Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 1

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	0.82
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A1
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 1, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

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30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 1, Scenario: STP_MRTP

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		M (Males)
3. Assumption Set		APP19A1

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000482	0.000158	0.000053	0.000053
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001446	0.000475	0.000158	0.000158
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001928	0.000634	0.000211	0.000211
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000792	0.000264	0.000264
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000792	0.000264	0.000264
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002892	0.000950	0.000317	0.000317
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003374	0.001109	0.000370	0.000370
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003856	0.001267	0.000422	0.000422
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000482	0.000106	0.000106	0.000053
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001446	0.000317	0.000317	0.000158
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001928	0.000422	0.000422	0.000211
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000528	0.000528	0.000264
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000528	0.000528	0.000264
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002892	0.000634	0.000634	0.000317
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003374	0.000739	0.000739	0.000370
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003856	0.000845	0.000845	0.000422

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 1, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current	2550.00	29.83	0.00	0.00			
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current	57.00	15.88	0.00	0.00			
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current	292.00	30.48	0.00	0.00			
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current	403.00	37.52	0.00	0.00			
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current	378.00	34.90	0.00	0.00			
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current	309.00	31.76	0.00	0.00			
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current	273.00	31.78	0.00	0.00			
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current	211.00	33.49	0.00	0.00			
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current	159.00	30.34	0.00	0.00			
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current	130.00	25.24	0.00	0.00			
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current	129.00	25.80	0.00	0.00			
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current	87.00	19.42	0.00	0.00			
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

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Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current	79.00	22.01	0.00	0.00			
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current	43.00	16.17	0.00	0.00			
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3879.00	42.27					
5	All Ages	Current	2696.00	29.38	162.00	6.01			
5	All Ages	Former	2602.00	28.35			15.34	172.00	6.61

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	277.00	81.71					
5	18-19	Current	60.00	17.70	0.00	0.00			
5	18-19	Former	2.00	0.59			2.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	618.00	67.54					
5	20-24	Current	265.00	28.96	1.00	0.38			
5	20-24	Former	32.00	3.50			2.66	12.00	37.50

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	526.00	54.91					
5	25-29	Current	320.00	33.40	7.00	2.19			
5	25-29	Former	112.00	11.69			5.14	16.00	14.29

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	493.00	45.90					
5	30-34	Current	378.00	35.20	11.00	2.91			
5	30-34	Former	203.00	18.90			6.32	24.00	11.82

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	469.00	43.31					
5	35-39	Current	360.00	33.24	13.00	3.61			
5	35-39	Former	254.00	23.45			7.70	24.00	9.45

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current	297.00	30.52	23.00	7.74			
5	40-44	Former	270.00	27.75			11.91	16.00	5.93

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current	237.00	27.59	11.00	4.64			
5	45-49	Former	314.00	36.55			13.35	17.00	5.41

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current	198.00	31.43	10.00	5.05			
5	50-54	Former	240.00	38.10			17.47	10.00	4.17

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current	152.00	29.01	13.00	8.55			
5	55-59	Former	217.00	41.41			16.76	10.00	4.61

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current	131.00	25.44	19.00	14.50			
5	60-64	Former	243.00	47.18			18.42	12.00	4.94

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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5	65-69	Never Any	120.00	24.00					
5	65-69	Current	133.00	26.60	24.00	18.05			
5	65-69	Former	247.00	49.40			22.23	13.00	5.26

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current	88.00	19.64	17.00	19.32			
5	70-74	Former	254.00	56.70			22.55	7.00	2.76

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current	77.00	21.45	13.00	16.88			
5	75-79	Former	214.00	59.61			23.75	10.00	4.67

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4089.00	43.62					
10	All Ages	Current	2668.00	28.46	258.00	9.67			
10	All Ages	Former	2618.00	27.93			16.84	168.00	6.42

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	633.00	70.65					
10	20-24	Current	243.00	27.12	1.00	0.41			
10	20-24	Former	20.00	2.23			2.10	8.00	40.00

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	567.00	61.97					
10	25-29	Current	279.00	30.49	5.00	1.79			
10	25-29	Former	69.00	7.54			4.45	13.00	18.84

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	503.00	52.51					
10	30-34	Current	309.00	32.25	12.00	3.88			
10	30-34	Former	146.00	15.24			8.01	13.00	8.90

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	489.00	45.53					
10	35-39	Current	343.00	31.94	17.00	4.96			
10	35-39	Former	242.00	22.53			9.39	19.00	7.85

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	469.00	43.31					
10	40-44	Current	329.00	30.38	21.00	6.38			
10	40-44	Former	285.00	26.32			11.08	15.00	5.26

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current	275.00	28.26	36.00	13.09			
10	45-49	Former	292.00	30.01			14.68	20.00	6.85

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	308.00	35.86					
10	50-54	Current	225.00	26.19	29.00	12.89			
10	50-54	Former	326.00	37.95			16.58	18.00	5.52

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current	192.00	30.48	20.00	10.42			
10	55-59	Former	246.00	39.05			20.96	8.00	3.25

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current	134.00	25.57	23.00	17.16			
10	60-64	Former	235.00	44.85			19.06	10.00	4.26

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current	120.00	23.30	27.00	22.50			
10	65-69	Former	254.00	49.32			21.03	11.00	4.33

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current	126.00	25.20	35.00	27.78			
10	70-74	Former	254.00	50.80			24.36	18.00	7.09

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current	93.00	20.76	32.00	34.41			
10	75-79	Former	249.00	55.58			25.24	15.00	6.02

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3876.00	43.42					
15	All Ages	Current	2515.00	28.17	333.00	13.24			
15	All Ages	Former	2536.00	28.41			18.25	149.00	5.88

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	563.00	62.83					
15	25-29	Current	281.00	31.36	4.00	1.42			
15	25-29	Former	52.00	5.80			3.56	18.00	34.62

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	536.00	58.58					
15	30-34	Current	289.00	31.58	6.00	2.08			
15	30-34	Former	90.00	9.84			7.51	8.00	8.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	497.00	51.88					
15	35-39	Current	282.00	29.44	19.00	6.74			
15	35-39	Former	179.00	18.68			10.47	19.00	10.61

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	489.00	45.53					
15	40-44	Current	318.00	29.61	24.00	7.55			
15	40-44	Former	267.00	24.86			12.85	16.00	5.99

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	469.00	43.31					
15	45-49	Current	313.00	28.90	35.00	11.18			
15	45-49	Former	301.00	27.79			14.58	13.00	4.32

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current	252.00	25.90	43.00	17.06			
15	50-54	Former	315.00	32.37			17.34	19.00	6.03

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current	227.00	26.43	45.00	19.82			
15	55-59	Former	324.00	37.72			19.98	13.00	4.01

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	192.00	30.48					
15	60-64	Current	176.00	27.94	29.00	16.48			
15	60-64	Former	262.00	41.59			23.06	16.00	6.11
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current	124.00	23.66	33.00	26.61			
15	65-69	Former	245.00	46.76			21.73	10.00	4.08
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current	125.00	24.27	44.00	35.20			
15	70-74	Former	249.00	48.35			23.98	4.00	1.61
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current	128.00	25.60	51.00	39.84			
15	75-79	Former	252.00	50.40			25.65	13.00	5.16
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3708.00	44.00					
20	All Ages	Current	2295.00	27.23	394.00	17.17			
20	All Ages	Former	2424.00	28.76			19.63	118.00	4.87
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	527.00	58.82					
20	30-34	Current	291.00	32.48	5.00	1.72			
20	30-34	Former	78.00	8.71			6.28	11.00	14.10
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	524.00	57.27					
20	35-39	Current	274.00	29.95	10.00	3.65			
20	35-39	Former	117.00	12.79			9.86	10.00	8.55
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	497.00	51.88					
20	40-44	Current	266.00	27.77	25.00	9.40			
20	40-44	Former	195.00	20.35			14.13	8.00	4.10
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	489.00	45.53					
20	45-49	Current	302.00	28.12	36.00	11.92			
20	45-49	Former	283.00	26.35			16.29	5.00	1.77
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	469.00	43.31					
20	50-54	Current	298.00	27.52	48.00	16.11			
20	50-54	Former	316.00	29.18			17.87	16.00	5.06
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current	242.00	24.87	64.00	26.45			
20	55-59	Former	325.00	33.40			20.06	15.00	4.62

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current	217.00	25.26	63.00	29.03			
20	60-64	Former	334.00	38.88			22.04	14.00	4.19

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current	162.00	25.71	40.00	24.69			
20	65-69	Former	276.00	43.81			24.22	18.00	6.52

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current	121.00	23.09	45.00	37.19			
20	70-74	Former	248.00	47.33			23.56	14.00	5.65

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current	122.00	23.69	58.00	47.54			
20	75-79	Former	252.00	48.93			25.90	7.00	2.78

****

Main Output for the Smoking History Summarized over Simulations for Run: 1, Scenario: MRTP

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current CC	2550.00	29.83	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current CC	57.00	15.88	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current CC	292.00	30.48	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current CC	403.00	37.52	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current CC	378.00	34.90	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current CC	309.00	31.76	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current CC	273.00	31.78	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current CC	211.00	33.49	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current CC	159.00	30.34	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current CC	130.00	25.24	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current CC	129.00	25.80	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current CC	87.00	19.42	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current CC	79.00	22.01	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current CC	43.00	16.17	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3901.00	42.51					
5	All Ages	Current CC	2473.00	26.95	158.00	5.85			
5	All Ages	Current MRTP	145.00	1.58					
5	All Ages	Current Dual	81.00	0.88					
5	All Ages	Former	2577.00	28.08			15.49	151.00	5.86

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	279.00	82.30					
5	18-19	Current CC	41.00	12.09	0.00	0.00			
5	18-19	Current MRTP	7.00	2.06					
5	18-19	Current Dual	10.00	2.95					
5	18-19	Former	2.00	0.59			1.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	619.00	67.65					
5	20-24	Current CC	238.00	26.01	1.00	0.38			
5	20-24	Current MRTP	14.00	1.53					
5	20-24	Current Dual	12.00	1.31					
5	20-24	Former	32.00	3.50			3.00	8.00	25.00
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	535.00	55.85					
5	25-29	Current CC	278.00	29.02	4.00	1.30			
5	25-29	Current MRTP	22.00	2.30					
5	25-29	Current Dual	8.00	0.84					
5	25-29	Former	115.00	12.00			4.83	23.00	20.00
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	494.00	46.00					
5	30-34	Current CC	353.00	32.87	9.00	2.37			
5	30-34	Current MRTP	16.00	1.49					
5	30-34	Current Dual	10.00	0.93					
5	30-34	Former	201.00	18.72			6.41	24.00	11.94
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	478.00	44.14					
5	35-39	Current CC	337.00	31.12	15.00	4.25			
5	35-39	Current MRTP	13.00	1.20					
5	35-39	Current Dual	3.00	0.28					
5	35-39	Former	252.00	23.27			7.76	21.00	8.33
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current CC	284.00	29.19	16.00	5.35			
5	40-44	Current MRTP	10.00	1.03					
5	40-44	Current Dual	5.00	0.51					
5	40-44	Former	268.00	27.54			12.28	10.00	3.73
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current CC	237.00	27.59	12.00	4.71			
5	45-49	Current MRTP	13.00	1.51					
5	45-49	Current Dual	5.00	0.58					
5	45-49	Former	296.00	34.46			13.84	9.00	3.04
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current CC	195.00	30.95	13.00	6.28			
5	50-54	Current MRTP	9.00	1.43					
5	50-54	Current Dual	3.00	0.48					
5	50-54	Former	231.00	36.67			17.54	7.00	3.03
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current CC	140.00	26.72	14.00	9.33			
5	55-59	Current MRTP	7.00	1.34					
5	55-59	Current Dual	3.00	0.57					
5	55-59	Former	219.00	41.79			16.80	14.00	6.39
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current CC	114.00	22.14	18.00	13.74			
5	60-64	Current MRTP	10.00	1.94					
5	60-64	Current Dual	7.00	1.36					
5	60-64	Former	243.00	47.18			19.06	6.00	2.47
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	120.00	24.00					
5	65-69	Current CC	114.00	22.80	13.00	10.66			
5	65-69	Current MRTP	6.00	1.20					
5	65-69	Current Dual	2.00	0.40					
5	65-69	Former	258.00	51.60			21.93	11.00	4.26
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current CC	73.00	16.29	25.00	27.47			
5	70-74	Current MRTP	12.00	2.68					
5	70-74	Current Dual	6.00	1.34					
5	70-74	Former	251.00	56.03			22.48	8.00	3.19

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current CC	69.00	19.22	18.00	21.95			
5	75-79	Current MRTP	6.00	1.67					
5	75-79	Current Dual	7.00	1.95					
5	75-79	Former	209.00	58.22			23.78	9.00	4.31

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4073.00	43.45					
10	All Ages	Current CC	2285.00	24.37	265.00	9.63			
10	All Ages	Current MRTP	292.00	3.11					
10	All Ages	Current Dual	174.00	1.86					
10	All Ages	Former	2551.00	27.21			17.31	158.00	6.19

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	627.00	69.98					
10	20-24	Current CC	169.00	18.86	0.00	0.00			
10	20-24	Current MRTP	36.00	4.02					
10	20-24	Current Dual	43.00	4.80					
10	20-24	Former	21.00	2.34			2.00	9.00	42.86

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	553.00	60.44					
10	25-29	Current CC	240.00	26.23	5.00	1.66			
10	25-29	Current MRTP	27.00	2.95					
10	25-29	Current Dual	35.00	3.83					
10	25-29	Former	60.00	6.56			4.87	17.00	28.33

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	499.00	52.09					
10	30-34	Current CC	248.00	25.89	11.00	3.46			
10	30-34	Current MRTP	45.00	4.70					
10	30-34	Current Dual	25.00	2.61					
10	30-34	Former	141.00	14.72			7.92	13.00	9.22

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	488.00	45.44					
10	35-39	Current CC	320.00	29.80	21.00	5.77			
10	35-39	Current MRTP	30.00	2.79					
10	35-39	Current Dual	14.00	1.30					
10	35-39	Former	222.00	20.67			10.01	14.00	6.31

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	478.00	44.14					
10	40-44	Current CC	289.00	26.69	29.00	9.01			
10	40-44	Current MRTP	25.00	2.31					
10	40-44	Current Dual	8.00	0.74					
10	40-44	Former	283.00	26.13			10.91	22.00	7.77

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current CC	258.00	26.52	24.00	8.45			
10	45-49	Current MRTP	19.00	1.95					
10	45-49	Current Dual	7.00	0.72					
10	45-49	Former	283.00	29.09			15.84	13.00	4.59

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

10	50-54	Never Any	308.00	35.86					
10	50-54	Current CC	211.00	24.56	33.00	13.31			
10	50-54	Current MRTP	25.00	2.91					
10	50-54	Current Dual	12.00	1.40					
10	50-54	Former	303.00	35.27			17.26	7.00	2.31
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current CC	164.00	26.03	28.00	14.51			
10	55-59	Current MRTP	23.00	3.65					
10	55-59	Current Dual	6.00	0.95					
10	55-59	Former	245.00	38.89			20.34	7.00	2.86
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current CC	124.00	23.66	21.00	15.00			
10	60-64	Current MRTP	11.00	2.10					
10	60-64	Current Dual	5.00	0.95					
10	60-64	Former	229.00	43.70			19.64	11.00	4.80
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current CC	99.00	19.22	27.00	21.77			
10	65-69	Current MRTP	17.00	3.30					
10	65-69	Current Dual	8.00	1.55					
10	65-69	Former	250.00	48.54			21.82	15.00	6.00
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current CC	103.00	20.60	31.00	25.62			
10	70-74	Current MRTP	15.00	3.00					
10	70-74	Current Dual	3.00	0.60					
10	70-74	Former	259.00	51.80			24.40	17.00	6.56
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current CC	60.00	13.39	35.00	40.23			
10	75-79	Current MRTP	19.00	4.24					
10	75-79	Current Dual	8.00	1.79					
10	75-79	Former	255.00	56.92			25.18	13.00	5.10
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3868.00	43.33					
15	All Ages	Current CC	2014.00	22.56	332.00	12.81			
15	All Ages	Current MRTP	377.00	4.22					
15	All Ages	Current Dual	201.00	2.25					
15	All Ages	Former	2467.00	27.64			18.78	134.00	5.43
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	565.00	63.06					
15	25-29	Current CC	175.00	19.53	2.00	0.70			
15	25-29	Current MRTP	58.00	6.47					
15	25-29	Current Dual	52.00	5.80					
15	25-29	Former	46.00	5.13			4.22	10.00	21.74
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	525.00	57.38					

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

15	30-34	Current CC	221.00	24.15	12.00	3.96			
15	30-34	Current MRTP	41.00	4.48					
15	30-34	Current Dual	41.00	4.48					
15	30-34	Former	87.00	9.51			6.71	16.00	18.39
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	490.00	51.15					
15	35-39	Current CC	227.00	23.70	22.00	7.19			
15	35-39	Current MRTP	50.00	5.22					
15	35-39	Current Dual	29.00	3.03					
15	35-39	Former	162.00	16.91			10.75	14.00	8.64
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	488.00	45.44					
15	40-44	Current CC	278.00	25.88	27.00	8.18			
15	40-44	Current MRTP	36.00	3.35					
15	40-44	Current Dual	16.00	1.49					
15	40-44	Former	256.00	23.84			12.69	15.00	5.86
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	478.00	44.14					
15	45-49	Current CC	262.00	24.19	44.00	14.15			
15	45-49	Current MRTP	37.00	3.42					
15	45-49	Current Dual	12.00	1.11					
15	45-49	Former	294.00	27.15			14.73	10.00	3.40
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current CC	218.00	22.40	32.00	12.40			
15	50-54	Current MRTP	29.00	2.98					
15	50-54	Current Dual	11.00	1.13					
15	50-54	Former	309.00	31.76			18.44	12.00	3.88
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current CC	185.00	21.54	41.00	17.75			
15	55-59	Current MRTP	37.00	4.31					
15	55-59	Current Dual	9.00	1.05					
15	55-59	Former	320.00	37.25			20.18	18.00	5.63
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	192.00	30.48					
15	60-64	Current CC	151.00	23.97	38.00	20.21			
15	60-64	Current MRTP	28.00	4.44					
15	60-64	Current Dual	9.00	1.43					
15	60-64	Former	250.00	39.68			22.89	12.00	4.80
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current CC	116.00	22.14	30.00	22.22			
15	65-69	Current MRTP	13.00	2.48					
15	65-69	Current Dual	6.00	1.15					
15	65-69	Former	234.00	44.66			22.43	8.00	3.42
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current CC	89.00	17.28	40.00	32.00			
15	70-74	Current MRTP	25.00	4.85					
15	70-74	Current Dual	11.00	2.14					
15	70-74	Former	249.00	48.35			25.08	8.00	3.21
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current CC	92.00	18.40	44.00	36.67			
15	75-79	Current MRTP	23.00	4.60					
15	75-79	Current Dual	5.00	1.00					
15	75-79	Former	260.00	52.00			26.34	11.00	4.23
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3720.00	44.14					
20	All Ages	Current CC	1679.00	19.92	380.00	16.33			

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

20	All Ages	Current MRTP	432.00	5.13					
20	All Ages	Current Dual	216.00	2.56					
20	All Ages	Former	2380.00	28.24			19.64	144.00	6.05
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	547.00	61.05					
20	30-34	Current CC	163.00	18.19	6.00	2.22			
20	30-34	Current MRTP	59.00	6.58					
20	30-34	Current Dual	48.00	5.36					
20	30-34	Former	79.00	8.82			6.13	15.00	18.99
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	515.00	56.28					
20	35-39	Current CC	192.00	20.98	14.00	4.90			
20	35-39	Current MRTP	53.00	5.79					
20	35-39	Current Dual	41.00	4.48					
20	35-39	Former	114.00	12.46			8.73	15.00	13.16
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	490.00	51.15					
20	40-44	Current CC	203.00	21.19	26.00	9.00			
20	40-44	Current MRTP	56.00	5.85					
20	40-44	Current Dual	30.00	3.13					
20	40-44	Former	179.00	18.68			13.68	9.00	5.03
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	488.00	45.44					
20	45-49	Current CC	254.00	23.65	38.00	12.18			
20	45-49	Current MRTP	39.00	3.63					
20	45-49	Current Dual	19.00	1.77					
20	45-49	Former	274.00	25.51			15.70	16.00	5.84
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	478.00	44.14					
20	50-54	Current CC	224.00	20.68	54.00	18.82			
20	50-54	Current MRTP	49.00	4.52					
20	50-54	Current Dual	14.00	1.29					
20	50-54	Former	318.00	29.36			17.48	12.00	3.77
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current CC	189.00	19.42	42.00	17.43			
20	55-59	Current MRTP	34.00	3.49					
20	55-59	Current Dual	18.00	1.85					
20	55-59	Former	326.00	33.50			20.90	14.00	4.29
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current CC	164.00	19.09	47.00	21.86			
20	60-64	Current MRTP	46.00	5.36					

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	5.00	0.58					
20	60-64	Former	336.00	39.12			22.31	17.00	5.06

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current CC	121.00	19.21	49.00	28.65			
20	65-69	Current MRTP	37.00	5.87					
20	65-69	Current Dual	13.00	2.06					
20	65-69	Former	267.00	42.38			23.57	19.00	7.12

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current CC	100.00	19.08	49.00	36.03			
20	70-74	Current MRTP	24.00	4.58					
20	70-74	Current Dual	12.00	2.29					
20	70-74	Former	233.00	44.47			24.90	13.00	5.58

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current CC	69.00	13.40	55.00	45.83			
20	75-79	Current MRTP	35.00	6.80					
20	75-79	Current Dual	16.00	3.11					
20	75-79	Former	254.00	49.32			25.77	14.00	5.51

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Main Results for E-Component Summarized over Simulations for Run: 1

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	317161	125829.961	125829.961	0.000	0.000	0.000	4990.74	1980.02	1980.02	0.000
1991	313217	124132.583	124116.862	15.721	0.005	0.013	4845.61	1920.39	1920.14	0.243
1992	308577	122143.718	122048.969	94.749	0.031	0.078	4692.62	1857.47	1856.03	1.441
1993	311713	123269.216	123019.950	249.266	0.080	0.202	4656.77	1841.55	1837.83	3.724
1994	305700	120480.723	120103.307	377.416	0.123	0.313	4482.57	1766.64	1761.11	5.534
1995	303225	118666.569	118088.836	577.733	0.191	0.487	4361.58	1706.89	1698.58	8.310
1996	299559	116607.195	115865.938	741.256	0.247	0.636	4242.85	1651.58	1641.09	10.499
1997	294226	114665.051	113789.916	875.135	0.297	0.763	4100.64	1598.09	1585.89	12.197
1998	289258	113038.380	111963.410	1074.970	0.372	0.951	3966.28	1549.97	1535.23	14.740
1999	311002	117067.463	115610.443	1457.020	0.468	1.245	4198.14	1580.27	1560.60	19.668
2000	303786	114977.407	113350.905	1626.503	0.535	1.415	4041.13	1529.49	1507.86	21.637
2001	296294	113047.319	111279.099	1768.220	0.597	1.564	3890.54	1484.39	1461.17	23.218
2002	291898	111744.742	109777.478	1967.263	0.674	1.760	3789.34	1450.64	1425.10	25.538
2003	285865	110551.854	108385.286	2166.568	0.758	1.960	3671.31	1419.80	1391.97	27.825
2004	274177	107418.262	105248.445	2169.817	0.791	2.020	3481.92	1364.16	1336.61	27.556
2005	272379	107678.770	105414.049	2264.720	0.831	2.103	3417.44	1351.01	1322.59	28.415
2006	264118	104357.806	102116.458	2241.348	0.849	2.148	3281.83	1296.71	1268.86	27.850
2007	258419	102690.449	100366.583	2323.867	0.899	2.263	3176.05	1262.10	1233.54	28.561
2008	259461	103492.166	100839.925	2652.241	1.022	2.563	3150.91	1256.82	1224.61	32.209
2009	253907	101384.044	98541.902	2842.142	1.119	2.803	3045.20	1215.94	1181.85	34.087

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	5813942	2273243.679	2245757.724	27485.96	0.473	1.209	3927.78	1535.76	1517.19	18.569

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Main Results for E-Component Summarized over Simulations for Run: 1

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	78822	63444.407	63444.407	0.000	0.000	0.000	1240.32	998.340	998.340	0.000
1991	78462	63068.786	63062.717	6.069	0.008	0.010	1213.84	975.702	975.608	0.094
1992	77987	62535.347	62514.039	21.308	0.027	0.034	1185.97	950.993	950.669	0.324
1993	78542	62883.111	62834.309	48.802	0.062	0.078	1173.36	939.428	938.699	0.729
1994	77437	61805.804	61729.842	75.962	0.098	0.123	1135.48	906.276	905.163	1.114
1995	76904	61145.799	61026.776	119.023	0.155	0.195	1106.18	879.519	877.807	1.712
1996	76232	60385.323	60235.806	149.516	0.196	0.248	1079.72	855.277	853.159	2.118
1997	75473	59549.806	59386.431	163.375	0.216	0.274	1051.87	829.947	827.670	2.277
1998	75381	59292.315	59057.043	235.272	0.312	0.397	1033.62	813.010	809.784	3.226
1999	73159	57398.351	57103.853	294.498	0.403	0.513	987.557	774.807	770.832	3.975
2000	73784	57716.549	57351.103	365.446	0.495	0.633	981.515	767.777	762.915	4.861
2001	73294	57211.877	56796.879	414.999	0.566	0.725	962.399	751.230	745.781	5.449
2002	72442	56438.810	55972.457	466.353	0.644	0.826	940.422	732.673	726.619	6.054
2003	71942	55948.341	55454.705	493.636	0.686	0.882	923.937	718.533	712.194	6.340
2004	71301	55339.218	54831.415	507.803	0.712	0.918	905.490	702.783	696.334	6.449
2005	70964	54964.459	54455.976	508.484	0.717	0.925	890.360	689.620	683.240	6.380
2006	69658	53781.526	53295.223	486.304	0.698	0.904	865.543	668.268	662.226	6.043
2007	68565	52784.985	52290.844	494.141	0.721	0.936	842.687	648.745	642.672	6.073
2008	68226	52470.692	51885.659	585.033	0.857	1.115	828.542	637.208	630.103	7.105
2009	67509	51823.021	51192.124	630.897	0.935	1.217	809.661	621.533	613.967	7.567

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	1476084	1159988.529	1153921.607	6066.922	0.411	0.523	997.213	783.665	779.566	4.099

****

Main Results for E-Component Summarized over Simulations for Run: 1

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	171484	38382.899	38382.899	0.000	0.000	0.000	2698.42	603.981	603.981	0.000
1991	168044	37067.384	37059.063	8.321	0.005	0.022	2599.72	573.449	573.320	0.129
1992	164548	35863.851	35804.031	59.821	0.036	0.167	2502.33	545.392	544.482	0.910
1993	164362	35459.800	35303.024	156.776	0.095	0.442	2455.45	529.744	527.402	2.342
1994	159866	34293.631	34067.910	225.721	0.141	0.658	2344.16	502.857	499.548	3.310
1995	158083	33531.695	33197.913	333.781	0.211	0.995	2273.86	482.318	477.517	4.801
1996	154875	32438.163	32012.573	425.590	0.275	1.312	2193.60	459.443	453.415	6.028
1997	149970	31179.663	30670.036	509.626	0.340	1.634	2090.14	434.552	427.449	7.103
1998	145407	29860.736	29286.441	574.295	0.395	1.923	1993.81	409.447	401.573	7.875
1999	165952	34413.904	33609.372	804.533	0.485	2.338	2240.15	464.545	453.685	10.860
2000	160260	33265.290	32418.003	847.288	0.529	2.547	2131.87	442.513	431.242	11.271
2001	154444	32074.102	31176.275	897.826	0.581	2.799	2027.95	421.154	409.365	11.789
2002	151887	31817.956	30828.354	989.603	0.652	3.110	1971.76	413.052	400.205	12.847
2003	146733	31025.931	29900.621	1125.310	0.767	3.627	1884.46	398.460	384.008	14.452
2004	138381	29503.602	28369.352	1134.250	0.820	3.844	1757.38	374.682	360.278	14.404
2005	135881	29077.894	27877.613	1200.281	0.883	4.128	1704.85	364.830	349.771	15.059
2006	131922	28385.448	27143.634	1241.814	0.941	4.375	1639.21	352.707	337.276	15.430
2007	126502	27327.625	26025.614	1302.012	1.029	4.764	1554.75	335.866	319.863	16.002
2008	125859	27025.472	25602.516	1422.956	1.131	5.265	1528.44	328.199	310.919	17.280
2009	122428	26361.626	24826.850	1534.775	1.254	5.822	1468.33	316.165	297.758	18.407

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	2996888	638356.673	623562.093	14794.58	0.494	2.318	2024.64	431.261	421.266	9.995

****

Main Results for E-Component Summarized over Simulations for Run: 1

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 1 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	32862	4587.597	4587.597	0.000	0.000	0.000	517.106	72.189	72.189	0.000
1991	32619	4487.983	4488.755	-0.773	-0.002	-0.017	504.630	69.431	69.443	-0.012
1992	32100	4371.196	4365.113	6.083	0.019	0.139	488.154	66.474	66.382	0.093
1993	32896	4414.136	4389.804	24.332	0.074	0.551	491.442	65.944	65.580	0.364
1994	33323	4474.895	4435.056	39.839	0.120	0.890	488.625	65.617	65.033	0.584
1995	33569	4476.290	4412.393	63.897	0.190	1.427	482.855	64.387	63.468	0.919
1996	33870	4489.078	4398.517	90.561	0.267	2.017	479.723	63.582	62.299	1.283
1997	33516	4444.866	4326.694	118.173	0.353	2.659	467.113	61.948	60.301	1.647
1998	32795	4313.427	4193.574	119.853	0.365	2.779	449.682	59.145	57.502	1.643
1999	33375	4232.739	4093.432	139.307	0.417	3.291	450.521	57.137	55.256	1.880
2000	33459	4307.577	4166.683	140.894	0.421	3.271	445.090	57.302	55.427	1.874
2001	32275	4136.308	4000.481	135.827	0.421	3.284	423.792	54.312	52.529	1.784
2002	31586	4079.175	3940.205	138.970	0.440	3.407	410.041	52.955	51.151	1.804
2003	30985	4096.221	3922.148	174.073	0.562	4.250	397.934	52.607	50.371	2.236
2004	29884	4034.217	3861.782	172.435	0.577	4.274	379.513	51.233	49.043	2.190
2005	28708	3944.303	3769.709	174.594	0.608	4.426	360.189	49.488	47.297	2.191
2006	28188	3970.169	3779.130	191.039	0.678	4.812	350.253	49.332	46.958	2.374
2007	28026	3957.558	3746.326	211.232	0.754	5.337	344.449	48.640	46.044	2.596
2008	27128	3812.302	3601.561	210.741	0.777	5.528	329.444	46.297	43.738	2.559
2009	27068	3827.467	3585.940	241.527	0.892	6.310	324.637	45.904	43.008	2.897

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	628232	84457.504	82064.899	2392.604	0.381	2.833	424.421	57.058	55.441	1.616

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Main Results for E-Component Summarized over Simulations for Run: 1

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33993	19415.059	19415.059	0.000	0.000	0.000	534.903	305.509	305.509	0.000
1991	34092	19508.431	19506.327	2.104	0.006	0.011	527.418	301.804	301.772	0.033
1992	33942	19373.324	19365.787	7.537	0.022	0.039	516.166	294.616	294.501	0.115
1993	35913	20512.169	20492.814	19.355	0.054	0.094	536.514	306.437	306.148	0.289
1994	35074	19906.392	19870.499	35.893	0.102	0.180	514.300	291.893	291.367	0.526
1995	34669	19512.784	19451.753	61.031	0.176	0.313	498.677	280.671	279.793	0.878
1996	34582	19294.631	19219.042	75.589	0.219	0.392	489.808	273.283	272.212	1.071
1997	35267	19490.717	19406.755	83.961	0.238	0.431	491.517	271.643	270.472	1.170
1998	35675	19571.902	19426.353	145.549	0.408	0.744	489.172	268.368	266.372	1.996
1999	38516	21022.469	20803.787	218.682	0.568	1.040	519.919	283.777	280.826	2.952
2000	36283	19687.992	19415.116	272.875	0.752	1.386	482.656	261.900	258.270	3.630
2001	36281	19625.032	19305.464	319.568	0.881	1.628	476.394	257.690	253.494	4.196
2002	35983	19408.801	19036.463	372.338	1.035	1.918	467.122	251.960	247.126	4.834
2003	36205	19481.360	19107.811	373.549	1.032	1.917	464.974	250.195	245.398	4.797
2004	34611	18541.224	18185.895	355.330	1.027	1.916	439.544	235.465	230.953	4.513
2005	36826	19692.114	19310.752	381.362	1.036	1.937	462.043	247.070	242.285	4.785
2006	34350	18220.663	17898.471	322.192	0.938	1.768	426.820	226.403	222.399	4.003
2007	35326	18620.282	18303.799	316.482	0.896	1.700	434.168	228.849	224.960	3.890
2008	38248	20183.701	19750.190	433.511	1.133	2.148	464.487	245.112	239.848	5.265
2009	36902	19371.930	18936.988	434.942	1.179	2.245	442.580	232.335	227.119	5.216

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	712738	390440.974	386209.124	4231.849	0.594	1.084	481.512	263.774	260.915	2.859

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 2

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	0.82
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A1
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

****

STP values for Run: 2, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	GUESSNULL1

		Initiation	Switch from Current	Re-initiation
Age	Period	Never	Current	Former
		Current	Former	Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

****

STP values for Run: 2, Scenario: STP_MRTP

Variable	**Parameter**	**Value**
1. Country		US (United States)
2. Sex		F (Females)
3. Assumption Set		APP19A1

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000482	0.000158	0.000053	0.000053
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001446	0.000475	0.000158	0.000158
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001928	0.000634	0.000211	0.000211
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000634	0.000211	0.000211
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000792	0.000264	0.000264
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000792	0.000264	0.000264
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002892	0.000950	0.000317	0.000317
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003374	0.001109	0.000370	0.000370
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003856	0.001267	0.000422	0.000422
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000482	0.000106	0.000106	0.000053
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001446	0.000317	0.000317	0.000158
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001928	0.000422	0.000422	0.000211
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001928	0.000422	0.000422	0.000211
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000528	0.000528	0.000264
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002410	0.000528	0.000528	0.000264
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002892	0.000634	0.000634	0.000317
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003374	0.000739	0.000739	0.000370
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003856	0.000845	0.000845	0.000422

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 2, Scenario: NULL

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		F (Females)
3. Year of start of process		1990
4. Number of simulations		1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current	2058.00	23.75	0.00	0.00			
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current	53.00	16.51	0.00	0.00			
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current	211.00	25.39	0.00	0.00			
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current	290.00	29.03	0.00	0.00			
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current	342.00	30.48	0.00	0.00			
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current	241.00	24.85	0.00	0.00			
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current	206.00	25.40	0.00	0.00			
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current	166.00	26.73	0.00	0.00			
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current	145.00	27.10	0.00	0.00			
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current	110.00	22.54	0.00	0.00			
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current	113.00	21.08	0.00	0.00			
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current	81.00	15.03	0.00	0.00			
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current	55.00	11.32	0.00	0.00			
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current	45.00	11.11	0.00	0.00			
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4861.00	53.54					
5	All Ages	Current	2229.00	24.55	120.00	5.38			
5	All Ages	Former	1990.00	21.92			14.73	120.00	6.03

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	254.00	85.23					
5	18-19	Current	43.00	14.43	0.00	0.00			
5	18-19	Former	1.00	0.34			0.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	550.00	65.17					
5	20-24	Current	259.00	30.69	1.00	0.39			
5	20-24	Former	35.00	4.15			3.23	9.00	25.71

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	449.00	54.03					
5	25-29	Current	251.00	30.20	11.00	4.38			
5	25-29	Former	131.00	15.76			5.64	8.00	6.11

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	520.00	52.05					
5	30-34	Current	299.00	29.93	11.00	3.68			
5	30-34	Former	180.00	18.02			7.79	15.00	8.33

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	559.00	49.82					
5	35-39	Current	328.00	29.23	16.00	4.88			
5	35-39	Former	235.00	20.94			8.29	16.00	6.81

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current	230.00	23.71	19.00	8.26			
5	40-44	Former	243.00	25.05			11.45	17.00	7.00

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current	194.00	23.92	8.00	4.12			
5	45-49	Former	195.00	24.04			11.56	10.00	5.13

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current	154.00	24.80	9.00	5.84			
5	50-54	Former	166.00	26.73			15.46	8.00	4.82

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current	130.00	24.30	5.00	3.85			
5	55-59	Former	153.00	28.60			15.16	7.00	4.58

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current	101.00	20.70	4.00	3.96			
5	60-64	Former	137.00	28.07			20.60	7.00	5.11

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	260.00	48.51					
5	65-69	Current	108.00	20.15	13.00	12.04			
5	65-69	Former	168.00	31.34			21.20	8.00	4.76

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current	76.00	14.10	9.00	11.84			
5	70-74	Former	183.00	33.95			24.28	10.00	5.46

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current	56.00	11.52	14.00	25.00			
5	75-79	Former	163.00	33.54			26.72	4.00	2.45

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4862.00	53.38					
10	All Ages	Current	2212.00	24.28	200.00	9.04			
10	All Ages	Former	2035.00	22.34			15.88	142.00	6.98

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	606.00	74.54					
10	20-24	Current	184.00	22.63	0.00	0.00			
10	20-24	Former	23.00	2.83			1.96	12.00	52.17

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	498.00	59.00					
10	25-29	Current	279.00	33.06	6.00	2.15			
10	25-29	Former	67.00	7.94			4.97	15.00	22.39

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	422.00	50.78					
10	30-34	Current	262.00	31.53	25.00	9.54			
10	30-34	Former	147.00	17.69			8.78	15.00	10.20

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	515.00	51.55					
10	35-39	Current	271.00	27.13	14.00	5.17			
10	35-39	Former	213.00	21.32			10.85	15.00	7.04

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	559.00	49.82					
10	40-44	Current	296.00	26.38	24.00	8.11			
10	40-44	Former	267.00	23.80			11.52	17.00	6.37

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current	208.00	21.44	28.00	13.46			
10	45-49	Former	265.00	27.32			14.52	14.00	5.28

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	422.00	52.03					
10	50-54	Current	183.00	22.56	20.00	10.93			
10	50-54	Former	206.00	25.40			14.78	14.00	6.80

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current	145.00	23.35	15.00	10.34			
10	55-59	Former	175.00	28.18			18.89	8.00	4.57

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current	127.00	23.74	15.00	11.81			
10	60-64	Former	156.00	29.16			18.51	4.00	2.56

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current	92.00	18.85	13.00	14.13			
10	65-69	Former	146.00	29.92			22.28	8.00	5.48

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current	91.00	16.98	16.00	17.58			
10	70-74	Former	185.00	34.51			22.55	9.00	4.86

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current	74.00	13.73	24.00	32.43			
10	75-79	Former	185.00	34.32			25.64	11.00	5.95

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4491.00	52.40					
15	All Ages	Current	2076.00	24.22	277.00	13.34			
15	All Ages	Former	2003.00	23.37			17.29	123.00	6.14

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	549.00	67.53					
15	25-29	Current	223.00	27.43	1.00	0.45			
15	25-29	Former	41.00	5.04			4.46	11.00	26.83

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	473.00	56.04					
15	30-34	Current	277.00	32.82	12.00	4.33			
15	30-34	Former	94.00	11.14			7.35	14.00	14.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	413.00	49.70					
15	35-39	Current	241.00	29.00	28.00	11.62			
15	35-39	Former	177.00	21.30			11.16	13.00	7.34

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	515.00	51.55					
15	40-44	Current	260.00	26.03	32.00	12.31			
15	40-44	Former	224.00	22.42			14.11	14.00	6.25

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	559.00	49.82					
15	45-49	Current	276.00	24.60	38.00	13.77			
15	45-49	Former	287.00	25.58			14.89	12.00	4.18

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current	199.00	20.52	37.00	18.59			
15	50-54	Former	274.00	28.25			17.97	9.00	3.28

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current	168.00	20.72	28.00	16.67			
15	55-59	Former	221.00	27.25			17.53	12.00	5.43

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	301.00	48.47					
15	60-64	Current	133.00	21.42	22.00	16.54			
15	60-64	Former	187.00	30.11			21.34	9.00	4.81

Year of Follow-up: 2005, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current	122.00	22.80	22.00	18.03			
15	65-69	Former	161.00	30.09			21.48	8.00	4.97

Year of Follow-up: 2005, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current	91.00	18.65	29.00	31.87			
15	70-74	Former	147.00	30.12			24.10	9.00	6.12

Year of Follow-up: 2005, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current	86.00	16.04	28.00	32.56			
15	75-79	Former	190.00	35.45			24.03	12.00	6.32

Year of Follow-up: 2010, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4198.00	52.25					
20	All Ages	Current	1870.00	23.28	298.00	15.94			
20	All Ages	Former	1966.00	24.47			18.93	102.00	5.19

Year of Follow-up: 2010, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	525.00	64.58					
20	30-34	Current	222.00	27.31	4.00	1.80			
20	30-34	Former	66.00	8.12			6.38	13.00	19.70

Year of Follow-up: 2010, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	464.00	54.98					
20	35-39	Current	268.00	31.75	14.00	5.22			
20	35-39	Former	112.00	13.27			10.45	11.00	9.82

Year of Follow-up: 2010, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	413.00	49.70					
20	40-44	Current	222.00	26.71	28.00	12.61			
20	40-44	Former	196.00	23.59			14.27	10.00	5.10

Year of Follow-up: 2010, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	515.00	51.55					
20	45-49	Current	240.00	24.02	38.00	15.83			
20	45-49	Former	244.00	24.42			16.90	12.00	4.92

Year of Follow-up: 2010, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	559.00	49.82					
20	50-54	Current	261.00	23.26	50.00	19.16			
20	50-54	Former	302.00	26.92			17.95	9.00	2.98

Year of Follow-up: 2010, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current	180.00	18.56	40.00	22.22			
20	55-59	Former	293.00	30.21			20.76	11.00	3.75

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current	160.00	19.73	39.00	24.38			
20	60-64	Former	229.00	28.24			20.08	10.00	4.37

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current	124.00	19.97	28.00	22.58			
20	65-69	Former	196.00	31.56			23.72	7.00	3.57

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current	115.00	21.50	30.00	26.09			
20	70-74	Former	168.00	31.40			23.68	8.00	4.76

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current	78.00	15.98	27.00	34.62			
20	75-79	Former	160.00	32.79			24.91	11.00	6.88

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Main Output for the Smoking History Summarized over Simulations for Run: 2, Scenario: MRTP

Variable	Parameter	Value
1.	Country	US (United States)
2.	Sex	F (Females)
3.	Year of start of process	1990
4.	Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current CC	2058.00	23.75	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current CC	53.00	16.51	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current CC	211.00	25.39	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current CC	290.00	29.03	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current CC	342.00	30.48	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current CC	241.00	24.85	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current CC	206.00	25.40	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current CC	166.00	26.73	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current CC	145.00	27.10	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current CC	110.00	22.54	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current CC	113.00	21.08	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current CC	81.00	15.03	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current CC	55.00	11.32	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current CC	45.00	11.11	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4886.00	53.81					
5	All Ages	Current CC	2035.00	22.41	135.00	6.05			
5	All Ages	Current MRTP	112.00	1.23					
5	All Ages	Current Dual	83.00	0.91					
5	All Ages	Former	1964.00	21.63			14.74	109.00	5.55

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	253.00	84.90					
5	18-19	Current CC	31.00	10.40	0.00	0.00			
5	18-19	Current MRTP	5.00	1.68					
5	18-19	Current Dual	8.00	2.68					
5	18-19	Former	1.00	0.34			1.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	558.00	66.11					
5	20-24	Current CC	225.00	26.66	3.00	1.15			
5	20-24	Current MRTP	20.00	2.37					
5	20-24	Current Dual	15.00	1.78					
5	20-24	Former	26.00	3.08			3.00	9.00	34.62
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	463.00	55.72					
5	25-29	Current CC	205.00	24.67	10.00	4.33			
5	25-29	Current MRTP	16.00	1.93					
5	25-29	Current Dual	10.00	1.20					
5	25-29	Former	137.00	16.49			5.39	13.00	9.49
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	522.00	52.25					
5	30-34	Current CC	280.00	28.03	14.00	4.71			
5	30-34	Current MRTP	9.00	0.90					
5	30-34	Current Dual	8.00	0.80					
5	30-34	Former	180.00	18.02			7.87	10.00	5.56
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	561.00	50.00					
5	35-39	Current CC	303.00	27.01	8.00	2.47			
5	35-39	Current MRTP	15.00	1.34					
5	35-39	Current Dual	6.00	0.53					
5	35-39	Former	237.00	21.12			8.48	16.00	6.75
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current CC	214.00	22.06	12.00	5.36			
5	40-44	Current MRTP	7.00	0.72					
5	40-44	Current Dual	3.00	0.31					
5	40-44	Former	249.00	25.67			11.64	13.00	5.22
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current CC	172.00	21.21	9.00	4.86			
5	45-49	Current MRTP	7.00	0.86					
5	45-49	Current Dual	6.00	0.74					
5	45-49	Former	204.00	25.15			11.20	14.00	6.86
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current CC	148.00	23.83	12.00	7.64			
5	50-54	Current MRTP	4.00	0.64					
5	50-54	Current Dual	5.00	0.81					
5	50-54	Former	163.00	26.25			15.20	11.00	6.75
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current CC	121.00	22.62	8.00	6.15			
5	55-59	Current MRTP	6.00	1.12					
5	55-59	Current Dual	3.00	0.56					
5	55-59	Former	153.00	28.60			15.24	4.00	2.61
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current CC	102.00	20.90	8.00	7.27			
5	60-64	Current MRTP	6.00	1.23					
5	60-64	Current Dual	2.00	0.41					
5	60-64	Former	128.00	26.23			21.75	3.00	2.34
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	260.00	48.51					
5	65-69	Current CC	107.00	19.96	20.00	16.67			
5	65-69	Current MRTP	4.00	0.75					
5	65-69	Current Dual	9.00	1.68					
5	65-69	Former	156.00	29.10			21.32	6.00	3.85
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current CC	77.00	14.29	16.00	18.39			
5	70-74	Current MRTP	6.00	1.11					
5	70-74	Current Dual	4.00	0.74					
5	70-74	Former	172.00	31.91			24.70	6.00	3.49

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current CC	50.00	10.29	15.00	24.59			
5	75-79	Current MRTP	7.00	1.44					
5	75-79	Current Dual	4.00	0.82					
5	75-79	Former	158.00	32.51			27.59	3.00	1.90

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4898.00	53.77					
10	All Ages	Current CC	1875.00	20.58	217.00	9.67			
10	All Ages	Current MRTP	231.00	2.54					
10	All Ages	Current Dual	138.00	1.51					
10	All Ages	Former	1967.00	21.59			16.20	106.00	5.39

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	601.00	73.92					
10	20-24	Current CC	137.00	16.85	0.00	0.00			
10	20-24	Current MRTP	28.00	3.44					
10	20-24	Current Dual	28.00	3.44					
10	20-24	Former	19.00	2.34			2.53	6.00	31.58

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	523.00	61.97					
10	25-29	Current CC	212.00	25.12	6.00	2.21			
10	25-29	Current MRTP	34.00	4.03					
10	25-29	Current Dual	26.00	3.08					
10	25-29	Former	49.00	5.81			4.90	12.00	24.49

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	441.00	53.07					
10	30-34	Current CC	187.00	22.50	15.00	6.49			
10	30-34	Current MRTP	28.00	3.37					
10	30-34	Current Dual	16.00	1.93					
10	30-34	Former	159.00	19.13			8.88	11.00	6.92

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	510.00	51.05					
10	35-39	Current CC	254.00	25.43	28.00	9.46			
10	35-39	Current MRTP	26.00	2.60					
10	35-39	Current Dual	16.00	1.60					
10	35-39	Former	193.00	19.32			11.24	8.00	4.15

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	561.00	50.00					
10	40-44	Current CC	264.00	23.53	21.00	7.19			
10	40-44	Current MRTP	22.00	1.96					
10	40-44	Current Dual	6.00	0.53					
10	40-44	Former	269.00	23.98			11.41	16.00	5.95

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current CC	184.00	18.97	23.00	10.95			
10	45-49	Current MRTP	19.00	1.96					
10	45-49	Current Dual	7.00	0.72					
10	45-49	Former	263.00	27.11			15.28	8.00	3.04

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	422.00	52.03					
10	50-54	Current CC	156.00	19.24	21.00	11.86			
10	50-54	Current MRTP	14.00	1.73					
10	50-54	Current Dual	7.00	0.86					
10	50-54	Former	212.00	26.14			14.77	8.00	3.77
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current CC	131.00	21.10	19.00	12.67			
10	55-59	Current MRTP	11.00	1.77					
10	55-59	Current Dual	8.00	1.29					
10	55-59	Former	170.00	27.38			18.51	5.00	2.94
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current CC	107.00	20.00	15.00	12.10			
10	60-64	Current MRTP	12.00	2.24					
10	60-64	Current Dual	5.00	0.93					
10	60-64	Former	159.00	29.72			18.51	5.00	3.14
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current CC	91.00	18.65	12.00	11.88			
10	65-69	Current MRTP	6.00	1.23					
10	65-69	Current Dual	4.00	0.82					
10	65-69	Former	137.00	28.07			23.78	5.00	3.65
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current CC	85.00	15.86	23.00	21.50			
10	70-74	Current MRTP	13.00	2.43					
10	70-74	Current Dual	9.00	1.68					
10	70-74	Former	169.00	31.53			23.15	10.00	5.92
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current CC	67.00	12.43	34.00	37.36			
10	75-79	Current MRTP	18.00	3.34					
10	75-79	Current Dual	6.00	1.11					
10	75-79	Former	168.00	31.17			26.93	12.00	7.14
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4523.00	52.78					
15	All Ages	Current CC	1587.00	18.52	269.00	13.06			
15	All Ages	Current MRTP	298.00	3.48					
15	All Ages	Current Dual	175.00	2.04					
15	All Ages	Former	1987.00	23.19			17.25	135.00	6.79
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	546.00	67.16					
15	25-29	Current CC	144.00	17.71	2.00	0.87			
15	25-29	Current MRTP	46.00	5.66					
15	25-29	Current Dual	39.00	4.80					
15	25-29	Former	38.00	4.67			4.05	14.00	36.84
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	490.00	58.06					

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

15	30-34	Current CC	191.00	22.63	9.00	3.26			
15	30-34	Current MRTP	53.00	6.28					
15	30-34	Current Dual	32.00	3.79					
15	30-34	Former	78.00	9.24			6.28	17.00	21.79
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	434.00	52.23					
15	35-39	Current CC	160.00	19.25	25.00	11.85			
15	35-39	Current MRTP	34.00	4.09					
15	35-39	Current Dual	17.00	2.05					
15	35-39	Former	186.00	22.38			11.61	12.00	6.45
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	510.00	51.05					
15	40-44	Current CC	222.00	22.22	38.00	13.67			
15	40-44	Current MRTP	31.00	3.10					
15	40-44	Current Dual	25.00	2.50					
15	40-44	Former	211.00	21.12			14.22	10.00	4.74
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	561.00	50.00					
15	45-49	Current CC	230.00	20.50	29.00	10.55			
15	45-49	Current MRTP	34.00	3.03					
15	45-49	Current Dual	11.00	0.98					
15	45-49	Former	286.00	25.49			14.81	14.00	4.90
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current CC	158.00	16.29	34.00	17.53			
15	50-54	Current MRTP	23.00	2.37					
15	50-54	Current Dual	13.00	1.34					
15	50-54	Former	279.00	28.76			18.08	13.00	4.66
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current CC	137.00	16.89	29.00	17.68			
15	55-59	Current MRTP	16.00	1.97					
15	55-59	Current Dual	11.00	1.36					
15	55-59	Former	225.00	27.74			17.64	13.00	5.78
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	301.00	48.47					
15	60-64	Current CC	104.00	16.75	21.00	16.28			
15	60-64	Current MRTP	19.00	3.06					
15	60-64	Current Dual	6.00	0.97					
15	60-64	Former	191.00	30.76			20.13	9.00	4.71
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current CC	98.00	18.32	28.00	23.93			
15	65-69	Current MRTP	13.00	2.43					
15	65-69	Current Dual	6.00	1.12					
15	65-69	Former	166.00	31.03			21.20	9.00	5.42
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current CC	71.00	14.55	20.00	22.73			
15	70-74	Current MRTP	12.00	2.46					
15	70-74	Current Dual	5.00	1.02					
15	70-74	Former	150.00	30.74			23.61	12.00	8.00
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current CC	72.00	13.43	34.00	34.34			
15	75-79	Current MRTP	17.00	3.17					
15	75-79	Current Dual	10.00	1.87					
15	75-79	Former	177.00	33.02			24.41	12.00	6.78
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4226.00	52.60					
20	All Ages	Current CC	1340.00	16.68	294.00	16.09			

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20	All Ages	Current MRTP	309.00	3.85					
20	All Ages	Current Dual	178.00	2.22					
20	All Ages	Former	1981.00	24.66			18.69	125.00	6.31
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	521.00	64.08					
20	30-34	Current CC	140.00	17.22	4.00	1.75			
20	30-34	Current MRTP	50.00	6.15					
20	30-34	Current Dual	39.00	4.80					
20	30-34	Former	63.00	7.75			5.73	13.00	20.63
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	478.00	56.64					
20	35-39	Current CC	164.00	19.43	12.00	4.67			
20	35-39	Current MRTP	59.00	6.99					
20	35-39	Current Dual	34.00	4.03					
20	35-39	Former	109.00	12.91			8.14	17.00	15.60
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	434.00	52.23					
20	40-44	Current CC	140.00	16.85	31.00	16.06			
20	40-44	Current MRTP	35.00	4.21					
20	40-44	Current Dual	18.00	2.17					
20	40-44	Former	204.00	24.55			14.82	6.00	2.94
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	510.00	51.05					
20	45-49	Current CC	203.00	20.32	42.00	16.22			
20	45-49	Current MRTP	31.00	3.10					
20	45-49	Current Dual	25.00	2.50					
20	45-49	Former	230.00	23.02			16.95	9.00	3.91
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	561.00	50.00					
20	50-54	Current CC	203.00	18.09	38.00	15.02			
20	50-54	Current MRTP	38.00	3.39					
20	50-54	Current Dual	12.00	1.07					
20	50-54	Former	308.00	27.45			17.63	16.00	5.19
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current CC	134.00	13.81	40.00	22.99			
20	55-59	Current MRTP	27.00	2.78					
20	55-59	Current Dual	13.00	1.34					
20	55-59	Former	299.00	30.82			20.28	15.00	5.02
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current CC	116.00	14.30	40.00	25.97			
20	60-64	Current MRTP	22.00	2.71					

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	16.00	1.97					
20	60-64	Former	235.00	28.98			20.39	12.00	5.11

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current CC	92.00	14.81	28.00	23.14			
20	65-69	Current MRTP	22.00	3.54					
20	65-69	Current Dual	7.00	1.13					
20	65-69	Former	199.00	32.05			23.06	9.00	4.52

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current CC	86.00	16.07	34.00	31.19			
20	70-74	Current MRTP	12.00	2.24					
20	70-74	Current Dual	11.00	2.06					
20	70-74	Former	174.00	32.52			23.79	12.00	6.90

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current CC	62.00	12.70	25.00	32.05			
20	75-79	Current MRTP	13.00	2.66					
20	75-79	Current Dual	3.00	0.61					
20	75-79	Former	160.00	32.79			23.94	16.00	10.00

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Main Results for E-Component Summarized over Simulations for Run: 2

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	199848	57300.589	57300.589	0.000	0.000	0.000	2876.55	824.768	824.768	0.000
1991	199162	59127.861	59136.786	-8.925	-0.004	-0.015	2826.86	839.248	839.374	-0.127
1992	198532	60226.142	60252.280	-26.137	-0.013	-0.043	2778.64	842.922	843.288	-0.366
1993	202512	62332.320	62351.951	-19.631	-0.010	-0.031	2793.47	859.818	860.088	-0.271
1994	200658	62691.239	62724.018	-32.779	-0.016	-0.052	2725.82	851.622	852.068	-0.445
1995	201023	63132.954	63170.005	-37.050	-0.018	-0.059	2687.54	844.043	844.539	-0.495
1996	201180	64309.880	64435.188	-125.308	-0.062	-0.195	2653.67	848.280	849.933	-1.653
1997	198639	64547.894	64709.449	-161.555	-0.081	-0.250	2583.39	839.475	841.576	-2.101
1998	197573	65384.866	65457.345	-72.479	-0.037	-0.111	2533.29	838.367	839.296	-0.929
1999	211329	67554.762	67561.398	-6.636	-0.003	-0.010	2673.14	854.513	854.597	-0.084
2000	208496	68184.366	68132.924	51.442	0.025	0.075	2604.20	851.652	851.009	0.643
2001	203606	68286.060	68093.278	192.782	0.095	0.282	2514.65	843.372	840.991	2.381
2002	200828	68983.996	68789.132	194.864	0.097	0.282	2455.47	843.450	841.068	2.383
2003	196352	68717.830	68318.299	399.531	0.203	0.581	2377.49	832.057	827.220	4.838
2004	188160	67344.952	66662.836	682.116	0.363	1.013	2254.66	806.974	798.800	8.174
2005	186416	67846.650	67021.283	825.367	0.443	1.217	2208.07	803.634	793.857	9.776
2006	180088	66622.465	65396.697	1225.768	0.681	1.840	2113.55	781.893	767.508	14.386
2007	175644	65977.201	64469.343	1507.858	0.858	2.285	2039.92	766.256	748.744	17.512
2008	177570	67121.344	65434.174	1687.170	0.950	2.514	2039.03	770.751	751.377	19.374
2009	172806	66622.993	64596.696	2026.297	1.173	3.041	1961.22	756.123	733.126	22.997

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	3900422	1302316.365	1294013.670	8302.694	0.213	0.638	2465.77	823.300	818.051	5.249

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Main Results for E-Component Summarized over Simulations for Run: 2

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	42690	30645.370	30645.370	0.000	0.000	0.000	614.467	441.100	441.100	0.000
1991	43692	31530.019	31529.710	0.309	0.001	0.001	620.154	447.530	447.526	0.004
1992	45423	32811.446	32817.396	-5.950	-0.013	-0.018	635.738	459.227	459.311	-0.083
1993	46291	33467.735	33474.907	-7.171	-0.015	-0.021	638.542	461.657	461.756	-0.099
1994	47017	33989.389	34004.966	-15.578	-0.033	-0.046	638.697	461.725	461.937	-0.212
1995	47840	34566.580	34586.282	-19.702	-0.041	-0.057	639.587	462.131	462.394	-0.263
1996	48244	34997.958	35054.270	-56.312	-0.117	-0.161	636.363	461.641	462.384	-0.743
1997	49035	35549.658	35618.983	-69.326	-0.141	-0.195	637.723	462.340	463.241	-0.902
1998	49686	36138.033	36187.034	-49.001	-0.099	-0.136	637.076	463.363	463.991	-0.628
1999	48883	35506.142	35548.031	-41.889	-0.086	-0.118	618.331	449.124	449.654	-0.530
2000	50331	36573.306	36597.899	-24.592	-0.049	-0.067	628.656	456.816	457.123	-0.307
2001	50389	36733.445	36718.174	15.271	0.030	0.042	622.333	453.679	453.491	0.189
2002	51445	37627.700	37608.756	18.944	0.037	0.050	629.005	460.065	459.833	0.232
2003	51408	37552.784	37466.787	85.997	0.167	0.229	622.464	454.701	453.660	1.041
2004	51399	37527.823	37356.600	171.223	0.333	0.456	615.898	449.684	447.632	2.052
2005	51421	37486.186	37284.287	201.899	0.393	0.539	609.074	444.018	441.627	2.391
2006	51355	37409.496	37064.386	345.110	0.672	0.923	602.712	439.045	434.994	4.050
2007	51839	37602.867	37161.568	441.299	0.851	1.174	602.056	436.718	431.593	5.125
2008	50976	36986.957	36508.178	478.778	0.939	1.294	585.355	424.719	419.222	5.498
2009	51193	37201.944	36587.638	614.306	1.200	1.651	581.003	422.215	415.243	6.972

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	980557	711904.839	709821.221	2083.618	0.212	0.293	619.890	450.053	448.736	1.317

****

Main Results for E-Component Summarized over Simulations for Run: 2

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	98916	12646.761	12646.761	0.000	0.000	0.000	1423.77	182.034	182.034	0.000
1991	96403	12662.980	12671.594	-8.614	-0.009	-0.068	1368.32	179.735	179.858	-0.122
1992	93721	12337.995	12349.902	-11.907	-0.013	-0.097	1311.71	172.682	172.849	-0.167
1993	93679	12401.934	12405.084	-3.150	-0.003	-0.025	1292.22	171.073	171.117	-0.043
1994	90832	12128.576	12126.724	1.852	0.002	0.015	1233.90	164.759	164.734	0.025
1995	89698	11958.696	11956.402	2.294	0.003	0.019	1199.20	159.879	159.849	0.031
1996	88286	12020.749	12027.314	-6.565	-0.007	-0.055	1164.54	158.560	158.646	-0.087
1997	84777	11593.724	11604.449	-10.726	-0.013	-0.093	1102.56	150.782	150.921	-0.139
1998	82517	11337.035	11305.046	31.989	0.039	0.282	1058.04	145.364	144.954	0.410
1999	93939	13027.458	12938.450	89.008	0.095	0.683	1188.25	164.787	163.661	1.126
2000	90039	12607.547	12508.284	99.263	0.110	0.787	1124.63	157.474	156.234	1.240
2001	86119	12350.451	12184.106	166.345	0.193	1.347	1063.62	152.535	150.481	2.054
2002	83014	12112.097	11934.368	177.729	0.214	1.467	1014.99	148.092	145.919	2.173
2003	79302	11683.252	11445.476	237.777	0.300	2.035	960.214	141.465	138.585	2.879
2004	73861	11139.095	10795.451	343.644	0.465	3.085	885.053	133.476	129.359	4.118
2005	71649	10884.683	10486.426	398.257	0.556	3.659	848.672	128.927	124.210	4.717
2006	67551	10397.565	9885.691	511.873	0.758	4.923	792.791	122.028	116.020	6.007
2007	63503	9785.831	9179.649	606.183	0.955	6.194	737.521	113.652	106.612	7.040
2008	63171	9922.524	9252.076	670.448	1.061	6.757	725.389	113.940	106.241	7.699
2009	59747	9483.598	8743.015	740.582	1.240	7.809	678.085	107.632	99.227	8.405

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	1650724	232482.549	228446.268	4036.282	0.245	1.736	1043.56	146.971	144.419	2.552

****

Main Results for E-Component Summarized over Simulations for Run: 2

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 2 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33504	3193.244	3193.244	0.000	0.000	0.000	482.247	45.963	45.963	0.000
1991	32505	3116.016	3118.440	-2.424	-0.007	-0.078	461.369	44.228	44.262	-0.034
1992	32560	3095.448	3100.652	-5.204	-0.016	-0.168	455.708	43.324	43.397	-0.073
1993	32768	3114.516	3116.789	-2.273	-0.007	-0.073	452.005	42.962	42.993	-0.031
1994	33005	3168.398	3170.759	-2.360	-0.007	-0.074	448.353	43.041	43.073	-0.032
1995	33730	3200.274	3202.560	-2.286	-0.007	-0.071	450.946	42.785	42.816	-0.031
1996	33750	3234.738	3235.514	-0.775	-0.002	-0.024	445.180	42.668	42.678	-0.010
1997	33699	3240.665	3249.673	-9.008	-0.027	-0.278	438.271	42.146	42.263	-0.117
1998	33274	3171.578	3165.787	5.791	0.017	0.183	426.640	40.666	40.592	0.074
1999	33891	3153.786	3130.858	22.928	0.068	0.727	428.694	39.893	39.603	0.290
2000	33827	3237.043	3202.157	34.886	0.103	1.078	422.514	40.432	39.996	0.436
2001	32506	3110.972	3059.070	51.902	0.160	1.668	401.468	38.422	37.781	0.641
2002	32078	3123.298	3061.089	62.209	0.194	1.992	392.210	38.188	37.427	0.761
2003	30568	3025.984	2945.411	80.572	0.264	2.663	370.127	36.640	35.664	0.976
2004	29388	2983.453	2864.681	118.772	0.404	3.981	352.147	35.750	34.327	1.423
2005	27954	2926.679	2784.960	141.719	0.507	4.842	331.111	34.666	32.987	1.679
2006	27201	2889.308	2713.052	176.256	0.648	6.100	319.236	33.909	31.841	2.069
2007	26302	2810.025	2599.932	210.093	0.799	7.477	305.470	32.636	30.195	2.440
2008	25998	2773.025	2550.694	222.331	0.855	8.018	298.534	31.843	29.289	2.553
2009	25040	2723.293	2473.825	249.469	0.996	9.161	284.186	30.907	28.076	2.831

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	623548	61291.743	59939.145	1352.598	0.217	2.207	394.195	38.747	37.892	0.855

****

Main Results for E-Component Summarized over Simulations for Run: 2

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	24738	10815.214	10815.214	0.000	0.000	0.000	356.071	155.671	155.671	0.000
1991	26562	11818.847	11817.042	1.805	0.007	0.015	377.015	167.754	167.728	0.026
1992	26828	11981.252	11984.329	-3.077	-0.011	-0.026	375.483	167.689	167.732	-0.043
1993	29774	13348.134	13355.170	-7.036	-0.024	-0.053	410.705	184.125	184.222	-0.097
1994	29804	13404.876	13421.569	-16.693	-0.056	-0.125	404.869	182.097	182.324	-0.227
1995	29755	13407.404	13424.761	-17.356	-0.058	-0.129	397.803	179.248	179.480	-0.232
1996	30900	14056.435	14118.091	-61.656	-0.200	-0.439	407.587	185.412	186.225	-0.813
1997	31128	14163.848	14236.344	-72.496	-0.233	-0.512	404.834	184.207	185.150	-0.943
1998	32096	14738.220	14799.479	-61.258	-0.191	-0.416	411.536	188.974	189.759	-0.785
1999	34616	15867.376	15944.059	-76.683	-0.222	-0.483	437.865	200.710	201.680	-0.970
2000	34299	15766.470	15824.584	-58.115	-0.169	-0.369	428.409	196.930	197.656	-0.726
2001	34592	16091.193	16131.928	-40.735	-0.118	-0.253	427.231	198.736	199.239	-0.503
2002	34291	16120.902	16184.920	-64.018	-0.187	-0.397	419.268	197.106	197.889	-0.783
2003	35074	16455.810	16460.625	-4.815	-0.014	-0.029	424.687	199.252	199.311	-0.058
2004	33512	15694.580	15646.104	48.476	0.145	0.309	401.564	188.063	187.482	0.581
2005	35392	16549.102	16465.610	83.492	0.236	0.505	419.213	196.022	195.033	0.989
2006	33981	15926.096	15733.569	192.528	0.567	1.209	398.807	186.912	184.652	2.260
2007	34000	15778.477	15528.194	250.283	0.736	1.586	394.875	183.251	180.344	2.907
2008	37425	17438.838	17123.226	315.612	0.843	1.810	429.749	200.249	196.625	3.624
2009	36826	17214.158	16792.218	421.940	1.146	2.451	417.948	195.368	190.580	4.789

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	645593	296637.233	295807.036	830.197	0.129	0.280	408.132	187.528	187.004	0.525

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 3

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.04
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A2
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

****

STP values for Run: 3, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

****

STP values for Run: 3, Scenario: STP_MRTP

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		M (Males)
3. Assumption Set		APP19A2

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000464	0.000173	0.000058	0.000058
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001392	0.000518	0.000173	0.000173
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001856	0.000691	0.000230	0.000230
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000864	0.000288	0.000288
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000864	0.000288	0.000288
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002784	0.001037	0.000346	0.000346
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003248	0.001210	0.000403	0.000403
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003712	0.001382	0.000461	0.000461
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000464	0.000115	0.000115	0.000058
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001392	0.000346	0.000346	0.000173
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001856	0.000461	0.000461	0.000230
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000576	0.000576	0.000288
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000576	0.000576	0.000288
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002784	0.000691	0.000691	0.000346
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003248	0.000806	0.000806	0.000403
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003712	0.000922	0.000922	0.000461

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 3, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current	2550.00	29.83	0.00	0.00			
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current	57.00	15.88	0.00	0.00			
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current	292.00	30.48	0.00	0.00			
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current	403.00	37.52	0.00	0.00			
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current	378.00	34.90	0.00	0.00			
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current	309.00	31.76	0.00	0.00			
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current	273.00	31.78	0.00	0.00			
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current	211.00	33.49	0.00	0.00			
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current	159.00	30.34	0.00	0.00			
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current	130.00	25.24	0.00	0.00			
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current	129.00	25.80	0.00	0.00			
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current	87.00	19.42	0.00	0.00			
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current	79.00	22.01	0.00	0.00			
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current	43.00	16.17	0.00	0.00			
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3879.00	42.27					
5	All Ages	Current	2696.00	29.38	162.00	6.01			
5	All Ages	Former	2602.00	28.35			15.34	172.00	6.61

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	277.00	81.71					
5	18-19	Current	60.00	17.70	0.00	0.00			
5	18-19	Former	2.00	0.59			2.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	618.00	67.54					
5	20-24	Current	265.00	28.96	1.00	0.38			
5	20-24	Former	32.00	3.50			2.66	12.00	37.50

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	526.00	54.91					
5	25-29	Current	320.00	33.40	7.00	2.19			
5	25-29	Former	112.00	11.69			5.14	16.00	14.29

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	493.00	45.90					
5	30-34	Current	378.00	35.20	11.00	2.91			
5	30-34	Former	203.00	18.90			6.32	24.00	11.82

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	469.00	43.31					
5	35-39	Current	360.00	33.24	13.00	3.61			
5	35-39	Former	254.00	23.45			7.70	24.00	9.45

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current	297.00	30.52	23.00	7.74			
5	40-44	Former	270.00	27.75			11.91	16.00	5.93

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current	237.00	27.59	11.00	4.64			
5	45-49	Former	314.00	36.55			13.35	17.00	5.41

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current	198.00	31.43	10.00	5.05			
5	50-54	Former	240.00	38.10			17.47	10.00	4.17

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current	152.00	29.01	13.00	8.55			
5	55-59	Former	217.00	41.41			16.76	10.00	4.61

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current	131.00	25.44	19.00	14.50			
5	60-64	Former	243.00	47.18			18.42	12.00	4.94

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	120.00	24.00					
5	65-69	Current	133.00	26.60	24.00	18.05			
5	65-69	Former	247.00	49.40			22.23	13.00	5.26

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current	88.00	19.64	17.00	19.32			
5	70-74	Former	254.00	56.70			22.55	7.00	2.76

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current	77.00	21.45	13.00	16.88			
5	75-79	Former	214.00	59.61			23.75	10.00	4.67

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4089.00	43.62					
10	All Ages	Current	2668.00	28.46	258.00	9.67			
10	All Ages	Former	2618.00	27.93			16.84	168.00	6.42

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	633.00	70.65					
10	20-24	Current	243.00	27.12	1.00	0.41			
10	20-24	Former	20.00	2.23			2.10	8.00	40.00

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	567.00	61.97					
10	25-29	Current	279.00	30.49	5.00	1.79			
10	25-29	Former	69.00	7.54			4.45	13.00	18.84

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	503.00	52.51					
10	30-34	Current	309.00	32.25	12.00	3.88			
10	30-34	Former	146.00	15.24			8.01	13.00	8.90

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	489.00	45.53					
10	35-39	Current	343.00	31.94	17.00	4.96			
10	35-39	Former	242.00	22.53			9.39	19.00	7.85

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	469.00	43.31					
10	40-44	Current	329.00	30.38	21.00	6.38			
10	40-44	Former	285.00	26.32			11.08	15.00	5.26

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current	275.00	28.26	36.00	13.09			
10	45-49	Former	292.00	30.01			14.68	20.00	6.85

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	308.00	35.86					
10	50-54	Current	225.00	26.19	29.00	12.89			
10	50-54	Former	326.00	37.95			16.58	18.00	5.52

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current	192.00	30.48	20.00	10.42			
10	55-59	Former	246.00	39.05			20.96	8.00	3.25

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current	134.00	25.57	23.00	17.16			
10	60-64	Former	235.00	44.85			19.06	10.00	4.26

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current	120.00	23.30	27.00	22.50			
10	65-69	Former	254.00	49.32			21.03	11.00	4.33

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current	126.00	25.20	35.00	27.78			
10	70-74	Former	254.00	50.80			24.36	18.00	7.09

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current	93.00	20.76	32.00	34.41			
10	75-79	Former	249.00	55.58			25.24	15.00	6.02

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3876.00	43.42					
15	All Ages	Current	2515.00	28.17	333.00	13.24			
15	All Ages	Former	2536.00	28.41			18.25	149.00	5.88

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	563.00	62.83					
15	25-29	Current	281.00	31.36	4.00	1.42			
15	25-29	Former	52.00	5.80			3.56	18.00	34.62

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	536.00	58.58					
15	30-34	Current	289.00	31.58	6.00	2.08			
15	30-34	Former	90.00	9.84			7.51	8.00	8.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	497.00	51.88					
15	35-39	Current	282.00	29.44	19.00	6.74			
15	35-39	Former	179.00	18.68			10.47	19.00	10.61

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	489.00	45.53					
15	40-44	Current	318.00	29.61	24.00	7.55			
15	40-44	Former	267.00	24.86			12.85	16.00	5.99

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	469.00	43.31					
15	45-49	Current	313.00	28.90	35.00	11.18			
15	45-49	Former	301.00	27.79			14.58	13.00	4.32

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current	252.00	25.90	43.00	17.06			
15	50-54	Former	315.00	32.37			17.34	19.00	6.03

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current	227.00	26.43	45.00	19.82			
15	55-59	Former	324.00	37.72			19.98	13.00	4.01

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	192.00	30.48					
15	60-64	Current	176.00	27.94	29.00	16.48			
15	60-64	Former	262.00	41.59			23.06	16.00	6.11
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current	124.00	23.66	33.00	26.61			
15	65-69	Former	245.00	46.76			21.73	10.00	4.08
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current	125.00	24.27	44.00	35.20			
15	70-74	Former	249.00	48.35			23.98	4.00	1.61
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current	128.00	25.60	51.00	39.84			
15	75-79	Former	252.00	50.40			25.65	13.00	5.16
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3708.00	44.00					
20	All Ages	Current	2295.00	27.23	394.00	17.17			
20	All Ages	Former	2424.00	28.76			19.63	118.00	4.87
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	527.00	58.82					
20	30-34	Current	291.00	32.48	5.00	1.72			
20	30-34	Former	78.00	8.71			6.28	11.00	14.10
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	524.00	57.27					
20	35-39	Current	274.00	29.95	10.00	3.65			
20	35-39	Former	117.00	12.79			9.86	10.00	8.55
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	497.00	51.88					
20	40-44	Current	266.00	27.77	25.00	9.40			
20	40-44	Former	195.00	20.35			14.13	8.00	4.10
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	489.00	45.53					
20	45-49	Current	302.00	28.12	36.00	11.92			
20	45-49	Former	283.00	26.35			16.29	5.00	1.77
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	469.00	43.31					
20	50-54	Current	298.00	27.52	48.00	16.11			
20	50-54	Former	316.00	29.18			17.87	16.00	5.06
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current	242.00	24.87	64.00	26.45			
20	55-59	Former	325.00	33.40			20.06	15.00	4.62

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current	217.00	25.26	63.00	29.03			
20	60-64	Former	334.00	38.88			22.04	14.00	4.19

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current	162.00	25.71	40.00	24.69			
20	65-69	Former	276.00	43.81			24.22	18.00	6.52

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current	121.00	23.09	45.00	37.19			
20	70-74	Former	248.00	47.33			23.56	14.00	5.65

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current	122.00	23.69	58.00	47.54			
20	75-79	Former	252.00	48.93			25.90	7.00	2.78

****

Main Output for the Smoking History Summarized over Simulations for Run: 3, Scenario: MRTP

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current CC	2550.00	29.83	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current CC	57.00	15.88	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current CC	292.00	30.48	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current CC	403.00	37.52	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current CC	378.00	34.90	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current CC	309.00	31.76	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current CC	273.00	31.78	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current CC	211.00	33.49	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current CC	159.00	30.34	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current CC	130.00	25.24	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current CC	129.00	25.80	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current CC	87.00	19.42	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current CC	79.00	22.01	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current CC	43.00	16.17	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3901.00	42.51					
5	All Ages	Current CC	2491.00	27.14	172.00	6.31			
5	All Ages	Current MRTP	157.00	1.71					
5	All Ages	Current Dual	79.00	0.86					
5	All Ages	Former	2549.00	27.78			15.55	143.00	5.61

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	279.00	82.30					
5	18-19	Current CC	41.00	12.09	0.00	0.00			
5	18-19	Current MRTP	7.00	2.06					
5	18-19	Current Dual	10.00	2.95					
5	18-19	Former	2.00	0.59			1.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	619.00	67.65					
5	20-24	Current CC	238.00	26.01	2.00	0.75			
5	20-24	Current MRTP	14.00	1.53					
5	20-24	Current Dual	13.00	1.42					
5	20-24	Former	31.00	3.39			2.94	8.00	25.81
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	535.00	55.85					
5	25-29	Current CC	279.00	29.12	4.00	1.29			
5	25-29	Current MRTP	23.00	2.40					
5	25-29	Current Dual	7.00	0.73					
5	25-29	Former	114.00	11.90			4.87	22.00	19.30
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	494.00	46.00					
5	30-34	Current CC	359.00	33.43	10.00	2.60			
5	30-34	Current MRTP	18.00	1.68					
5	30-34	Current Dual	8.00	0.74					
5	30-34	Former	195.00	18.16			6.53	21.00	10.77
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	478.00	44.14					
5	35-39	Current CC	339.00	31.30	15.00	4.23			
5	35-39	Current MRTP	14.00	1.29					
5	35-39	Current Dual	2.00	0.18					
5	35-39	Former	250.00	23.08			7.81	20.00	8.00
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current CC	286.00	29.39	17.00	5.63			
5	40-44	Current MRTP	11.00	1.13					
5	40-44	Current Dual	5.00	0.51					
5	40-44	Former	265.00	27.24			12.34	10.00	3.77
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current CC	237.00	27.59	14.00	5.45			
5	45-49	Current MRTP	15.00	1.75					
5	45-49	Current Dual	5.00	0.58					
5	45-49	Former	294.00	34.23			13.84	9.00	3.06
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current CC	196.00	31.11	14.00	6.70			
5	50-54	Current MRTP	10.00	1.59					
5	50-54	Current Dual	3.00	0.48					
5	50-54	Former	229.00	36.35			17.64	7.00	3.06
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current CC	140.00	26.72	15.00	9.93			
5	55-59	Current MRTP	8.00	1.53					
5	55-59	Current Dual	3.00	0.57					
5	55-59	Former	218.00	41.60			16.74	14.00	6.42
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current CC	114.00	22.14	19.00	14.39			
5	60-64	Current MRTP	11.00	2.14					
5	60-64	Current Dual	7.00	1.36					
5	60-64	Former	242.00	46.99			19.12	6.00	2.48
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	120.00	24.00					
5	65-69	Current CC	115.00	23.00	15.00	12.00			
5	65-69	Current MRTP	7.00	1.40					
5	65-69	Current Dual	3.00	0.60					
5	65-69	Former	255.00	51.00			22.04	10.00	3.92
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

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					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current CC	74.00	16.52	27.00	29.03			
5	70-74	Current MRTP	12.00	2.68					
5	70-74	Current Dual	7.00	1.56					
5	70-74	Former	249.00	55.58			22.36	9.00	3.61

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current CC	73.00	20.33	20.00	23.26			
5	75-79	Current MRTP	7.00	1.95					
5	75-79	Current Dual	6.00	1.67					
5	75-79	Former	205.00	57.10			24.06	6.00	2.93

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4073.00	43.45					
10	All Ages	Current CC	2316.00	24.70	293.00	10.46			
10	All Ages	Current MRTP	300.00	3.20					
10	All Ages	Current Dual	184.00	1.96					
10	All Ages	Former	2502.00	26.69			17.36	153.00	6.12

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	627.00	69.98					
10	20-24	Current CC	171.00	19.08	0.00	0.00			
10	20-24	Current MRTP	36.00	4.02					
10	20-24	Current Dual	43.00	4.80					
10	20-24	Former	19.00	2.12			2.11	8.00	42.11

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	553.00	60.44					
10	25-29	Current CC	242.00	26.45	6.00	1.97			
10	25-29	Current MRTP	28.00	3.06					
10	25-29	Current Dual	35.00	3.83					
10	25-29	Former	57.00	6.23			4.91	15.00	26.32

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	499.00	52.09					
10	30-34	Current CC	249.00	25.99	10.00	3.14			
10	30-34	Current MRTP	46.00	4.80					
10	30-34	Current Dual	23.00	2.40					
10	30-34	Former	141.00	14.72			7.94	12.00	8.51

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	488.00	45.44					
10	35-39	Current CC	326.00	30.35	26.00	6.95			
10	35-39	Current MRTP	31.00	2.89					
10	35-39	Current Dual	17.00	1.58					
10	35-39	Former	212.00	19.74			10.08	14.00	6.60

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	478.00	44.14					
10	40-44	Current CC	292.00	26.96	31.00	9.48			
10	40-44	Current MRTP	26.00	2.40					
10	40-44	Current Dual	9.00	0.83					
10	40-44	Former	278.00	25.67			10.95	22.00	7.91

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current CC	264.00	27.13	24.00	8.33			
10	45-49	Current MRTP	19.00	1.95					
10	45-49	Current Dual	5.00	0.51					
10	45-49	Former	279.00	28.67			15.93	12.00	4.30

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	308.00	35.86					
10	50-54	Current CC	213.00	24.80	38.00	14.96			
10	50-54	Current MRTP	29.00	3.38					
10	50-54	Current Dual	12.00	1.40					
10	50-54	Former	297.00	34.58			17.27	7.00	2.36
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current CC	165.00	26.19	31.00	15.74			
10	55-59	Current MRTP	25.00	3.97					
10	55-59	Current Dual	7.00	1.11					
10	55-59	Former	241.00	38.25			20.33	7.00	2.90
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current CC	125.00	23.85	23.00	16.20			
10	60-64	Current MRTP	11.00	2.10					
10	60-64	Current Dual	6.00	1.15					
10	60-64	Former	227.00	43.32			19.61	10.00	4.41
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current CC	99.00	19.22	29.00	23.02			
10	65-69	Current MRTP	17.00	3.30					
10	65-69	Current Dual	10.00	1.94					
10	65-69	Former	248.00	48.16			21.80	15.00	6.05
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current CC	106.00	21.20	34.00	27.20			
10	70-74	Current MRTP	14.00	2.80					
10	70-74	Current Dual	5.00	1.00					
10	70-74	Former	255.00	51.00			24.31	18.00	7.06
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current CC	64.00	14.29	41.00	43.62			
10	75-79	Current MRTP	18.00	4.02					
10	75-79	Current Dual	12.00	2.68					
10	75-79	Former	248.00	55.36			25.38	13.00	5.24
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3868.00	43.33					
15	All Ages	Current CC	2043.00	22.89	355.00	13.46			
15	All Ages	Current MRTP	387.00	4.34					
15	All Ages	Current Dual	208.00	2.33					
15	All Ages	Former	2421.00	27.12			18.75	138.00	5.70
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	565.00	63.06					
15	25-29	Current CC	178.00	19.87	2.00	0.69			
15	25-29	Current MRTP	58.00	6.47					
15	25-29	Current Dual	52.00	5.80					
15	25-29	Former	43.00	4.80			4.14	10.00	23.26
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	525.00	57.38					

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15	30-34	Current CC	224.00	24.48	12.00	3.92			
15	30-34	Current MRTP	43.00	4.70					
15	30-34	Current Dual	39.00	4.26					
15	30-34	Former	84.00	9.18			6.76	16.00	19.05
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	490.00	51.15					
15	35-39	Current CC	228.00	23.80	21.00	6.86			
15	35-39	Current MRTP	51.00	5.32					
15	35-39	Current Dual	27.00	2.82					
15	35-39	Former	162.00	16.91			10.77	14.00	8.64
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	488.00	45.44					
15	40-44	Current CC	287.00	26.72	32.00	9.36			
15	40-44	Current MRTP	37.00	3.45					
15	40-44	Current Dual	18.00	1.68					
15	40-44	Former	244.00	22.72			12.67	16.00	6.56
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	478.00	44.14					
15	45-49	Current CC	263.00	24.28	48.00	15.09			
15	45-49	Current MRTP	40.00	3.69					
15	45-49	Current Dual	15.00	1.39					
15	45-49	Former	287.00	26.50			14.73	10.00	3.48
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current CC	222.00	22.82	31.00	11.97			
15	50-54	Current MRTP	27.00	2.77					
15	50-54	Current Dual	10.00	1.03					
15	50-54	Former	308.00	31.65			18.34	13.00	4.22
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current CC	186.00	21.65	46.00	19.41			
15	55-59	Current MRTP	40.00	4.66					
15	55-59	Current Dual	11.00	1.28					
15	55-59	Former	314.00	36.55			20.13	18.00	5.73
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	192.00	30.48					
15	60-64	Current CC	152.00	24.13	43.00	22.16			
15	60-64	Current MRTP	28.00	4.44					
15	60-64	Current Dual	14.00	2.22					
15	60-64	Former	244.00	38.73			22.76	13.00	5.33
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current CC	116.00	22.14	32.00	23.36			
15	65-69	Current MRTP	16.00	3.05					
15	65-69	Current Dual	5.00	0.95					
15	65-69	Former	232.00	44.27			22.38	8.00	3.45
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current CC	92.00	17.86	44.00	33.85			
15	70-74	Current MRTP	24.00	4.66					
15	70-74	Current Dual	14.00	2.72					
15	70-74	Former	244.00	47.38			25.04	8.00	3.28
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current CC	95.00	19.00	44.00	36.36			
15	75-79	Current MRTP	23.00	4.60					
15	75-79	Current Dual	3.00	0.60					
15	75-79	Former	259.00	51.80			26.07	12.00	4.63
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3720.00	44.14					
20	All Ages	Current CC	1713.00	20.33	412.00	17.25			

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20	All Ages	Current MRTP	447.00	5.30					
20	All Ages	Current Dual	229.00	2.72					
20	All Ages	Former	2318.00	27.51			19.54	150.00	6.47

Year of Follow-up: 2010, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	547.00	61.05					
20	30-34	Current CC	167.00	18.64	7.00	2.55			
20	30-34	Current MRTP	59.00	6.58					
20	30-34	Current Dual	49.00	5.47					
20	30-34	Former	74.00	8.26			5.95	15.00	20.27

Year of Follow-up: 2010, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	515.00	56.28					
20	35-39	Current CC	195.00	21.31	15.00	5.17			
20	35-39	Current MRTP	54.00	5.90					
20	35-39	Current Dual	41.00	4.48					
20	35-39	Former	110.00	12.02			8.65	16.00	14.55

Year of Follow-up: 2010, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	490.00	51.15					
20	40-44	Current CC	205.00	21.40	25.00	8.62			
20	40-44	Current MRTP	58.00	6.05					
20	40-44	Current Dual	27.00	2.82					
20	40-44	Former	178.00	18.58			13.76	8.00	4.49

Year of Follow-up: 2010, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	488.00	45.44					
20	45-49	Current CC	261.00	24.30	38.00	11.88			
20	45-49	Current MRTP	41.00	3.82					
20	45-49	Current Dual	18.00	1.68					
20	45-49	Former	266.00	24.77			15.35	19.00	7.14

Year of Follow-up: 2010, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	478.00	44.14					
20	50-54	Current CC	225.00	20.78	59.00	20.00			
20	50-54	Current MRTP	52.00	4.80					
20	50-54	Current Dual	18.00	1.66					
20	50-54	Former	310.00	28.62			17.10	14.00	4.52

Year of Follow-up: 2010, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current CC	193.00	19.84	46.00	18.55			
20	55-59	Current MRTP	36.00	3.70					
20	55-59	Current Dual	19.00	1.95					
20	55-59	Former	319.00	32.79			20.93	14.00	4.39

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current CC	168.00	19.56	54.00	24.11			
20	60-64	Current MRTP	47.00	5.47					

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	9.00	1.05					
20	60-64	Former	327.00	38.07			22.28	18.00	5.50

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current CC	124.00	19.68	56.00	30.94			
20	65-69	Current MRTP	39.00	6.19					
20	65-69	Current Dual	18.00	2.86					
20	65-69	Former	257.00	40.79			23.53	19.00	7.39

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current CC	102.00	19.47	51.00	36.69			
20	70-74	Current MRTP	26.00	4.96					
20	70-74	Current Dual	11.00	2.10					
20	70-74	Former	230.00	43.89			24.79	13.00	5.65

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current CC	73.00	14.17	61.00	48.03			
20	75-79	Current MRTP	35.00	6.80					
20	75-79	Current Dual	19.00	3.69					
20	75-79	Former	247.00	47.96			25.73	14.00	5.67

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Main Results for E-Component Summarized over Simulations for Run: 3

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	317161	125829.961	125829.961	0.000	0.000	0.000	4990.74	1980.02	1980.02	0.000
1991	313217	124132.583	124132.347	0.236	0.000	0.000	4845.61	1920.39	1920.38	0.004
1992	308577	122143.718	122091.342	52.377	0.017	0.043	4692.62	1857.47	1856.68	0.797
1993	311713	123269.216	123095.001	174.215	0.056	0.141	4656.77	1841.55	1838.95	2.603
1994	305700	120480.723	120228.062	252.662	0.083	0.210	4482.57	1766.64	1762.94	3.705
1995	303225	118666.569	118272.714	393.854	0.130	0.332	4361.58	1706.89	1701.23	5.665
1996	299559	116607.195	116091.790	515.405	0.172	0.442	4242.85	1651.58	1644.28	7.300
1997	294226	114665.051	114113.930	551.122	0.187	0.481	4100.64	1598.09	1590.41	7.681
1998	289258	113038.380	112317.456	720.924	0.249	0.638	3966.28	1549.97	1540.09	9.885
1999	311002	117067.463	116057.251	1010.212	0.325	0.863	4198.14	1580.27	1566.63	13.637
2000	303786	114977.407	113887.927	1089.481	0.359	0.948	4041.13	1529.49	1515.00	14.493
2001	296294	113047.319	111865.388	1181.931	0.399	1.046	3890.54	1484.39	1468.87	15.520
2002	291898	111744.742	110443.887	1300.855	0.446	1.164	3789.34	1450.64	1433.75	16.887
2003	285865	110551.854	109117.444	1434.409	0.502	1.297	3671.31	1419.80	1401.37	18.422
2004	274177	107418.262	105915.141	1503.121	0.548	1.399	3481.92	1364.16	1345.07	19.089
2005	272379	107678.770	106111.117	1567.652	0.576	1.456	3417.44	1351.01	1331.34	19.669
2006	264118	104357.806	102863.894	1493.912	0.566	1.432	3281.83	1296.71	1278.15	18.563
2007	258419	102690.449	101174.069	1516.380	0.587	1.477	3176.05	1262.10	1243.46	18.637
2008	259461	103492.166	101751.129	1741.038	0.671	1.682	3150.91	1256.82	1235.67	21.143
2009	253907	101384.044	99481.557	1902.487	0.749	1.877	3045.20	1215.94	1193.12	22.817

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	5813942	2273243.679	2254841.407	18402.27	0.317	0.810	3927.78	1535.76	1523.33	12.432

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Main Results for E-Component Summarized over Simulations for Run: 3

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	78822	63444.407	63444.407	0.000	0.000	0.000	1240.32	998.340	998.340	0.000
1991	78462	63068.786	63064.726	4.060	0.005	0.006	1213.84	975.702	975.639	0.063
1992	77987	62535.347	62519.395	15.952	0.020	0.026	1185.97	950.993	950.751	0.243
1993	78542	62883.111	62845.612	37.499	0.048	0.060	1173.36	939.428	938.868	0.560
1994	77437	61805.804	61752.839	52.966	0.068	0.086	1135.48	906.276	905.500	0.777
1995	76904	61145.799	61062.674	83.126	0.108	0.136	1106.18	879.519	878.323	1.196
1996	76232	60385.323	60280.081	105.241	0.138	0.174	1079.72	855.277	853.786	1.491
1997	75473	59549.806	59453.623	96.182	0.127	0.162	1051.87	829.947	828.607	1.340
1998	75381	59292.315	59131.042	161.273	0.214	0.272	1033.62	813.010	810.799	2.211
1999	73159	57398.351	57190.029	208.322	0.285	0.363	987.557	774.807	771.995	2.812
2000	73784	57716.549	57463.204	253.344	0.343	0.439	981.515	767.777	764.407	3.370
2001	73294	57211.877	56919.761	292.116	0.399	0.511	962.399	751.230	747.394	3.836
2002	72442	56438.810	56115.433	323.377	0.446	0.573	940.422	732.673	728.475	4.198
2003	71942	55948.341	55617.608	330.733	0.460	0.591	923.937	718.533	714.286	4.248
2004	71301	55339.218	54977.546	361.673	0.507	0.654	905.490	702.783	698.190	4.593
2005	70964	54964.459	54603.278	361.182	0.509	0.657	890.360	689.620	685.088	4.532
2006	69658	53781.526	53456.718	324.809	0.466	0.604	865.543	668.268	664.232	4.036
2007	68565	52784.985	52464.644	320.341	0.467	0.607	842.687	648.745	644.808	3.937
2008	68226	52470.692	52086.028	384.664	0.564	0.733	828.542	637.208	632.537	4.671
2009	67509	51823.021	51405.646	417.375	0.618	0.805	809.661	621.533	616.528	5.006

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	1476084	1159988.529	1155854.295	4134.234	0.280	0.356	997.213	783.665	780.872	2.793

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Main Results for E-Component Summarized over Simulations for Run: 3

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	171484	38382.899	38382.899	0.000	0.000	0.000	2698.42	603.981	603.981	0.000
1991	168044	37067.384	37069.878	-2.494	-0.001	-0.007	2599.72	573.449	573.488	-0.039
1992	164548	35863.851	35833.569	30.282	0.018	0.084	2502.33	545.392	544.931	0.461
1993	164362	35459.800	35351.781	108.019	0.066	0.305	2455.45	529.744	528.130	1.614
1994	159866	34293.631	34140.210	153.422	0.096	0.447	2344.16	502.857	500.608	2.250
1995	158083	33531.695	33301.156	230.539	0.146	0.688	2273.86	482.318	479.002	3.316
1996	154875	32438.163	32138.554	299.609	0.193	0.924	2193.60	459.443	455.199	4.244
1997	149970	31179.663	30845.233	334.429	0.223	1.073	2090.14	434.552	429.891	4.661
1998	145407	29860.736	29479.553	381.184	0.262	1.277	1993.81	409.447	404.221	5.227
1999	165952	34413.904	33862.097	551.808	0.333	1.603	2240.15	464.545	457.097	7.449
2000	160260	33265.290	32714.982	550.308	0.343	1.654	2131.87	442.513	435.192	7.320
2001	154444	32074.102	31502.482	571.620	0.370	1.782	2027.95	421.154	413.649	7.506
2002	151887	31817.956	31196.842	621.115	0.409	1.952	1971.76	413.052	404.989	8.063
2003	146733	31025.931	30294.525	731.407	0.498	2.357	1884.46	398.460	389.067	9.393
2004	138381	29503.602	28739.375	764.228	0.552	2.590	1757.38	374.682	364.977	9.705
2005	135881	29077.894	28271.953	805.941	0.593	2.772	1704.85	364.830	354.718	10.112
2006	131922	28385.448	27566.611	818.837	0.621	2.885	1639.21	352.707	342.532	10.175
2007	126502	27327.625	26481.324	846.301	0.669	3.097	1554.75	335.866	325.464	10.401
2008	125859	27025.472	26102.506	922.966	0.733	3.415	1528.44	328.199	316.991	11.209
2009	122428	26361.626	25334.743	1026.883	0.839	3.895	1468.33	316.165	303.849	12.316

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	2996888	638356.673	628610.272	9746.401	0.325	1.527	2024.64	431.261	424.677	6.584

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Main Results for E-Component Summarized over Simulations for Run: 3

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 3 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	32862	4587.597	4587.597	0.000	0.000	0.000	517.106	72.189	72.189	0.000
1991	32619	4487.983	4490.459	-2.476	-0.008	-0.055	504.630	69.431	69.469	-0.038
1992	32100	4371.196	4370.070	1.126	0.004	0.026	488.154	66.474	66.457	0.017
1993	32896	4414.136	4398.732	15.404	0.047	0.349	491.442	65.944	65.714	0.230
1994	33323	4474.895	4448.822	26.073	0.078	0.583	488.625	65.617	65.234	0.382
1995	33569	4476.290	4432.165	44.125	0.131	0.986	482.855	64.387	63.752	0.635
1996	33870	4489.078	4423.286	65.792	0.194	1.466	479.723	63.582	62.650	0.932
1997	33516	4444.866	4359.090	85.777	0.256	1.930	467.113	61.948	60.753	1.195
1998	32795	4313.427	4229.957	83.470	0.255	1.935	449.682	59.145	58.001	1.145
1999	33375	4232.739	4132.901	99.837	0.299	2.359	450.521	57.137	55.789	1.348
2000	33459	4307.577	4212.069	95.508	0.285	2.217	445.090	57.302	56.031	1.270
2001	32275	4136.308	4049.743	86.566	0.268	2.093	423.792	54.312	53.176	1.137
2002	31586	4079.175	3992.357	86.817	0.275	2.128	410.041	52.955	51.828	1.127
2003	30985	4096.221	3980.954	115.267	0.372	2.814	397.934	52.607	51.127	1.480
2004	29884	4034.217	3917.063	117.154	0.392	2.904	379.513	51.233	49.745	1.488
2005	28708	3944.303	3830.911	113.392	0.395	2.875	360.189	49.488	48.065	1.423
2006	28188	3970.169	3843.002	127.167	0.451	3.203	350.253	49.332	47.752	1.580
2007	28026	3957.558	3815.345	142.212	0.507	3.593	344.449	48.640	46.892	1.748
2008	27128	3812.302	3676.440	135.861	0.501	3.564	329.444	46.297	44.647	1.650
2009	27068	3827.467	3665.819	161.648	0.597	4.223	324.637	45.904	43.966	1.939

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	628232	84457.504	82856.784	1600.720	0.255	1.895	424.421	57.058	55.976	1.081

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Main Results for E-Component Summarized over Simulations for Run: 3

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33993	19415.059	19415.059	0.000	0.000	0.000	534.903	305.509	305.509	0.000
1991	34092	19508.431	19507.284	1.147	0.003	0.006	527.418	301.804	301.786	0.018
1992	33942	19373.324	19368.307	5.017	0.015	0.026	516.166	294.616	294.539	0.076
1993	35913	20512.169	20498.875	13.293	0.037	0.065	536.514	306.437	306.238	0.199
1994	35074	19906.392	19886.191	20.201	0.058	0.101	514.300	291.893	291.597	0.296
1995	34669	19512.784	19476.720	36.065	0.104	0.185	498.677	280.671	280.152	0.519
1996	34582	19294.631	19249.868	44.763	0.129	0.232	489.808	273.283	272.649	0.634
1997	35267	19490.717	19455.983	34.734	0.098	0.178	491.517	271.643	271.159	0.484
1998	35675	19571.902	19476.905	94.997	0.266	0.485	489.172	268.368	267.065	1.303
1999	38516	21022.469	20872.224	150.245	0.390	0.715	519.919	283.777	281.749	2.028
2000	36283	19687.992	19497.670	190.321	0.525	0.967	482.656	261.900	259.369	2.532
2001	36281	19625.032	19393.403	231.629	0.638	1.180	476.394	257.690	254.648	3.041
2002	35983	19408.801	19139.255	269.546	0.749	1.389	467.122	251.960	248.461	3.499
2003	36205	19481.360	19224.358	257.002	0.710	1.319	464.974	250.195	246.895	3.301
2004	34611	18541.224	18281.157	260.067	0.751	1.403	439.544	235.465	232.162	3.303
2005	36826	19692.114	19404.976	287.138	0.780	1.458	462.043	247.070	243.467	3.603
2006	34350	18220.663	17997.563	223.100	0.649	1.224	426.820	226.403	223.631	2.772
2007	35326	18620.282	18412.756	207.526	0.587	1.115	434.168	228.849	226.299	2.551
2008	38248	20183.701	19886.155	297.546	0.778	1.474	464.487	245.112	241.499	3.613
2009	36902	19371.930	19075.348	296.581	0.804	1.531	442.580	232.335	228.778	3.557

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	712738	390440.974	387520.057	2920.917	0.410	0.748	481.512	263.774	261.801	1.973

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 4

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.04
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A2
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 4, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 4, Scenario: STP_MRTP

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		F (Females)
3. Assumption Set		APP19A2

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000464	0.000173	0.000058	0.000058
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001392	0.000518	0.000173	0.000173
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001856	0.000691	0.000230	0.000230
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000691	0.000230	0.000230
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000864	0.000288	0.000288
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000864	0.000288	0.000288
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002784	0.001037	0.000346	0.000346
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003248	0.001210	0.000403	0.000403
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003712	0.001382	0.000461	0.000461
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000464	0.000115	0.000115	0.000058
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001392	0.000346	0.000346	0.000173
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001856	0.000461	0.000461	0.000230
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001856	0.000461	0.000461	0.000230
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000576	0.000576	0.000288
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002320	0.000576	0.000576	0.000288
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002784	0.000691	0.000691	0.000346
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003248	0.000806	0.000806	0.000403
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003712	0.000922	0.000922	0.000461

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 4, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current	2058.00	23.75	0.00	0.00			
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current	53.00	16.51	0.00	0.00			
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current	211.00	25.39	0.00	0.00			
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current	290.00	29.03	0.00	0.00			
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current	342.00	30.48	0.00	0.00			
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current	241.00	24.85	0.00	0.00			
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current	206.00	25.40	0.00	0.00			
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current	166.00	26.73	0.00	0.00			
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current	145.00	27.10	0.00	0.00			
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current	110.00	22.54	0.00	0.00			
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current	113.00	21.08	0.00	0.00			
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current	81.00	15.03	0.00	0.00			
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current	55.00	11.32	0.00	0.00			
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current	45.00	11.11	0.00	0.00			
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4861.00	53.54					
5	All Ages	Current	2229.00	24.55	120.00	5.38			
5	All Ages	Former	1990.00	21.92			14.73	120.00	6.03

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	254.00	85.23					
5	18-19	Current	43.00	14.43	0.00	0.00			
5	18-19	Former	1.00	0.34			0.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	550.00	65.17					
5	20-24	Current	259.00	30.69	1.00	0.39			
5	20-24	Former	35.00	4.15			3.23	9.00	25.71

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	449.00	54.03					
5	25-29	Current	251.00	30.20	11.00	4.38			
5	25-29	Former	131.00	15.76			5.64	8.00	6.11

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	520.00	52.05					
5	30-34	Current	299.00	29.93	11.00	3.68			
5	30-34	Former	180.00	18.02			7.79	15.00	8.33

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	559.00	49.82					
5	35-39	Current	328.00	29.23	16.00	4.88			
5	35-39	Former	235.00	20.94			8.29	16.00	6.81

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current	230.00	23.71	19.00	8.26			
5	40-44	Former	243.00	25.05			11.45	17.00	7.00

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current	194.00	23.92	8.00	4.12			
5	45-49	Former	195.00	24.04			11.56	10.00	5.13

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current	154.00	24.80	9.00	5.84			
5	50-54	Former	166.00	26.73			15.46	8.00	4.82

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current	130.00	24.30	5.00	3.85			
5	55-59	Former	153.00	28.60			15.16	7.00	4.58

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current	101.00	20.70	4.00	3.96			
5	60-64	Former	137.00	28.07			20.60	7.00	5.11

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	260.00	48.51					
5	65-69	Current	108.00	20.15	13.00	12.04			
5	65-69	Former	168.00	31.34			21.20	8.00	4.76

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current	76.00	14.10	9.00	11.84			
5	70-74	Former	183.00	33.95			24.28	10.00	5.46

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current	56.00	11.52	14.00	25.00			
5	75-79	Former	163.00	33.54			26.72	4.00	2.45

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4862.00	53.38					
10	All Ages	Current	2212.00	24.28	200.00	9.04			
10	All Ages	Former	2035.00	22.34			15.88	142.00	6.98

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	606.00	74.54					
10	20-24	Current	184.00	22.63	0.00	0.00			
10	20-24	Former	23.00	2.83			1.96	12.00	52.17

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	498.00	59.00					
10	25-29	Current	279.00	33.06	6.00	2.15			
10	25-29	Former	67.00	7.94			4.97	15.00	22.39

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	422.00	50.78					
10	30-34	Current	262.00	31.53	25.00	9.54			
10	30-34	Former	147.00	17.69			8.78	15.00	10.20

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	515.00	51.55					
10	35-39	Current	271.00	27.13	14.00	5.17			
10	35-39	Former	213.00	21.32			10.85	15.00	7.04

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	559.00	49.82					
10	40-44	Current	296.00	26.38	24.00	8.11			
10	40-44	Former	267.00	23.80			11.52	17.00	6.37

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current	208.00	21.44	28.00	13.46			
10	45-49	Former	265.00	27.32			14.52	14.00	5.28

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	422.00	52.03					
10	50-54	Current	183.00	22.56	20.00	10.93			
10	50-54	Former	206.00	25.40			14.78	14.00	6.80

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current	145.00	23.35	15.00	10.34			
10	55-59	Former	175.00	28.18			18.89	8.00	4.57

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current	127.00	23.74	15.00	11.81			
10	60-64	Former	156.00	29.16			18.51	4.00	2.56

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current	92.00	18.85	13.00	14.13			
10	65-69	Former	146.00	29.92			22.28	8.00	5.48

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current	91.00	16.98	16.00	17.58			
10	70-74	Former	185.00	34.51			22.55	9.00	4.86

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current	74.00	13.73	24.00	32.43			
10	75-79	Former	185.00	34.32			25.64	11.00	5.95

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4491.00	52.40					
15	All Ages	Current	2076.00	24.22	277.00	13.34			
15	All Ages	Former	2003.00	23.37			17.29	123.00	6.14

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	549.00	67.53					
15	25-29	Current	223.00	27.43	1.00	0.45			
15	25-29	Former	41.00	5.04			4.46	11.00	26.83

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	473.00	56.04					
15	30-34	Current	277.00	32.82	12.00	4.33			
15	30-34	Former	94.00	11.14			7.35	14.00	14.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	413.00	49.70					
15	35-39	Current	241.00	29.00	28.00	11.62			
15	35-39	Former	177.00	21.30			11.16	13.00	7.34

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	515.00	51.55					
15	40-44	Current	260.00	26.03	32.00	12.31			
15	40-44	Former	224.00	22.42			14.11	14.00	6.25

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	559.00	49.82					
15	45-49	Current	276.00	24.60	38.00	13.77			
15	45-49	Former	287.00	25.58			14.89	12.00	4.18

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current	199.00	20.52	37.00	18.59			
15	50-54	Former	274.00	28.25			17.97	9.00	3.28

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current	168.00	20.72	28.00	16.67			
15	55-59	Former	221.00	27.25			17.53	12.00	5.43

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	301.00	48.47					
15	60-64	Current	133.00	21.42	22.00	16.54			
15	60-64	Former	187.00	30.11			21.34	9.00	4.81

Year of Follow-up: 2005, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current	122.00	22.80	22.00	18.03			
15	65-69	Former	161.00	30.09			21.48	8.00	4.97

Year of Follow-up: 2005, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current	91.00	18.65	29.00	31.87			
15	70-74	Former	147.00	30.12			24.10	9.00	6.12

Year of Follow-up: 2005, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current	86.00	16.04	28.00	32.56			
15	75-79	Former	190.00	35.45			24.03	12.00	6.32

Year of Follow-up: 2010, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4198.00	52.25					
20	All Ages	Current	1870.00	23.28	298.00	15.94			
20	All Ages	Former	1966.00	24.47			18.93	102.00	5.19

Year of Follow-up: 2010, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	525.00	64.58					
20	30-34	Current	222.00	27.31	4.00	1.80			
20	30-34	Former	66.00	8.12			6.38	13.00	19.70

Year of Follow-up: 2010, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	464.00	54.98					
20	35-39	Current	268.00	31.75	14.00	5.22			
20	35-39	Former	112.00	13.27			10.45	11.00	9.82

Year of Follow-up: 2010, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	413.00	49.70					
20	40-44	Current	222.00	26.71	28.00	12.61			
20	40-44	Former	196.00	23.59			14.27	10.00	5.10

Year of Follow-up: 2010, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	515.00	51.55					
20	45-49	Current	240.00	24.02	38.00	15.83			
20	45-49	Former	244.00	24.42			16.90	12.00	4.92

Year of Follow-up: 2010, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	559.00	49.82					
20	50-54	Current	261.00	23.26	50.00	19.16			
20	50-54	Former	302.00	26.92			17.95	9.00	2.98

Year of Follow-up: 2010, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current	180.00	18.56	40.00	22.22			
20	55-59	Former	293.00	30.21			20.76	11.00	3.75

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current	160.00	19.73	39.00	24.38			
20	60-64	Former	229.00	28.24			20.08	10.00	4.37

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current	124.00	19.97	28.00	22.58			
20	65-69	Former	196.00	31.56			23.72	7.00	3.57

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current	115.00	21.50	30.00	26.09			
20	70-74	Former	168.00	31.40			23.68	8.00	4.76

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current	78.00	15.98	27.00	34.62			
20	75-79	Former	160.00	32.79			24.91	11.00	6.88

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Main Output for the Smoking History Summarized over Simulations for Run: 4, Scenario: MRTP

Variable	Parameter	Value
1.	Country	US (United States)
2.	Sex	F (Females)
3.	Year of start of process	1990
4.	Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current CC	2058.00	23.75	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current CC	53.00	16.51	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current CC	211.00	25.39	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current CC	290.00	29.03	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current CC	342.00	30.48	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current CC	241.00	24.85	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current CC	206.00	25.40	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current CC	166.00	26.73	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current CC	145.00	27.10	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current CC	110.00	22.54	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current CC	113.00	21.08	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current CC	81.00	15.03	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current CC	55.00	11.32	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current CC	45.00	11.11	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4886.00	53.81					
5	All Ages	Current CC	2052.00	22.60	148.00	6.56			
5	All Ages	Current MRTP	117.00	1.29					
5	All Ages	Current Dual	86.00	0.95					
5	All Ages	Former	1939.00	21.35			14.81	106.00	5.47

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	253.00	84.90					
5	18-19	Current CC	31.00	10.40	0.00	0.00			
5	18-19	Current MRTP	5.00	1.68					
5	18-19	Current Dual	8.00	2.68					
5	18-19	Former	1.00	0.34			1.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	558.00	66.11					
5	20-24	Current CC	225.00	26.66	4.00	1.53			
5	20-24	Current MRTP	20.00	2.37					
5	20-24	Current Dual	16.00	1.90					
5	20-24	Former	25.00	2.96			2.92	9.00	36.00
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	463.00	55.72					
5	25-29	Current CC	206.00	24.79	11.00	4.74			
5	25-29	Current MRTP	16.00	1.93					
5	25-29	Current Dual	10.00	1.20					
5	25-29	Former	136.00	16.37			5.43	12.00	8.82
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	522.00	52.25					
5	30-34	Current CC	282.00	28.23	15.00	5.00			
5	30-34	Current MRTP	9.00	0.90					
5	30-34	Current Dual	9.00	0.90					
5	30-34	Former	177.00	17.72			7.89	11.00	6.21
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	561.00	50.00					
5	35-39	Current CC	304.00	27.09	9.00	2.76			
5	35-39	Current MRTP	15.00	1.34					
5	35-39	Current Dual	7.00	0.62					
5	35-39	Former	235.00	20.94			8.51	15.00	6.38
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current CC	216.00	22.27	14.00	6.14			
5	40-44	Current MRTP	7.00	0.72					
5	40-44	Current Dual	5.00	0.52					
5	40-44	Former	245.00	25.26			11.76	12.00	4.90
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current CC	176.00	21.70	11.00	5.79			
5	45-49	Current MRTP	9.00	1.11					
5	45-49	Current Dual	5.00	0.62					
5	45-49	Former	199.00	24.54			11.36	13.00	6.53
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current CC	149.00	23.99	13.00	8.18			
5	50-54	Current MRTP	5.00	0.81					
5	50-54	Current Dual	5.00	0.81					
5	50-54	Former	161.00	25.93			15.36	11.00	6.83
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current CC	123.00	22.99	8.00	6.06			
5	55-59	Current MRTP	6.00	1.12					
5	55-59	Current Dual	3.00	0.56					
5	55-59	Former	151.00	28.22			15.40	4.00	2.65
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current CC	102.00	20.90	8.00	7.27			
5	60-64	Current MRTP	7.00	1.43					
5	60-64	Current Dual	1.00	0.20					
5	60-64	Former	128.00	26.23			21.75	3.00	2.34
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	260.00	48.51					
5	65-69	Current CC	107.00	19.96	21.00	17.36			
5	65-69	Current MRTP	6.00	1.12					
5	65-69	Current Dual	8.00	1.49					
5	65-69	Former	155.00	28.92			21.20	6.00	3.87
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current CC	79.00	14.66	17.00	19.32			
5	70-74	Current MRTP	4.00	0.74					
5	70-74	Current Dual	5.00	0.93					
5	70-74	Former	171.00	31.73			24.68	6.00	3.51

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current CC	52.00	10.70	17.00	26.56			
5	75-79	Current MRTP	8.00	1.65					
5	75-79	Current Dual	4.00	0.82					
5	75-79	Former	155.00	31.89			27.65	3.00	1.94

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4898.00	53.77					
10	All Ages	Current CC	1902.00	20.88	238.00	10.41			
10	All Ages	Current MRTP	238.00	2.61					
10	All Ages	Current Dual	147.00	1.61					
10	All Ages	Former	1924.00	21.12			16.27	107.00	5.56

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	601.00	73.92					
10	20-24	Current CC	138.00	16.97	0.00	0.00			
10	20-24	Current MRTP	28.00	3.44					
10	20-24	Current Dual	28.00	3.44					
10	20-24	Former	18.00	2.21			2.50	6.00	33.33

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	523.00	61.97					
10	25-29	Current CC	212.00	25.12	8.00	2.92			
10	25-29	Current MRTP	34.00	4.03					
10	25-29	Current Dual	28.00	3.32					
10	25-29	Former	47.00	5.57			4.68	12.00	25.53

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	441.00	53.07					
10	30-34	Current CC	188.00	22.62	16.00	6.90			
10	30-34	Current MRTP	29.00	3.49					
10	30-34	Current Dual	15.00	1.81					
10	30-34	Former	158.00	19.01			8.90	11.00	6.96

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	510.00	51.05					
10	35-39	Current CC	260.00	26.03	30.00	9.90			
10	35-39	Current MRTP	26.00	2.60					
10	35-39	Current Dual	17.00	1.70					
10	35-39	Former	186.00	18.62			11.35	7.00	3.76

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	561.00	50.00					
10	40-44	Current CC	265.00	23.62	22.00	7.43			
10	40-44	Current MRTP	23.00	2.05					
10	40-44	Current Dual	8.00	0.71					
10	40-44	Former	265.00	23.62			11.49	16.00	6.04

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current CC	188.00	19.38	26.00	11.98			
10	45-49	Current MRTP	20.00	2.06					
10	45-49	Current Dual	9.00	0.93					
10	45-49	Former	256.00	26.39			15.41	8.00	3.13

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	422.00	52.03					
10	50-54	Current CC	162.00	19.98	24.00	13.04			
10	50-54	Current MRTP	15.00	1.85					
10	50-54	Current Dual	7.00	0.86					
10	50-54	Former	205.00	25.28			14.90	9.00	4.39
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current CC	133.00	21.42	23.00	14.84			
10	55-59	Current MRTP	12.00	1.93					
10	55-59	Current Dual	10.00	1.61					
10	55-59	Former	165.00	26.57			18.44	6.00	3.64
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current CC	111.00	20.75	16.00	12.50			
10	60-64	Current MRTP	12.00	2.24					
10	60-64	Current Dual	5.00	0.93					
10	60-64	Former	155.00	28.97			18.80	5.00	3.23
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current CC	92.00	18.85	12.00	11.76			
10	65-69	Current MRTP	8.00	1.64					
10	65-69	Current Dual	2.00	0.41					
10	65-69	Former	136.00	27.87			23.95	4.00	2.94
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current CC	85.00	15.86	26.00	23.64			
10	70-74	Current MRTP	14.00	2.61					
10	70-74	Current Dual	11.00	2.05					
10	70-74	Former	166.00	30.97			23.08	10.00	6.02
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current CC	68.00	12.62	35.00	38.04			
10	75-79	Current MRTP	17.00	3.15					
10	75-79	Current Dual	7.00	1.30					
10	75-79	Former	167.00	30.98			26.55	13.00	7.78
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4523.00	52.78					
15	All Ages	Current CC	1619.00	18.89	295.00	13.97			
15	All Ages	Current MRTP	312.00	3.64					
15	All Ages	Current Dual	181.00	2.11					
15	All Ages	Former	1935.00	22.58			17.19	137.00	7.08
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	546.00	67.16					
15	25-29	Current CC	145.00	17.84	2.00	0.87			
15	25-29	Current MRTP	46.00	5.66					
15	25-29	Current Dual	39.00	4.80					
15	25-29	Former	37.00	4.55			3.95	14.00	37.84
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	490.00	58.06					

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15	30-34	Current CC	191.00	22.63	10.00	3.61			
15	30-34	Current MRTP	55.00	6.52					
15	30-34	Current Dual	31.00	3.67					
15	30-34	Former	77.00	9.12			5.99	18.00	23.38
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	434.00	52.23					
15	35-39	Current CC	162.00	19.49	29.00	13.43			
15	35-39	Current MRTP	35.00	4.21					
15	35-39	Current Dual	19.00	2.29					
15	35-39	Former	181.00	21.78			11.65	11.00	6.08
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	510.00	51.05					
15	40-44	Current CC	227.00	22.72	42.00	14.63			
15	40-44	Current MRTP	36.00	3.60					
15	40-44	Current Dual	24.00	2.40					
15	40-44	Former	202.00	20.22			14.08	12.00	5.94
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	561.00	50.00					
15	45-49	Current CC	233.00	20.77	30.00	10.71			
15	45-49	Current MRTP	34.00	3.03					
15	45-49	Current Dual	13.00	1.16					
15	45-49	Former	281.00	25.04			14.92	13.00	4.63
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current CC	163.00	16.80	38.00	18.81			
15	50-54	Current MRTP	25.00	2.58					
15	50-54	Current Dual	14.00	1.44					
15	50-54	Former	271.00	27.94			18.10	13.00	4.80
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current CC	144.00	17.76	32.00	18.71			
15	55-59	Current MRTP	17.00	2.10					
15	55-59	Current Dual	10.00	1.23					
15	55-59	Former	218.00	26.88			17.70	13.00	5.96
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	301.00	48.47					
15	60-64	Current CC	109.00	17.55	25.00	18.38			
15	60-64	Current MRTP	18.00	2.90					
15	60-64	Current Dual	9.00	1.45					
15	60-64	Former	184.00	29.63			20.16	9.00	4.89
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current CC	100.00	18.69	30.00	24.79			
15	65-69	Current MRTP	12.00	2.24					
15	65-69	Current Dual	9.00	1.68					
15	65-69	Former	162.00	30.28			20.86	9.00	5.56
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current CC	73.00	14.96	22.00	23.91			
15	70-74	Current MRTP	15.00	3.07					
15	70-74	Current Dual	4.00	0.82					
15	70-74	Former	146.00	29.92			23.86	11.00	7.53
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current CC	72.00	13.43	35.00	35.00			
15	75-79	Current MRTP	19.00	3.54					
15	75-79	Current Dual	9.00	1.68					
15	75-79	Former	176.00	32.84			23.71	14.00	7.95
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4226.00	52.60					
20	All Ages	Current CC	1376.00	17.13	327.00	17.30			

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20	All Ages	Current MRTP	325.00	4.05					
20	All Ages	Current Dual	189.00	2.35					
20	All Ages	Former	1918.00	23.87			18.63	123.00	6.41
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	521.00	64.08					
20	30-34	Current CC	141.00	17.34	4.00	1.74			
20	30-34	Current MRTP	51.00	6.27					
20	30-34	Current Dual	38.00	4.67					
20	30-34	Former	62.00	7.63			5.61	13.00	20.97
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	478.00	56.64					
20	35-39	Current CC	165.00	19.55	15.00	5.75			
20	35-39	Current MRTP	61.00	7.23					
20	35-39	Current Dual	35.00	4.15					
20	35-39	Former	105.00	12.44			8.01	16.00	15.24
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	434.00	52.23					
20	40-44	Current CC	142.00	17.09	34.00	17.17			
20	40-44	Current MRTP	36.00	4.33					
20	40-44	Current Dual	20.00	2.41					
20	40-44	Former	199.00	23.95			14.80	6.00	3.02
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	510.00	51.05					
20	45-49	Current CC	208.00	20.82	45.00	16.85			
20	45-49	Current MRTP	34.00	3.40					
20	45-49	Current Dual	25.00	2.50					
20	45-49	Former	222.00	22.22			16.65	10.00	4.50
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	561.00	50.00					
20	50-54	Current CC	206.00	18.36	40.00	15.44			
20	50-54	Current MRTP	39.00	3.48					
20	50-54	Current Dual	14.00	1.25					
20	50-54	Former	302.00	26.92			17.69	15.00	4.97
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current CC	141.00	14.54	44.00	24.04			
20	55-59	Current MRTP	28.00	2.89					
20	55-59	Current Dual	14.00	1.44					
20	55-59	Former	290.00	29.90			20.29	15.00	5.17
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current CC	124.00	15.29	46.00	27.88			
20	60-64	Current MRTP	25.00	3.08					

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	16.00	1.97					
20	60-64	Former	224.00	27.62			20.55	12.00	5.36

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current CC	95.00	15.30	30.00	23.81			
20	65-69	Current MRTP	22.00	3.54					
20	65-69	Current Dual	9.00	1.45					
20	65-69	Former	194.00	31.24			22.81	10.00	5.15

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current CC	89.00	16.64	39.00	33.62			
20	70-74	Current MRTP	14.00	2.62					
20	70-74	Current Dual	13.00	2.43					
20	70-74	Former	167.00	31.21			23.43	12.00	7.19

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current CC	65.00	13.32	30.00	35.29			
20	75-79	Current MRTP	15.00	3.07					
20	75-79	Current Dual	5.00	1.02					
20	75-79	Former	153.00	31.35			24.44	14.00	9.15

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Main Results for E-Component Summarized over Simulations for Run: 4

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	199848	57300.589	57300.589	0.000	0.000	0.000	2876.55	824.768	824.768	0.000
1991	199162	59127.861	59148.351	-20.490	-0.010	-0.035	2826.86	839.248	839.538	-0.291
1992	198532	60226.142	60276.390	-50.248	-0.025	-0.083	2778.64	842.922	843.626	-0.703
1993	202512	62332.320	62409.748	-77.428	-0.038	-0.124	2793.47	859.818	860.886	-1.068
1994	200658	62691.239	62806.630	-115.391	-0.058	-0.184	2725.82	851.622	853.190	-1.568
1995	201023	63132.954	63286.057	-153.103	-0.076	-0.243	2687.54	844.043	846.090	-2.047
1996	201180	64309.880	64601.386	-291.506	-0.145	-0.453	2653.67	848.280	852.125	-3.845
1997	198639	64547.894	64920.677	-372.784	-0.188	-0.578	2583.39	839.475	844.323	-4.848
1998	197573	65384.866	65710.399	-325.533	-0.165	-0.498	2533.29	838.367	842.541	-4.174
1999	211329	67554.762	67839.659	-284.897	-0.135	-0.422	2673.14	854.513	858.117	-3.604
2000	208496	68184.366	68433.131	-248.765	-0.119	-0.365	2604.20	851.652	854.759	-3.107
2001	203606	68286.060	68434.978	-148.918	-0.073	-0.218	2514.65	843.372	845.212	-1.839
2002	200828	68983.996	69180.225	-196.229	-0.098	-0.284	2455.47	843.450	845.849	-2.399
2003	196352	68717.830	68739.202	-21.372	-0.011	-0.031	2377.49	832.057	832.316	-0.259
2004	188160	67344.952	67089.940	255.012	0.136	0.379	2254.66	806.974	803.918	3.056
2005	186416	67846.650	67506.644	340.006	0.182	0.501	2208.07	803.634	799.606	4.027
2006	180088	66622.465	65947.873	674.592	0.375	1.013	2113.55	781.893	773.976	7.917
2007	175644	65977.201	65112.007	865.194	0.493	1.311	2039.92	766.256	756.208	10.048
2008	177570	67121.344	66120.837	1000.507	0.563	1.491	2039.03	770.751	759.262	11.489
2009	172806	66622.993	65329.008	1293.985	0.749	1.942	1961.22	756.123	741.437	14.686

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	3900422	1302316.365	1300193.732	2122.632	0.054	0.163	2465.77	823.300	821.958	1.342

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Main Results for E-Component Summarized over Simulations for Run: 4

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	42690	30645.370	30645.370	0.000	0.000	0.000	614.467	441.100	441.100	0.000
1991	43692	31530.019	31533.135	-3.117	-0.007	-0.010	620.154	447.530	447.574	-0.044
1992	45423	32811.446	32823.936	-12.490	-0.027	-0.038	635.738	459.227	459.402	-0.175
1993	46291	33467.735	33489.490	-21.755	-0.047	-0.065	638.542	461.657	461.957	-0.300
1994	47017	33989.389	34027.135	-37.747	-0.080	-0.111	638.697	461.725	462.238	-0.513
1995	47840	34566.580	34617.755	-51.175	-0.107	-0.148	639.587	462.131	462.815	-0.684
1996	48244	34997.958	35099.230	-101.273	-0.210	-0.289	636.363	461.641	462.977	-1.336
1997	49035	35549.658	35678.791	-129.134	-0.263	-0.363	637.723	462.340	464.019	-1.679
1998	49686	36138.033	36257.289	-119.255	-0.240	-0.330	637.076	463.363	464.892	-1.529
1999	48883	35506.142	35616.516	-110.374	-0.226	-0.311	618.331	449.124	450.520	-1.396
2000	50331	36573.306	36671.503	-98.197	-0.195	-0.268	628.656	456.816	458.043	-1.227
2001	50389	36733.445	36803.932	-70.487	-0.140	-0.192	622.333	453.679	454.550	-0.871
2002	51445	37627.700	37710.241	-82.541	-0.160	-0.219	629.005	460.065	461.074	-1.009
2003	51408	37552.784	37580.782	-27.998	-0.054	-0.075	622.464	454.701	455.040	-0.339
2004	51399	37527.823	37477.314	50.509	0.098	0.135	615.898	449.684	449.079	0.605
2005	51421	37486.186	37421.138	65.048	0.127	0.174	609.074	444.018	443.248	0.770
2006	51355	37409.496	37229.000	180.496	0.351	0.482	602.712	439.045	436.926	2.118
2007	51839	37602.867	37363.789	239.078	0.461	0.636	602.056	436.718	433.941	2.777
2008	50976	36986.957	36719.462	267.495	0.525	0.723	585.355	424.719	421.648	3.072
2009	51193	37201.944	36821.540	380.405	0.743	1.023	581.003	422.215	417.898	4.317

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	980557	711904.839	711587.349	317.490	0.032	0.045	619.890	450.053	449.852	0.201

****

Main Results for E-Component Summarized over Simulations for Run: 4

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	98916	12646.761	12646.761	0.000	0.000	0.000	1423.77	182.034	182.034	0.000
1991	96403	12662.980	12675.519	-12.539	-0.013	-0.099	1368.32	179.735	179.913	-0.178
1992	93721	12337.995	12359.051	-21.056	-0.022	-0.171	1311.71	172.682	172.977	-0.295
1993	93679	12401.934	12428.082	-26.148	-0.028	-0.211	1292.22	171.073	171.434	-0.361
1994	90832	12128.576	12158.928	-30.353	-0.033	-0.250	1233.90	164.759	165.172	-0.412
1995	89698	11958.696	12000.987	-42.291	-0.047	-0.354	1199.20	159.879	160.445	-0.565
1996	88286	12020.749	12090.118	-69.369	-0.079	-0.577	1164.54	158.560	159.475	-0.915
1997	84777	11593.724	11681.049	-87.325	-0.103	-0.753	1102.56	150.782	151.917	-1.136
1998	82517	11337.035	11398.912	-61.877	-0.075	-0.546	1058.04	145.364	146.157	-0.793
1999	93939	13027.458	13057.001	-29.544	-0.031	-0.227	1188.25	164.787	165.161	-0.374
2000	90039	12607.547	12639.534	-31.987	-0.036	-0.254	1124.63	157.474	157.873	-0.400
2001	86119	12350.451	12333.127	17.324	0.020	0.140	1063.62	152.535	152.321	0.214
2002	83014	12112.097	12103.072	9.024	0.011	0.075	1014.99	148.092	147.981	0.110
2003	79302	11683.252	11620.336	62.916	0.079	0.539	960.214	141.465	140.703	0.762
2004	73861	11139.095	10971.281	167.814	0.227	1.507	885.053	133.476	131.465	2.011
2005	71649	10884.683	10685.595	199.088	0.278	1.829	848.672	128.927	126.569	2.358
2006	67551	10397.565	10100.528	297.036	0.440	2.857	792.791	122.028	118.542	3.486
2007	63503	9785.831	9413.514	372.318	0.586	3.805	737.521	113.652	109.328	4.324
2008	63171	9922.524	9499.236	423.288	0.670	4.266	725.389	113.940	109.079	4.861
2009	59747	9483.598	8997.408	486.190	0.814	5.127	678.085	107.632	102.114	5.518

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	1650724	232482.549	230860.041	1622.508	0.098	0.698	1043.56	146.971	145.945	1.026

****

Main Results for E-Component Summarized over Simulations for Run: 4

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 4 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33504	3193.244	3193.244	0.000	0.000	0.000	482.247	45.963	45.963	0.000
1991	32505	3116.016	3119.677	-3.662	-0.011	-0.118	461.369	44.228	44.280	-0.052
1992	32560	3095.448	3104.019	-8.571	-0.026	-0.277	455.708	43.324	43.444	-0.120
1993	32768	3114.516	3125.168	-10.651	-0.033	-0.342	452.005	42.962	43.109	-0.147
1994	33005	3168.398	3181.002	-12.603	-0.038	-0.398	448.353	43.041	43.212	-0.171
1995	33730	3200.274	3217.532	-17.258	-0.051	-0.539	450.946	42.785	43.016	-0.231
1996	33750	3234.738	3256.127	-21.388	-0.063	-0.661	445.180	42.668	42.950	-0.282
1997	33699	3240.665	3275.805	-35.141	-0.104	-1.084	438.271	42.146	42.603	-0.457
1998	33274	3171.578	3197.103	-25.525	-0.077	-0.805	426.640	40.666	40.993	-0.327
1999	33891	3153.786	3165.124	-11.338	-0.033	-0.359	428.694	39.893	40.036	-0.143
2000	33827	3237.043	3242.758	-5.715	-0.017	-0.177	422.514	40.432	40.503	-0.071
2001	32506	3110.972	3102.993	7.978	0.025	0.256	401.468	38.422	38.324	0.099
2002	32078	3123.298	3110.976	12.321	0.038	0.394	392.210	38.188	38.037	0.151
2003	30568	3025.984	2994.963	31.021	0.101	1.025	370.127	36.640	36.264	0.376
2004	29388	2983.453	2917.029	66.424	0.226	2.226	352.147	35.750	34.954	0.796
2005	27954	2926.679	2844.499	82.180	0.294	2.808	331.111	34.666	33.693	0.973
2006	27201	2889.308	2779.021	110.287	0.405	3.817	319.236	33.909	32.615	1.294
2007	26302	2810.025	2674.755	135.270	0.514	4.814	305.470	32.636	31.064	1.571
2008	25998	2773.025	2628.551	144.474	0.556	5.210	298.534	31.843	30.184	1.659
2009	25040	2723.293	2556.661	166.632	0.665	6.119	284.186	30.907	29.016	1.891

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	623548	61291.743	60687.007	604.736	0.097	0.987	394.195	38.747	38.365	0.382

****

Main Results for E-Component Summarized over Simulations for Run: 4

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	24738	10815.214	10815.214	0.000	0.000	0.000	356.071	155.671	155.671	0.000
1991	26562	11818.847	11820.020	-1.172	-0.004	-0.010	377.015	167.754	167.771	-0.017
1992	26828	11981.252	11989.384	-8.132	-0.030	-0.068	375.483	167.689	167.803	-0.114
1993	29774	13348.134	13367.008	-18.874	-0.063	-0.141	410.705	184.125	184.386	-0.260
1994	29804	13404.876	13439.564	-34.688	-0.116	-0.259	404.869	182.097	182.568	-0.471
1995	29755	13407.404	13449.782	-42.378	-0.142	-0.316	397.803	179.248	179.814	-0.567
1996	30900	14056.435	14155.911	-99.476	-0.322	-0.708	407.587	185.412	186.724	-1.312
1997	31128	14163.848	14285.032	-121.184	-0.389	-0.856	404.834	184.207	185.783	-1.576
1998	32096	14738.220	14857.095	-118.875	-0.370	-0.807	411.536	188.974	190.498	-1.524
1999	34616	15867.376	16001.017	-133.641	-0.386	-0.842	437.865	200.710	202.400	-1.690
2000	34299	15766.470	15879.336	-112.867	-0.329	-0.716	428.409	196.930	198.340	-1.410
2001	34592	16091.193	16194.926	-103.733	-0.300	-0.645	427.231	198.736	200.017	-1.281
2002	34291	16120.902	16255.935	-135.033	-0.394	-0.838	419.268	197.106	198.757	-1.651
2003	35074	16455.810	16543.121	-87.311	-0.249	-0.531	424.687	199.252	200.309	-1.057
2004	33512	15694.580	15724.316	-29.736	-0.089	-0.189	401.564	188.063	188.420	-0.356
2005	35392	16549.102	16555.412	-6.311	-0.018	-0.038	419.213	196.022	196.096	-0.075
2006	33981	15926.096	15839.323	86.773	0.255	0.545	398.807	186.912	185.893	1.018
2007	34000	15778.477	15659.950	118.528	0.349	0.751	394.875	183.251	181.874	1.377
2008	37425	17438.838	17273.588	165.250	0.442	0.948	429.749	200.249	198.352	1.898
2009	36826	17214.158	16953.400	260.758	0.708	1.515	417.948	195.368	192.409	2.959

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	645593	296637.233	297059.335	-422.102	-0.065	-0.142	408.132	187.528	187.795	-0.267

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 5

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.26
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A3
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 5, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 5, Scenario: STP_MRTP

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		M (Males)
3. Assumption Set		APP19A3

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000446	0.000187	0.000062	0.000062
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001338	0.000562	0.000187	0.000187
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001784	0.000749	0.000250	0.000250
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000936	0.000312	0.000312
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000936	0.000312	0.000312
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002676	0.001123	0.000374	0.000374
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003122	0.001310	0.000437	0.000437
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003568	0.001498	0.000499	0.000499
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000446	0.000125	0.000125	0.000062
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001338	0.000374	0.000374	0.000187
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001784	0.000499	0.000499	0.000250
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000624	0.000624	0.000312
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000624	0.000624	0.000312
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002676	0.000749	0.000749	0.000374
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003122	0.000874	0.000874	0.000437
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003568	0.000998	0.000998	0.000499

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 5, Scenario: NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current	2550.00	29.83	0.00	0.00			
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current	57.00	15.88	0.00	0.00			
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current	292.00	30.48	0.00	0.00			
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current	403.00	37.52	0.00	0.00			
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current	378.00	34.90	0.00	0.00			
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current	309.00	31.76	0.00	0.00			
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current	273.00	31.78	0.00	0.00			
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current	211.00	33.49	0.00	0.00			
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current	159.00	30.34	0.00	0.00			
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current	130.00	25.24	0.00	0.00			
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current	129.00	25.80	0.00	0.00			
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current	87.00	19.42	0.00	0.00			
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current	79.00	22.01	0.00	0.00			
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current	43.00	16.17	0.00	0.00			
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3879.00	42.27					
5	All Ages	Current	2696.00	29.38	162.00	6.01			
5	All Ages	Former	2602.00	28.35			15.34	172.00	6.61

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	277.00	81.71					
5	18-19	Current	60.00	17.70	0.00	0.00			
5	18-19	Former	2.00	0.59			2.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	618.00	67.54					
5	20-24	Current	265.00	28.96	1.00	0.38			
5	20-24	Former	32.00	3.50			2.66	12.00	37.50

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	526.00	54.91					
5	25-29	Current	320.00	33.40	7.00	2.19			
5	25-29	Former	112.00	11.69			5.14	16.00	14.29

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	493.00	45.90					
5	30-34	Current	378.00	35.20	11.00	2.91			
5	30-34	Former	203.00	18.90			6.32	24.00	11.82

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	469.00	43.31					
5	35-39	Current	360.00	33.24	13.00	3.61			
5	35-39	Former	254.00	23.45			7.70	24.00	9.45

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current	297.00	30.52	23.00	7.74			
5	40-44	Former	270.00	27.75			11.91	16.00	5.93

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current	237.00	27.59	11.00	4.64			
5	45-49	Former	314.00	36.55			13.35	17.00	5.41

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current	198.00	31.43	10.00	5.05			
5	50-54	Former	240.00	38.10			17.47	10.00	4.17

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current	152.00	29.01	13.00	8.55			
5	55-59	Former	217.00	41.41			16.76	10.00	4.61

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current	131.00	25.44	19.00	14.50			
5	60-64	Former	243.00	47.18			18.42	12.00	4.94

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	120.00	24.00					
5	65-69	Current	133.00	26.60	24.00	18.05			
5	65-69	Former	247.00	49.40			22.23	13.00	5.26

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current	88.00	19.64	17.00	19.32			
5	70-74	Former	254.00	56.70			22.55	7.00	2.76

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current	77.00	21.45	13.00	16.88			
5	75-79	Former	214.00	59.61			23.75	10.00	4.67

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4089.00	43.62					
10	All Ages	Current	2668.00	28.46	258.00	9.67			
10	All Ages	Former	2618.00	27.93			16.84	168.00	6.42

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	633.00	70.65					
10	20-24	Current	243.00	27.12	1.00	0.41			
10	20-24	Former	20.00	2.23			2.10	8.00	40.00

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	567.00	61.97					
10	25-29	Current	279.00	30.49	5.00	1.79			
10	25-29	Former	69.00	7.54			4.45	13.00	18.84

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	503.00	52.51					
10	30-34	Current	309.00	32.25	12.00	3.88			
10	30-34	Former	146.00	15.24			8.01	13.00	8.90

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	489.00	45.53					
10	35-39	Current	343.00	31.94	17.00	4.96			
10	35-39	Former	242.00	22.53			9.39	19.00	7.85

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	469.00	43.31					
10	40-44	Current	329.00	30.38	21.00	6.38			
10	40-44	Former	285.00	26.32			11.08	15.00	5.26

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current	275.00	28.26	36.00	13.09			
10	45-49	Former	292.00	30.01			14.68	20.00	6.85

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	308.00	35.86					
10	50-54	Current	225.00	26.19	29.00	12.89			
10	50-54	Former	326.00	37.95			16.58	18.00	5.52

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current	192.00	30.48	20.00	10.42			
10	55-59	Former	246.00	39.05			20.96	8.00	3.25

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current	134.00	25.57	23.00	17.16			
10	60-64	Former	235.00	44.85			19.06	10.00	4.26

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current	120.00	23.30	27.00	22.50			
10	65-69	Former	254.00	49.32			21.03	11.00	4.33

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current	126.00	25.20	35.00	27.78			
10	70-74	Former	254.00	50.80			24.36	18.00	7.09

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current	93.00	20.76	32.00	34.41			
10	75-79	Former	249.00	55.58			25.24	15.00	6.02

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3876.00	43.42					
15	All Ages	Current	2515.00	28.17	333.00	13.24			
15	All Ages	Former	2536.00	28.41			18.25	149.00	5.88

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	563.00	62.83					
15	25-29	Current	281.00	31.36	4.00	1.42			
15	25-29	Former	52.00	5.80			3.56	18.00	34.62

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	536.00	58.58					
15	30-34	Current	289.00	31.58	6.00	2.08			
15	30-34	Former	90.00	9.84			7.51	8.00	8.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	497.00	51.88					
15	35-39	Current	282.00	29.44	19.00	6.74			
15	35-39	Former	179.00	18.68			10.47	19.00	10.61

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	489.00	45.53					
15	40-44	Current	318.00	29.61	24.00	7.55			
15	40-44	Former	267.00	24.86			12.85	16.00	5.99

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	469.00	43.31					
15	45-49	Current	313.00	28.90	35.00	11.18			
15	45-49	Former	301.00	27.79			14.58	13.00	4.32

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current	252.00	25.90	43.00	17.06			
15	50-54	Former	315.00	32.37			17.34	19.00	6.03

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current	227.00	26.43	45.00	19.82			
15	55-59	Former	324.00	37.72			19.98	13.00	4.01

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	192.00	30.48					
15	60-64	Current	176.00	27.94	29.00	16.48			
15	60-64	Former	262.00	41.59			23.06	16.00	6.11
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current	124.00	23.66	33.00	26.61			
15	65-69	Former	245.00	46.76			21.73	10.00	4.08
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current	125.00	24.27	44.00	35.20			
15	70-74	Former	249.00	48.35			23.98	4.00	1.61
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current	128.00	25.60	51.00	39.84			
15	75-79	Former	252.00	50.40			25.65	13.00	5.16
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3708.00	44.00					
20	All Ages	Current	2295.00	27.23	394.00	17.17			
20	All Ages	Former	2424.00	28.76			19.63	118.00	4.87
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	527.00	58.82					
20	30-34	Current	291.00	32.48	5.00	1.72			
20	30-34	Former	78.00	8.71			6.28	11.00	14.10
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	524.00	57.27					
20	35-39	Current	274.00	29.95	10.00	3.65			
20	35-39	Former	117.00	12.79			9.86	10.00	8.55
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	497.00	51.88					
20	40-44	Current	266.00	27.77	25.00	9.40			
20	40-44	Former	195.00	20.35			14.13	8.00	4.10
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	489.00	45.53					
20	45-49	Current	302.00	28.12	36.00	11.92			
20	45-49	Former	283.00	26.35			16.29	5.00	1.77
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	469.00	43.31					
20	50-54	Current	298.00	27.52	48.00	16.11			
20	50-54	Former	316.00	29.18			17.87	16.00	5.06
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current	242.00	24.87	64.00	26.45			
20	55-59	Former	325.00	33.40			20.06	15.00	4.62

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current	217.00	25.26	63.00	29.03			
20	60-64	Former	334.00	38.88			22.04	14.00	4.19

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current	162.00	25.71	40.00	24.69			
20	65-69	Former	276.00	43.81			24.22	18.00	6.52

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current	121.00	23.09	45.00	37.19			
20	70-74	Former	248.00	47.33			23.56	14.00	5.65

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current	122.00	23.69	58.00	47.54			
20	75-79	Former	252.00	48.93			25.90	7.00	2.78

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Main Output for the Smoking History Summarized over Simulations for Run: 5, Scenario: MRTP

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current CC	2550.00	29.83	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current CC	57.00	15.88	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current CC	292.00	30.48	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current CC	403.00	37.52	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current CC	378.00	34.90	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current CC	309.00	31.76	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current CC	273.00	31.78	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current CC	211.00	33.49	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current CC	159.00	30.34	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current CC	130.00	25.24	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current CC	129.00	25.80	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current CC	87.00	19.42	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current CC	79.00	22.01	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current CC	43.00	16.17	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3901.00	42.51					
5	All Ages	Current CC	2502.00	27.26	195.00	7.08			
5	All Ages	Current MRTP	166.00	1.81					
5	All Ages	Current Dual	88.00	0.96					
5	All Ages	Former	2520.00	27.46			15.62	138.00	5.48

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	279.00	82.30					
5	18-19	Current CC	41.00	12.09	0.00	0.00			
5	18-19	Current MRTP	7.00	2.06					
5	18-19	Current Dual	10.00	2.95					
5	18-19	Former	2.00	0.59			1.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	619.00	67.65					
5	20-24	Current CC	239.00	26.12	3.00	1.12			
5	20-24	Current MRTP	14.00	1.53					
5	20-24	Current Dual	14.00	1.53					
5	20-24	Former	29.00	3.17			3.07	7.00	24.14
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	535.00	55.85					
5	25-29	Current CC	281.00	29.33	7.00	2.24			
5	25-29	Current MRTP	22.00	2.30					
5	25-29	Current Dual	9.00	0.94					
5	25-29	Former	111.00	11.59			4.94	20.00	18.02
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	494.00	46.00					
5	30-34	Current CC	361.00	33.61	11.00	2.84			
5	30-34	Current MRTP	18.00	1.68					
5	30-34	Current Dual	9.00	0.84					
5	30-34	Former	192.00	17.88			6.60	19.00	9.90
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	478.00	44.14					
5	35-39	Current CC	340.00	31.39	16.00	4.48			
5	35-39	Current MRTP	15.00	1.39					
5	35-39	Current Dual	2.00	0.18					
5	35-39	Former	248.00	22.90			7.84	19.00	7.66
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current CC	286.00	29.39	19.00	6.25			
5	40-44	Current MRTP	12.00	1.23					
5	40-44	Current Dual	6.00	0.62					
5	40-44	Former	263.00	27.03			12.32	10.00	3.80
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current CC	239.00	27.82	19.00	7.22			
5	45-49	Current MRTP	15.00	1.75					
5	45-49	Current Dual	9.00	1.05					
5	45-49	Former	288.00	33.53			13.92	9.00	3.13
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current CC	196.00	31.11	18.00	8.45			
5	50-54	Current MRTP	10.00	1.59					
5	50-54	Current Dual	7.00	1.11					
5	50-54	Former	225.00	35.71			17.70	7.00	3.11
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current CC	141.00	26.91	17.00	11.04			
5	55-59	Current MRTP	10.00	1.91					
5	55-59	Current Dual	3.00	0.57					
5	55-59	Former	215.00	41.03			16.79	14.00	6.51
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current CC	115.00	22.33	19.00	14.39			
5	60-64	Current MRTP	12.00	2.33					
5	60-64	Current Dual	5.00	0.97					
5	60-64	Former	242.00	46.99			19.04	7.00	2.89
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	120.00	24.00					
5	65-69	Current CC	116.00	23.20	17.00	13.39			
5	65-69	Current MRTP	6.00	1.20					
5	65-69	Current Dual	5.00	1.00					
5	65-69	Former	253.00	50.60			22.08	10.00	3.95
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

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					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current CC	74.00	16.52	28.00	29.79			
5	70-74	Current MRTP	15.00	3.35					
5	70-74	Current Dual	5.00	1.12					
5	70-74	Former	248.00	55.36			22.44	9.00	3.63
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current CC	73.00	20.33	21.00	24.14			
5	75-79	Current MRTP	10.00	2.79					
5	75-79	Current Dual	4.00	1.11					
5	75-79	Former	204.00	56.82			24.12	6.00	2.94
Year of Follow-up: 2000, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4073.00	43.45					
10	All Ages	Current CC	2345.00	25.01	327.00	11.47			
10	All Ages	Current MRTP	306.00	3.26					
10	All Ages	Current Dual	201.00	2.14					
10	All Ages	Former	2450.00	26.13			17.46	150.00	6.12
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	627.00	69.98					
10	20-24	Current CC	171.00	19.08	0.00	0.00			
10	20-24	Current MRTP	36.00	4.02					
10	20-24	Current Dual	43.00	4.80					
10	20-24	Former	19.00	2.12			2.11	8.00	42.11
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	553.00	60.44					
10	25-29	Current CC	244.00	26.67	7.00	2.27			
10	25-29	Current MRTP	28.00	3.06					
10	25-29	Current Dual	36.00	3.93					
10	25-29	Former	54.00	5.90			4.94	14.00	25.93
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	499.00	52.09					
10	30-34	Current CC	253.00	26.41	12.00	3.73			
10	30-34	Current MRTP	45.00	4.70					
10	30-34	Current Dual	24.00	2.51					
10	30-34	Former	137.00	14.30			7.99	12.00	8.76
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	488.00	45.44					
10	35-39	Current CC	332.00	30.91	27.00	7.12			
10	35-39	Current MRTP	30.00	2.79					
10	35-39	Current Dual	17.00	1.58					
10	35-39	Former	207.00	19.27			10.14	13.00	6.28
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	478.00	44.14					
10	40-44	Current CC	293.00	27.05	34.00	10.27			
10	40-44	Current MRTP	28.00	2.59					
10	40-44	Current Dual	10.00	0.92					
10	40-44	Former	274.00	25.30			10.91	23.00	8.39
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current CC	266.00	27.34	28.00	9.56			
10	45-49	Current MRTP	20.00	2.06					
10	45-49	Current Dual	7.00	0.72					
10	45-49	Former	274.00	28.16			16.06	11.00	4.01
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	308.00	35.86					
10	50-54	Current CC	216.00	25.15	44.00	16.73			
10	50-54	Current MRTP	30.00	3.49					
10	50-54	Current Dual	17.00	1.98					
10	50-54	Former	288.00	33.53			17.36	8.00	2.78
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current CC	168.00	26.67	34.00	16.83			
10	55-59	Current MRTP	24.00	3.81					
10	55-59	Current Dual	10.00	1.59					
10	55-59	Former	236.00	37.46			20.49	7.00	2.97
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current CC	126.00	24.05	26.00	17.81			
10	60-64	Current MRTP	13.00	2.48					
10	60-64	Current Dual	7.00	1.34					
10	60-64	Former	223.00	42.56			19.60	10.00	4.48
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current CC	103.00	20.00	33.00	25.00			
10	65-69	Current MRTP	20.00	3.88					
10	65-69	Current Dual	9.00	1.75					
10	65-69	Former	242.00	46.99			21.81	13.00	5.37
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current CC	107.00	21.40	37.00	28.91			
10	70-74	Current MRTP	13.00	2.60					
10	70-74	Current Dual	8.00	1.60					
10	70-74	Former	252.00	50.40			24.42	18.00	7.14
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current CC	66.00	14.73	45.00	45.92			
10	75-79	Current MRTP	19.00	4.24					
10	75-79	Current Dual	13.00	2.90					
10	75-79	Former	244.00	54.46			25.61	13.00	5.33
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3868.00	43.33					
15	All Ages	Current CC	2090.00	23.41	387.00	14.31			
15	All Ages	Current MRTP	400.00	4.48					
15	All Ages	Current Dual	214.00	2.40					
15	All Ages	Former	2355.00	26.38			18.86	133.00	5.65
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	565.00	63.06					
15	25-29	Current CC	180.00	20.09	2.00	0.69			
15	25-29	Current MRTP	58.00	6.47					
15	25-29	Current Dual	52.00	5.80					
15	25-29	Former	41.00	4.58			4.27	9.00	21.95
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	525.00	57.38					

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15	30-34	Current CC	227.00	24.81	13.00	4.19			
15	30-34	Current MRTP	43.00	4.70					
15	30-34	Current Dual	40.00	4.37					
15	30-34	Former	80.00	8.74			6.75	15.00	18.75
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	490.00	51.15					
15	35-39	Current CC	232.00	24.22	23.00	7.40			
15	35-39	Current MRTP	50.00	5.22					
15	35-39	Current Dual	29.00	3.03					
15	35-39	Former	157.00	16.39			10.80	13.00	8.28
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	488.00	45.44					
15	40-44	Current CC	295.00	27.47	34.00	9.74			
15	40-44	Current MRTP	36.00	3.35					
15	40-44	Current Dual	18.00	1.68					
15	40-44	Former	237.00	22.07			12.68	15.00	6.33
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	478.00	44.14					
15	45-49	Current CC	269.00	24.84	52.00	15.85			
15	45-49	Current MRTP	46.00	4.25					
15	45-49	Current Dual	13.00	1.20					
15	45-49	Former	277.00	25.58			14.86	8.00	2.89
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current CC	226.00	23.23	36.00	13.48			
15	50-54	Current MRTP	30.00	3.08					
15	50-54	Current Dual	11.00	1.13					
15	50-54	Former	300.00	30.83			18.55	13.00	4.33
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current CC	191.00	22.24	53.00	21.46			
15	55-59	Current MRTP	40.00	4.66					
15	55-59	Current Dual	16.00	1.86					
15	55-59	Former	304.00	35.39			20.25	18.00	5.92
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	192.00	30.48					
15	60-64	Current CC	157.00	24.92	44.00	22.22			
15	60-64	Current MRTP	29.00	4.60					
15	60-64	Current Dual	12.00	1.90					
15	60-64	Former	240.00	38.10			22.82	13.00	5.42
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current CC	119.00	22.71	36.00	25.17			
15	65-69	Current MRTP	17.00	3.24					
15	65-69	Current Dual	7.00	1.34					
15	65-69	Former	226.00	43.13			22.41	8.00	3.54
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current CC	94.00	18.25	47.00	34.81			
15	70-74	Current MRTP	31.00	6.02					
15	70-74	Current Dual	10.00	1.94					
15	70-74	Former	239.00	46.41			24.75	9.00	3.77
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current CC	100.00	20.00	47.00	37.30			
15	75-79	Current MRTP	20.00	4.00					
15	75-79	Current Dual	6.00	1.20					
15	75-79	Former	254.00	50.80			26.39	12.00	4.72
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3720.00	44.14					
20	All Ages	Current CC	1761.00	20.90	445.00	18.10			

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20	All Ages	Current MRTP	470.00	5.58					
20	All Ages	Current Dual	227.00	2.69					
20	All Ages	Former	2249.00	26.69			19.51	152.00	6.76
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	547.00	61.05					
20	30-34	Current CC	167.00	18.64	6.00	2.17			
20	30-34	Current MRTP	59.00	6.58					
20	30-34	Current Dual	50.00	5.58					
20	30-34	Former	73.00	8.15			5.89	16.00	21.92
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	515.00	56.28					
20	35-39	Current CC	199.00	21.75	17.00	5.74			
20	35-39	Current MRTP	55.00	6.01					
20	35-39	Current Dual	42.00	4.59					
20	35-39	Former	104.00	11.37			8.40	16.00	15.38
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	490.00	51.15					
20	40-44	Current CC	209.00	21.82	28.00	9.46			
20	40-44	Current MRTP	57.00	5.95					
20	40-44	Current Dual	30.00	3.13					
20	40-44	Former	172.00	17.95			13.78	8.00	4.65
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	488.00	45.44					
20	45-49	Current CC	269.00	25.05	40.00	12.23			
20	45-49	Current MRTP	42.00	3.91					
20	45-49	Current Dual	16.00	1.49					
20	45-49	Former	259.00	24.12			15.34	19.00	7.34
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	478.00	44.14					
20	50-54	Current CC	235.00	21.70	64.00	20.85			
20	50-54	Current MRTP	54.00	4.99					
20	50-54	Current Dual	18.00	1.66					
20	50-54	Former	298.00	27.52			17.15	14.00	4.70
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current CC	198.00	20.35	50.00	19.53			
20	55-59	Current MRTP	41.00	4.21					
20	55-59	Current Dual	17.00	1.75					
20	55-59	Former	311.00	31.96			20.99	16.00	5.14
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current CC	173.00	20.14	61.00	25.96			
20	60-64	Current MRTP	48.00	5.59					

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	14.00	1.63					
20	60-64	Former	316.00	36.79			22.12	19.00	6.01

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current CC	130.00	20.63	59.00	31.38			
20	65-69	Current MRTP	42.00	6.67					
20	65-69	Current Dual	16.00	2.54					
20	65-69	Former	250.00	39.68			23.85	17.00	6.80

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current CC	106.00	20.23	56.00	38.10			
20	70-74	Current MRTP	30.00	5.73					
20	70-74	Current Dual	11.00	2.10					
20	70-74	Former	222.00	42.37			24.87	12.00	5.41

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current CC	75.00	14.56	64.00	49.23			
20	75-79	Current MRTP	42.00	8.16					
20	75-79	Current Dual	13.00	2.52					
20	75-79	Former	244.00	47.38			25.06	15.00	6.15

****

Main Results for E-Component Summarized over Simulations for Run: 5

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	317161	125829.961	125829.961	0.000	0.000	0.000	4990.74	1980.02	1980.02	0.000
1991	313217	124132.583	124131.064	1.519	0.000	0.001	4845.61	1920.39	1920.36	0.023
1992	308577	122143.718	122099.832	43.887	0.014	0.036	4692.62	1857.47	1856.81	0.667
1993	311713	123269.216	123138.667	130.549	0.042	0.106	4656.77	1841.55	1839.60	1.950
1994	305700	120480.723	120330.310	150.413	0.049	0.125	4482.57	1766.64	1764.44	2.206
1995	303225	118666.569	118395.676	270.892	0.089	0.228	4361.58	1706.89	1703.00	3.897
1996	299559	116607.195	116270.067	337.127	0.113	0.289	4242.85	1651.58	1646.81	4.775
1997	294226	114665.051	114336.425	328.626	0.112	0.287	4100.64	1598.09	1593.51	4.580
1998	289258	113038.380	112650.290	388.090	0.134	0.343	3966.28	1549.97	1544.65	5.321
1999	311002	117067.463	116560.288	507.175	0.163	0.433	4198.14	1580.27	1573.42	6.846
2000	303786	114977.407	114470.009	507.399	0.167	0.441	4041.13	1529.49	1522.74	6.750
2001	296294	113047.319	112532.028	515.291	0.174	0.456	3890.54	1484.39	1477.62	6.766
2002	291898	111744.742	111130.058	614.684	0.211	0.550	3789.34	1450.64	1442.66	7.980
2003	285865	110551.854	109894.319	657.535	0.230	0.595	3671.31	1419.80	1411.35	8.445
2004	274177	107418.262	106798.532	619.729	0.226	0.577	3481.92	1364.16	1356.29	7.870
2005	272379	107678.770	107074.875	603.895	0.222	0.561	3417.44	1351.01	1343.43	7.577
2006	264118	104357.806	103878.612	479.195	0.181	0.459	3281.83	1296.71	1290.76	5.954
2007	258419	102690.449	102231.594	458.855	0.178	0.447	3176.05	1262.10	1256.46	5.639
2008	259461	103492.166	102894.810	597.356	0.230	0.577	3150.91	1256.82	1249.56	7.254
2009	253907	101384.044	100612.366	771.678	0.304	0.761	3045.20	1215.94	1206.68	9.255

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	5813942	2273243.679	2265259.783	7983.895	0.137	0.351	3927.78	1535.76	1530.36	5.394

****

Main Results for E-Component Summarized over Simulations for Run: 5

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	78822	63444.407	63444.407	0.000	0.000	0.000	1240.32	998.340	998.340	0.000
1991	78462	63068.786	63063.273	5.513	0.007	0.009	1213.84	975.702	975.617	0.085
1992	77987	62535.347	62517.952	17.396	0.022	0.028	1185.97	950.993	950.729	0.265
1993	78542	62883.111	62847.588	35.523	0.045	0.056	1173.36	939.428	938.897	0.531
1994	77437	61805.804	61763.407	42.397	0.055	0.069	1135.48	906.276	905.655	0.622
1995	76904	61145.799	61073.788	72.011	0.094	0.118	1106.18	879.519	878.483	1.036
1996	76232	60385.323	60302.296	83.027	0.109	0.137	1079.72	855.277	854.101	1.176
1997	75473	59549.806	59485.073	64.733	0.086	0.109	1051.87	829.947	829.045	0.902
1998	75381	59292.315	59185.773	106.542	0.141	0.180	1033.62	813.010	811.549	1.461
1999	73159	57398.351	57270.035	128.317	0.175	0.224	987.557	774.807	773.075	1.732
2000	73784	57716.549	57559.797	156.751	0.212	0.272	981.515	767.777	765.692	2.085
2001	73294	57211.877	57038.776	173.102	0.236	0.303	962.399	751.230	748.957	2.273
2002	72442	56438.810	56239.223	199.587	0.276	0.354	940.422	732.673	730.082	2.591
2003	71942	55948.341	55765.696	182.645	0.254	0.326	923.937	718.533	716.188	2.346
2004	71301	55339.218	55161.415	177.803	0.249	0.321	905.490	702.783	700.525	2.258
2005	70964	54964.459	54808.789	155.671	0.219	0.283	890.360	689.620	687.666	1.953
2006	69658	53781.526	53679.715	101.811	0.146	0.189	865.543	668.268	667.003	1.265
2007	68565	52784.985	52701.005	83.979	0.122	0.159	842.687	648.745	647.713	1.032
2008	68226	52470.692	52342.770	127.923	0.187	0.244	828.542	637.208	635.655	1.554
2009	67509	51823.021	51662.010	161.012	0.239	0.311	809.661	621.533	619.602	1.931

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	1476084	1159988.529	1157912.787	2075.742	0.141	0.179	997.213	783.665	782.263	1.402

****

Main Results for E-Component Summarized over Simulations for Run: 5

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	171484	38382.899	38382.899	0.000	0.000	0.000	2698.42	603.981	603.981	0.000
1991	168044	37067.384	37072.495	-5.111	-0.003	-0.014	2599.72	573.449	573.528	-0.079
1992	164548	35863.851	35846.179	17.672	0.011	0.049	2502.33	545.392	545.123	0.269
1993	164362	35459.800	35391.338	68.463	0.042	0.193	2455.45	529.744	528.721	1.023
1994	159866	34293.631	34219.205	74.426	0.047	0.217	2344.16	502.857	501.766	1.091
1995	158083	33531.695	33401.620	130.074	0.082	0.388	2273.86	482.318	480.448	1.871
1996	154875	32438.163	32271.457	166.705	0.108	0.514	2193.60	459.443	457.082	2.361
1997	149970	31179.663	31001.318	178.345	0.119	0.572	2090.14	434.552	432.066	2.486
1998	145407	29860.736	29697.372	163.364	0.112	0.547	1993.81	409.447	407.207	2.240
1999	165952	34413.904	34193.661	220.243	0.133	0.640	2240.15	464.545	461.572	2.973
2000	160260	33265.290	33092.449	172.841	0.108	0.520	2131.87	442.513	440.214	2.299
2001	154444	32074.102	31920.562	153.539	0.099	0.479	2027.95	421.154	419.138	2.016
2002	151887	31817.956	31627.995	189.961	0.125	0.597	1971.76	413.052	410.586	2.466
2003	146733	31025.931	30767.763	258.168	0.176	0.832	1884.46	398.460	395.144	3.316
2004	138381	29503.602	29253.328	250.274	0.181	0.848	1757.38	374.682	371.504	3.178
2005	135881	29077.894	28821.572	256.322	0.189	0.882	1704.85	364.830	361.614	3.216
2006	131922	28385.448	28139.782	245.666	0.186	0.865	1639.21	352.707	349.654	3.053
2007	126502	27327.625	27065.039	262.587	0.208	0.961	1554.75	335.866	332.638	3.227
2008	125859	27025.472	26723.016	302.456	0.240	1.119	1528.44	328.199	324.526	3.673
2009	122428	26361.626	25954.704	406.922	0.332	1.544	1468.33	316.165	311.285	4.880

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	2996888	638356.673	634843.754	3512.919	0.117	0.550	2024.64	431.261	428.888	2.373

****

Main Results for E-Component Summarized over Simulations for Run: 5

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 5 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	32862	4587.597	4587.597	0.000	0.000	0.000	517.106	72.189	72.189	0.000
1991	32619	4487.983	4489.477	-1.495	-0.005	-0.033	504.630	69.431	69.454	-0.023
1992	32100	4371.196	4369.460	1.736	0.005	0.040	488.154	66.474	66.448	0.026
1993	32896	4414.136	4401.699	12.437	0.038	0.282	491.442	65.944	65.758	0.186
1994	33323	4474.895	4457.880	17.016	0.051	0.380	488.625	65.617	65.367	0.250
1995	33569	4476.290	4444.059	32.231	0.096	0.720	482.855	64.387	63.923	0.464
1996	33870	4489.078	4442.052	47.026	0.139	1.048	479.723	63.582	62.916	0.666
1997	33516	4444.866	4382.970	61.896	0.185	1.393	467.113	61.948	61.086	0.863
1998	32795	4313.427	4263.982	49.445	0.151	1.146	449.682	59.145	58.467	0.678
1999	33375	4232.739	4177.641	55.097	0.165	1.302	450.521	57.137	56.393	0.744
2000	33459	4307.577	4268.628	38.949	0.116	0.904	445.090	57.302	56.784	0.518
2001	32275	4136.308	4112.707	23.602	0.073	0.571	423.792	54.312	54.003	0.310
2002	31586	4079.175	4057.400	21.775	0.069	0.534	410.041	52.955	52.672	0.283
2003	30985	4096.221	4055.153	41.068	0.133	1.003	397.934	52.607	52.080	0.527
2004	29884	4034.217	3996.250	37.967	0.127	0.941	379.513	51.233	50.751	0.482
2005	28708	3944.303	3911.191	33.111	0.115	0.839	360.189	49.488	49.072	0.415
2006	28188	3970.169	3929.546	40.624	0.144	1.023	350.253	49.332	48.827	0.505
2007	28026	3957.558	3907.505	50.053	0.179	1.265	344.449	48.640	48.025	0.615
2008	27128	3812.302	3770.460	41.841	0.154	1.098	329.444	46.297	45.789	0.508
2009	27068	3827.467	3761.020	66.447	0.245	1.736	324.637	45.904	45.107	0.797

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	628232	84457.504	83786.676	670.828	0.107	0.794	424.421	57.058	56.605	0.453

****

Main Results for E-Component Summarized over Simulations for Run: 5

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33993	19415.059	19415.059	0.000	0.000	0.000	534.903	305.509	305.509	0.000
1991	34092	19508.431	19505.819	2.612	0.008	0.013	527.418	301.804	301.764	0.040
1992	33942	19373.324	19366.241	7.083	0.021	0.037	516.166	294.616	294.508	0.108
1993	35913	20512.169	20498.043	14.126	0.039	0.069	536.514	306.437	306.226	0.211
1994	35074	19906.392	19889.819	16.574	0.047	0.083	514.300	291.893	291.650	0.243
1995	34669	19512.784	19476.209	36.576	0.105	0.187	498.677	280.671	280.145	0.526
1996	34582	19294.631	19254.262	40.369	0.117	0.209	489.808	273.283	272.711	0.572
1997	35267	19490.717	19467.064	23.653	0.067	0.121	491.517	271.643	271.313	0.330
1998	35675	19571.902	19503.163	68.739	0.193	0.351	489.172	268.368	267.425	0.943
1999	38516	21022.469	20918.951	103.518	0.269	0.492	519.919	283.777	282.380	1.397
2000	36283	19687.992	19549.135	138.857	0.383	0.705	482.656	261.900	260.053	1.847
2001	36281	19625.032	19459.984	165.048	0.455	0.841	476.394	257.690	255.523	2.167
2002	35983	19408.801	19205.440	203.361	0.565	1.048	467.122	251.960	249.320	2.640
2003	36205	19481.360	19305.707	175.653	0.485	0.902	464.974	250.195	247.939	2.256
2004	34611	18541.224	18387.540	153.685	0.444	0.829	439.544	235.465	233.513	1.952
2005	36826	19692.114	19533.323	158.791	0.431	0.806	462.043	247.070	245.078	1.992
2006	34350	18220.663	18129.569	91.094	0.265	0.500	426.820	226.403	225.271	1.132
2007	35326	18620.282	18558.046	62.236	0.176	0.334	434.168	228.849	228.085	0.765
2008	38248	20183.701	20058.564	125.136	0.327	0.620	464.487	245.112	243.593	1.520
2009	36902	19371.930	19234.632	137.298	0.372	0.709	442.580	232.335	230.688	1.647

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	712738	390440.974	388716.567	1724.407	0.242	0.442	481.512	263.774	262.609	1.165

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 6

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.26
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A3
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 6, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 6, Scenario: STP_MRTP

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		F (Females)
3. Assumption Set		APP19A3

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000446	0.000187	0.000062	0.000062
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001338	0.000562	0.000187	0.000187
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001784	0.000749	0.000250	0.000250
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000749	0.000250	0.000250
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000936	0.000312	0.000312
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000936	0.000312	0.000312
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002676	0.001123	0.000374	0.000374
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003122	0.001310	0.000437	0.000437
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003568	0.001498	0.000499	0.000499
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000446	0.000125	0.000125	0.000062
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001338	0.000374	0.000374	0.000187
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001784	0.000499	0.000499	0.000250
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001784	0.000499	0.000499	0.000250
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000624	0.000624	0.000312
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002230	0.000624	0.000624	0.000312
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002676	0.000749	0.000749	0.000374
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003122	0.000874	0.000874	0.000437
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003568	0.000998	0.000998	0.000499

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 6, Scenario: NULL

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		F (Females)
3. Year of start of process		1990
4. Number of simulations		1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current	2058.00	23.75	0.00	0.00			
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current	53.00	16.51	0.00	0.00			
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current	211.00	25.39	0.00	0.00			
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current	290.00	29.03	0.00	0.00			
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current	342.00	30.48	0.00	0.00			
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current	241.00	24.85	0.00	0.00			
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current	206.00	25.40	0.00	0.00			
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current	166.00	26.73	0.00	0.00			
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current	145.00	27.10	0.00	0.00			
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current	110.00	22.54	0.00	0.00			
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current	113.00	21.08	0.00	0.00			
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current	81.00	15.03	0.00	0.00			
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current	55.00	11.32	0.00	0.00			
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current	45.00	11.11	0.00	0.00			
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4861.00	53.54					
5	All Ages	Current	2229.00	24.55	120.00	5.38			
5	All Ages	Former	1990.00	21.92			14.73	120.00	6.03

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	254.00	85.23					
5	18-19	Current	43.00	14.43	0.00	0.00			
5	18-19	Former	1.00	0.34			0.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	550.00	65.17					
5	20-24	Current	259.00	30.69	1.00	0.39			
5	20-24	Former	35.00	4.15			3.23	9.00	25.71

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	449.00	54.03					
5	25-29	Current	251.00	30.20	11.00	4.38			
5	25-29	Former	131.00	15.76			5.64	8.00	6.11

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	520.00	52.05					
5	30-34	Current	299.00	29.93	11.00	3.68			
5	30-34	Former	180.00	18.02			7.79	15.00	8.33

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	559.00	49.82					
5	35-39	Current	328.00	29.23	16.00	4.88			
5	35-39	Former	235.00	20.94			8.29	16.00	6.81

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current	230.00	23.71	19.00	8.26			
5	40-44	Former	243.00	25.05			11.45	17.00	7.00

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current	194.00	23.92	8.00	4.12			
5	45-49	Former	195.00	24.04			11.56	10.00	5.13

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current	154.00	24.80	9.00	5.84			
5	50-54	Former	166.00	26.73			15.46	8.00	4.82

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current	130.00	24.30	5.00	3.85			
5	55-59	Former	153.00	28.60			15.16	7.00	4.58

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current	101.00	20.70	4.00	3.96			
5	60-64	Former	137.00	28.07			20.60	7.00	5.11

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	260.00	48.51					
5	65-69	Current	108.00	20.15	13.00	12.04			
5	65-69	Former	168.00	31.34			21.20	8.00	4.76

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current	76.00	14.10	9.00	11.84			
5	70-74	Former	183.00	33.95			24.28	10.00	5.46

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current	56.00	11.52	14.00	25.00			
5	75-79	Former	163.00	33.54			26.72	4.00	2.45

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4862.00	53.38					
10	All Ages	Current	2212.00	24.28	200.00	9.04			
10	All Ages	Former	2035.00	22.34			15.88	142.00	6.98

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	606.00	74.54					
10	20-24	Current	184.00	22.63	0.00	0.00			
10	20-24	Former	23.00	2.83			1.96	12.00	52.17

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	498.00	59.00					
10	25-29	Current	279.00	33.06	6.00	2.15			
10	25-29	Former	67.00	7.94			4.97	15.00	22.39

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	422.00	50.78					
10	30-34	Current	262.00	31.53	25.00	9.54			
10	30-34	Former	147.00	17.69			8.78	15.00	10.20

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	515.00	51.55					
10	35-39	Current	271.00	27.13	14.00	5.17			
10	35-39	Former	213.00	21.32			10.85	15.00	7.04

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	559.00	49.82					
10	40-44	Current	296.00	26.38	24.00	8.11			
10	40-44	Former	267.00	23.80			11.52	17.00	6.37

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current	208.00	21.44	28.00	13.46			
10	45-49	Former	265.00	27.32			14.52	14.00	5.28

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	422.00	52.03					
10	50-54	Current	183.00	22.56	20.00	10.93			
10	50-54	Former	206.00	25.40			14.78	14.00	6.80

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current	145.00	23.35	15.00	10.34			
10	55-59	Former	175.00	28.18			18.89	8.00	4.57

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current	127.00	23.74	15.00	11.81			
10	60-64	Former	156.00	29.16			18.51	4.00	2.56

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current	92.00	18.85	13.00	14.13			
10	65-69	Former	146.00	29.92			22.28	8.00	5.48

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current	91.00	16.98	16.00	17.58			
10	70-74	Former	185.00	34.51			22.55	9.00	4.86

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current	74.00	13.73	24.00	32.43			
10	75-79	Former	185.00	34.32			25.64	11.00	5.95

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4491.00	52.40					
15	All Ages	Current	2076.00	24.22	277.00	13.34			
15	All Ages	Former	2003.00	23.37			17.29	123.00	6.14

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	549.00	67.53					
15	25-29	Current	223.00	27.43	1.00	0.45			
15	25-29	Former	41.00	5.04			4.46	11.00	26.83

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	473.00	56.04					
15	30-34	Current	277.00	32.82	12.00	4.33			
15	30-34	Former	94.00	11.14			7.35	14.00	14.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	413.00	49.70					
15	35-39	Current	241.00	29.00	28.00	11.62			
15	35-39	Former	177.00	21.30			11.16	13.00	7.34

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	515.00	51.55					
15	40-44	Current	260.00	26.03	32.00	12.31			
15	40-44	Former	224.00	22.42			14.11	14.00	6.25

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	559.00	49.82					
15	45-49	Current	276.00	24.60	38.00	13.77			
15	45-49	Former	287.00	25.58			14.89	12.00	4.18

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current	199.00	20.52	37.00	18.59			
15	50-54	Former	274.00	28.25			17.97	9.00	3.28

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current	168.00	20.72	28.00	16.67			
15	55-59	Former	221.00	27.25			17.53	12.00	5.43

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	301.00	48.47					
15	60-64	Current	133.00	21.42	22.00	16.54			
15	60-64	Former	187.00	30.11			21.34	9.00	4.81

Year of Follow-up: 2005, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current	122.00	22.80	22.00	18.03			
15	65-69	Former	161.00	30.09			21.48	8.00	4.97

Year of Follow-up: 2005, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current	91.00	18.65	29.00	31.87			
15	70-74	Former	147.00	30.12			24.10	9.00	6.12

Year of Follow-up: 2005, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current	86.00	16.04	28.00	32.56			
15	75-79	Former	190.00	35.45			24.03	12.00	6.32

Year of Follow-up: 2010, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4198.00	52.25					
20	All Ages	Current	1870.00	23.28	298.00	15.94			
20	All Ages	Former	1966.00	24.47			18.93	102.00	5.19

Year of Follow-up: 2010, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	525.00	64.58					
20	30-34	Current	222.00	27.31	4.00	1.80			
20	30-34	Former	66.00	8.12			6.38	13.00	19.70

Year of Follow-up: 2010, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	464.00	54.98					
20	35-39	Current	268.00	31.75	14.00	5.22			
20	35-39	Former	112.00	13.27			10.45	11.00	9.82

Year of Follow-up: 2010, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	413.00	49.70					
20	40-44	Current	222.00	26.71	28.00	12.61			
20	40-44	Former	196.00	23.59			14.27	10.00	5.10

Year of Follow-up: 2010, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	515.00	51.55					
20	45-49	Current	240.00	24.02	38.00	15.83			
20	45-49	Former	244.00	24.42			16.90	12.00	4.92

Year of Follow-up: 2010, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	559.00	49.82					
20	50-54	Current	261.00	23.26	50.00	19.16			
20	50-54	Former	302.00	26.92			17.95	9.00	2.98

Year of Follow-up: 2010, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current	180.00	18.56	40.00	22.22			
20	55-59	Former	293.00	30.21			20.76	11.00	3.75

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current	160.00	19.73	39.00	24.38			
20	60-64	Former	229.00	28.24			20.08	10.00	4.37

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current	124.00	19.97	28.00	22.58			
20	65-69	Former	196.00	31.56			23.72	7.00	3.57

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current	115.00	21.50	30.00	26.09			
20	70-74	Former	168.00	31.40			23.68	8.00	4.76

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current	78.00	15.98	27.00	34.62			
20	75-79	Former	160.00	32.79			24.91	11.00	6.88

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Main Output for the Smoking History Summarized over Simulations for Run: 6, Scenario: MRTP

Variable	Parameter	Value
1.	Country	US (United States)
2.	Sex	F (Females)
3.	Year of start of process	1990
4.	Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current CC	2058.00	23.75	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current CC	53.00	16.51	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current CC	211.00	25.39	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current CC	290.00	29.03	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current CC	342.00	30.48	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current CC	241.00	24.85	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current CC	206.00	25.40	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current CC	166.00	26.73	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current CC	145.00	27.10	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current CC	110.00	22.54	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current CC	113.00	21.08	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current CC	81.00	15.03	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current CC	55.00	11.32	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current CC	45.00	11.11	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4886.00	53.81					
5	All Ages	Current CC	2064.00	22.73	166.00	7.29			
5	All Ages	Current MRTP	126.00	1.39					
5	All Ages	Current Dual	87.00	0.96					
5	All Ages	Former	1917.00	21.11			14.79	104.00	5.43

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	253.00	84.90					
5	18-19	Current CC	31.00	10.40	0.00	0.00			
5	18-19	Current MRTP	5.00	1.68					
5	18-19	Current Dual	8.00	2.68					
5	18-19	Former	1.00	0.34			1.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	558.00	66.11					
5	20-24	Current CC	225.00	26.66	4.00	1.53			
5	20-24	Current MRTP	20.00	2.37					
5	20-24	Current Dual	16.00	1.90					
5	20-24	Former	25.00	2.96			2.92	9.00	36.00
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	463.00	55.72					
5	25-29	Current CC	208.00	25.03	11.00	4.72			
5	25-29	Current MRTP	15.00	1.81					
5	25-29	Current Dual	10.00	1.20					
5	25-29	Former	135.00	16.25			5.46	11.00	8.15
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	522.00	52.25					
5	30-34	Current CC	284.00	28.43	17.00	5.59			
5	30-34	Current MRTP	9.00	0.90					
5	30-34	Current Dual	11.00	1.10					
5	30-34	Former	173.00	17.32			7.91	11.00	6.36
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	561.00	50.00					
5	35-39	Current CC	306.00	27.27	13.00	3.94			
5	35-39	Current MRTP	16.00	1.43					
5	35-39	Current Dual	8.00	0.71					
5	35-39	Former	231.00	20.59			8.47	15.00	6.49
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current CC	217.00	22.37	14.00	6.14			
5	40-44	Current MRTP	8.00	0.82					
5	40-44	Current Dual	3.00	0.31					
5	40-44	Former	245.00	25.26			11.76	12.00	4.90
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current CC	178.00	21.95	14.00	7.22			
5	45-49	Current MRTP	10.00	1.23					
5	45-49	Current Dual	6.00	0.74					
5	45-49	Former	195.00	24.04			11.37	12.00	6.15
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current CC	149.00	23.99	13.00	8.18			
5	50-54	Current MRTP	5.00	0.81					
5	50-54	Current Dual	5.00	0.81					
5	50-54	Former	161.00	25.93			15.36	11.00	6.83
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current CC	123.00	22.99	8.00	6.06			
5	55-59	Current MRTP	6.00	1.12					
5	55-59	Current Dual	3.00	0.56					
5	55-59	Former	151.00	28.22			15.40	4.00	2.65
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current CC	103.00	21.11	10.00	8.93			
5	60-64	Current MRTP	6.00	1.23					
5	60-64	Current Dual	3.00	0.61					
5	60-64	Former	126.00	25.82			21.49	3.00	2.38
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	260.00	48.51					
5	65-69	Current CC	109.00	20.34	24.00	19.35			
5	65-69	Current MRTP	10.00	1.87					
5	65-69	Current Dual	5.00	0.93					
5	65-69	Former	152.00	28.36			21.12	6.00	3.95
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current CC	79.00	14.66	18.00	20.22			
5	70-74	Current MRTP	7.00	1.30					
5	70-74	Current Dual	3.00	0.56					
5	70-74	Former	170.00	31.54			24.65	6.00	3.53

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current CC	52.00	10.70	20.00	29.85			
5	75-79	Current MRTP	9.00	1.85					
5	75-79	Current Dual	6.00	1.23					
5	75-79	Former	152.00	31.28			27.74	3.00	1.97

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4898.00	53.77					
10	All Ages	Current CC	1929.00	21.18	260.00	11.19			
10	All Ages	Current MRTP	247.00	2.71					
10	All Ages	Current Dual	147.00	1.61					
10	All Ages	Former	1888.00	20.73			16.26	110.00	5.83

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	601.00	73.92					
10	20-24	Current CC	138.00	16.97	0.00	0.00			
10	20-24	Current MRTP	28.00	3.44					
10	20-24	Current Dual	28.00	3.44					
10	20-24	Former	18.00	2.21			2.50	6.00	33.33

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	523.00	61.97					
10	25-29	Current CC	215.00	25.47	8.00	2.91			
10	25-29	Current MRTP	32.00	3.79					
10	25-29	Current Dual	28.00	3.32					
10	25-29	Former	46.00	5.45			4.74	12.00	26.09

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	441.00	53.07					
10	30-34	Current CC	190.00	22.86	16.00	6.87			
10	30-34	Current MRTP	28.00	3.37					
10	30-34	Current Dual	15.00	1.81					
10	30-34	Former	157.00	18.89			8.92	11.00	7.01

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	510.00	51.05					
10	35-39	Current CC	262.00	26.23	34.00	11.00			
10	35-39	Current MRTP	27.00	2.70					
10	35-39	Current Dual	20.00	2.00					
10	35-39	Former	180.00	18.02			11.38	7.00	3.89

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	561.00	50.00					
10	40-44	Current CC	269.00	23.98	27.00	8.91			
10	40-44	Current MRTP	24.00	2.14					
10	40-44	Current Dual	10.00	0.89					
10	40-44	Former	258.00	22.99			11.37	18.00	6.98

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current CC	192.00	19.79	26.00	11.76			
10	45-49	Current MRTP	22.00	2.27					
10	45-49	Current Dual	7.00	0.72					
10	45-49	Former	252.00	25.98			15.50	9.00	3.57

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	422.00	52.03					
10	50-54	Current CC	165.00	20.35	28.00	14.74			
10	50-54	Current MRTP	16.00	1.97					
10	50-54	Current Dual	9.00	1.11					
10	50-54	Former	199.00	24.54			14.96	9.00	4.52
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current CC	133.00	21.42	23.00	14.84			
10	55-59	Current MRTP	13.00	2.09					
10	55-59	Current Dual	9.00	1.45					
10	55-59	Former	165.00	26.57			18.44	6.00	3.64
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current CC	112.00	20.93	17.00	13.18			
10	60-64	Current MRTP	15.00	2.80					
10	60-64	Current Dual	2.00	0.37					
10	60-64	Former	154.00	28.79			18.70	5.00	3.25
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current CC	92.00	18.85	14.00	13.46			
10	65-69	Current MRTP	9.00	1.84					
10	65-69	Current Dual	3.00	0.61					
10	65-69	Former	134.00	27.46			23.66	4.00	2.99
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current CC	89.00	16.60	30.00	26.09			
10	70-74	Current MRTP	17.00	3.17					
10	70-74	Current Dual	9.00	1.68					
10	70-74	Former	161.00	30.04			23.09	10.00	6.21
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current CC	72.00	13.36	37.00	38.95			
10	75-79	Current MRTP	16.00	2.97					
10	75-79	Current Dual	7.00	1.30					
10	75-79	Former	164.00	30.43			26.55	13.00	7.93
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4523.00	52.78					
15	All Ages	Current CC	1646.00	19.21	331.00	15.27			
15	All Ages	Current MRTP	330.00	3.85					
15	All Ages	Current Dual	191.00	2.23					
15	All Ages	Former	1880.00	21.94			17.15	133.00	7.07
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	546.00	67.16					
15	25-29	Current CC	145.00	17.84	3.00	1.30			
15	25-29	Current MRTP	46.00	5.66					
15	25-29	Current Dual	40.00	4.92					
15	25-29	Former	36.00	4.43			3.89	14.00	38.89
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	490.00	58.06					

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15	30-34	Current CC	195.00	23.10	10.00	3.57			
15	30-34	Current MRTP	54.00	6.40					
15	30-34	Current Dual	31.00	3.67					
15	30-34	Former	74.00	8.77			6.12	16.00	21.62
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	434.00	52.23					
15	35-39	Current CC	167.00	20.10	30.00	13.57			
15	35-39	Current MRTP	35.00	4.21					
15	35-39	Current Dual	19.00	2.29					
15	35-39	Former	176.00	21.18			11.89	8.00	4.55
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	510.00	51.05					
15	40-44	Current CC	229.00	22.92	47.00	15.99			
15	40-44	Current MRTP	38.00	3.80					
15	40-44	Current Dual	27.00	2.70					
15	40-44	Former	195.00	19.52			13.98	12.00	6.15
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	561.00	50.00					
15	45-49	Current CC	237.00	21.12	35.00	12.20			
15	45-49	Current MRTP	36.00	3.21					
15	45-49	Current Dual	14.00	1.25					
15	45-49	Former	274.00	24.42			14.77	13.00	4.74
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current CC	167.00	17.22	41.00	19.52			
15	50-54	Current MRTP	30.00	3.09					
15	50-54	Current Dual	13.00	1.34					
15	50-54	Former	263.00	27.11			18.21	13.00	4.94
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current CC	145.00	17.88	38.00	21.35			
15	55-59	Current MRTP	18.00	2.22					
15	55-59	Current Dual	15.00	1.85					
15	55-59	Former	211.00	26.02			17.59	15.00	7.11
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	301.00	48.47					
15	60-64	Current CC	110.00	17.71	30.00	21.13			
15	60-64	Current MRTP	19.00	3.06					
15	60-64	Current Dual	13.00	2.09					
15	60-64	Former	178.00	28.66			20.16	9.00	5.06
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current CC	101.00	18.88	33.00	26.61			
15	65-69	Current MRTP	16.00	2.99					
15	65-69	Current Dual	7.00	1.31					
15	65-69	Former	159.00	29.72			20.59	9.00	5.66
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current CC	75.00	15.37	26.00	27.08			
15	70-74	Current MRTP	16.00	3.28					
15	70-74	Current Dual	5.00	1.02					
15	70-74	Former	142.00	29.10			23.55	10.00	7.04
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current CC	75.00	13.99	38.00	36.54			
15	75-79	Current MRTP	22.00	4.10					
15	75-79	Current Dual	7.00	1.31					
15	75-79	Former	172.00	32.09			23.72	14.00	8.14
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4226.00	52.60					
20	All Ages	Current CC	1409.00	17.54	363.00	18.62			

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20	All Ages	Current MRTP	341.00	4.24					
20	All Ages	Current Dual	199.00	2.48					
20	All Ages	Former	1859.00	23.14			18.54	120.00	6.46

Year of Follow-up: 2010, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	521.00	64.08					
20	30-34	Current CC	141.00	17.34	5.00	2.16			
20	30-34	Current MRTP	51.00	6.27					
20	30-34	Current Dual	39.00	4.80					
20	30-34	Former	61.00	7.50			5.52	13.00	21.31

Year of Follow-up: 2010, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	478.00	56.64					
20	35-39	Current CC	170.00	20.14	15.00	5.68			
20	35-39	Current MRTP	59.00	6.99					
20	35-39	Current Dual	35.00	4.15					
20	35-39	Former	102.00	12.09			8.02	16.00	15.69

Year of Follow-up: 2010, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	434.00	52.23					
20	40-44	Current CC	147.00	17.69	34.00	16.83			
20	40-44	Current MRTP	37.00	4.45					
20	40-44	Current Dual	18.00	2.17					
20	40-44	Former	195.00	23.47			14.91	6.00	3.08

Year of Follow-up: 2010, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	510.00	51.05					
20	45-49	Current CC	212.00	21.22	50.00	18.12			
20	45-49	Current MRTP	36.00	3.60					
20	45-49	Current Dual	28.00	2.80					
20	45-49	Former	213.00	21.32			16.61	10.00	4.69

Year of Follow-up: 2010, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	561.00	50.00					
20	50-54	Current CC	210.00	18.72	45.00	16.92			
20	50-54	Current MRTP	40.00	3.57					
20	50-54	Current Dual	16.00	1.43					
20	50-54	Former	295.00	26.29			17.54	15.00	5.08

Year of Follow-up: 2010, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current CC	147.00	15.15	49.00	25.13			
20	55-59	Current MRTP	32.00	3.30					
20	55-59	Current Dual	16.00	1.65					
20	55-59	Former	278.00	28.66			20.46	12.00	4.32

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current CC	125.00	15.41	54.00	31.03			
20	60-64	Current MRTP	28.00	3.45					

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	21.00	2.59					
20	60-64	Former	215.00	26.51			20.46	12.00	5.58

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current CC	98.00	15.78	35.00	26.32			
20	65-69	Current MRTP	22.00	3.54					
20	65-69	Current Dual	13.00	2.09					
20	65-69	Former	187.00	30.11			22.78	10.00	5.35

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current CC	89.00	16.64	41.00	34.75			
20	70-74	Current MRTP	21.00	3.93					
20	70-74	Current Dual	8.00	1.50					
20	70-74	Former	165.00	30.84			23.01	12.00	7.27

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current CC	70.00	14.34	35.00	38.89			
20	75-79	Current MRTP	15.00	3.07					
20	75-79	Current Dual	5.00	1.02					
20	75-79	Former	148.00	30.33			23.95	14.00	9.46

****

Main Results for E-Component Summarized over Simulations for Run: 6

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	199848	57300.589	57300.589	0.000	0.000	0.000	2876.55	824.768	824.768	0.000
1991	199162	59127.861	59152.451	-24.590	-0.012	-0.042	2826.86	839.248	839.597	-0.349
1992	198532	60226.142	60304.913	-78.770	-0.040	-0.131	2778.64	842.922	844.025	-1.102
1993	202512	62332.320	62464.573	-132.253	-0.065	-0.212	2793.47	859.818	861.642	-1.824
1994	200658	62691.239	62889.858	-198.619	-0.099	-0.317	2725.82	851.622	854.320	-2.698
1995	201023	63132.954	63396.765	-263.811	-0.131	-0.418	2687.54	844.043	847.570	-3.527
1996	201180	64309.880	64751.150	-441.269	-0.219	-0.686	2653.67	848.280	854.101	-5.821
1997	198639	64547.894	65106.157	-558.263	-0.281	-0.865	2583.39	839.475	846.735	-7.260
1998	197573	65384.866	65918.698	-533.832	-0.270	-0.816	2533.29	838.367	845.212	-6.845
1999	211329	67554.762	68127.443	-572.681	-0.271	-0.848	2673.14	854.513	861.757	-7.244
2000	208496	68184.366	68720.224	-535.858	-0.257	-0.786	2604.20	851.652	858.345	-6.693
2001	203606	68286.060	68738.006	-451.946	-0.222	-0.662	2514.65	843.372	848.954	-5.582
2002	200828	68983.996	69528.113	-544.117	-0.271	-0.789	2455.47	843.450	850.103	-6.653
2003	196352	68717.830	69139.370	-421.540	-0.215	-0.613	2377.49	832.057	837.162	-5.104
2004	188160	67344.952	67539.936	-194.985	-0.104	-0.290	2254.66	806.974	809.310	-2.336
2005	186416	67846.650	67955.389	-108.739	-0.058	-0.160	2208.07	803.634	804.922	-1.288
2006	180088	66622.465	66337.734	284.731	0.158	0.427	2113.55	781.893	778.552	3.342
2007	175644	65977.201	65641.352	335.849	0.191	0.509	2039.92	766.256	762.356	3.901
2008	177570	67121.344	66732.624	388.720	0.219	0.579	2039.03	770.751	766.287	4.464
2009	172806	66622.993	66003.623	619.370	0.358	0.930	1961.22	756.123	749.093	7.029

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	3900422	1302316.365	1305748.967	-3432.60	-0.088	-0.264	2465.77	823.300	825.470	-2.170

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Main Results for E-Component Summarized over Simulations for Run: 6

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	42690	30645.370	30645.370	0.000	0.000	0.000	614.467	441.100	441.100	0.000
1991	43692	31530.019	31533.922	-3.903	-0.009	-0.012	620.154	447.530	447.585	-0.055
1992	45423	32811.446	32831.100	-19.653	-0.043	-0.060	635.738	459.227	459.503	-0.275
1993	46291	33467.735	33504.815	-37.080	-0.080	-0.111	638.542	461.657	462.168	-0.511
1994	47017	33989.389	34048.724	-59.335	-0.126	-0.175	638.697	461.725	462.531	-0.806
1995	47840	34566.580	34648.054	-81.474	-0.170	-0.236	639.587	462.131	463.220	-1.089
1996	48244	34997.958	35138.699	-140.742	-0.292	-0.402	636.363	461.641	463.497	-1.856
1997	49035	35549.658	35730.266	-180.609	-0.368	-0.508	637.723	462.340	464.689	-2.349
1998	49686	36138.033	36311.110	-173.077	-0.348	-0.479	637.076	463.363	465.582	-2.219
1999	48883	35506.142	35689.239	-183.097	-0.375	-0.516	618.331	449.124	451.440	-2.316
2000	50331	36573.306	36747.337	-174.030	-0.346	-0.476	628.656	456.816	458.990	-2.174
2001	50389	36733.445	36889.031	-155.586	-0.309	-0.424	622.333	453.679	455.601	-1.922
2002	51445	37627.700	37804.468	-176.768	-0.344	-0.470	629.005	460.065	462.226	-2.161
2003	51408	37552.784	37691.999	-139.215	-0.271	-0.371	622.464	454.701	456.387	-1.686
2004	51399	37527.823	37605.058	-77.235	-0.150	-0.206	615.898	449.684	450.610	-0.925
2005	51421	37486.186	37547.367	-61.181	-0.119	-0.163	609.074	444.018	444.743	-0.725
2006	51355	37409.496	37339.193	70.303	0.137	0.188	602.712	439.045	438.220	0.825
2007	51839	37602.867	37524.159	78.708	0.152	0.209	602.056	436.718	435.804	0.914
2008	50976	36986.957	36901.724	85.233	0.167	0.230	585.355	424.719	423.741	0.979
2009	51193	37201.944	37032.878	169.067	0.330	0.454	581.003	422.215	420.296	1.919

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	980557	711904.839	713164.513	-1259.67	-0.128	-0.177	619.890	450.053	450.849	-0.796

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Main Results for E-Component Summarized over Simulations for Run: 6

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	98916	12646.761	12646.761	0.000	0.000	0.000	1423.77	182.034	182.034	0.000
1991	96403	12662.980	12677.956	-14.976	-0.016	-0.118	1368.32	179.735	179.948	-0.213
1992	93721	12337.995	12371.112	-33.117	-0.035	-0.268	1311.71	172.682	173.146	-0.464
1993	93679	12401.934	12448.821	-46.887	-0.050	-0.378	1292.22	171.073	171.720	-0.647
1994	90832	12128.576	12193.373	-64.798	-0.071	-0.534	1233.90	164.759	165.640	-0.880
1995	89698	11958.696	12045.863	-87.167	-0.097	-0.729	1199.20	159.879	161.045	-1.165
1996	88286	12020.749	12150.397	-129.648	-0.147	-1.079	1164.54	158.560	160.270	-1.710
1997	84777	11593.724	11751.257	-157.534	-0.186	-1.359	1102.56	150.782	152.830	-2.049
1998	82517	11337.035	11483.468	-146.434	-0.177	-1.292	1058.04	145.364	147.241	-1.878
1999	93939	13027.458	13176.010	-148.553	-0.158	-1.140	1188.25	164.787	166.666	-1.879
2000	90039	12607.547	12756.239	-148.692	-0.165	-1.179	1124.63	157.474	159.331	-1.857
2001	86119	12350.451	12447.878	-97.427	-0.113	-0.789	1063.62	152.535	153.738	-1.203
2002	83014	12112.097	12240.581	-128.485	-0.155	-1.061	1014.99	148.092	149.663	-1.571
2003	79302	11683.252	11774.235	-90.983	-0.115	-0.779	960.214	141.465	142.566	-1.102
2004	73861	11139.095	11143.538	-4.443	-0.006	-0.040	885.053	133.476	133.530	-0.053
2005	71649	10884.683	10861.578	23.105	0.032	0.212	848.672	128.927	128.654	0.274
2006	67551	10397.565	10264.765	132.800	0.197	1.277	792.791	122.028	120.469	1.559
2007	63503	9785.831	9614.952	170.879	0.269	1.746	737.521	113.652	111.668	1.985
2008	63171	9922.524	9726.109	196.415	0.311	1.979	725.389	113.940	111.684	2.255
2009	59747	9483.598	9227.519	256.078	0.429	2.700	678.085	107.632	104.726	2.906

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	1650724	232482.549	233002.415	-519.865	-0.031	-0.224	1043.56	146.971	147.300	-0.329

****

Main Results for E-Component Summarized over Simulations for Run: 6

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 6 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33504	3193.244	3193.244	0.000	0.000	0.000	482.247	45.963	45.963	0.000
1991	32505	3116.016	3120.414	-4.399	-0.014	-0.141	461.369	44.228	44.290	-0.062
1992	32560	3095.448	3108.964	-13.516	-0.042	-0.437	455.708	43.324	43.513	-0.189
1993	32768	3114.516	3131.699	-17.182	-0.052	-0.552	452.005	42.962	43.199	-0.237
1994	33005	3168.398	3192.409	-24.011	-0.073	-0.758	448.353	43.041	43.367	-0.326
1995	33730	3200.274	3230.517	-30.243	-0.090	-0.945	450.946	42.785	43.190	-0.404
1996	33750	3234.738	3274.850	-40.112	-0.119	-1.240	445.180	42.668	43.197	-0.529
1997	33699	3240.665	3298.816	-58.152	-0.173	-1.794	438.271	42.146	42.903	-0.756
1998	33274	3171.578	3225.908	-54.330	-0.163	-1.713	426.640	40.666	41.363	-0.697
1999	33891	3153.786	3198.058	-44.271	-0.131	-1.404	428.694	39.893	40.453	-0.560
2000	33827	3237.043	3276.137	-39.094	-0.116	-1.208	422.514	40.432	40.920	-0.488
2001	32506	3110.972	3131.721	-20.749	-0.064	-0.667	401.468	38.422	38.679	-0.256
2002	32078	3123.298	3149.798	-26.501	-0.083	-0.848	392.210	38.188	38.512	-0.324
2003	30568	3025.984	3039.118	-13.134	-0.043	-0.434	370.127	36.640	36.799	-0.159
2004	29388	2983.453	2970.402	13.052	0.044	0.437	352.147	35.750	35.593	0.156
2005	27954	2926.679	2899.172	27.507	0.098	0.940	331.111	34.666	34.340	0.326
2006	27201	2889.308	2832.275	57.033	0.210	1.974	319.236	33.909	33.240	0.669
2007	26302	2810.025	2740.423	69.603	0.265	2.477	305.470	32.636	31.827	0.808
2008	25998	2773.025	2699.261	73.763	0.284	2.660	298.534	31.843	30.995	0.847
2009	25040	2723.293	2628.376	94.917	0.379	3.485	284.186	30.907	29.830	1.077

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	623548	61291.743	61341.562	-49.819	-0.008	-0.081	394.195	38.747	38.779	-0.031

****

Main Results for E-Component Summarized over Simulations for Run: 6

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	24738	10815.214	10815.214	0.000	0.000	0.000	356.071	155.671	155.671	0.000
1991	26562	11818.847	11820.159	-1.311	-0.005	-0.011	377.015	167.754	167.773	-0.019
1992	26828	11981.252	11993.736	-12.484	-0.047	-0.104	375.483	167.689	167.864	-0.175
1993	29774	13348.134	13379.238	-31.104	-0.104	-0.233	410.705	184.125	184.554	-0.429
1994	29804	13404.876	13455.351	-50.475	-0.169	-0.377	404.869	182.097	182.783	-0.686
1995	29755	13407.404	13472.331	-64.927	-0.218	-0.484	397.803	179.248	180.116	-0.868
1996	30900	14056.435	14187.203	-130.768	-0.423	-0.930	407.587	185.412	187.136	-1.725
1997	31128	14163.848	14325.817	-161.969	-0.520	-1.144	404.834	184.207	186.314	-2.106
1998	32096	14738.220	14898.212	-159.991	-0.498	-1.086	411.536	188.974	191.025	-2.051
1999	34616	15867.376	16064.136	-196.760	-0.568	-1.240	437.865	200.710	203.198	-2.489
2000	34299	15766.470	15940.511	-174.042	-0.507	-1.104	428.409	196.930	199.104	-2.174
2001	34592	16091.193	16269.377	-178.184	-0.515	-1.107	427.231	198.736	200.936	-2.201
2002	34291	16120.902	16333.265	-212.363	-0.619	-1.317	419.268	197.106	199.703	-2.597
2003	35074	16455.810	16634.018	-178.208	-0.508	-1.083	424.687	199.252	201.410	-2.158
2004	33512	15694.580	15820.939	-126.359	-0.377	-0.805	401.564	188.063	189.577	-1.514
2005	35392	16549.102	16647.272	-98.170	-0.277	-0.593	419.213	196.022	197.185	-1.163
2006	33981	15926.096	15901.501	24.595	0.072	0.154	398.807	186.912	186.623	0.289
2007	34000	15778.477	15761.818	16.659	0.049	0.106	394.875	183.251	183.057	0.193
2008	37425	17438.838	17405.529	33.309	0.089	0.191	429.749	200.249	199.867	0.382
2009	36826	17214.158	17114.850	99.308	0.270	0.577	417.948	195.368	194.241	1.127

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	645593	296637.233	298240.477	-1603.24	-0.248	-0.540	408.132	187.528	188.542	-1.014

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 7

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.48
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A4
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 7, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 7, Scenario: STP_MRTP

Variable	**Parameter**	**Value**
1. Country		US (United States)
2. Sex		M (Males)
3. Assumption Set		APP19A4

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000428	0.000202	0.000067	0.000067
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001284	0.000605	0.000202	0.000202
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001712	0.000806	0.000269	0.000269
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.001008	0.000336	0.000336
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.001008	0.000336	0.000336
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002568	0.001210	0.000403	0.000403
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002996	0.001411	0.000470	0.000470
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003424	0.001613	0.000538	0.000538
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000428	0.000134	0.000134	0.000067
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001284	0.000403	0.000403	0.000202
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001712	0.000538	0.000538	0.000269
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.000672	0.000672	0.000336
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.000672	0.000672	0.000336
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002568	0.000806	0.000806	0.000403
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002996	0.000941	0.000941	0.000470
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003424	0.001075	0.001075	0.000538

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 7, Scenario: NULL

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		M (Males)
3. Year of start of process		1990
4. Number of simulations		1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current	2550.00	29.83	0.00	0.00			
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current	57.00	15.88	0.00	0.00			
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current	292.00	30.48	0.00	0.00			
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current	403.00	37.52	0.00	0.00			
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current	378.00	34.90	0.00	0.00			
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current	309.00	31.76	0.00	0.00			
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current	273.00	31.78	0.00	0.00			
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current	211.00	33.49	0.00	0.00			
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current	159.00	30.34	0.00	0.00			
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current	130.00	25.24	0.00	0.00			
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current	129.00	25.80	0.00	0.00			
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current	87.00	19.42	0.00	0.00			
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current	79.00	22.01	0.00	0.00			
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current	43.00	16.17	0.00	0.00			
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3879.00	42.27					
5	All Ages	Current	2696.00	29.38	162.00	6.01			
5	All Ages	Former	2602.00	28.35			15.34	172.00	6.61

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	277.00	81.71					
5	18-19	Current	60.00	17.70	0.00	0.00			
5	18-19	Former	2.00	0.59			2.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	618.00	67.54					
5	20-24	Current	265.00	28.96	1.00	0.38			
5	20-24	Former	32.00	3.50			2.66	12.00	37.50

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	526.00	54.91					
5	25-29	Current	320.00	33.40	7.00	2.19			
5	25-29	Former	112.00	11.69			5.14	16.00	14.29

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	493.00	45.90					
5	30-34	Current	378.00	35.20	11.00	2.91			
5	30-34	Former	203.00	18.90			6.32	24.00	11.82

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	469.00	43.31					
5	35-39	Current	360.00	33.24	13.00	3.61			
5	35-39	Former	254.00	23.45			7.70	24.00	9.45

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current	297.00	30.52	23.00	7.74			
5	40-44	Former	270.00	27.75			11.91	16.00	5.93

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current	237.00	27.59	11.00	4.64			
5	45-49	Former	314.00	36.55			13.35	17.00	5.41

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current	198.00	31.43	10.00	5.05			
5	50-54	Former	240.00	38.10			17.47	10.00	4.17

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current	152.00	29.01	13.00	8.55			
5	55-59	Former	217.00	41.41			16.76	10.00	4.61

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current	131.00	25.44	19.00	14.50			
5	60-64	Former	243.00	47.18			18.42	12.00	4.94

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	120.00	24.00					
5	65-69	Current	133.00	26.60	24.00	18.05			
5	65-69	Former	247.00	49.40			22.23	13.00	5.26

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current	88.00	19.64	17.00	19.32			
5	70-74	Former	254.00	56.70			22.55	7.00	2.76

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current	77.00	21.45	13.00	16.88			
5	75-79	Former	214.00	59.61			23.75	10.00	4.67

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4089.00	43.62					
10	All Ages	Current	2668.00	28.46	258.00	9.67			
10	All Ages	Former	2618.00	27.93			16.84	168.00	6.42

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	633.00	70.65					
10	20-24	Current	243.00	27.12	1.00	0.41			
10	20-24	Former	20.00	2.23			2.10	8.00	40.00

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	567.00	61.97					
10	25-29	Current	279.00	30.49	5.00	1.79			
10	25-29	Former	69.00	7.54			4.45	13.00	18.84

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	503.00	52.51					
10	30-34	Current	309.00	32.25	12.00	3.88			
10	30-34	Former	146.00	15.24			8.01	13.00	8.90

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	489.00	45.53					
10	35-39	Current	343.00	31.94	17.00	4.96			
10	35-39	Former	242.00	22.53			9.39	19.00	7.85

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	469.00	43.31					
10	40-44	Current	329.00	30.38	21.00	6.38			
10	40-44	Former	285.00	26.32			11.08	15.00	5.26

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current	275.00	28.26	36.00	13.09			
10	45-49	Former	292.00	30.01			14.68	20.00	6.85

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	308.00	35.86					
10	50-54	Current	225.00	26.19	29.00	12.89			
10	50-54	Former	326.00	37.95			16.58	18.00	5.52

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current	192.00	30.48	20.00	10.42			
10	55-59	Former	246.00	39.05			20.96	8.00	3.25

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current	134.00	25.57	23.00	17.16			
10	60-64	Former	235.00	44.85			19.06	10.00	4.26

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current	120.00	23.30	27.00	22.50			
10	65-69	Former	254.00	49.32			21.03	11.00	4.33

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current	126.00	25.20	35.00	27.78			
10	70-74	Former	254.00	50.80			24.36	18.00	7.09

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current	93.00	20.76	32.00	34.41			
10	75-79	Former	249.00	55.58			25.24	15.00	6.02

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3876.00	43.42					
15	All Ages	Current	2515.00	28.17	333.00	13.24			
15	All Ages	Former	2536.00	28.41			18.25	149.00	5.88

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	563.00	62.83					
15	25-29	Current	281.00	31.36	4.00	1.42			
15	25-29	Former	52.00	5.80			3.56	18.00	34.62

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	536.00	58.58					
15	30-34	Current	289.00	31.58	6.00	2.08			
15	30-34	Former	90.00	9.84			7.51	8.00	8.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	497.00	51.88					
15	35-39	Current	282.00	29.44	19.00	6.74			
15	35-39	Former	179.00	18.68			10.47	19.00	10.61

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	489.00	45.53					
15	40-44	Current	318.00	29.61	24.00	7.55			
15	40-44	Former	267.00	24.86			12.85	16.00	5.99

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	469.00	43.31					
15	45-49	Current	313.00	28.90	35.00	11.18			
15	45-49	Former	301.00	27.79			14.58	13.00	4.32

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current	252.00	25.90	43.00	17.06			
15	50-54	Former	315.00	32.37			17.34	19.00	6.03

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current	227.00	26.43	45.00	19.82			
15	55-59	Former	324.00	37.72			19.98	13.00	4.01

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	192.00	30.48					
15	60-64	Current	176.00	27.94	29.00	16.48			
15	60-64	Former	262.00	41.59			23.06	16.00	6.11
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current	124.00	23.66	33.00	26.61			
15	65-69	Former	245.00	46.76			21.73	10.00	4.08
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current	125.00	24.27	44.00	35.20			
15	70-74	Former	249.00	48.35			23.98	4.00	1.61
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current	128.00	25.60	51.00	39.84			
15	75-79	Former	252.00	50.40			25.65	13.00	5.16
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3708.00	44.00					
20	All Ages	Current	2295.00	27.23	394.00	17.17			
20	All Ages	Former	2424.00	28.76			19.63	118.00	4.87
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	527.00	58.82					
20	30-34	Current	291.00	32.48	5.00	1.72			
20	30-34	Former	78.00	8.71			6.28	11.00	14.10
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	524.00	57.27					
20	35-39	Current	274.00	29.95	10.00	3.65			
20	35-39	Former	117.00	12.79			9.86	10.00	8.55
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	497.00	51.88					
20	40-44	Current	266.00	27.77	25.00	9.40			
20	40-44	Former	195.00	20.35			14.13	8.00	4.10
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	489.00	45.53					
20	45-49	Current	302.00	28.12	36.00	11.92			
20	45-49	Former	283.00	26.35			16.29	5.00	1.77
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	469.00	43.31					
20	50-54	Current	298.00	27.52	48.00	16.11			
20	50-54	Former	316.00	29.18			17.87	16.00	5.06
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current	242.00	24.87	64.00	26.45			
20	55-59	Former	325.00	33.40			20.06	15.00	4.62

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current	217.00	25.26	63.00	29.03			
20	60-64	Former	334.00	38.88			22.04	14.00	4.19

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current	162.00	25.71	40.00	24.69			
20	65-69	Former	276.00	43.81			24.22	18.00	6.52

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current	121.00	23.09	45.00	37.19			
20	70-74	Former	248.00	47.33			23.56	14.00	5.65

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current	122.00	23.69	58.00	47.54			
20	75-79	Former	252.00	48.93			25.90	7.00	2.78

****

Main Output for the Smoking History Summarized over Simulations for Run: 7, Scenario: MRTP

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current CC	2550.00	29.83	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current CC	57.00	15.88	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current CC	292.00	30.48	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current CC	403.00	37.52	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current CC	378.00	34.90	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current CC	309.00	31.76	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current CC	273.00	31.78	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current CC	211.00	33.49	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current CC	159.00	30.34	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current CC	130.00	25.24	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current CC	129.00	25.80	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current CC	87.00	19.42	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current CC	79.00	22.01	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current CC	43.00	16.17	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3901.00	42.51					
5	All Ages	Current CC	2523.00	27.49	212.00	7.61			
5	All Ages	Current MRTP	167.00	1.82					
5	All Ages	Current Dual	94.00	1.02					
5	All Ages	Former	2492.00	27.15			15.65	132.00	5.30

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	279.00	82.30					
5	18-19	Current CC	41.00	12.09	0.00	0.00			
5	18-19	Current MRTP	7.00	2.06					
5	18-19	Current Dual	10.00	2.95					
5	18-19	Former	2.00	0.59			1.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	619.00	67.65					
5	20-24	Current CC	239.00	26.12	3.00	1.12			
5	20-24	Current MRTP	15.00	1.64					
5	20-24	Current Dual	13.00	1.42					
5	20-24	Former	29.00	3.17			3.07	7.00	24.14
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	535.00	55.85					
5	25-29	Current CC	283.00	29.54	7.00	2.23			
5	25-29	Current MRTP	22.00	2.30					
5	25-29	Current Dual	9.00	0.94					
5	25-29	Former	109.00	11.38			5.01	18.00	16.51
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	494.00	46.00					
5	30-34	Current CC	361.00	33.61	11.00	2.84			
5	30-34	Current MRTP	19.00	1.77					
5	30-34	Current Dual	8.00	0.74					
5	30-34	Former	192.00	17.88			6.60	19.00	9.90
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	478.00	44.14					
5	35-39	Current CC	342.00	31.58	17.00	4.75			
5	35-39	Current MRTP	13.00	1.20					
5	35-39	Current Dual	3.00	0.28					
5	35-39	Former	247.00	22.81			7.83	19.00	7.69
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current CC	289.00	29.70	20.00	6.51			
5	40-44	Current MRTP	13.00	1.34					
5	40-44	Current Dual	5.00	0.51					
5	40-44	Former	260.00	26.72			12.39	9.00	3.46
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current CC	241.00	28.06	22.00	8.27			
5	45-49	Current MRTP	14.00	1.63					
5	45-49	Current Dual	11.00	1.28					
5	45-49	Former	285.00	33.18			13.87	9.00	3.16
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current CC	198.00	31.43	20.00	9.26			
5	50-54	Current MRTP	11.00	1.75					
5	50-54	Current Dual	7.00	1.11					
5	50-54	Former	222.00	35.24			17.83	6.00	2.70
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current CC	144.00	27.48	19.00	12.10			
5	55-59	Current MRTP	8.00	1.53					
5	55-59	Current Dual	5.00	0.95					
5	55-59	Former	212.00	40.46			16.98	14.00	6.60
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current CC	117.00	22.72	22.00	16.06			
5	60-64	Current MRTP	13.00	2.52					
5	60-64	Current Dual	7.00	1.36					
5	60-64	Former	237.00	46.02			19.24	5.00	2.11
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	120.00	24.00					
5	65-69	Current CC	117.00	23.40	19.00	14.62			
5	65-69	Current MRTP	6.00	1.20					
5	65-69	Current Dual	7.00	1.40					
5	65-69	Former	250.00	50.00			22.04	10.00	4.00
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

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					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current CC	77.00	17.19	29.00	29.90			
5	70-74	Current MRTP	15.00	3.35					
5	70-74	Current Dual	5.00	1.12					
5	70-74	Former	245.00	54.69			22.61	8.00	3.27
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current CC	74.00	20.61	23.00	25.84			
5	75-79	Current MRTP	11.00	3.06					
5	75-79	Current Dual	4.00	1.11					
5	75-79	Former	202.00	56.27			23.88	7.00	3.47
Year of Follow-up: 2000, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4073.00	43.45					
10	All Ages	Current CC	2377.00	25.35	352.00	12.15			
10	All Ages	Current MRTP	317.00	3.38					
10	All Ages	Current Dual	203.00	2.17					
10	All Ages	Former	2405.00	25.65			17.49	146.00	6.07
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	627.00	69.98					
10	20-24	Current CC	172.00	19.20	0.00	0.00			
10	20-24	Current MRTP	36.00	4.02					
10	20-24	Current Dual	43.00	4.80					
10	20-24	Former	18.00	2.01			2.11	8.00	44.44
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	553.00	60.44					
10	25-29	Current CC	244.00	26.67	7.00	2.27			
10	25-29	Current MRTP	29.00	3.17					
10	25-29	Current Dual	35.00	3.83					
10	25-29	Former	54.00	5.90			4.94	14.00	25.93
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	499.00	52.09					
10	30-34	Current CC	259.00	27.04	12.00	3.68			
10	30-34	Current MRTP	44.00	4.59					
10	30-34	Current Dual	23.00	2.40					
10	30-34	Former	133.00	13.88			8.10	12.00	9.02
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	488.00	45.44					
10	35-39	Current CC	332.00	30.91	27.00	7.12			
10	35-39	Current MRTP	33.00	3.07					
10	35-39	Current Dual	14.00	1.30					
10	35-39	Former	207.00	19.27			10.14	13.00	6.28
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	478.00	44.14					
10	40-44	Current CC	296.00	27.33	38.00	11.31			
10	40-44	Current MRTP	30.00	2.77					
10	40-44	Current Dual	10.00	0.92					
10	40-44	Former	269.00	24.84			10.93	21.00	7.81
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current CC	268.00	27.54	29.00	9.80			
10	45-49	Current MRTP	22.00	2.26					
10	45-49	Current Dual	6.00	0.62					
10	45-49	Former	271.00	27.85			16.11	11.00	4.06
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	308.00	35.86					
10	50-54	Current CC	220.00	25.61	51.00	18.75			
10	50-54	Current MRTP	33.00	3.84					
10	50-54	Current Dual	19.00	2.21					
10	50-54	Former	279.00	32.48			17.27	6.00	2.15
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current CC	173.00	27.46	36.00	17.31			
10	55-59	Current MRTP	25.00	3.97					
10	55-59	Current Dual	10.00	1.59					
10	55-59	Former	230.00	36.51			20.68	6.00	2.61
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current CC	129.00	24.62	27.00	18.24			
10	60-64	Current MRTP	12.00	2.29					
10	60-64	Current Dual	7.00	1.34					
10	60-64	Former	221.00	42.18			19.66	11.00	4.98
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current CC	106.00	20.58	37.00	26.81			
10	65-69	Current MRTP	20.00	3.88					
10	65-69	Current Dual	12.00	2.33					
10	65-69	Former	236.00	45.83			21.89	13.00	5.51
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current CC	111.00	22.20	42.00	31.34			
10	70-74	Current MRTP	11.00	2.20					
10	70-74	Current Dual	12.00	2.40					
10	70-74	Former	246.00	49.20			24.37	18.00	7.32
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current CC	67.00	14.96	46.00	45.54			
10	75-79	Current MRTP	22.00	4.91					
10	75-79	Current Dual	12.00	2.68					
10	75-79	Former	241.00	53.79			25.68	13.00	5.39
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3868.00	43.33					
15	All Ages	Current CC	2128.00	23.84	409.00	14.86			
15	All Ages	Current MRTP	412.00	4.62					
15	All Ages	Current Dual	213.00	2.39					
15	All Ages	Former	2306.00	25.83			18.79	138.00	5.98
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	565.00	63.06					
15	25-29	Current CC	181.00	20.20	2.00	0.69			
15	25-29	Current MRTP	58.00	6.47					
15	25-29	Current Dual	52.00	5.80					
15	25-29	Former	40.00	4.46			4.20	9.00	22.50
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	525.00	57.38					

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15	30-34	Current CC	228.00	24.92	12.00	3.87			
15	30-34	Current MRTP	43.00	4.70					
15	30-34	Current Dual	39.00	4.26					
15	30-34	Former	80.00	8.74			6.76	15.00	18.75
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	490.00	51.15					
15	35-39	Current CC	239.00	24.95	24.00	7.57			
15	35-39	Current MRTP	48.00	5.01					
15	35-39	Current Dual	30.00	3.13					
15	35-39	Former	151.00	15.76			10.87	12.00	7.95
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	488.00	45.44					
15	40-44	Current CC	297.00	27.65	35.00	9.94			
15	40-44	Current MRTP	40.00	3.72					
15	40-44	Current Dual	15.00	1.40					
15	40-44	Former	234.00	21.79			12.83	13.00	5.56
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	478.00	44.14					
15	45-49	Current CC	273.00	25.21	57.00	17.01			
15	45-49	Current MRTP	48.00	4.43					
15	45-49	Current Dual	14.00	1.29					
15	45-49	Former	270.00	24.93			14.78	11.00	4.07
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current CC	229.00	23.54	38.00	14.02			
15	50-54	Current MRTP	32.00	3.29					
15	50-54	Current Dual	10.00	1.03					
15	50-54	Former	296.00	30.42			18.46	14.00	4.73
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current CC	199.00	23.17	58.00	22.48			
15	55-59	Current MRTP	43.00	5.01					
15	55-59	Current Dual	16.00	1.86					
15	55-59	Former	293.00	34.11			20.18	17.00	5.80
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	192.00	30.48					
15	60-64	Current CC	161.00	25.56	46.00	22.77			
15	60-64	Current MRTP	30.00	4.76					
15	60-64	Current Dual	11.00	1.75					
15	60-64	Former	236.00	37.46			22.67	15.00	6.36
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current CC	121.00	23.09	36.00	25.00			
15	65-69	Current MRTP	16.00	3.05					
15	65-69	Current Dual	7.00	1.34					
15	65-69	Former	225.00	42.94			22.36	9.00	4.00
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current CC	98.00	19.03	48.00	34.53			
15	70-74	Current MRTP	32.00	6.21					
15	70-74	Current Dual	9.00	1.75					
15	70-74	Former	235.00	45.63			24.82	10.00	4.26
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current CC	102.00	20.40	53.00	39.55			
15	75-79	Current MRTP	22.00	4.40					
15	75-79	Current Dual	10.00	2.00					
15	75-79	Former	246.00	49.20			26.00	13.00	5.28
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3720.00	44.14					
20	All Ages	Current CC	1807.00	21.44	470.00	18.70			

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20	All Ages	Current MRTP	477.00	5.66					
20	All Ages	Current Dual	229.00	2.72					
20	All Ages	Former	2194.00	26.04			19.42	151.00	6.88
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	547.00	61.05					
20	30-34	Current CC	170.00	18.97	7.00	2.51			
20	30-34	Current MRTP	58.00	6.47					
20	30-34	Current Dual	51.00	5.69					
20	30-34	Former	70.00	7.81			5.89	16.00	22.86
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	515.00	56.28					
20	35-39	Current CC	203.00	22.19	17.00	5.69			
20	35-39	Current MRTP	54.00	5.90					
20	35-39	Current Dual	42.00	4.59					
20	35-39	Former	101.00	11.04			8.59	15.00	14.85
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	490.00	51.15					
20	40-44	Current CC	216.00	22.55	28.00	9.36			
20	40-44	Current MRTP	53.00	5.53					
20	40-44	Current Dual	30.00	3.13					
20	40-44	Former	169.00	17.64			13.49	9.00	5.33
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	488.00	45.44					
20	45-49	Current CC	274.00	25.51	40.00	12.08			
20	45-49	Current MRTP	44.00	4.10					
20	45-49	Current Dual	13.00	1.21					
20	45-49	Former	255.00	23.74			15.50	19.00	7.45
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	478.00	44.14					
20	50-54	Current CC	243.00	22.44	70.00	22.15			
20	50-54	Current MRTP	52.00	4.80					
20	50-54	Current Dual	21.00	1.94					
20	50-54	Former	289.00	26.69			17.06	14.00	4.84
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current CC	201.00	20.66	55.00	20.91			
20	55-59	Current MRTP	47.00	4.83					
20	55-59	Current Dual	15.00	1.54					
20	55-59	Former	304.00	31.24			20.80	16.00	5.26
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current CC	178.00	20.72	64.00	26.12			
20	60-64	Current MRTP	50.00	5.82					

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	17.00	1.98					
20	60-64	Former	306.00	35.62			21.79	20.00	6.54

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current CC	134.00	21.27	63.00	32.47			
20	65-69	Current MRTP	44.00	6.98					
20	65-69	Current Dual	16.00	2.54					
20	65-69	Former	244.00	38.73			23.64	17.00	6.97

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current CC	108.00	20.61	58.00	38.67			
20	70-74	Current MRTP	34.00	6.49					
20	70-74	Current Dual	8.00	1.53					
20	70-74	Former	219.00	41.79			25.03	10.00	4.57

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current CC	80.00	15.53	68.00	49.64			
20	75-79	Current MRTP	41.00	7.96					
20	75-79	Current Dual	16.00	3.11					
20	75-79	Former	237.00	46.02			25.03	15.00	6.33

****

Main Results for E-Component Summarized over Simulations for Run: 7

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	317161	125829.961	125829.961	0.000	0.000	0.000	4990.74	1980.02	1980.02	0.000
1991	313217	124132.583	124164.572	-31.989	-0.010	-0.026	4845.61	1920.39	1920.88	-0.495
1992	308577	122143.718	122168.262	-24.543	-0.008	-0.020	4692.62	1857.47	1857.85	-0.373
1993	311713	123269.216	123277.915	-8.699	-0.003	-0.007	4656.77	1841.55	1841.68	-0.130
1994	305700	120480.723	120538.683	-57.960	-0.019	-0.048	4482.57	1766.64	1767.49	-0.850
1995	303225	118666.569	118695.841	-29.272	-0.010	-0.025	4361.58	1706.89	1707.32	-0.421
1996	299559	116607.195	116698.357	-91.163	-0.030	-0.078	4242.85	1651.58	1652.88	-1.291
1997	294226	114665.051	114854.012	-188.961	-0.064	-0.165	4100.64	1598.09	1600.72	-2.634
1998	289258	113038.380	113279.398	-241.018	-0.083	-0.213	3966.28	1549.97	1553.28	-3.305
1999	311002	117067.463	117319.344	-251.881	-0.081	-0.215	4198.14	1580.27	1583.67	-3.400
2000	303786	114977.407	115318.559	-341.151	-0.112	-0.297	4041.13	1529.49	1534.03	-4.538
2001	296294	113047.319	113438.893	-391.574	-0.132	-0.346	3890.54	1484.39	1489.53	-5.142
2002	291898	111744.742	112158.856	-414.115	-0.142	-0.371	3789.34	1450.64	1456.02	-5.376
2003	285865	110551.854	111017.995	-466.142	-0.163	-0.422	3671.31	1419.80	1425.78	-5.987
2004	274177	107418.262	107955.636	-537.374	-0.196	-0.500	3481.92	1364.16	1370.99	-6.824
2005	272379	107678.770	108242.923	-564.153	-0.207	-0.524	3417.44	1351.01	1358.09	-7.078
2006	264118	104357.806	104962.127	-604.321	-0.229	-0.579	3281.83	1296.71	1304.22	-7.509
2007	258419	102690.449	103315.881	-625.432	-0.242	-0.609	3176.05	1262.10	1269.79	-7.687
2008	259461	103492.166	104042.046	-549.880	-0.212	-0.531	3150.91	1256.82	1263.49	-6.678
2009	253907	101384.044	101802.770	-418.726	-0.165	-0.413	3045.20	1215.94	1220.96	-5.022

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	5813942	2273243.679	2279082.030	-5838.35	-0.100	-0.257	3927.78	1535.76	1539.70	-3.944

****

Main Results for E-Component Summarized over Simulations for Run: 7

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	78822	63444.407	63444.407	0.000	0.000	0.000	1240.32	998.340	998.340	0.000
1991	78462	63068.786	63068.772	0.014	0.000	0.000	1213.84	975.702	975.702	0.000
1992	77987	62535.347	62530.462	4.886	0.006	0.008	1185.97	950.993	950.919	0.074
1993	78542	62883.111	62871.852	11.260	0.014	0.018	1173.36	939.428	939.260	0.168
1994	77437	61805.804	61798.730	7.074	0.009	0.011	1135.48	906.276	906.173	0.104
1995	76904	61145.799	61126.509	19.290	0.025	0.032	1106.18	879.519	879.241	0.277
1996	76232	60385.323	60380.130	5.193	0.007	0.009	1079.72	855.277	855.203	0.074
1997	75473	59549.806	59587.181	-37.375	-0.050	-0.063	1051.87	829.947	830.468	-0.521
1998	75381	59292.315	59315.145	-22.830	-0.030	-0.039	1033.62	813.010	813.323	-0.313
1999	73159	57398.351	57409.041	-10.690	-0.015	-0.019	987.557	774.807	774.952	-0.144
2000	73784	57716.549	57723.188	-6.640	-0.009	-0.012	981.515	767.777	767.865	-0.088
2001	73294	57211.877	57227.946	-16.068	-0.022	-0.028	962.399	751.230	751.441	-0.211
2002	72442	56438.810	56460.562	-21.752	-0.030	-0.039	940.422	732.673	732.956	-0.282
2003	71942	55948.341	56019.123	-70.782	-0.098	-0.127	923.937	718.533	719.443	-0.909
2004	71301	55339.218	55429.084	-89.866	-0.126	-0.162	905.490	702.783	703.924	-1.141
2005	70964	54964.459	55080.773	-116.313	-0.164	-0.212	890.360	689.620	691.079	-1.459
2006	69658	53781.526	53925.909	-144.383	-0.207	-0.268	865.543	668.268	670.062	-1.794
2007	68565	52784.985	52953.392	-168.407	-0.246	-0.319	842.687	648.745	650.815	-2.070
2008	68226	52470.692	52606.871	-136.179	-0.200	-0.260	828.542	637.208	638.862	-1.654
2009	67509	51823.021	51942.100	-119.078	-0.176	-0.230	809.661	621.533	622.962	-1.428

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	1476084	1159988.529	1160901.176	-912.647	-0.062	-0.079	997.213	783.665	784.282	-0.617

****

Main Results for E-Component Summarized over Simulations for Run: 7

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	171484	38382.899	38382.899	0.000	0.000	0.000	2698.42	603.981	603.981	0.000
1991	168044	37067.384	37093.393	-26.009	-0.015	-0.070	2599.72	573.449	573.851	-0.402
1992	164548	35863.851	35888.686	-24.835	-0.015	-0.069	2502.33	545.392	545.770	-0.378
1993	164362	35459.800	35479.528	-19.728	-0.012	-0.056	2455.45	529.744	530.038	-0.295
1994	159866	34293.631	34351.499	-57.868	-0.036	-0.169	2344.16	502.857	503.706	-0.849
1995	158083	33531.695	33588.390	-56.696	-0.036	-0.169	2273.86	482.318	483.134	-0.816
1996	154875	32438.163	32528.852	-90.689	-0.059	-0.280	2193.60	459.443	460.728	-1.284
1997	149970	31179.663	31299.303	-119.640	-0.080	-0.384	2090.14	434.552	436.219	-1.667
1998	145407	29860.736	30052.434	-191.698	-0.132	-0.642	1993.81	409.447	412.076	-2.629
1999	165952	34413.904	34652.342	-238.438	-0.144	-0.693	2240.15	464.545	467.764	-3.219
2000	160260	33265.290	33597.357	-332.067	-0.207	-0.998	2131.87	442.513	446.930	-4.417
2001	154444	32074.102	32437.067	-362.965	-0.235	-1.132	2027.95	421.154	425.920	-4.766
2002	151887	31817.956	32196.645	-378.689	-0.249	-1.190	1971.76	413.052	417.968	-4.916
2003	146733	31025.931	31369.619	-343.688	-0.234	-1.108	1884.46	398.460	402.874	-4.414
2004	138381	29503.602	29872.383	-368.781	-0.266	-1.250	1757.38	374.682	379.366	-4.683
2005	135881	29077.894	29437.214	-359.320	-0.264	-1.236	1704.85	364.830	369.338	-4.508
2006	131922	28385.448	28734.545	-349.098	-0.265	-1.230	1639.21	352.707	357.044	-4.338
2007	126502	27327.625	27643.365	-315.740	-0.250	-1.155	1554.75	335.866	339.746	-3.881
2008	125859	27025.472	27328.055	-302.583	-0.240	-1.120	1528.44	328.199	331.874	-3.675
2009	122428	26361.626	26580.060	-218.434	-0.178	-0.829	1468.33	316.165	318.785	-2.620

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	2996888	638356.673	642513.636	-4156.96	-0.139	-0.651	2024.64	431.261	434.069	-2.808

****

Main Results for E-Component Summarized over Simulations for Run: 7

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 7 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	32862	4587.597	4587.597	0.000	0.000	0.000	517.106	72.189	72.189	0.000
1991	32619	4487.983	4493.600	-5.617	-0.017	-0.125	504.630	69.431	69.518	-0.087
1992	32100	4371.196	4375.861	-4.665	-0.015	-0.107	488.154	66.474	66.545	-0.071
1993	32896	4414.136	4415.074	-0.938	-0.003	-0.021	491.442	65.944	65.958	-0.014
1994	33323	4474.895	4478.673	-3.777	-0.011	-0.084	488.625	65.617	65.672	-0.055
1995	33569	4476.290	4475.646	0.644	0.002	0.014	482.855	64.387	64.378	0.009
1996	33870	4489.078	4488.726	0.353	0.001	0.008	479.723	63.582	63.577	0.005
1997	33516	4444.866	4437.658	7.209	0.022	0.162	467.113	61.948	61.848	0.100
1998	32795	4313.427	4329.433	-16.006	-0.049	-0.371	449.682	59.145	59.365	-0.219
1999	33375	4232.739	4249.930	-17.191	-0.052	-0.406	450.521	57.137	57.369	-0.232
2000	33459	4307.577	4350.126	-42.549	-0.127	-0.988	445.090	57.302	57.868	-0.566
2001	32275	4136.308	4190.545	-54.236	-0.168	-1.311	423.792	54.312	55.025	-0.712
2002	31586	4079.175	4143.676	-64.502	-0.204	-1.581	410.041	52.955	53.792	-0.837
2003	30985	4096.221	4144.137	-47.916	-0.155	-1.170	397.934	52.607	53.222	-0.615
2004	29884	4034.217	4088.673	-54.456	-0.182	-1.350	379.513	51.233	51.924	-0.692
2005	28708	3944.303	3998.231	-53.929	-0.188	-1.367	360.189	49.488	50.164	-0.677
2006	28188	3970.169	4016.593	-46.423	-0.165	-1.169	350.253	49.332	49.909	-0.577
2007	28026	3957.558	3991.715	-34.158	-0.122	-0.863	344.449	48.640	49.060	-0.420
2008	27128	3812.302	3855.349	-43.048	-0.159	-1.129	329.444	46.297	46.820	-0.523
2009	27068	3827.467	3850.219	-22.752	-0.084	-0.594	324.637	45.904	46.177	-0.273

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	628232	84457.504	84961.461	-503.958	-0.080	-0.597	424.421	57.058	57.398	-0.340

****

Main Results for E-Component Summarized over Simulations for Run: 7

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33993	19415.059	19415.059	0.000	0.000	0.000	534.903	305.509	305.509	0.000
1991	34092	19508.431	19508.807	-0.376	-0.001	-0.002	527.418	301.804	301.810	-0.006
1992	33942	19373.324	19373.253	0.071	0.000	0.000	516.166	294.616	294.615	0.001
1993	35913	20512.169	20511.462	0.707	0.002	0.003	536.514	306.437	306.426	0.011
1994	35074	19906.392	19909.781	-3.388	-0.010	-0.017	514.300	291.893	291.943	-0.050
1995	34669	19512.784	19505.295	7.489	0.022	0.038	498.677	280.671	280.563	0.108
1996	34582	19294.631	19300.650	-6.020	-0.017	-0.031	489.808	273.283	273.368	-0.085
1997	35267	19490.717	19529.871	-39.154	-0.111	-0.201	491.517	271.643	272.188	-0.546
1998	35675	19571.902	19582.386	-10.484	-0.029	-0.054	489.172	268.368	268.512	-0.144
1999	38516	21022.469	21008.031	14.437	0.037	0.069	519.919	283.777	283.583	0.195
2000	36283	19687.992	19647.887	40.105	0.111	0.204	482.656	261.900	261.367	0.533
2001	36281	19625.032	19583.336	41.696	0.115	0.212	476.394	257.690	257.142	0.547
2002	35983	19408.801	19357.973	50.827	0.141	0.262	467.122	251.960	251.300	0.660
2003	36205	19481.360	19485.116	-3.756	-0.010	-0.019	464.974	250.195	250.243	-0.048
2004	34611	18541.224	18565.496	-24.271	-0.070	-0.131	439.544	235.465	235.773	-0.308
2005	36826	19692.114	19726.705	-34.591	-0.094	-0.176	462.043	247.070	247.504	-0.434
2006	34350	18220.663	18285.080	-64.417	-0.188	-0.354	426.820	226.403	227.203	-0.800
2007	35326	18620.282	18727.408	-107.127	-0.303	-0.575	434.168	228.849	230.166	-1.317
2008	38248	20183.701	20251.771	-68.070	-0.178	-0.337	464.487	245.112	245.939	-0.827
2009	36902	19371.930	19430.390	-58.461	-0.158	-0.302	442.580	232.335	233.036	-0.701

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	712738	390440.974	390705.758	-264.784	-0.037	-0.068	481.512	263.774	263.953	-0.179

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 8

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.48
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A4
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 8, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 8, Scenario: STP_MRTP

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		F (Females)
3. Assumption Set		APP19A4

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000428	0.000202	0.000067	0.000067
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001284	0.000605	0.000202	0.000202
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001712	0.000806	0.000269	0.000269
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000806	0.000269	0.000269
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.001008	0.000336	0.000336
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.001008	0.000336	0.000336
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002568	0.001210	0.000403	0.000403
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002996	0.001411	0.000470	0.000470
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003424	0.001613	0.000538	0.000538
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000428	0.000134	0.000134	0.000067
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001284	0.000403	0.000403	0.000202
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001712	0.000538	0.000538	0.000269
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001712	0.000538	0.000538	0.000269
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.000672	0.000672	0.000336
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002140	0.000672	0.000672	0.000336
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002568	0.000806	0.000806	0.000403
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002996	0.000941	0.000941	0.000470
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003424	0.001075	0.001075	0.000538

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 8, Scenario: NULL

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		F (Females)
3. Year of start of process		1990
4. Number of simulations		1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current	2058.00	23.75	0.00	0.00			
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current	53.00	16.51	0.00	0.00			
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current	211.00	25.39	0.00	0.00			
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current	290.00	29.03	0.00	0.00			
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current	342.00	30.48	0.00	0.00			
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current	241.00	24.85	0.00	0.00			
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current	206.00	25.40	0.00	0.00			
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current	166.00	26.73	0.00	0.00			
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current	145.00	27.10	0.00	0.00			
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current	110.00	22.54	0.00	0.00			
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current	113.00	21.08	0.00	0.00			
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current	81.00	15.03	0.00	0.00			
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current	55.00	11.32	0.00	0.00			
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current	45.00	11.11	0.00	0.00			
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4861.00	53.54					
5	All Ages	Current	2229.00	24.55	120.00	5.38			
5	All Ages	Former	1990.00	21.92			14.73	120.00	6.03

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	254.00	85.23					
5	18-19	Current	43.00	14.43	0.00	0.00			
5	18-19	Former	1.00	0.34			0.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	550.00	65.17					
5	20-24	Current	259.00	30.69	1.00	0.39			
5	20-24	Former	35.00	4.15			3.23	9.00	25.71

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	449.00	54.03					
5	25-29	Current	251.00	30.20	11.00	4.38			
5	25-29	Former	131.00	15.76			5.64	8.00	6.11

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	520.00	52.05					
5	30-34	Current	299.00	29.93	11.00	3.68			
5	30-34	Former	180.00	18.02			7.79	15.00	8.33

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	559.00	49.82					
5	35-39	Current	328.00	29.23	16.00	4.88			
5	35-39	Former	235.00	20.94			8.29	16.00	6.81

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current	230.00	23.71	19.00	8.26			
5	40-44	Former	243.00	25.05			11.45	17.00	7.00

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current	194.00	23.92	8.00	4.12			
5	45-49	Former	195.00	24.04			11.56	10.00	5.13

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current	154.00	24.80	9.00	5.84			
5	50-54	Former	166.00	26.73			15.46	8.00	4.82

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current	130.00	24.30	5.00	3.85			
5	55-59	Former	153.00	28.60			15.16	7.00	4.58

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current	101.00	20.70	4.00	3.96			
5	60-64	Former	137.00	28.07			20.60	7.00	5.11

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	260.00	48.51					
5	65-69	Current	108.00	20.15	13.00	12.04			
5	65-69	Former	168.00	31.34			21.20	8.00	4.76

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current	76.00	14.10	9.00	11.84			
5	70-74	Former	183.00	33.95			24.28	10.00	5.46

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current	56.00	11.52	14.00	25.00			
5	75-79	Former	163.00	33.54			26.72	4.00	2.45

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4862.00	53.38					
10	All Ages	Current	2212.00	24.28	200.00	9.04			
10	All Ages	Former	2035.00	22.34			15.88	142.00	6.98

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	606.00	74.54					
10	20-24	Current	184.00	22.63	0.00	0.00			
10	20-24	Former	23.00	2.83			1.96	12.00	52.17

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	498.00	59.00					
10	25-29	Current	279.00	33.06	6.00	2.15			
10	25-29	Former	67.00	7.94			4.97	15.00	22.39

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	422.00	50.78					
10	30-34	Current	262.00	31.53	25.00	9.54			
10	30-34	Former	147.00	17.69			8.78	15.00	10.20

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	515.00	51.55					
10	35-39	Current	271.00	27.13	14.00	5.17			
10	35-39	Former	213.00	21.32			10.85	15.00	7.04

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	559.00	49.82					
10	40-44	Current	296.00	26.38	24.00	8.11			
10	40-44	Former	267.00	23.80			11.52	17.00	6.37

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current	208.00	21.44	28.00	13.46			
10	45-49	Former	265.00	27.32			14.52	14.00	5.28

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	422.00	52.03					
10	50-54	Current	183.00	22.56	20.00	10.93			
10	50-54	Former	206.00	25.40			14.78	14.00	6.80

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current	145.00	23.35	15.00	10.34			
10	55-59	Former	175.00	28.18			18.89	8.00	4.57

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current	127.00	23.74	15.00	11.81			
10	60-64	Former	156.00	29.16			18.51	4.00	2.56

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current	92.00	18.85	13.00	14.13			
10	65-69	Former	146.00	29.92			22.28	8.00	5.48

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current	91.00	16.98	16.00	17.58			
10	70-74	Former	185.00	34.51			22.55	9.00	4.86

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current	74.00	13.73	24.00	32.43			
10	75-79	Former	185.00	34.32			25.64	11.00	5.95

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4491.00	52.40					
15	All Ages	Current	2076.00	24.22	277.00	13.34			
15	All Ages	Former	2003.00	23.37			17.29	123.00	6.14

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	549.00	67.53					
15	25-29	Current	223.00	27.43	1.00	0.45			
15	25-29	Former	41.00	5.04			4.46	11.00	26.83

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	473.00	56.04					
15	30-34	Current	277.00	32.82	12.00	4.33			
15	30-34	Former	94.00	11.14			7.35	14.00	14.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	413.00	49.70					
15	35-39	Current	241.00	29.00	28.00	11.62			
15	35-39	Former	177.00	21.30			11.16	13.00	7.34

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	515.00	51.55					
15	40-44	Current	260.00	26.03	32.00	12.31			
15	40-44	Former	224.00	22.42			14.11	14.00	6.25

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	559.00	49.82					
15	45-49	Current	276.00	24.60	38.00	13.77			
15	45-49	Former	287.00	25.58			14.89	12.00	4.18

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current	199.00	20.52	37.00	18.59			
15	50-54	Former	274.00	28.25			17.97	9.00	3.28

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current	168.00	20.72	28.00	16.67			
15	55-59	Former	221.00	27.25			17.53	12.00	5.43

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	301.00	48.47					
15	60-64	Current	133.00	21.42	22.00	16.54			
15	60-64	Former	187.00	30.11			21.34	9.00	4.81

Year of Follow-up: 2005, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current	122.00	22.80	22.00	18.03			
15	65-69	Former	161.00	30.09			21.48	8.00	4.97

Year of Follow-up: 2005, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current	91.00	18.65	29.00	31.87			
15	70-74	Former	147.00	30.12			24.10	9.00	6.12

Year of Follow-up: 2005, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current	86.00	16.04	28.00	32.56			
15	75-79	Former	190.00	35.45			24.03	12.00	6.32

Year of Follow-up: 2010, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4198.00	52.25					
20	All Ages	Current	1870.00	23.28	298.00	15.94			
20	All Ages	Former	1966.00	24.47			18.93	102.00	5.19

Year of Follow-up: 2010, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.

Year of Follow-up: 2010, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	525.00	64.58					
20	30-34	Current	222.00	27.31	4.00	1.80			
20	30-34	Former	66.00	8.12			6.38	13.00	19.70

Year of Follow-up: 2010, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	464.00	54.98					
20	35-39	Current	268.00	31.75	14.00	5.22			
20	35-39	Former	112.00	13.27			10.45	11.00	9.82

Year of Follow-up: 2010, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	413.00	49.70					
20	40-44	Current	222.00	26.71	28.00	12.61			
20	40-44	Former	196.00	23.59			14.27	10.00	5.10

Year of Follow-up: 2010, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	515.00	51.55					
20	45-49	Current	240.00	24.02	38.00	15.83			
20	45-49	Former	244.00	24.42			16.90	12.00	4.92

Year of Follow-up: 2010, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	559.00	49.82					
20	50-54	Current	261.00	23.26	50.00	19.16			
20	50-54	Former	302.00	26.92			17.95	9.00	2.98

Year of Follow-up: 2010, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current	180.00	18.56	40.00	22.22			
20	55-59	Former	293.00	30.21			20.76	11.00	3.75

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current	160.00	19.73	39.00	24.38			
20	60-64	Former	229.00	28.24			20.08	10.00	4.37

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current	124.00	19.97	28.00	22.58			
20	65-69	Former	196.00	31.56			23.72	7.00	3.57

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current	115.00	21.50	30.00	26.09			
20	70-74	Former	168.00	31.40			23.68	8.00	4.76

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current	78.00	15.98	27.00	34.62			
20	75-79	Former	160.00	32.79			24.91	11.00	6.88

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Main Output for the Smoking History Summarized over Simulations for Run: 8, Scenario: MRTP

Variable	Parameter	Value
1.	Country	US (United States)
2.	Sex	F (Females)
3.	Year of start of process	1990
4.	Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current CC	2058.00	23.75	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current CC	53.00	16.51	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current CC	211.00	25.39	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current CC	290.00	29.03	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current CC	342.00	30.48	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current CC	241.00	24.85	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current CC	206.00	25.40	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current CC	166.00	26.73	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current CC	145.00	27.10	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current CC	110.00	22.54	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current CC	113.00	21.08	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current CC	81.00	15.03	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current CC	55.00	11.32	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current CC	45.00	11.11	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4886.00	53.81					
5	All Ages	Current CC	2085.00	22.96	177.00	7.68			
5	All Ages	Current MRTP	136.00	1.50					
5	All Ages	Current Dual	83.00	0.91					
5	All Ages	Former	1890.00	20.81			14.89	96.00	5.08

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	253.00	84.90					
5	18-19	Current CC	31.00	10.40	0.00	0.00			
5	18-19	Current MRTP	5.00	1.68					
5	18-19	Current Dual	8.00	2.68					
5	18-19	Former	1.00	0.34			1.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	558.00	66.11					
5	20-24	Current CC	228.00	27.01	5.00	1.89			
5	20-24	Current MRTP	21.00	2.49					
5	20-24	Current Dual	16.00	1.90					
5	20-24	Former	21.00	2.49			3.05	7.00	33.33
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	463.00	55.72					
5	25-29	Current CC	211.00	25.39	12.00	5.08			
5	25-29	Current MRTP	15.00	1.81					
5	25-29	Current Dual	10.00	1.20					
5	25-29	Former	132.00	15.88			5.46	12.00	9.09
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	522.00	52.25					
5	30-34	Current CC	285.00	28.53	18.00	5.88			
5	30-34	Current MRTP	10.00	1.00					
5	30-34	Current Dual	11.00	1.10					
5	30-34	Former	171.00	17.12			7.95	11.00	6.43
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	561.00	50.00					
5	35-39	Current CC	309.00	27.54	13.00	3.90			
5	35-39	Current MRTP	16.00	1.43					
5	35-39	Current Dual	8.00	0.71					
5	35-39	Former	228.00	20.32			8.57	13.00	5.70
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current CC	217.00	22.37	14.00	6.14			
5	40-44	Current MRTP	10.00	1.03					
5	40-44	Current Dual	1.00	0.10					
5	40-44	Former	245.00	25.26			11.76	12.00	4.90
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current CC	180.00	22.19	16.00	8.08			
5	45-49	Current MRTP	11.00	1.36					
5	45-49	Current Dual	7.00	0.86					
5	45-49	Former	191.00	23.55			11.52	10.00	5.24
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current CC	149.00	23.99	15.00	9.32			
5	50-54	Current MRTP	8.00	1.29					
5	50-54	Current Dual	4.00	0.64					
5	50-54	Former	159.00	25.60			15.31	11.00	6.92
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current CC	125.00	23.36	10.00	7.35			
5	55-59	Current MRTP	7.00	1.31					
5	55-59	Current Dual	4.00	0.75					
5	55-59	Former	147.00	27.48			15.61	3.00	2.04
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current CC	104.00	21.31	10.00	8.93			
5	60-64	Current MRTP	6.00	1.23					
5	60-64	Current Dual	2.00	0.41					
5	60-64	Former	126.00	25.82			21.49	3.00	2.38
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	260.00	48.51					
5	65-69	Current CC	112.00	20.90	24.00	19.05			
5	65-69	Current MRTP	10.00	1.87					
5	65-69	Current Dual	4.00	0.75					
5	65-69	Former	150.00	27.99			21.38	5.00	3.33
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

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					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current CC	80.00	14.84	18.00	20.00			
5	70-74	Current MRTP	8.00	1.48					
5	70-74	Current Dual	2.00	0.37					
5	70-74	Former	169.00	31.35			24.80	5.00	2.96

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current CC	54.00	11.11	22.00	31.88			
5	75-79	Current MRTP	9.00	1.85					
5	75-79	Current Dual	6.00	1.23					
5	75-79	Former	150.00	30.86			27.46	3.00	2.00

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4898.00	53.77					
10	All Ages	Current CC	1960.00	21.52	272.00	11.54			
10	All Ages	Current MRTP	258.00	2.83					
10	All Ages	Current Dual	140.00	1.54					
10	All Ages	Former	1853.00	20.34			16.31	114.00	6.15

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	601.00	73.92					
10	20-24	Current CC	138.00	16.97	0.00	0.00			
10	20-24	Current MRTP	28.00	3.44					
10	20-24	Current Dual	28.00	3.44					
10	20-24	Former	18.00	2.21			2.50	6.00	33.33

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	523.00	61.97					
10	25-29	Current CC	217.00	25.71	9.00	3.24			
10	25-29	Current MRTP	34.00	4.03					
10	25-29	Current Dual	27.00	3.20					
10	25-29	Former	43.00	5.09			4.47	12.00	27.91

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	441.00	53.07					
10	30-34	Current CC	195.00	23.47	18.00	7.53			
10	30-34	Current MRTP	28.00	3.37					
10	30-34	Current Dual	16.00	1.93					
10	30-34	Former	151.00	18.17			8.99	11.00	7.28

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	510.00	51.05					
10	35-39	Current CC	264.00	26.43	35.00	11.25			
10	35-39	Current MRTP	27.00	2.70					
10	35-39	Current Dual	20.00	2.00					
10	35-39	Former	178.00	17.82			11.34	8.00	4.49

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	561.00	50.00					
10	40-44	Current CC	275.00	24.51	27.00	8.77			
10	40-44	Current MRTP	26.00	2.32					
10	40-44	Current Dual	7.00	0.62					
10	40-44	Former	253.00	22.55			11.49	19.00	7.51

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current CC	192.00	19.79	28.00	12.56			
10	45-49	Current MRTP	24.00	2.47					
10	45-49	Current Dual	7.00	0.72					
10	45-49	Former	250.00	25.77			15.46	9.00	3.60

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	422.00	52.03					
10	50-54	Current CC	168.00	20.72	29.00	15.03			
10	50-54	Current MRTP	17.00	2.10					
10	50-54	Current Dual	8.00	0.99					
10	50-54	Former	196.00	24.17			14.99	10.00	5.10
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current CC	134.00	21.58	23.00	14.74			
10	55-59	Current MRTP	16.00	2.58					
10	55-59	Current Dual	6.00	0.97					
10	55-59	Former	164.00	26.41			18.28	6.00	3.66
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current CC	114.00	21.31	17.00	12.98			
10	60-64	Current MRTP	13.00	2.43					
10	60-64	Current Dual	4.00	0.75					
10	60-64	Former	152.00	28.41			18.55	7.00	4.61
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current CC	93.00	19.06	14.00	13.46			
10	65-69	Current MRTP	9.00	1.84					
10	65-69	Current Dual	2.00	0.41					
10	65-69	Former	134.00	27.46			23.66	4.00	2.99
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current CC	95.00	17.72	31.00	25.83			
10	70-74	Current MRTP	18.00	3.36					
10	70-74	Current Dual	7.00	1.31					
10	70-74	Former	156.00	29.10			23.42	9.00	5.77
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current CC	75.00	13.91	41.00	40.59			
10	75-79	Current MRTP	18.00	3.34					
10	75-79	Current Dual	8.00	1.48					
10	75-79	Former	158.00	29.31			26.91	13.00	8.23
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4523.00	52.78					
15	All Ages	Current CC	1683.00	19.64	349.00	15.78			
15	All Ages	Current MRTP	340.00	3.97					
15	All Ages	Current Dual	188.00	2.19					
15	All Ages	Former	1836.00	21.42			17.13	134.00	7.30
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	546.00	67.16					
15	25-29	Current CC	146.00	17.96	3.00	1.29			
15	25-29	Current MRTP	46.00	5.66					
15	25-29	Current Dual	40.00	4.92					
15	25-29	Former	35.00	4.31			4.00	13.00	37.14
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	490.00	58.06					

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15	30-34	Current CC	198.00	23.46	10.00	3.55			
15	30-34	Current MRTP	55.00	6.52					
15	30-34	Current Dual	29.00	3.44					
15	30-34	Former	72.00	8.53			5.93	16.00	22.22
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	434.00	52.23					
15	35-39	Current CC	173.00	20.82	32.00	14.04			
15	35-39	Current MRTP	36.00	4.33					
15	35-39	Current Dual	19.00	2.29					
15	35-39	Former	169.00	20.34			11.95	8.00	4.73
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	510.00	51.05					
15	40-44	Current CC	231.00	23.12	49.00	16.50			
15	40-44	Current MRTP	38.00	3.80					
15	40-44	Current Dual	28.00	2.80					
15	40-44	Former	192.00	19.22			13.89	12.00	6.25
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	561.00	50.00					
15	45-49	Current CC	243.00	21.66	36.00	12.29			
15	45-49	Current MRTP	40.00	3.57					
15	45-49	Current Dual	10.00	0.89					
15	45-49	Former	268.00	23.89			14.85	14.00	5.22
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current CC	168.00	17.32	46.00	21.30			
15	50-54	Current MRTP	33.00	3.40					
15	50-54	Current Dual	15.00	1.55					
15	50-54	Former	257.00	26.49			17.99	13.00	5.06
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current CC	149.00	18.37	40.00	21.86			
15	55-59	Current MRTP	20.00	2.47					
15	55-59	Current Dual	14.00	1.73					
15	55-59	Former	206.00	25.40			17.65	15.00	7.28
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	301.00	48.47					
15	60-64	Current CC	112.00	18.04	32.00	22.07			
15	60-64	Current MRTP	22.00	3.54					
15	60-64	Current Dual	11.00	1.77					
15	60-64	Former	175.00	28.18			20.18	9.00	5.14
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current CC	104.00	19.44	33.00	25.98			
15	65-69	Current MRTP	14.00	2.62					
15	65-69	Current Dual	9.00	1.68					
15	65-69	Former	156.00	29.16			20.37	9.00	5.77
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current CC	78.00	15.98	26.00	26.80			
15	70-74	Current MRTP	15.00	3.07					
15	70-74	Current Dual	4.00	0.82					
15	70-74	Former	141.00	28.89			23.70	10.00	7.09
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current CC	81.00	15.11	42.00	37.84			
15	75-79	Current MRTP	21.00	3.92					
15	75-79	Current Dual	9.00	1.68					
15	75-79	Former	165.00	30.78			23.65	15.00	9.09
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4226.00	52.60					
20	All Ages	Current CC	1437.00	17.89	385.00	19.31			

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20	All Ages	Current MRTP	360.00	4.48					
20	All Ages	Current Dual	197.00	2.45					
20	All Ages	Former	1814.00	22.58			18.43	121.00	6.67
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	521.00	64.08					
20	30-34	Current CC	143.00	17.59	5.00	2.15			
20	30-34	Current MRTP	51.00	6.27					
20	30-34	Current Dual	39.00	4.80					
20	30-34	Former	59.00	7.26			5.63	12.00	20.34
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	478.00	56.64					
20	35-39	Current CC	173.00	20.50	16.00	5.99			
20	35-39	Current MRTP	61.00	7.23					
20	35-39	Current Dual	33.00	3.91					
20	35-39	Former	99.00	11.73			7.87	16.00	16.16
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	434.00	52.23					
20	40-44	Current CC	153.00	18.41	36.00	17.22			
20	40-44	Current MRTP	40.00	4.81					
20	40-44	Current Dual	16.00	1.93					
20	40-44	Former	188.00	22.62			14.89	6.00	3.19
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	510.00	51.05					
20	45-49	Current CC	214.00	21.42	55.00	19.50			
20	45-49	Current MRTP	37.00	3.70					
20	45-49	Current Dual	31.00	3.10					
20	45-49	Former	207.00	20.72			16.51	11.00	5.31
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	561.00	50.00					
20	50-54	Current CC	217.00	19.34	46.00	16.91			
20	50-54	Current MRTP	41.00	3.65					
20	50-54	Current Dual	14.00	1.25					
20	50-54	Former	289.00	25.76			17.57	14.00	4.84
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current CC	146.00	15.05	55.00	27.09			
20	55-59	Current MRTP	39.00	4.02					
20	55-59	Current Dual	18.00	1.86					
20	55-59	Former	270.00	27.84			20.11	13.00	4.81
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current CC	128.00	15.78	58.00	32.40			
20	60-64	Current MRTP	30.00	3.70					

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	21.00	2.59					
20	60-64	Former	210.00	25.89			20.32	13.00	6.19

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current CC	100.00	16.10	38.00	27.74			
20	65-69	Current MRTP	26.00	4.19					
20	65-69	Current Dual	11.00	1.77					
20	65-69	Former	183.00	29.47			22.71	10.00	5.46

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current CC	92.00	17.20	40.00	33.33			
20	70-74	Current MRTP	19.00	3.55					
20	70-74	Current Dual	9.00	1.68					
20	70-74	Former	163.00	30.47			22.34	12.00	7.36

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current CC	71.00	14.55	36.00	39.13			
20	75-79	Current MRTP	16.00	3.28					
20	75-79	Current Dual	5.00	1.02					
20	75-79	Former	146.00	29.92			24.21	14.00	9.59

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Main Results for E-Component Summarized over Simulations for Run: 8

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	199848	57300.589	57300.589	0.000	0.000	0.000	2876.55	824.768	824.768	0.000
1991	199162	59127.861	59166.173	-38.312	-0.019	-0.065	2826.86	839.248	839.791	-0.544
1992	198532	60226.142	60320.896	-94.754	-0.048	-0.157	2778.64	842.922	844.248	-1.326
1993	202512	62332.320	62471.247	-138.927	-0.069	-0.223	2793.47	859.818	861.734	-1.916
1994	200658	62691.239	62916.191	-224.952	-0.112	-0.359	2725.82	851.622	854.678	-3.056
1995	201023	63132.954	63450.190	-317.235	-0.158	-0.502	2687.54	844.043	848.284	-4.241
1996	201180	64309.880	64855.038	-545.158	-0.271	-0.848	2653.67	848.280	855.471	-7.191
1997	198639	64547.894	65219.727	-671.833	-0.338	-1.041	2583.39	839.475	848.212	-8.737
1998	197573	65384.866	66130.832	-745.966	-0.378	-1.141	2533.29	838.367	847.932	-9.565
1999	211329	67554.762	68404.651	-849.889	-0.402	-1.258	2673.14	854.513	865.264	-10.750
2000	208496	68184.366	69012.768	-828.402	-0.397	-1.215	2604.20	851.652	861.999	-10.347
2001	203606	68286.060	69056.492	-770.432	-0.378	-1.128	2514.65	843.372	852.888	-9.515
2002	200828	68983.996	69863.329	-879.334	-0.438	-1.275	2455.47	843.450	854.202	-10.751
2003	196352	68717.830	69535.324	-817.494	-0.416	-1.190	2377.49	832.057	841.956	-9.898
2004	188160	67344.952	67984.207	-639.256	-0.340	-0.949	2254.66	806.974	814.634	-7.660
2005	186416	67846.650	68398.836	-552.186	-0.296	-0.814	2208.07	803.634	810.174	-6.541
2006	180088	66622.465	66749.847	-127.382	-0.071	-0.191	2113.55	781.893	783.388	-1.495
2007	175644	65977.201	66105.374	-128.173	-0.073	-0.194	2039.92	766.256	767.745	-1.489
2008	177570	67121.344	67192.304	-70.960	-0.040	-0.106	2039.03	770.751	771.566	-0.815
2009	172806	66622.993	66466.110	156.883	0.091	0.235	1961.22	756.123	754.342	1.781

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	3900422	1302316.365	1310600.126	-8283.76	-0.212	-0.636	2465.77	823.300	828.537	-5.237

****

Main Results for E-Component Summarized over Simulations for Run: 8

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	42690	30645.370	30645.370	0.000	0.000	0.000	614.467	441.100	441.100	0.000
1991	43692	31530.019	31538.272	-8.253	-0.019	-0.026	620.154	447.530	447.647	-0.117
1992	45423	32811.446	32836.135	-24.688	-0.054	-0.075	635.738	459.227	459.573	-0.346
1993	46291	33467.735	33505.105	-37.370	-0.081	-0.112	638.542	461.657	462.172	-0.515
1994	47017	33989.389	34054.212	-64.824	-0.138	-0.191	638.697	461.725	462.606	-0.881
1995	47840	34566.580	34660.129	-93.549	-0.196	-0.271	639.587	462.131	463.382	-1.251
1996	48244	34997.958	35161.747	-163.789	-0.340	-0.468	636.363	461.641	463.801	-2.160
1997	49035	35549.658	35754.401	-204.743	-0.418	-0.576	637.723	462.340	465.002	-2.663
1998	49686	36138.033	36367.016	-228.983	-0.461	-0.634	637.076	463.363	466.299	-2.936
1999	48883	35506.142	35756.410	-250.268	-0.512	-0.705	618.331	449.124	452.290	-3.166
2000	50331	36573.306	36820.674	-247.367	-0.491	-0.676	628.656	456.816	459.906	-3.090
2001	50389	36733.445	36976.766	-243.320	-0.483	-0.662	622.333	453.679	456.684	-3.005
2002	51445	37627.700	37897.111	-269.411	-0.524	-0.716	629.005	460.065	463.359	-3.294
2003	51408	37552.784	37806.163	-253.379	-0.493	-0.675	622.464	454.701	457.769	-3.068
2004	51399	37527.823	37742.094	-214.271	-0.417	-0.571	615.898	449.684	452.252	-2.568
2005	51421	37486.186	37681.108	-194.921	-0.379	-0.520	609.074	444.018	446.327	-2.309
2006	51355	37409.496	37463.892	-54.396	-0.106	-0.145	602.712	439.045	439.683	-0.638
2007	51839	37602.867	37670.197	-67.330	-0.130	-0.179	602.056	436.718	437.500	-0.782
2008	50976	36986.957	37040.189	-53.232	-0.104	-0.144	585.355	424.719	425.331	-0.611
2009	51193	37201.944	37176.020	25.924	0.051	0.070	581.003	422.215	421.921	0.294

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	980557	711904.839	714553.010	-2648.17	-0.270	-0.372	619.890	450.053	451.727	-1.674

****

Main Results for E-Component Summarized over Simulations for Run: 8

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	98916	12646.761	12646.761	0.000	0.000	0.000	1423.77	182.034	182.034	0.000
1991	96403	12662.980	12682.202	-19.222	-0.020	-0.152	1368.32	179.735	180.008	-0.273
1992	93721	12337.995	12376.540	-38.544	-0.041	-0.312	1311.71	172.682	173.221	-0.539
1993	93679	12401.934	12454.986	-53.051	-0.057	-0.428	1292.22	171.073	171.805	-0.732
1994	90832	12128.576	12208.825	-80.249	-0.088	-0.662	1233.90	164.759	165.849	-1.090
1995	89698	11958.696	12073.270	-114.574	-0.128	-0.958	1199.20	159.879	161.411	-1.532
1996	88286	12020.749	12201.577	-180.827	-0.205	-1.504	1164.54	158.560	160.945	-2.385
1997	84777	11593.724	11806.668	-212.944	-0.251	-1.837	1102.56	150.782	153.551	-2.769
1998	82517	11337.035	11566.510	-229.475	-0.278	-2.024	1058.04	145.364	148.306	-2.942
1999	93939	13027.458	13291.515	-264.057	-0.281	-2.027	1188.25	164.787	168.127	-3.340
2000	90039	12607.547	12875.223	-267.675	-0.297	-2.123	1124.63	157.474	160.817	-3.343
2001	86119	12350.451	12569.760	-219.309	-0.255	-1.776	1063.62	152.535	155.244	-2.709
2002	83014	12112.097	12369.203	-257.107	-0.310	-2.123	1014.99	148.092	151.235	-3.144
2003	79302	11683.252	11916.123	-232.871	-0.294	-1.993	960.214	141.465	144.284	-2.820
2004	73861	11139.095	11291.718	-152.623	-0.207	-1.370	885.053	133.476	135.305	-1.829
2005	71649	10884.683	11012.829	-128.146	-0.179	-1.177	848.672	128.927	130.445	-1.518
2006	67551	10397.565	10416.346	-18.782	-0.028	-0.181	792.791	122.028	122.248	-0.220
2007	63503	9785.831	9775.391	10.440	0.016	0.107	737.521	113.652	113.531	0.121
2008	63171	9922.524	9890.976	31.548	0.050	0.318	725.389	113.940	113.578	0.362
2009	59747	9483.598	9392.056	91.542	0.153	0.965	678.085	107.632	106.593	1.039

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	1650724	232482.549	234818.477	-2335.93	-0.142	-1.005	1043.56	146.971	148.448	-1.477

****

Main Results for E-Component Summarized over Simulations for Run: 8

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 8 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33504	3193.244	3193.244	0.000	0.000	0.000	482.247	45.963	45.963	0.000
1991	32505	3116.016	3121.560	-5.544	-0.017	-0.178	461.369	44.228	44.307	-0.079
1992	32560	3095.448	3109.839	-14.391	-0.044	-0.465	455.708	43.324	43.525	-0.201
1993	32768	3114.516	3133.835	-19.318	-0.059	-0.620	452.005	42.962	43.228	-0.266
1994	33005	3168.398	3196.726	-28.327	-0.086	-0.894	448.353	43.041	43.426	-0.385
1995	33730	3200.274	3238.057	-37.783	-0.112	-1.181	450.946	42.785	43.291	-0.505
1996	33750	3234.738	3291.223	-56.485	-0.167	-1.746	445.180	42.668	43.413	-0.745
1997	33699	3240.665	3319.593	-78.929	-0.234	-2.436	438.271	42.146	43.173	-1.027
1998	33274	3171.578	3255.542	-83.964	-0.252	-2.647	426.640	40.666	41.743	-1.077
1999	33891	3153.786	3235.379	-81.592	-0.241	-2.587	428.694	39.893	40.925	-1.032
2000	33827	3237.043	3314.675	-77.632	-0.229	-2.398	422.514	40.432	41.402	-0.970
2001	32506	3110.972	3164.509	-53.537	-0.165	-1.721	401.468	38.422	39.084	-0.661
2002	32078	3123.298	3186.933	-63.635	-0.198	-2.037	392.210	38.188	38.966	-0.778
2003	30568	3025.984	3078.390	-52.406	-0.171	-1.732	370.127	36.640	37.274	-0.635
2004	29388	2983.453	3011.317	-27.864	-0.095	-0.934	352.147	35.750	36.084	-0.334
2005	27954	2926.679	2941.550	-14.871	-0.053	-0.508	331.111	34.666	34.842	-0.176
2006	27201	2889.308	2877.485	11.823	0.043	0.409	319.236	33.909	33.771	0.139
2007	26302	2810.025	2791.739	18.286	0.070	0.651	305.470	32.636	32.423	0.212
2008	25998	2773.025	2751.033	21.992	0.085	0.793	298.534	31.843	31.590	0.253
2009	25040	2723.293	2680.705	42.588	0.170	1.564	284.186	30.907	30.424	0.483

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	623548	61291.743	61893.333	-601.590	-0.096	-0.982	394.195	38.747	39.128	-0.380

****

Main Results for E-Component Summarized over Simulations for Run: 8

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	24738	10815.214	10815.214	0.000	0.000	0.000	356.071	155.671	155.671	0.000
1991	26562	11818.847	11824.140	-5.293	-0.020	-0.045	377.015	167.754	167.829	-0.075
1992	26828	11981.252	11998.382	-17.129	-0.064	-0.143	375.483	167.689	167.929	-0.240
1993	29774	13348.134	13377.321	-29.187	-0.098	-0.219	410.705	184.125	184.528	-0.403
1994	29804	13404.876	13456.427	-51.551	-0.173	-0.385	404.869	182.097	182.797	-0.700
1995	29755	13407.404	13478.735	-71.330	-0.240	-0.532	397.803	179.248	180.201	-0.954
1996	30900	14056.435	14200.491	-144.056	-0.466	-1.025	407.587	185.412	187.312	-1.900
1997	31128	14163.848	14339.065	-175.217	-0.563	-1.237	404.834	184.207	186.486	-2.279
1998	32096	14738.220	14941.764	-203.544	-0.634	-1.381	411.536	188.974	191.584	-2.610
1999	34616	15867.376	16121.348	-253.971	-0.734	-1.601	437.865	200.710	203.922	-3.213
2000	34299	15766.470	16002.197	-235.728	-0.687	-1.495	428.409	196.930	199.874	-2.944
2001	34592	16091.193	16345.458	-254.265	-0.735	-1.580	427.231	198.736	201.876	-3.140
2002	34291	16120.902	16410.083	-289.181	-0.843	-1.794	419.268	197.106	200.642	-3.536
2003	35074	16455.810	16734.648	-278.838	-0.795	-1.694	424.687	199.252	202.628	-3.376
2004	33512	15694.580	15939.078	-244.498	-0.730	-1.558	401.564	188.063	190.993	-2.930
2005	35392	16549.102	16763.350	-214.248	-0.605	-1.295	419.213	196.022	198.559	-2.538
2006	33981	15926.096	15992.124	-66.028	-0.194	-0.415	398.807	186.912	187.686	-0.775
2007	34000	15778.477	15868.046	-89.569	-0.263	-0.568	394.875	183.251	184.291	-1.040
2008	37425	17438.838	17510.106	-71.268	-0.190	-0.409	429.749	200.249	201.068	-0.818
2009	36826	17214.158	17217.329	-3.171	-0.009	-0.018	417.948	195.368	195.404	-0.036

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	645593	296637.233	299335.306	-2698.07	-0.418	-0.910	408.132	187.528	189.234	-1.706

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 9

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.7
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A5
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 9, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Assumption Set	GUESSNULL1

Age	Period	Initiation Never Current	Switch from Current Current Former	Re-initiation Former Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 9, Scenario: STP_MRTP

Variable	**Parameter**	**Value**
1. Country		US (United States)
2. Sex		M (Males)
3. Assumption Set		APP19A5

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000410	0.000216	0.000072	0.000072
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001230	0.000648	0.000216	0.000216
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001640	0.000864	0.000288	0.000288
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.001080	0.000360	0.000360
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.001080	0.000360	0.000360
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002460	0.001296	0.000432	0.000432
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002870	0.001512	0.000504	0.000504
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003280	0.001728	0.000576	0.000576
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000410	0.000144	0.000144	0.000072
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001230	0.000432	0.000432	0.000216
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001640	0.000576	0.000576	0.000288
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.000720	0.000720	0.000360
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.000720	0.000720	0.000360
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002460	0.000864	0.000864	0.000432
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002870	0.001008	0.001008	0.000504
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003280	0.001152	0.001152	0.000576

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 9, Scenario: NULL

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		M (Males)
3. Year of start of process		1990
4. Number of simulations		1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current	2550.00	29.83	0.00	0.00			
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current	57.00	15.88	0.00	0.00			
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current	292.00	30.48	0.00	0.00			
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current	403.00	37.52	0.00	0.00			
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current	378.00	34.90	0.00	0.00			
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current	309.00	31.76	0.00	0.00			
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current	273.00	31.78	0.00	0.00			
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current	211.00	33.49	0.00	0.00			
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current	159.00	30.34	0.00	0.00			
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current	130.00	25.24	0.00	0.00			
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current	129.00	25.80	0.00	0.00			
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current	87.00	19.42	0.00	0.00			
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current	79.00	22.01	0.00	0.00			
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current	43.00	16.17	0.00	0.00			
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3879.00	42.27					
5	All Ages	Current	2696.00	29.38	162.00	6.01			
5	All Ages	Former	2602.00	28.35			15.34	172.00	6.61

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	277.00	81.71					
5	18-19	Current	60.00	17.70	0.00	0.00			
5	18-19	Former	2.00	0.59			2.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	618.00	67.54					
5	20-24	Current	265.00	28.96	1.00	0.38			
5	20-24	Former	32.00	3.50			2.66	12.00	37.50

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	526.00	54.91					
5	25-29	Current	320.00	33.40	7.00	2.19			
5	25-29	Former	112.00	11.69			5.14	16.00	14.29

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	493.00	45.90					
5	30-34	Current	378.00	35.20	11.00	2.91			
5	30-34	Former	203.00	18.90			6.32	24.00	11.82

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	469.00	43.31					
5	35-39	Current	360.00	33.24	13.00	3.61			
5	35-39	Former	254.00	23.45			7.70	24.00	9.45

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current	297.00	30.52	23.00	7.74			
5	40-44	Former	270.00	27.75			11.91	16.00	5.93

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current	237.00	27.59	11.00	4.64			
5	45-49	Former	314.00	36.55			13.35	17.00	5.41

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current	198.00	31.43	10.00	5.05			
5	50-54	Former	240.00	38.10			17.47	10.00	4.17

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current	152.00	29.01	13.00	8.55			
5	55-59	Former	217.00	41.41			16.76	10.00	4.61

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current	131.00	25.44	19.00	14.50			
5	60-64	Former	243.00	47.18			18.42	12.00	4.94

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	120.00	24.00					
5	65-69	Current	133.00	26.60	24.00	18.05			
5	65-69	Former	247.00	49.40			22.23	13.00	5.26
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current	88.00	19.64	17.00	19.32			
5	70-74	Former	254.00	56.70			22.55	7.00	2.76
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current	77.00	21.45	13.00	16.88			
5	75-79	Former	214.00	59.61			23.75	10.00	4.67
Year of Follow-up: 2000, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4089.00	43.62					
10	All Ages	Current	2668.00	28.46	258.00	9.67			
10	All Ages	Former	2618.00	27.93			16.84	168.00	6.42
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	633.00	70.65					
10	20-24	Current	243.00	27.12	1.00	0.41			
10	20-24	Former	20.00	2.23			2.10	8.00	40.00
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	567.00	61.97					
10	25-29	Current	279.00	30.49	5.00	1.79			
10	25-29	Former	69.00	7.54			4.45	13.00	18.84
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	503.00	52.51					
10	30-34	Current	309.00	32.25	12.00	3.88			
10	30-34	Former	146.00	15.24			8.01	13.00	8.90
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	489.00	45.53					
10	35-39	Current	343.00	31.94	17.00	4.96			
10	35-39	Former	242.00	22.53			9.39	19.00	7.85
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	469.00	43.31					
10	40-44	Current	329.00	30.38	21.00	6.38			
10	40-44	Former	285.00	26.32			11.08	15.00	5.26
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current	275.00	28.26	36.00	13.09			
10	45-49	Former	292.00	30.01			14.68	20.00	6.85
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	308.00	35.86					
10	50-54	Current	225.00	26.19	29.00	12.89			
10	50-54	Former	326.00	37.95			16.58	18.00	5.52
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current	192.00	30.48	20.00	10.42			
10	55-59	Former	246.00	39.05			20.96	8.00	3.25
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current	134.00	25.57	23.00	17.16			
10	60-64	Former	235.00	44.85			19.06	10.00	4.26

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current	120.00	23.30	27.00	22.50			
10	65-69	Former	254.00	49.32			21.03	11.00	4.33

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current	126.00	25.20	35.00	27.78			
10	70-74	Former	254.00	50.80			24.36	18.00	7.09

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current	93.00	20.76	32.00	34.41			
10	75-79	Former	249.00	55.58			25.24	15.00	6.02

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3876.00	43.42					
15	All Ages	Current	2515.00	28.17	333.00	13.24			
15	All Ages	Former	2536.00	28.41			18.25	149.00	5.88

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	563.00	62.83					
15	25-29	Current	281.00	31.36	4.00	1.42			
15	25-29	Former	52.00	5.80			3.56	18.00	34.62

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	536.00	58.58					
15	30-34	Current	289.00	31.58	6.00	2.08			
15	30-34	Former	90.00	9.84			7.51	8.00	8.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	497.00	51.88					
15	35-39	Current	282.00	29.44	19.00	6.74			
15	35-39	Former	179.00	18.68			10.47	19.00	10.61

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	489.00	45.53					
15	40-44	Current	318.00	29.61	24.00	7.55			
15	40-44	Former	267.00	24.86			12.85	16.00	5.99

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	469.00	43.31					
15	45-49	Current	313.00	28.90	35.00	11.18			
15	45-49	Former	301.00	27.79			14.58	13.00	4.32

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current	252.00	25.90	43.00	17.06			
15	50-54	Former	315.00	32.37			17.34	19.00	6.03

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current	227.00	26.43	45.00	19.82			
15	55-59	Former	324.00	37.72			19.98	13.00	4.01

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	192.00	30.48					
15	60-64	Current	176.00	27.94	29.00	16.48			
15	60-64	Former	262.00	41.59			23.06	16.00	6.11
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current	124.00	23.66	33.00	26.61			
15	65-69	Former	245.00	46.76			21.73	10.00	4.08
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current	125.00	24.27	44.00	35.20			
15	70-74	Former	249.00	48.35			23.98	4.00	1.61
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current	128.00	25.60	51.00	39.84			
15	75-79	Former	252.00	50.40			25.65	13.00	5.16
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3708.00	44.00					
20	All Ages	Current	2295.00	27.23	394.00	17.17			
20	All Ages	Former	2424.00	28.76			19.63	118.00	4.87
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	527.00	58.82					
20	30-34	Current	291.00	32.48	5.00	1.72			
20	30-34	Former	78.00	8.71			6.28	11.00	14.10
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	524.00	57.27					
20	35-39	Current	274.00	29.95	10.00	3.65			
20	35-39	Former	117.00	12.79			9.86	10.00	8.55
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	497.00	51.88					
20	40-44	Current	266.00	27.77	25.00	9.40			
20	40-44	Former	195.00	20.35			14.13	8.00	4.10
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	489.00	45.53					
20	45-49	Current	302.00	28.12	36.00	11.92			
20	45-49	Former	283.00	26.35			16.29	5.00	1.77
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	469.00	43.31					
20	50-54	Current	298.00	27.52	48.00	16.11			
20	50-54	Former	316.00	29.18			17.87	16.00	5.06
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current	242.00	24.87	64.00	26.45			
20	55-59	Former	325.00	33.40			20.06	15.00	4.62

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current	217.00	25.26	63.00	29.03			
20	60-64	Former	334.00	38.88			22.04	14.00	4.19

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current	162.00	25.71	40.00	24.69			
20	65-69	Former	276.00	43.81			24.22	18.00	6.52

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current	121.00	23.09	45.00	37.19			
20	70-74	Former	248.00	47.33			23.56	14.00	5.65

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current	122.00	23.69	58.00	47.54			
20	75-79	Former	252.00	48.93			25.90	7.00	2.78

****

Main Output for the Smoking History Summarized over Simulations for Run: 9, Scenario: MRTP

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	3435.00	40.18					
0	All Ages	Current CC	2550.00	29.83	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	2563.00	29.98			13.27	386.00	15.06

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	290.00	80.78					
0	18-19	Current CC	57.00	15.88	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	12.00	3.34			0.00	12.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	584.00	60.96					
0	20-24	Current CC	292.00	30.48	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	82.00	8.56			1.57	42.00	51.22

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	512.00	47.67					
0	25-29	Current CC	403.00	37.52	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	159.00	14.80			2.97	64.00	40.25

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	482.00	44.51					
0	30-34	Current CC	378.00	34.90	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	223.00	20.59			3.91	67.00	30.04

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	406.00	41.73					
0	35-39	Current CC	309.00	31.76	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	258.00	26.52			8.25	47.00	18.22

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	308.00	35.86					
0	40-44	Current CC	273.00	31.78	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	278.00	32.36			10.36	42.00	15.11

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	192.00	30.48					
0	45-49	Current CC	211.00	33.49	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	227.00	36.03			13.96	15.00	6.61

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	155.00	29.58					
0	50-54	Current CC	159.00	30.34	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	210.00	40.08			13.70	35.00	16.67

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	141.00	27.38					
0	55-59	Current CC	130.00	25.24	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	244.00	47.38			14.78	26.00	10.66

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	120.00	24.00					
0	60-64	Current CC	129.00	25.80	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	251.00	50.20			18.82	12.00	4.78

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	106.00	23.66					
0	65-69	Current CC	87.00	19.42	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	255.00	56.92			19.42	11.00	4.31

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	68.00	18.94					
0	70-74	Current CC	79.00	22.01	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	212.00	59.05			20.58	4.00	1.89

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	71.00	26.69					
0	75-79	Current CC	43.00	16.17	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	152.00	57.14			25.16	9.00	5.92

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	3901.00	42.51					
5	All Ages	Current CC	2542.00	27.70	223.00	7.95			
5	All Ages	Current MRTP	169.00	1.84					
5	All Ages	Current Dual	95.00	1.04					
5	All Ages	Former	2470.00	26.92			15.70	128.00	5.18

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	279.00	82.30					
5	18-19	Current CC	41.00	12.09	0.00	0.00			
5	18-19	Current MRTP	7.00	2.06					
5	18-19	Current Dual	10.00	2.95					
5	18-19	Former	2.00	0.59			1.00	1.00	50.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	619.00	67.65					
5	20-24	Current CC	240.00	26.23	3.00	1.12			
5	20-24	Current MRTP	15.00	1.64					
5	20-24	Current Dual	13.00	1.42					
5	20-24	Former	28.00	3.06			3.11	7.00	25.00
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	535.00	55.85					
5	25-29	Current CC	283.00	29.54	7.00	2.22			
5	25-29	Current MRTP	23.00	2.40					
5	25-29	Current Dual	10.00	1.04					
5	25-29	Former	107.00	11.17			5.04	17.00	15.89
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	494.00	46.00					
5	30-34	Current CC	362.00	33.71	12.00	3.08			
5	30-34	Current MRTP	18.00	1.68					
5	30-34	Current Dual	9.00	0.84					
5	30-34	Former	191.00	17.78			6.62	19.00	9.95
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	478.00	44.14					
5	35-39	Current CC	344.00	31.76	18.00	5.01			
5	35-39	Current MRTP	11.00	1.02					
5	35-39	Current Dual	4.00	0.37					
5	35-39	Former	246.00	22.71			7.80	19.00	7.72
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	406.00	41.73					
5	40-44	Current CC	289.00	29.70	22.00	7.12			
5	40-44	Current MRTP	14.00	1.44					
5	40-44	Current Dual	6.00	0.62					
5	40-44	Former	258.00	26.52			12.38	9.00	3.49
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	308.00	35.86					
5	45-49	Current CC	242.00	28.17	22.00	8.27			
5	45-49	Current MRTP	15.00	1.75					
5	45-49	Current Dual	9.00	1.05					
5	45-49	Former	285.00	33.18			13.87	9.00	3.16
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	192.00	30.48					
5	50-54	Current CC	200.00	31.75	21.00	9.63			
5	50-54	Current MRTP	11.00	1.75					
5	50-54	Current Dual	7.00	1.11					
5	50-54	Former	220.00	34.92			17.99	4.00	1.82
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	155.00	29.58					
5	55-59	Current CC	144.00	27.48	21.00	13.21			
5	55-59	Current MRTP	9.00	1.72					
5	55-59	Current Dual	6.00	1.15					
5	55-59	Former	210.00	40.08			16.88	14.00	6.67
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	141.00	27.38					
5	60-64	Current CC	118.00	22.91	22.00	16.06			
5	60-64	Current MRTP	12.00	2.33					
5	60-64	Current Dual	7.00	1.36					
5	60-64	Former	237.00	46.02			19.11	6.00	2.53
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	120.00	24.00					
5	65-69	Current CC	120.00	24.00	19.00	14.29			
5	65-69	Current MRTP	8.00	1.60					
5	65-69	Current Dual	5.00	1.00					
5	65-69	Former	247.00	49.40			22.28	9.00	3.64
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

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					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	106.00	23.66					
5	70-74	Current CC	81.00	18.08	30.00	30.00			
5	70-74	Current MRTP	15.00	3.35					
5	70-74	Current Dual	4.00	0.89					
5	70-74	Former	242.00	54.02			22.85	8.00	3.31
Year of Follow-up: 1995, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	68.00	18.94					
5	75-79	Current CC	78.00	21.73	26.00	27.66			
5	75-79	Current MRTP	11.00	3.06					
5	75-79	Current Dual	5.00	1.39					
5	75-79	Former	197.00	54.87			24.13	6.00	3.05
Year of Follow-up: 2000, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4073.00	43.45					
10	All Ages	Current CC	2408.00	25.69	365.00	12.44			
10	All Ages	Current MRTP	323.00	3.45					
10	All Ages	Current Dual	202.00	2.15					
10	All Ages	Former	2369.00	25.27			17.53	140.00	5.91
Year of Follow-up: 2000, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2000, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	627.00	69.98					
10	20-24	Current CC	174.00	19.42	0.00	0.00			
10	20-24	Current MRTP	36.00	4.02					
10	20-24	Current Dual	43.00	4.80					
10	20-24	Former	16.00	1.79			2.19	7.00	43.75
Year of Follow-up: 2000, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	553.00	60.44					
10	25-29	Current CC	248.00	27.10	7.00	2.25			
10	25-29	Current MRTP	28.00	3.06					
10	25-29	Current Dual	35.00	3.83					
10	25-29	Former	51.00	5.57			5.06	13.00	25.49
Year of Follow-up: 2000, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	499.00	52.09					
10	30-34	Current CC	263.00	27.45	12.00	3.64			
10	30-34	Current MRTP	43.00	4.49					
10	30-34	Current Dual	24.00	2.51					
10	30-34	Former	129.00	13.47			8.20	11.00	8.53
Year of Follow-up: 2000, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	488.00	45.44					
10	35-39	Current CC	332.00	30.91	28.00	7.37			
10	35-39	Current MRTP	34.00	3.17					
10	35-39	Current Dual	14.00	1.30					
10	35-39	Former	206.00	19.18			10.12	14.00	6.80
Year of Follow-up: 2000, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	478.00	44.14					
10	40-44	Current CC	298.00	27.52	39.00	11.50			
10	40-44	Current MRTP	30.00	2.77					
10	40-44	Current Dual	11.00	1.02					
10	40-44	Former	266.00	24.56			10.89	21.00	7.89
Year of Follow-up: 2000, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	406.00	41.73					
10	45-49	Current CC	269.00	27.65	31.00	10.37			
10	45-49	Current MRTP	22.00	2.26					
10	45-49	Current Dual	8.00	0.82					
10	45-49	Former	268.00	27.54			16.14	11.00	4.10
Year of Follow-up: 2000, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	308.00	35.86					
10	50-54	Current CC	224.00	26.08	53.00	19.27			
10	50-54	Current MRTP	33.00	3.84					
10	50-54	Current Dual	18.00	2.10					
10	50-54	Former	276.00	32.13			17.24	5.00	1.81
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	192.00	30.48					
10	55-59	Current CC	176.00	27.94	36.00	17.22			
10	55-59	Current MRTP	25.00	3.97					
10	55-59	Current Dual	8.00	1.27					
10	55-59	Former	229.00	36.35			20.67	7.00	3.06
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	155.00	29.58					
10	60-64	Current CC	131.00	25.00	28.00	18.54			
10	60-64	Current MRTP	14.00	2.67					
10	60-64	Current Dual	6.00	1.15					
10	60-64	Former	218.00	41.60			19.83	10.00	4.59
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	141.00	27.38					
10	65-69	Current CC	110.00	21.36	37.00	26.43			
10	65-69	Current MRTP	19.00	3.69					
10	65-69	Current Dual	11.00	2.14					
10	65-69	Former	234.00	45.44			21.94	11.00	4.70
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	120.00	24.00					
10	70-74	Current CC	114.00	22.80	44.00	31.43			
10	70-74	Current MRTP	14.00	2.80					
10	70-74	Current Dual	12.00	2.40					
10	70-74	Former	240.00	48.00			24.50	17.00	7.08
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	106.00	23.66					
10	75-79	Current CC	69.00	15.40	50.00	47.17			
10	75-79	Current MRTP	25.00	5.58					
10	75-79	Current Dual	12.00	2.68					
10	75-79	Former	236.00	52.68			25.65	13.00	5.51
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	3868.00	43.33					
15	All Ages	Current CC	2157.00	24.16	422.00	15.13			
15	All Ages	Current MRTP	418.00	4.68					
15	All Ages	Current Dual	215.00	2.41					
15	All Ages	Former	2269.00	25.42			18.80	137.00	6.04
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	565.00	63.06					
15	25-29	Current CC	183.00	20.42	2.00	0.68			
15	25-29	Current MRTP	58.00	6.47					
15	25-29	Current Dual	52.00	5.80					
15	25-29	Former	38.00	4.24			4.08	9.00	23.68
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	525.00	57.38					

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15	30-34	Current CC	235.00	25.68	13.00	4.10			
15	30-34	Current MRTP	41.00	4.48					
15	30-34	Current Dual	41.00	4.48					
15	30-34	Former	73.00	7.98			6.96	13.00	17.81
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	490.00	51.15					
15	35-39	Current CC	242.00	25.26	26.00	8.02			
15	35-39	Current MRTP	51.00	5.32					
15	35-39	Current Dual	31.00	3.24					
15	35-39	Former	144.00	15.03			11.08	11.00	7.64
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	488.00	45.44					
15	40-44	Current CC	298.00	27.75	35.00	9.94			
15	40-44	Current MRTP	41.00	3.82					
15	40-44	Current Dual	13.00	1.21					
15	40-44	Former	234.00	21.79			12.76	14.00	5.98
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	478.00	44.14					
15	45-49	Current CC	275.00	25.39	58.00	17.16			
15	45-49	Current MRTP	49.00	4.52					
15	45-49	Current Dual	14.00	1.29					
15	45-49	Former	267.00	24.65			14.73	11.00	4.12
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	406.00	41.73					
15	50-54	Current CC	230.00	23.64	41.00	14.91			
15	50-54	Current MRTP	33.00	3.39					
15	50-54	Current Dual	12.00	1.23					
15	50-54	Former	292.00	30.01			18.46	13.00	4.45
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	308.00	35.86					
15	55-59	Current CC	202.00	23.52	58.00	22.39			
15	55-59	Current MRTP	42.00	4.89					
15	55-59	Current Dual	15.00	1.75					
15	55-59	Former	292.00	33.99			19.92	18.00	6.16
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	192.00	30.48					
15	60-64	Current CC	162.00	25.71	45.00	22.39			
15	60-64	Current MRTP	32.00	5.08					
15	60-64	Current Dual	7.00	1.11					
15	60-64	Former	237.00	37.62			22.41	16.00	6.75
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	155.00	29.58					
15	65-69	Current CC	123.00	23.47	39.00	26.17			
15	65-69	Current MRTP	17.00	3.24					
15	65-69	Current Dual	9.00	1.72					
15	65-69	Former	220.00	41.98			22.52	9.00	4.09
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	141.00	27.38					
15	70-74	Current CC	100.00	19.42	47.00	33.81			
15	70-74	Current MRTP	31.00	6.02					
15	70-74	Current Dual	8.00	1.55					
15	70-74	Former	235.00	45.63			24.60	11.00	4.68
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	120.00	24.00					
15	75-79	Current CC	107.00	21.40	58.00	40.56			
15	75-79	Current MRTP	23.00	4.60					
15	75-79	Current Dual	13.00	2.60					
15	75-79	Former	237.00	47.40			26.30	12.00	5.06
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	3720.00	44.14					
20	All Ages	Current CC	1842.00	21.86	488.00	19.11			

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20	All Ages	Current MRTP	487.00	5.78					
20	All Ages	Current Dual	225.00	2.67					
20	All Ages	Former	2153.00	25.55			19.38	150.00	6.97
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	547.00	61.05					
20	30-34	Current CC	172.00	19.20	9.00	3.18			
20	30-34	Current MRTP	59.00	6.58					
20	30-34	Current Dual	52.00	5.80					
20	30-34	Former	66.00	7.37			5.76	16.00	24.24
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	515.00	56.28					
20	35-39	Current CC	210.00	22.95	17.00	5.57			
20	35-39	Current MRTP	53.00	5.79					
20	35-39	Current Dual	42.00	4.59					
20	35-39	Former	95.00	10.38			8.43	16.00	16.84
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	490.00	51.15					
20	40-44	Current CC	219.00	22.86	29.00	9.48			
20	40-44	Current MRTP	56.00	5.85					
20	40-44	Current Dual	31.00	3.24					
20	40-44	Former	162.00	16.91			13.60	9.00	5.56
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	488.00	45.44					
20	45-49	Current CC	275.00	25.61	41.00	12.35			
20	45-49	Current MRTP	46.00	4.28					
20	45-49	Current Dual	11.00	1.02					
20	45-49	Former	254.00	23.65			15.45	20.00	7.87
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	478.00	44.14					
20	50-54	Current CC	248.00	22.90	72.00	22.50			
20	50-54	Current MRTP	54.00	4.99					
20	50-54	Current Dual	18.00	1.66					
20	50-54	Former	285.00	26.32			17.07	13.00	4.56
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	406.00	41.73					
20	55-59	Current CC	203.00	20.86	58.00	21.64			
20	55-59	Current MRTP	48.00	4.93					
20	55-59	Current Dual	17.00	1.75					
20	55-59	Former	299.00	30.73			20.67	17.00	5.69
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	308.00	35.86					
20	60-64	Current CC	184.00	21.42	67.00	26.91			
20	60-64	Current MRTP	49.00	5.70					

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	16.00	1.86					
20	60-64	Former	302.00	35.16			21.68	18.00	5.96

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	192.00	30.48					
20	65-69	Current CC	138.00	21.90	65.00	32.99			
20	65-69	Current MRTP	46.00	7.30					
20	65-69	Current Dual	13.00	2.06					
20	65-69	Former	241.00	38.25			23.47	15.00	6.22

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	155.00	29.58					
20	70-74	Current CC	110.00	20.99	59.00	38.56			
20	70-74	Current MRTP	34.00	6.49					
20	70-74	Current Dual	9.00	1.72					
20	70-74	Former	216.00	41.22			24.92	11.00	5.09

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	141.00	27.38					
20	75-79	Current CC	83.00	16.12	71.00	50.35			
20	75-79	Current MRTP	42.00	8.16					
20	75-79	Current Dual	16.00	3.11					
20	75-79	Former	233.00	45.24			24.84	15.00	6.44

****

Main Results for E-Component Summarized over Simulations for Run: 9

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	317161	125829.961	125829.961	0.000	0.000	0.000	4990.74	1980.02	1980.02	0.000
1991	313217	124132.583	124180.385	-47.802	-0.015	-0.039	4845.61	1920.39	1921.13	-0.740
1992	308577	122143.718	122213.381	-69.662	-0.023	-0.057	4692.62	1857.47	1858.53	-1.059
1993	311713	123269.216	123365.301	-96.084	-0.031	-0.078	4656.77	1841.55	1842.99	-1.435
1994	305700	120480.723	120673.779	-193.056	-0.063	-0.160	4482.57	1766.64	1769.47	-2.831
1995	303225	118666.569	118909.633	-243.064	-0.080	-0.205	4361.58	1706.89	1710.39	-3.496
1996	299559	116607.195	116960.717	-353.522	-0.118	-0.303	4242.85	1651.58	1656.59	-5.007
1997	294226	114665.051	115128.201	-463.150	-0.157	-0.404	4100.64	1598.09	1604.54	-6.455
1998	289258	113038.380	113627.517	-589.137	-0.204	-0.521	3966.28	1549.97	1558.05	-8.078
1999	311002	117067.463	117758.450	-690.988	-0.222	-0.590	4198.14	1580.27	1589.59	-9.327
2000	303786	114977.407	115776.249	-798.842	-0.263	-0.695	4041.13	1529.49	1540.12	-10.627
2001	296294	113047.319	113987.064	-939.745	-0.317	-0.831	3890.54	1484.39	1496.73	-12.339
2002	291898	111744.742	112752.842	-1008.10	-0.345	-0.902	3789.34	1450.64	1463.73	-13.087
2003	285865	110551.854	111689.250	-1137.40	-0.398	-1.029	3671.31	1419.80	1434.40	-14.607
2004	274177	107418.262	108617.632	-1199.37	-0.437	-1.117	3481.92	1364.16	1379.39	-15.231
2005	272379	107678.770	108894.309	-1215.54	-0.446	-1.129	3417.44	1351.01	1366.26	-15.251
2006	264118	104357.806	105629.303	-1271.50	-0.481	-1.218	3281.83	1296.71	1312.51	-15.799
2007	258419	102690.449	104014.906	-1324.46	-0.513	-1.290	3176.05	1262.10	1278.38	-16.278
2008	259461	103492.166	104747.624	-1255.46	-0.484	-1.213	3150.91	1256.82	1272.06	-15.246
2009	253907	101384.044	102509.124	-1125.08	-0.443	-1.110	3045.20	1215.94	1229.43	-13.494

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	5813942	2273243.679	2287265.630	-14022.0	-0.241	-0.617	3927.78	1535.76	1545.23	-9.473

****

Main Results for E-Component Summarized over Simulations for Run: 9

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	78822	63444.407	63444.407	0.000	0.000	0.000	1240.32	998.340	998.340	0.000
1991	78462	63068.786	63071.465	-2.679	-0.003	-0.004	1213.84	975.702	975.744	-0.041
1992	77987	62535.347	62538.637	-3.289	-0.004	-0.005	1185.97	950.993	951.043	-0.050
1993	78542	62883.111	62888.934	-5.823	-0.007	-0.009	1173.36	939.428	939.515	-0.087
1994	77437	61805.804	61824.956	-19.152	-0.025	-0.031	1135.48	906.276	906.557	-0.281
1995	76904	61145.799	61169.775	-23.976	-0.031	-0.039	1106.18	879.519	879.863	-0.345
1996	76232	60385.323	60433.389	-48.066	-0.063	-0.080	1079.72	855.277	855.958	-0.681
1997	75473	59549.806	59641.214	-91.408	-0.121	-0.153	1051.87	829.947	831.221	-1.274
1998	75381	59292.315	59386.862	-94.547	-0.125	-0.159	1033.62	813.010	814.306	-1.296
1999	73159	57398.351	57490.366	-92.015	-0.126	-0.160	987.557	774.807	776.049	-1.242
2000	73784	57716.549	57810.339	-93.790	-0.127	-0.163	981.515	767.777	769.024	-1.248
2001	73294	57211.877	57344.262	-132.384	-0.181	-0.231	962.399	751.230	752.968	-1.738
2002	72442	56438.810	56582.543	-143.733	-0.198	-0.255	940.422	732.673	734.539	-1.866
2003	71942	55948.341	56165.075	-216.734	-0.301	-0.387	923.937	718.533	721.317	-2.783
2004	71301	55339.218	55580.865	-241.647	-0.339	-0.437	905.490	702.783	705.852	-3.069
2005	70964	54964.459	55231.119	-266.660	-0.376	-0.485	890.360	689.620	692.965	-3.346
2006	69658	53781.526	54083.519	-301.992	-0.434	-0.562	865.543	668.268	672.021	-3.752
2007	68565	52784.985	53127.477	-342.493	-0.500	-0.649	842.687	648.745	652.954	-4.209
2008	68226	52470.692	52778.927	-308.235	-0.452	-0.587	828.542	637.208	640.951	-3.743
2009	67509	51823.021	52112.237	-289.216	-0.428	-0.558	809.661	621.533	625.002	-3.469

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	1476084	1159988.529	1162706.370	-2717.84	-0.184	-0.234	997.213	783.665	785.501	-1.836

****

Main Results for E-Component Summarized over Simulations for Run: 9

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	171484	38382.899	38382.899	0.000	0.000	0.000	2698.42	603.981	603.981	0.000
1991	168044	37067.384	37103.078	-35.693	-0.021	-0.096	2599.72	573.449	574.001	-0.552
1992	164548	35863.851	35916.512	-52.660	-0.032	-0.147	2502.33	545.392	546.193	-0.801
1993	164362	35459.800	35530.683	-70.883	-0.043	-0.200	2455.45	529.744	530.803	-1.059
1994	159866	34293.631	34428.287	-134.655	-0.084	-0.393	2344.16	502.857	504.832	-1.974
1995	158083	33531.695	33705.950	-174.255	-0.110	-0.520	2273.86	482.318	484.825	-2.506
1996	154875	32438.163	32673.513	-235.350	-0.152	-0.726	2193.60	459.443	462.776	-3.333
1997	149970	31179.663	31452.878	-273.215	-0.182	-0.876	2090.14	434.552	438.360	-3.808
1998	145407	29860.736	30245.528	-384.791	-0.265	-1.289	1993.81	409.447	414.724	-5.276
1999	165952	34413.904	34911.594	-497.689	-0.300	-1.446	2240.15	464.545	471.264	-6.718
2000	160260	33265.290	33867.847	-602.557	-0.376	-1.811	2131.87	442.513	450.528	-8.016
2001	154444	32074.102	32736.927	-662.825	-0.429	-2.067	2027.95	421.154	429.858	-8.703
2002	151887	31817.956	32527.360	-709.403	-0.467	-2.230	1971.76	413.052	422.261	-9.209
2003	146733	31025.931	31727.146	-701.215	-0.478	-2.260	1884.46	398.460	407.465	-9.006
2004	138381	29503.602	30217.945	-714.342	-0.516	-2.421	1757.38	374.682	383.754	-9.072
2005	135881	29077.894	29774.952	-697.058	-0.513	-2.397	1704.85	364.830	373.576	-8.746
2006	131922	28385.448	29081.410	-695.963	-0.528	-2.452	1639.21	352.707	361.354	-8.648
2007	126502	27327.625	27985.780	-658.155	-0.520	-2.408	1554.75	335.866	343.954	-8.089
2008	125859	27025.472	27668.925	-643.453	-0.511	-2.381	1528.44	328.199	336.014	-7.814
2009	122428	26361.626	26925.843	-564.217	-0.461	-2.140	1468.33	316.165	322.932	-6.767

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	2996888	638356.673	646865.055	-8508.38	-0.284	-1.333	2024.64	431.261	437.009	-5.748

****

Main Results for E-Component Summarized over Simulations for Run: 9

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 9 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	32862	4587.597	4587.597	0.000	0.000	0.000	517.106	72.189	72.189	0.000
1991	32619	4487.983	4494.659	-6.676	-0.020	-0.149	504.630	69.431	69.534	-0.103
1992	32100	4371.196	4380.467	-9.271	-0.029	-0.212	488.154	66.474	66.615	-0.141
1993	32896	4414.136	4423.978	-9.842	-0.030	-0.223	491.442	65.944	66.091	-0.147
1994	33323	4474.895	4492.355	-17.460	-0.052	-0.390	488.625	65.617	65.873	-0.256
1995	33569	4476.290	4496.290	-20.000	-0.060	-0.447	482.855	64.387	64.674	-0.288
1996	33870	4489.078	4516.091	-27.013	-0.080	-0.602	479.723	63.582	63.964	-0.383
1997	33516	4444.866	4467.683	-22.816	-0.068	-0.513	467.113	61.948	62.266	-0.318
1998	32795	4313.427	4365.819	-52.392	-0.160	-1.215	449.682	59.145	59.864	-0.718
1999	33375	4232.739	4288.212	-55.473	-0.166	-1.311	450.521	57.137	57.886	-0.749
2000	33459	4307.577	4391.542	-83.965	-0.251	-1.949	445.090	57.302	58.419	-1.117
2001	32275	4136.308	4237.231	-100.922	-0.313	-2.440	423.792	54.312	55.638	-1.325
2002	31586	4079.175	4198.433	-119.258	-0.378	-2.924	410.041	52.955	54.503	-1.548
2003	30985	4096.221	4202.465	-106.244	-0.343	-2.594	397.934	52.607	53.971	-1.364
2004	29884	4034.217	4145.185	-110.968	-0.371	-2.751	379.513	51.233	52.642	-1.409
2005	28708	3944.303	4048.414	-104.112	-0.363	-2.640	360.189	49.488	50.794	-1.306
2006	28188	3970.169	4067.527	-97.358	-0.345	-2.452	350.253	49.332	50.542	-1.210
2007	28026	3957.558	4045.449	-87.891	-0.314	-2.221	344.449	48.640	49.720	-1.080
2008	27128	3812.302	3908.767	-96.465	-0.356	-2.530	329.444	46.297	47.468	-1.171
2009	27068	3827.467	3908.422	-80.955	-0.299	-2.115	324.637	45.904	46.875	-0.971

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	628232	84457.504	85666.584	-1209.08	-0.192	-1.432	424.421	57.058	57.875	-0.817

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Main Results for E-Component Summarized over Simulations for Run: 9

Variable Parameter	Value
1. Country	US (United States)
2. Sex	M (Males)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33993	19415.059	19415.059	0.000	0.000	0.000	534.903	305.509	305.509	0.000
1991	34092	19508.431	19511.184	-2.753	-0.008	-0.014	527.418	301.804	301.847	-0.043
1992	33942	19373.324	19377.765	-4.442	-0.013	-0.023	516.166	294.616	294.683	-0.068
1993	35913	20512.169	20521.705	-9.536	-0.027	-0.046	536.514	306.437	306.579	-0.142
1994	35074	19906.392	19928.181	-21.789	-0.062	-0.109	514.300	291.893	292.213	-0.319
1995	34669	19512.784	19537.618	-24.834	-0.072	-0.127	498.677	280.671	281.028	-0.357
1996	34582	19294.631	19337.723	-43.093	-0.125	-0.223	489.808	273.283	273.893	-0.610
1997	35267	19490.717	19566.427	-75.710	-0.215	-0.388	491.517	271.643	272.698	-1.055
1998	35675	19571.902	19629.309	-57.407	-0.161	-0.293	489.172	268.368	269.155	-0.787
1999	38516	21022.469	21068.279	-45.811	-0.119	-0.218	519.919	283.777	284.396	-0.618
2000	36283	19687.992	19706.521	-18.529	-0.051	-0.094	482.656	261.900	262.147	-0.246
2001	36281	19625.032	19668.644	-43.613	-0.120	-0.222	476.394	257.690	258.262	-0.573
2002	35983	19408.801	19444.506	-35.705	-0.099	-0.184	467.122	251.960	252.423	-0.464
2003	36205	19481.360	19594.564	-113.204	-0.313	-0.581	464.974	250.195	251.649	-1.454
2004	34611	18541.224	18673.638	-132.413	-0.383	-0.714	439.544	235.465	237.147	-1.682
2005	36826	19692.114	19839.823	-147.709	-0.401	-0.750	462.043	247.070	248.923	-1.853
2006	34350	18220.663	18396.847	-176.184	-0.513	-0.967	426.820	226.403	228.592	-2.189
2007	35326	18620.282	18856.200	-235.919	-0.668	-1.267	434.168	228.849	231.749	-2.900
2008	38248	20183.701	20391.006	-207.305	-0.542	-1.027	464.487	245.112	247.630	-2.518
2009	36902	19371.930	19562.622	-190.692	-0.517	-0.984	442.580	232.335	234.622	-2.287

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	712738	390440.974	392027.621	-1586.65	-0.223	-0.406	481.512	263.774	264.846	-1.072

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

System Date and Time: 20160420_113749
User: JohnH
SAS Version: 9.4
Project: Population Health Impact Model 4.0

Fixed Age of Starting Smoking = 16

Control File Details for Run: 10

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of months of follow-up	240
5. Follow-up interval length (in months)	12
6. Lower age for risk estimation	10
7. Upper age for risk estimation	79
8. The effective dose for MRTP only (F)	0.2
9. The effective dose for Dual use (G)	1.7
10. STP factor 1	2
11. STP factor 2	2
12. STP factor 3	2
13. Definition of short-term	2
14. Number in population to be simulated	10000
15. Number of MC simulations	1
16. The random number seed for the first simulation	15975263
17. Source for the population file (POP)	UN
18. Source for the current smoking prevalence file (CSP)	ISS
19. Source for the former smoking prevalence file (FSP)	ISS
20. Source for the quit-time distribution file (QTD)	NHIS2006
21. Source for the death file (MORT)	DEC-14
22. Source for the relative risk file (RR)	PNLEST
23. Source for the half-life file (H)	PNLEST
24. Assumption Set for STP Null	GUESSNULL1
25. Assumption Set for STP MRTP	APP19A5
26. Source for Output Choice file (OUTC)	BASIC
27. Output for DTP P1	N
28. Output for DTP P2	N
29. Output for Main P Component	Y
30. Output for DTP E1	N
31. Output for DTP E2	N
32. Output for DTP E3	N
33. Output for Main E Component	Y
34. Output file name	Appendix_19_Zero_benefit_estimation
35. Results file for P-Component	NA
36. Results file for E-Component	NA
37. Components required	PE
38. Results file for P to be used in E-Component	-
39. STP factor 4	0
40. Definition of short-term MRTP	2

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STP values for Run: 10, Scenario: STP_NULL

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Assumption Set	GUESSNULL1

		Initiation	Switch from Current	Re-initiation
Age	Period	Never	Current	Former
		Current	Former	Current
10-14	1-3	0.002000	0.000500	0.000240
15-19	1-3	0.003500	0.001500	0.000720
20-24	1-3	0.002000	0.002000	0.000960
25-29	1-3	0.001000	0.002000	0.000960
30-34	1-3	0.000500	0.002000	0.000960
35-39	1-3	0.000000	0.002000	0.000960
40-44	1-3	0.000000	0.002000	0.000960
45-49	1-3	0.000000	0.002000	0.000960
50-54	1-3	0.000000	0.002000	0.000960
55-59	1-3	0.000000	0.002500	0.001200
60-64	1-3	0.000000	0.002500	0.001200
65-69	1-3	0.000000	0.003000	0.001440
70-74	1-3	0.000000	0.003500	0.001680
75-79	1-3	0.000000	0.004000	0.001920
10-14	4+	0.002000	0.000500	0.000240
15-19	4+	0.003500	0.001500	0.000720
20-24	4+	0.002000	0.002000	0.000960
25-29	4+	0.001000	0.002000	0.000960

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

30-34	4+	0.000500	0.002000	0.000960
35-39	4+	0.000000	0.002000	0.000960
40-44	4+	0.000000	0.002000	0.000960
45-49	4+	0.000000	0.002000	0.000960
50-54	4+	0.000000	0.002000	0.000960
55-59	4+	0.000000	0.002500	0.001200
60-64	4+	0.000000	0.002500	0.001200
65-69	4+	0.000000	0.003000	0.001440
70-74	4+	0.000000	0.003500	0.001680
75-79	4+	0.000000	0.004000	0.001920

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STP values for Run: 10, Scenario: STP_MRTP

Variable	**Parameter**	**Value**
1. Country		US (United States)
2. Sex		F (Females)
3. Assumption Set		APP19A5

		Initiation	Switch from Current CC					Re-initiation		
Age	Period	Never	Never	Never	Curr CC	Curr CC	Curr CC	Former	Former	Former
		Curr CC	Curr Mrtp	Curr Dual	Curr Mrtp	Curr Dual	Former	Curr CC	Curr Mrtp	Curr Dual
10-14	1-24	0.001840	0.000080	0.000080	0.000150	0.000030	0.000410	0.000216	0.000072	0.000072
15-19	1-24	0.002940	0.000280	0.000280	0.000200	0.000040	0.001230	0.000648	0.000216	0.000216
20-24	1-24	0.001520	0.000240	0.000240	0.000300	0.000060	0.001640	0.000864	0.000288	0.000288
25-29	1-24	0.000680	0.000160	0.000160	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
30-34	1-24	0.000300	0.000100	0.000100	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
35-39	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
40-44	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
45-49	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
50-54	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000864	0.000288	0.000288
55-59	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.001080	0.000360	0.000360
60-64	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.001080	0.000360	0.000360
65-69	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002460	0.001296	0.000432	0.000432
70-74	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.002870	0.001512	0.000504	0.000504
75-79	1-24	0.000000	0.000000	0.000000	0.000450	0.000090	0.003280	0.001728	0.000576	0.000576
10-14	25+	0.001680	0.000160	0.000160	0.000150	0.000030	0.000410	0.000144	0.000144	0.000072
15-19	25+	0.002380	0.000560	0.000560	0.000200	0.000040	0.001230	0.000432	0.000432	0.000216
20-24	25+	0.001040	0.000480	0.000480	0.000300	0.000060	0.001640	0.000576	0.000576	0.000288
25-29	25+	0.000360	0.000320	0.000320	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
30-34	25+	0.000100	0.000200	0.000200	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
35-39	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
40-44	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
45-49	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
50-54	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.001640	0.000576	0.000576	0.000288
55-59	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.000720	0.000720	0.000360
60-64	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002050	0.000720	0.000720	0.000360
65-69	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002460	0.000864	0.000864	0.000432
70-74	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.002870	0.001008	0.001008	0.000504
75-79	25+	0.000000	0.000000	0.000000	0.000450	0.000090	0.003280	0.001152	0.001152	0.000576

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		Switch from Current Mrtp			Switch from Current Dual		
Age	Period	Curr Mrtp	Curr Mrtp	Curr Mrtp	Curr Dual	Curr Dual	Curr Dual
		Curr CC	Curr Dual	Former	Curr CC	Curr Mrtp	Former
10-14	1-24	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	1-24	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	1-24	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	1-24	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	1-24	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	1-24	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	1-24	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000
10-14	25+	0.000400	0.000400	0.000500	0.000400	0.000400	0.000500
15-19	25+	0.000400	0.000400	0.001500	0.000400	0.000400	0.001500
20-24	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
25-29	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
30-34	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
35-39	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
40-44	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
45-49	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
50-54	25+	0.000400	0.000400	0.002000	0.000400	0.000400	0.002000
55-59	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
60-64	25+	0.000400	0.000400	0.002500	0.000400	0.000400	0.002500
65-69	25+	0.000400	0.000400	0.003000	0.000400	0.000400	0.003000
70-74	25+	0.000400	0.000400	0.003500	0.000400	0.000400	0.003500
75-79	25+	0.000400	0.000400	0.004000	0.000400	0.000400	0.004000

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

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Main Output for the Smoking History Summarized over Simulations for Run: 10, Scenario: NULL

Variable	Parameter	Value
1. Country		US (United States)
2. Sex		F (Females)
3. Year of start of process		1990
4. Number of simulations		1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current	2058.00	23.75	0.00	0.00			
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current	53.00	16.51	0.00	0.00			
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current	211.00	25.39	0.00	0.00			
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current	290.00	29.03	0.00	0.00			
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current	342.00	30.48	0.00	0.00			
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current	241.00	24.85	0.00	0.00			
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current	206.00	25.40	0.00	0.00			
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current	166.00	26.73	0.00	0.00			
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current	145.00	27.10	0.00	0.00			
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current	110.00	22.54	0.00	0.00			
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current	113.00	21.08	0.00	0.00			
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current	81.00	15.03	0.00	0.00			
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current	55.00	11.32	0.00	0.00			
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current	45.00	11.11	0.00	0.00			
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4861.00	53.54					
5	All Ages	Current	2229.00	24.55	120.00	5.38			
5	All Ages	Former	1990.00	21.92			14.73	120.00	6.03

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	254.00	85.23					
5	18-19	Current	43.00	14.43	0.00	0.00			
5	18-19	Former	1.00	0.34			0.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	550.00	65.17					
5	20-24	Current	259.00	30.69	1.00	0.39			
5	20-24	Former	35.00	4.15			3.23	9.00	25.71

Year of Follow-up: 1995, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	449.00	54.03					
5	25-29	Current	251.00	30.20	11.00	4.38			
5	25-29	Former	131.00	15.76			5.64	8.00	6.11

Year of Follow-up: 1995, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	520.00	52.05					
5	30-34	Current	299.00	29.93	11.00	3.68			
5	30-34	Former	180.00	18.02			7.79	15.00	8.33

Year of Follow-up: 1995, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	559.00	49.82					
5	35-39	Current	328.00	29.23	16.00	4.88			
5	35-39	Former	235.00	20.94			8.29	16.00	6.81

Year of Follow-up: 1995, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current	230.00	23.71	19.00	8.26			
5	40-44	Former	243.00	25.05			11.45	17.00	7.00

Year of Follow-up: 1995, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current	194.00	23.92	8.00	4.12			
5	45-49	Former	195.00	24.04			11.56	10.00	5.13

Year of Follow-up: 1995, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current	154.00	24.80	9.00	5.84			
5	50-54	Former	166.00	26.73			15.46	8.00	4.82

Year of Follow-up: 1995, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current	130.00	24.30	5.00	3.85			
5	55-59	Former	153.00	28.60			15.16	7.00	4.58

Year of Follow-up: 1995, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current	101.00	20.70	4.00	3.96			
5	60-64	Former	137.00	28.07			20.60	7.00	5.11

Year of Follow-up: 1995, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

5	65-69	Never Any	260.00	48.51					
5	65-69	Current	108.00	20.15	13.00	12.04			
5	65-69	Former	168.00	31.34			21.20	8.00	4.76

Year of Follow-up: 1995, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current	76.00	14.10	9.00	11.84			
5	70-74	Former	183.00	33.95			24.28	10.00	5.46

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current	56.00	11.52	14.00	25.00			
5	75-79	Former	163.00	33.54			26.72	4.00	2.45

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4862.00	53.38					
10	All Ages	Current	2212.00	24.28	200.00	9.04			
10	All Ages	Former	2035.00	22.34			15.88	142.00	6.98

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current	0.00	.	0.00	.			
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	606.00	74.54					
10	20-24	Current	184.00	22.63	0.00	0.00			
10	20-24	Former	23.00	2.83			1.96	12.00	52.17

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	498.00	59.00					
10	25-29	Current	279.00	33.06	6.00	2.15			
10	25-29	Former	67.00	7.94			4.97	15.00	22.39

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	422.00	50.78					
10	30-34	Current	262.00	31.53	25.00	9.54			
10	30-34	Former	147.00	17.69			8.78	15.00	10.20

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	515.00	51.55					
10	35-39	Current	271.00	27.13	14.00	5.17			
10	35-39	Former	213.00	21.32			10.85	15.00	7.04

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	559.00	49.82					
10	40-44	Current	296.00	26.38	24.00	8.11			
10	40-44	Former	267.00	23.80			11.52	17.00	6.37

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current	208.00	21.44	28.00	13.46			
10	45-49	Former	265.00	27.32			14.52	14.00	5.28

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	50-54	Never Any	422.00	52.03					
10	50-54	Current	183.00	22.56	20.00	10.93			
10	50-54	Former	206.00	25.40			14.78	14.00	6.80

Year of Follow-up: 2000, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current	145.00	23.35	15.00	10.34			
10	55-59	Former	175.00	28.18			18.89	8.00	4.57

Year of Follow-up: 2000, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current	127.00	23.74	15.00	11.81			
10	60-64	Former	156.00	29.16			18.51	4.00	2.56

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2000, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current	92.00	18.85	13.00	14.13			
10	65-69	Former	146.00	29.92			22.28	8.00	5.48

Year of Follow-up: 2000, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current	91.00	16.98	16.00	17.58			
10	70-74	Former	185.00	34.51			22.55	9.00	4.86

Year of Follow-up: 2000, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current	74.00	13.73	24.00	32.43			
10	75-79	Former	185.00	34.32			25.64	11.00	5.95

Year of Follow-up: 2005, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4491.00	52.40					
15	All Ages	Current	2076.00	24.22	277.00	13.34			
15	All Ages	Former	2003.00	23.37			17.29	123.00	6.14

Year of Follow-up: 2005, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current	0.00	.	0.00	.			
15	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current	0.00	.	0.00	.			
15	20-24	Former	0.00	.			.	0.00	.

Year of Follow-up: 2005, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	549.00	67.53					
15	25-29	Current	223.00	27.43	1.00	0.45			
15	25-29	Former	41.00	5.04			4.46	11.00	26.83

Year of Follow-up: 2005, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	473.00	56.04					
15	30-34	Current	277.00	32.82	12.00	4.33			
15	30-34	Former	94.00	11.14			7.35	14.00	14.89

Year of Follow-up: 2005, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	413.00	49.70					
15	35-39	Current	241.00	29.00	28.00	11.62			
15	35-39	Former	177.00	21.30			11.16	13.00	7.34

Year of Follow-up: 2005, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	515.00	51.55					
15	40-44	Current	260.00	26.03	32.00	12.31			
15	40-44	Former	224.00	22.42			14.11	14.00	6.25

Year of Follow-up: 2005, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	559.00	49.82					
15	45-49	Current	276.00	24.60	38.00	13.77			
15	45-49	Former	287.00	25.58			14.89	12.00	4.18

Year of Follow-up: 2005, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current	199.00	20.52	37.00	18.59			
15	50-54	Former	274.00	28.25			17.97	9.00	3.28

Year of Follow-up: 2005, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current	168.00	20.72	28.00	16.67			
15	55-59	Former	221.00	27.25			17.53	12.00	5.43

Year of Follow-up: 2005, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

15	60-64	Never Any	301.00	48.47					
15	60-64	Current	133.00	21.42	22.00	16.54			
15	60-64	Former	187.00	30.11			21.34	9.00	4.81
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current	122.00	22.80	22.00	18.03			
15	65-69	Former	161.00	30.09			21.48	8.00	4.97
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current	91.00	18.65	29.00	31.87			
15	70-74	Former	147.00	30.12			24.10	9.00	6.12
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current	86.00	16.04	28.00	32.56			
15	75-79	Former	190.00	35.45			24.03	12.00	6.32
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4198.00	52.25					
20	All Ages	Current	1870.00	23.28	298.00	15.94			
20	All Ages	Former	1966.00	24.47			18.93	102.00	5.19
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current	0.00	.	0.00	.			
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current	0.00	.	0.00	.			
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current	0.00	.	0.00	.			
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	525.00	64.58					
20	30-34	Current	222.00	27.31	4.00	1.80			
20	30-34	Former	66.00	8.12			6.38	13.00	19.70
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	464.00	54.98					
20	35-39	Current	268.00	31.75	14.00	5.22			
20	35-39	Former	112.00	13.27			10.45	11.00	9.82
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	413.00	49.70					
20	40-44	Current	222.00	26.71	28.00	12.61			
20	40-44	Former	196.00	23.59			14.27	10.00	5.10
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	515.00	51.55					
20	45-49	Current	240.00	24.02	38.00	15.83			
20	45-49	Former	244.00	24.42			16.90	12.00	4.92
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	559.00	49.82					
20	50-54	Current	261.00	23.26	50.00	19.16			
20	50-54	Former	302.00	26.92			17.95	9.00	2.98
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current	180.00	18.56	40.00	22.22			
20	55-59	Former	293.00	30.21			20.76	11.00	3.75

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 2010, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current	160.00	19.73	39.00	24.38			
20	60-64	Former	229.00	28.24			20.08	10.00	4.37

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current	124.00	19.97	28.00	22.58			
20	65-69	Former	196.00	31.56			23.72	7.00	3.57

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current	115.00	21.50	30.00	26.09			
20	70-74	Former	168.00	31.40			23.68	8.00	4.76

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current	78.00	15.98	27.00	34.62			
20	75-79	Former	160.00	32.79			24.91	11.00	6.88

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Main Output for the Smoking History Summarized over Simulations for Run: 10, Scenario: MRTP

Variable	Parameter	Value
1.	Country	US (United States)
2.	Sex	F (Females)
3.	Year of start of process	1990
4.	Number of simulations	1

Year of Follow-up: 1990, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	All Ages	Never Any	4680.00	54.02					
0	All Ages	Current CC	2058.00	23.75	0.00	0.00			
0	All Ages	Current MRTP	0.00	0.00					
0	All Ages	Current Dual	0.00	0.00					
0	All Ages	Former	1926.00	22.23			12.32	329.00	17.08

Year of Follow-up: 1990, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	18-19	Never Any	254.00	79.13					
0	18-19	Current CC	53.00	16.51	0.00	0.00			
0	18-19	Current MRTP	0.00	0.00					
0	18-19	Current Dual	0.00	0.00					
0	18-19	Former	14.00	4.36			0.07	14.00	100.00

Year of Follow-up: 1990, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	20-24	Never Any	504.00	60.65					
0	20-24	Current CC	211.00	25.39	0.00	0.00			
0	20-24	Current MRTP	0.00	0.00					
0	20-24	Current Dual	0.00	0.00					
0	20-24	Former	116.00	13.96			1.42	60.00	51.72

Year of Follow-up: 1990, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	25-29	Never Any	546.00	54.65					
0	25-29	Current CC	290.00	29.03	0.00	0.00			
0	25-29	Current MRTP	0.00	0.00					
0	25-29	Current Dual	0.00	0.00					
0	25-29	Former	163.00	16.32			3.96	45.00	27.61

Year of Follow-up: 1990, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	30-34	Never Any	570.00	50.80					
0	30-34	Current CC	342.00	30.48	0.00	0.00			
0	30-34	Current MRTP	0.00	0.00					
0	30-34	Current Dual	0.00	0.00					
0	30-34	Former	210.00	18.72			4.60	67.00	31.90

Year of Follow-up: 1990, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	35-39	Never Any	497.00	51.24					
0	35-39	Current CC	241.00	24.85	0.00	0.00			
0	35-39	Current MRTP	0.00	0.00					
0	35-39	Current Dual	0.00	0.00					
0	35-39	Former	232.00	23.92			7.78	38.00	16.38

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

Year of Follow-up: 1990, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	40-44	Never Any	422.00	52.03					
0	40-44	Current CC	206.00	25.40	0.00	0.00			
0	40-44	Current MRTP	0.00	0.00					
0	40-44	Current Dual	0.00	0.00					
0	40-44	Former	183.00	22.56			7.85	30.00	16.39

Year of Follow-up: 1990, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	45-49	Never Any	301.00	48.47					
0	45-49	Current CC	166.00	26.73	0.00	0.00			
0	45-49	Current MRTP	0.00	0.00					
0	45-49	Current Dual	0.00	0.00					
0	45-49	Former	154.00	24.80			12.55	22.00	14.29

Year of Follow-up: 1990, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	50-54	Never Any	252.00	47.10					
0	50-54	Current CC	145.00	27.10	0.00	0.00			
0	50-54	Current MRTP	0.00	0.00					
0	50-54	Current Dual	0.00	0.00					
0	50-54	Former	138.00	25.79			12.03	17.00	12.32

Year of Follow-up: 1990, Age Group: 55-59

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	55-59	Never Any	250.00	51.23					
0	55-59	Current CC	110.00	22.54	0.00	0.00			
0	55-59	Current MRTP	0.00	0.00					
0	55-59	Current Dual	0.00	0.00					
0	55-59	Former	128.00	26.23			17.90	10.00	7.81

Year of Follow-up: 1990, Age Group: 60-64

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	60-64	Never Any	260.00	48.51					
0	60-64	Current CC	113.00	21.08	0.00	0.00			
0	60-64	Current MRTP	0.00	0.00					
0	60-64	Current Dual	0.00	0.00					
0	60-64	Former	163.00	30.41			18.57	9.00	5.52

Year of Follow-up: 1990, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	65-69	Never Any	280.00	51.95					
0	65-69	Current CC	81.00	15.03	0.00	0.00			
0	65-69	Current MRTP	0.00	0.00					
0	65-69	Current Dual	0.00	0.00					
0	65-69	Former	178.00	33.02			21.04	8.00	4.49

Year of Follow-up: 1990, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	70-74	Never Any	267.00	54.94					
0	70-74	Current CC	55.00	11.32	0.00	0.00			
0	70-74	Current MRTP	0.00	0.00					
0	70-74	Current Dual	0.00	0.00					
0	70-74	Former	164.00	33.74			24.13	8.00	4.88

Year of Follow-up: 1990, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
0	75-79	Never Any	277.00	68.40					
0	75-79	Current CC	45.00	11.11	0.00	0.00			
0	75-79	Current MRTP	0.00	0.00					
0	75-79	Current Dual	0.00	0.00					
0	75-79	Former	83.00	20.49			25.34	1.00	1.20

Year of Follow-up: 1995, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	All Ages	Never Any	4886.00	53.81					
5	All Ages	Current CC	2103.00	23.16	185.00	7.97			
5	All Ages	Current MRTP	135.00	1.49					
5	All Ages	Current Dual	83.00	0.91					
5	All Ages	Former	1873.00	20.63			14.92	91.00	4.86

Year of Follow-up: 1995, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	18-19	Never Any	253.00	84.90					
5	18-19	Current CC	31.00	10.40	0.00	0.00			
5	18-19	Current MRTP	5.00	1.68					
5	18-19	Current Dual	8.00	2.68					
5	18-19	Former	1.00	0.34			1.00	1.00	100.00

Year of Follow-up: 1995, Age Group: 20-24

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	20-24	Never Any	558.00	66.11					
5	20-24	Current CC	228.00	27.01	5.00	1.89			
5	20-24	Current MRTP	21.00	2.49					
5	20-24	Current Dual	16.00	1.90					
5	20-24	Former	21.00	2.49			3.05	7.00	33.33
Year of Follow-up: 1995, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	25-29	Never Any	463.00	55.72					
5	25-29	Current CC	214.00	25.75	12.00	5.04			
5	25-29	Current MRTP	14.00	1.68					
5	25-29	Current Dual	10.00	1.20					
5	25-29	Former	130.00	15.64			5.52	11.00	8.46
Year of Follow-up: 1995, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	30-34	Never Any	522.00	52.25					
5	30-34	Current CC	289.00	28.93	18.00	5.84			
5	30-34	Current MRTP	8.00	0.80					
5	30-34	Current Dual	11.00	1.10					
5	30-34	Former	169.00	16.92			7.99	11.00	6.51
Year of Follow-up: 1995, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	35-39	Never Any	561.00	50.00					
5	35-39	Current CC	310.00	27.63	15.00	4.48			
5	35-39	Current MRTP	17.00	1.52					
5	35-39	Current Dual	8.00	0.71					
5	35-39	Former	226.00	20.14			8.61	13.00	5.75
Year of Follow-up: 1995, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	40-44	Never Any	497.00	51.24					
5	40-44	Current CC	220.00	22.68	15.00	6.47			
5	40-44	Current MRTP	11.00	1.13					
5	40-44	Current Dual	1.00	0.10					
5	40-44	Former	241.00	24.85			11.91	9.00	3.73
Year of Follow-up: 1995, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	45-49	Never Any	422.00	52.03					
5	45-49	Current CC	182.00	22.44	15.00	7.58			
5	45-49	Current MRTP	11.00	1.36					
5	45-49	Current Dual	5.00	0.62					
5	45-49	Former	191.00	23.55			11.52	10.00	5.24
Year of Follow-up: 1995, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	50-54	Never Any	301.00	48.47					
5	50-54	Current CC	150.00	24.15	17.00	10.43			
5	50-54	Current MRTP	8.00	1.29					
5	50-54	Current Dual	5.00	0.81					
5	50-54	Former	157.00	25.28			15.46	11.00	7.01
Year of Follow-up: 1995, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	55-59	Never Any	252.00	47.10					
5	55-59	Current CC	126.00	23.55	10.00	7.35			
5	55-59	Current MRTP	6.00	1.12					
5	55-59	Current Dual	4.00	0.75					
5	55-59	Former	147.00	27.48			15.61	3.00	2.04
Year of Follow-up: 1995, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	60-64	Never Any	250.00	51.23					
5	60-64	Current CC	104.00	21.31	10.00	8.93			
5	60-64	Current MRTP	6.00	1.23					
5	60-64	Current Dual	2.00	0.41					
5	60-64	Former	126.00	25.82			21.49	3.00	2.38
Year of Follow-up: 1995, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	65-69	Never Any	260.00	48.51					
5	65-69	Current CC	113.00	21.08	24.00	19.05			
5	65-69	Current MRTP	10.00	1.87					
5	65-69	Current Dual	3.00	0.56					
5	65-69	Former	150.00	27.99			21.38	5.00	3.33
Year of Follow-up: 1995, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever	Ever	Mean Yrs	Short	Short

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

					Quit (N)	Quit %	Quit	Term (n)	Term %
5	70-74	Never Any	280.00	51.95					
5	70-74	Current CC	81.00	15.03	21.00	22.34			
5	70-74	Current MRTP	9.00	1.67					
5	70-74	Current Dual	4.00	0.74					
5	70-74	Former	165.00	30.61			24.55	4.00	2.42

Year of Follow-up: 1995, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
5	75-79	Never Any	267.00	54.94					
5	75-79	Current CC	55.00	11.32	23.00	32.86			
5	75-79	Current MRTP	9.00	1.85					
5	75-79	Current Dual	6.00	1.23					
5	75-79	Former	149.00	30.66			27.52	3.00	2.01

Year of Follow-up: 2000, Age Group: All Ages

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	All Ages	Never Any	4898.00	53.77					
10	All Ages	Current CC	1990.00	21.85	281.00	11.77			
10	All Ages	Current MRTP	263.00	2.89					
10	All Ages	Current Dual	135.00	1.48					
10	All Ages	Former	1823.00	20.01			16.36	109.00	5.98

Year of Follow-up: 2000, Age Group: 18-19

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	18-19	Never Any	0.00	.					
10	18-19	Current CC	0.00	.	0.00	.			
10	18-19	Current MRTP	0.00	.					
10	18-19	Current Dual	0.00	.					
10	18-19	Former	0.00	.			.	0.00	.

Year of Follow-up: 2000, Age Group: 20-24

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	20-24	Never Any	601.00	73.92					
10	20-24	Current CC	139.00	17.10	0.00	0.00			
10	20-24	Current MRTP	28.00	3.44					
10	20-24	Current Dual	28.00	3.44					
10	20-24	Former	17.00	2.09			2.59	5.00	29.41

Year of Follow-up: 2000, Age Group: 25-29

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	25-29	Never Any	523.00	61.97					
10	25-29	Current CC	217.00	25.71	9.00	3.24			
10	25-29	Current MRTP	35.00	4.15					
10	25-29	Current Dual	26.00	3.08					
10	25-29	Former	43.00	5.09			4.47	12.00	27.91

Year of Follow-up: 2000, Age Group: 30-34

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	30-34	Never Any	441.00	53.07					
10	30-34	Current CC	202.00	24.31	18.00	7.35			
10	30-34	Current MRTP	27.00	3.25					
10	30-34	Current Dual	16.00	1.93					
10	30-34	Former	145.00	17.45			9.16	9.00	6.21

Year of Follow-up: 2000, Age Group: 35-39

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	35-39	Never Any	510.00	51.05					
10	35-39	Current CC	270.00	27.03	36.00	11.43			
10	35-39	Current MRTP	25.00	2.50					
10	35-39	Current Dual	20.00	2.00					
10	35-39	Former	174.00	17.42			11.34	7.00	4.02

Year of Follow-up: 2000, Age Group: 40-44

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	40-44	Never Any	561.00	50.00					
10	40-44	Current CC	278.00	24.78	28.00	8.97			
10	40-44	Current MRTP	27.00	2.41					
10	40-44	Current Dual	7.00	0.62					
10	40-44	Former	249.00	22.19			11.60	17.00	6.83

Year of Follow-up: 2000, Age Group: 45-49

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	45-49	Never Any	497.00	51.24					
10	45-49	Current CC	194.00	20.00	29.00	12.78			
10	45-49	Current MRTP	26.00	2.68					
10	45-49	Current Dual	7.00	0.72					
10	45-49	Former	246.00	25.36			15.48	10.00	4.07

Year of Follow-up: 2000, Age Group: 50-54

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %

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10	50-54	Never Any	422.00	52.03					
10	50-54	Current CC	171.00	21.09	28.00	14.51			
10	50-54	Current MRTP	17.00	2.10					
10	50-54	Current Dual	5.00	0.62					
10	50-54	Former	196.00	24.17			14.99	10.00	5.10
Year of Follow-up: 2000, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	55-59	Never Any	301.00	48.47					
10	55-59	Current CC	134.00	21.58	25.00	15.82			
10	55-59	Current MRTP	20.00	3.22					
10	55-59	Current Dual	4.00	0.64					
10	55-59	Former	162.00	26.09			18.40	6.00	3.70
Year of Follow-up: 2000, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	60-64	Never Any	252.00	47.10					
10	60-64	Current CC	116.00	21.68	17.00	12.88			
10	60-64	Current MRTP	13.00	2.43					
10	60-64	Current Dual	3.00	0.56					
10	60-64	Former	151.00	28.22			18.52	8.00	5.30
Year of Follow-up: 2000, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	65-69	Never Any	250.00	51.23					
10	65-69	Current CC	94.00	19.26	16.00	14.95			
10	65-69	Current MRTP	9.00	1.84					
10	65-69	Current Dual	4.00	0.82					
10	65-69	Former	131.00	26.84			23.69	4.00	3.05
Year of Follow-up: 2000, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	70-74	Never Any	260.00	48.51					
10	70-74	Current CC	97.00	18.10	33.00	26.83			
10	70-74	Current MRTP	19.00	3.54					
10	70-74	Current Dual	7.00	1.31					
10	70-74	Former	153.00	28.54			23.65	9.00	5.88
Year of Follow-up: 2000, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
10	75-79	Never Any	280.00	51.95					
10	75-79	Current CC	78.00	14.47	42.00	40.78			
10	75-79	Current MRTP	17.00	3.15					
10	75-79	Current Dual	8.00	1.48					
10	75-79	Former	156.00	28.94			26.62	12.00	7.69
Year of Follow-up: 2005, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	All Ages	Never Any	4523.00	52.78					
15	All Ages	Current CC	1724.00	20.12	363.00	16.10			
15	All Ages	Current MRTP	348.00	4.06					
15	All Ages	Current Dual	183.00	2.14					
15	All Ages	Former	1792.00	20.91			17.20	133.00	7.42
Year of Follow-up: 2005, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	18-19	Never Any	0.00	.					
15	18-19	Current CC	0.00	.	0.00	.			
15	18-19	Current MRTP	0.00	.					
15	18-19	Current Dual	0.00	.					
15	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	20-24	Never Any	0.00	.					
15	20-24	Current CC	0.00	.	0.00	.			
15	20-24	Current MRTP	0.00	.					
15	20-24	Current Dual	0.00	.					
15	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2005, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	25-29	Never Any	546.00	67.16					
15	25-29	Current CC	146.00	17.96	3.00	1.29			
15	25-29	Current MRTP	46.00	5.66					
15	25-29	Current Dual	41.00	5.04					
15	25-29	Former	34.00	4.18			4.12	12.00	35.29
Year of Follow-up: 2005, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	30-34	Never Any	490.00	58.06					

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15	30-34	Current CC	200.00	23.70	11.00	3.86			
15	30-34	Current MRTP	55.00	6.52					
15	30-34	Current Dual	30.00	3.55					
15	30-34	Former	69.00	8.18			6.04	16.00	23.19
Year of Follow-up: 2005, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	35-39	Never Any	434.00	52.23					
15	35-39	Current CC	183.00	22.02	32.00	13.50			
15	35-39	Current MRTP	36.00	4.33					
15	35-39	Current Dual	18.00	2.17					
15	35-39	Former	160.00	19.25			12.19	7.00	4.38
Year of Follow-up: 2005, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	40-44	Never Any	510.00	51.05					
15	40-44	Current CC	238.00	23.82	51.00	16.83			
15	40-44	Current MRTP	39.00	3.90					
15	40-44	Current Dual	26.00	2.60					
15	40-44	Former	186.00	18.62			13.86	12.00	6.45
Year of Follow-up: 2005, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	45-49	Never Any	561.00	50.00					
15	45-49	Current CC	248.00	22.10	39.00	13.04			
15	45-49	Current MRTP	40.00	3.57					
15	45-49	Current Dual	11.00	0.98					
15	45-49	Former	262.00	23.35			14.90	14.00	5.34
Year of Follow-up: 2005, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	50-54	Never Any	497.00	51.24					
15	50-54	Current CC	174.00	17.94	48.00	21.62			
15	50-54	Current MRTP	34.00	3.51					
15	50-54	Current Dual	14.00	1.44					
15	50-54	Former	251.00	25.88			17.96	13.00	5.18
Year of Follow-up: 2005, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	55-59	Never Any	422.00	52.03					
15	55-59	Current CC	153.00	18.87	40.00	21.51			
15	55-59	Current MRTP	21.00	2.59					
15	55-59	Current Dual	12.00	1.48					
15	55-59	Former	203.00	25.03			17.77	13.00	6.40
Year of Follow-up: 2005, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	60-64	Never Any	301.00	48.47					
15	60-64	Current CC	113.00	18.20	36.00	24.16			
15	60-64	Current MRTP	25.00	4.03					
15	60-64	Current Dual	11.00	1.77					
15	60-64	Former	171.00	27.54			20.23	9.00	5.26
Year of Follow-up: 2005, Age Group: 65-69									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	65-69	Never Any	252.00	47.10					
15	65-69	Current CC	106.00	19.81	32.00	25.20			
15	65-69	Current MRTP	15.00	2.80					
15	65-69	Current Dual	6.00	1.12					
15	65-69	Former	156.00	29.16			20.18	10.00	6.41
Year of Follow-up: 2005, Age Group: 70-74									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	70-74	Never Any	250.00	51.23					
15	70-74	Current CC	80.00	16.39	27.00	27.00			
15	70-74	Current MRTP	17.00	3.48					
15	70-74	Current Dual	3.00	0.61					
15	70-74	Former	138.00	28.28			23.62	11.00	7.97
Year of Follow-up: 2005, Age Group: 75-79									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
15	75-79	Never Any	260.00	48.51					
15	75-79	Current CC	83.00	15.49	44.00	38.60			
15	75-79	Current MRTP	20.00	3.73					
15	75-79	Current Dual	11.00	2.05					
15	75-79	Former	162.00	30.22			23.73	16.00	9.88
Year of Follow-up: 2010, Age Group: All Ages									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	All Ages	Never Any	4226.00	52.60					
20	All Ages	Current CC	1479.00	18.41	403.00	19.74			

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20	All Ages	Current MRTP	374.00	4.66					
20	All Ages	Current Dual	189.00	2.35					
20	All Ages	Former	1766.00	21.98			18.39	121.00	6.85
Year of Follow-up: 2010, Age Group: 18-19									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	18-19	Never Any	0.00	.					
20	18-19	Current CC	0.00	.	0.00	.			
20	18-19	Current MRTP	0.00	.					
20	18-19	Current Dual	0.00	.					
20	18-19	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 20-24									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	20-24	Never Any	0.00	.					
20	20-24	Current CC	0.00	.	0.00	.			
20	20-24	Current MRTP	0.00	.					
20	20-24	Current Dual	0.00	.					
20	20-24	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 25-29									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	25-29	Never Any	0.00	.					
20	25-29	Current CC	0.00	.	0.00	.			
20	25-29	Current MRTP	0.00	.					
20	25-29	Current Dual	0.00	.					
20	25-29	Former	0.00	.			.	0.00	.
Year of Follow-up: 2010, Age Group: 30-34									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	30-34	Never Any	521.00	64.08					
20	30-34	Current CC	143.00	17.59	6.00	2.55			
20	30-34	Current MRTP	51.00	6.27					
20	30-34	Current Dual	41.00	5.04					
20	30-34	Former	57.00	7.01			5.67	12.00	21.05
Year of Follow-up: 2010, Age Group: 35-39									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	35-39	Never Any	478.00	56.64					
20	35-39	Current CC	176.00	20.85	18.00	6.62			
20	35-39	Current MRTP	62.00	7.35					
20	35-39	Current Dual	34.00	4.03					
20	35-39	Former	94.00	11.14			7.74	17.00	18.09
Year of Follow-up: 2010, Age Group: 40-44									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	40-44	Never Any	434.00	52.23					
20	40-44	Current CC	160.00	19.25	36.00	16.67			
20	40-44	Current MRTP	40.00	4.81					
20	40-44	Current Dual	16.00	1.93					
20	40-44	Former	181.00	21.78			14.87	6.00	3.31
Year of Follow-up: 2010, Age Group: 45-49									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	45-49	Never Any	510.00	51.05					
20	45-49	Current CC	220.00	22.02	56.00	19.58			
20	45-49	Current MRTP	38.00	3.80					
20	45-49	Current Dual	28.00	2.80					
20	45-49	Former	203.00	20.32			16.40	11.00	5.42
Year of Follow-up: 2010, Age Group: 50-54									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	50-54	Never Any	561.00	50.00					
20	50-54	Current CC	222.00	19.79	50.00	17.92			
20	50-54	Current MRTP	43.00	3.83					
20	50-54	Current Dual	14.00	1.25					
20	50-54	Former	282.00	25.13			17.56	16.00	5.67
Year of Follow-up: 2010, Age Group: 55-59									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	55-59	Never Any	497.00	51.24					
20	55-59	Current CC	155.00	15.98	57.00	26.89			
20	55-59	Current MRTP	42.00	4.33					
20	55-59	Current Dual	15.00	1.55					
20	55-59	Former	261.00	26.91			20.19	13.00	4.98
Year of Follow-up: 2010, Age Group: 60-64									
Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	60-64	Never Any	422.00	52.03					
20	60-64	Current CC	133.00	16.40	59.00	32.24			
20	60-64	Current MRTP	33.00	4.07					

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

20	60-64	Current Dual	17.00	2.10					
20	60-64	Former	206.00	25.40			20.41	12.00	5.83

Year of Follow-up: 2010, Age Group: 65-69

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	65-69	Never Any	301.00	48.47					
20	65-69	Current CC	102.00	16.43	41.00	29.29			
20	65-69	Current MRTP	27.00	4.35					
20	65-69	Current Dual	11.00	1.77					
20	65-69	Former	180.00	28.99			22.47	9.00	5.00

Year of Follow-up: 2010, Age Group: 70-74

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	70-74	Never Any	252.00	47.10					
20	70-74	Current CC	94.00	17.57	39.00	32.50			
20	70-74	Current MRTP	20.00	3.74					
20	70-74	Current Dual	6.00	1.12					
20	70-74	Former	163.00	30.47			22.29	12.00	7.36

Year of Follow-up: 2010, Age Group: 75-79

Period	Age Group	Smoking Group	N	%	Ever Quit (N)	Ever Quit %	Mean Yrs Quit	Short Term (n)	Short Term %
20	75-79	Never Any	250.00	51.23					
20	75-79	Current CC	74.00	15.16	41.00	41.41			
20	75-79	Current MRTP	18.00	3.69					
20	75-79	Current Dual	7.00	1.43					
20	75-79	Former	139.00	28.48			23.80	13.00	9.35

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Main Results for E-Component Summarized over Simulations for Run: 10

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	Four Diseases Combined

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	199848	57300.589	57300.589	0.000	0.000	0.000	2876.55	824.768	824.768	0.000
1991	199162	59127.861	59180.952	-53.091	-0.027	-0.090	2826.86	839.248	840.001	-0.754
1992	198532	60226.142	60359.681	-133.539	-0.067	-0.222	2778.64	842.922	844.791	-1.869
1993	202512	62332.320	62531.915	-199.595	-0.099	-0.320	2793.47	859.818	862.571	-2.753
1994	200658	62691.239	63009.500	-318.261	-0.159	-0.508	2725.82	851.622	855.946	-4.323
1995	201023	63132.954	63579.686	-446.731	-0.222	-0.708	2687.54	844.043	850.016	-5.972
1996	201180	64309.880	65006.870	-696.990	-0.346	-1.084	2653.67	848.280	857.474	-9.194
1997	198639	64547.894	65370.364	-822.471	-0.414	-1.274	2583.39	839.475	850.172	-10.697
1998	197573	65384.866	66295.015	-910.149	-0.461	-1.392	2533.29	838.367	850.037	-11.670
1999	211329	67554.762	68643.026	-1088.26	-0.515	-1.611	2673.14	854.513	868.279	-13.766
2000	208496	68184.366	69308.182	-1123.82	-0.539	-1.648	2604.20	851.652	865.689	-14.037
2001	203606	68286.060	69309.185	-1023.12	-0.503	-1.498	2514.65	843.372	856.008	-12.636
2002	200828	68983.996	70145.726	-1161.73	-0.578	-1.684	2455.47	843.450	857.654	-14.204
2003	196352	68717.830	69864.726	-1146.90	-0.584	-1.669	2377.49	832.057	845.944	-13.887
2004	188160	67344.952	68387.977	-1043.03	-0.554	-1.549	2254.66	806.974	819.472	-12.498
2005	186416	67846.650	68809.474	-962.824	-0.516	-1.419	2208.07	803.634	815.038	-11.405
2006	180088	66622.465	67179.460	-556.996	-0.309	-0.836	2113.55	781.893	788.430	-6.537
2007	175644	65977.201	66569.653	-592.452	-0.337	-0.898	2039.92	766.256	773.137	-6.881
2008	177570	67121.344	67662.131	-540.787	-0.305	-0.806	2039.03	770.751	776.961	-6.210
2009	172806	66622.993	66940.849	-317.856	-0.184	-0.477	1961.22	756.123	759.730	-3.607

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	3900422	1302316.365	1315454.961	-13138.6	-0.337	-1.009	2465.77	823.300	831.606	-8.306

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Main Results for E-Component Summarized over Simulations for Run: 10

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	LUNG CANCER

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	42690	30645.370	30645.370	0.000	0.000	0.000	614.467	441.100	441.100	0.000
1991	43692	31530.019	31541.724	-11.706	-0.027	-0.037	620.154	447.530	447.696	-0.166
1992	45423	32811.446	32846.212	-34.765	-0.077	-0.106	635.738	459.227	459.714	-0.487
1993	46291	33467.735	33520.870	-53.134	-0.115	-0.159	638.542	461.657	462.390	-0.733
1994	47017	33989.389	34078.837	-89.448	-0.190	-0.263	638.697	461.725	462.940	-1.215
1995	47840	34566.580	34695.285	-128.705	-0.269	-0.372	639.587	462.131	463.852	-1.721
1996	48244	34997.958	35205.133	-207.175	-0.429	-0.592	636.363	461.641	464.374	-2.733
1997	49035	35549.658	35797.344	-247.687	-0.505	-0.697	637.723	462.340	465.561	-3.221
1998	49686	36138.033	36412.480	-274.447	-0.552	-0.759	637.076	463.363	466.882	-3.519
1999	48883	35506.142	35815.807	-309.665	-0.633	-0.872	618.331	449.124	453.041	-3.917
2000	50331	36573.306	36901.934	-328.628	-0.653	-0.899	628.656	456.816	460.921	-4.105
2001	50389	36733.445	37043.246	-309.801	-0.615	-0.843	622.333	453.679	457.505	-3.826
2002	51445	37627.700	37973.019	-345.319	-0.671	-0.918	629.005	460.065	464.287	-4.222
2003	51408	37552.784	37893.157	-340.373	-0.662	-0.906	622.464	454.701	458.822	-4.121
2004	51399	37527.823	37856.778	-328.955	-0.640	-0.877	615.898	449.684	453.626	-3.942
2005	51421	37486.186	37799.037	-312.851	-0.608	-0.835	609.074	444.018	447.724	-3.706
2006	51355	37409.496	37589.984	-180.488	-0.351	-0.482	602.712	439.045	441.163	-2.118
2007	51839	37602.867	37811.530	-208.663	-0.403	-0.555	602.056	436.718	439.141	-2.423
2008	50976	36986.957	37179.098	-192.141	-0.377	-0.519	585.355	424.719	426.926	-2.206
2009	51193	37201.944	37321.880	-119.936	-0.234	-0.322	581.003	422.215	423.576	-1.361

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	980557	711904.839	715928.726	-4023.89	-0.410	-0.565	619.890	450.053	452.597	-2.544

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Main Results for E-Component Summarized over Simulations for Run: 10

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	IHD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
1990	98916	12646.761	12646.761	0.000	0.000	0.000	1423.77	182.034	182.034	0.000
1991	96403	12662.980	12688.541	-25.561	-0.027	-0.202	1368.32	179.735	180.098	-0.363
1992	93721	12337.995	12392.153	-54.157	-0.058	-0.439	1311.71	172.682	173.440	-0.758
1993	93679	12401.934	12478.568	-76.634	-0.082	-0.618	1292.22	171.073	172.130	-1.057
1994	90832	12128.576	12244.870	-116.294	-0.128	-0.959	1233.90	164.759	166.339	-1.580
1995	89698	11958.696	12121.807	-163.111	-0.182	-1.364	1199.20	159.879	162.060	-2.181
1996	88286	12020.749	12256.260	-235.511	-0.267	-1.959	1164.54	158.560	161.666	-3.107
1997	84777	11593.724	11863.535	-269.811	-0.318	-2.327	1102.56	150.782	154.291	-3.509
1998	82517	11337.035	11629.638	-292.603	-0.355	-2.581	1058.04	145.364	149.116	-3.752
1999	93939	13027.458	13391.361	-363.903	-0.387	-2.793	1188.25	164.787	169.390	-4.603
2000	90039	12607.547	12987.496	-379.949	-0.422	-3.014	1124.63	157.474	162.219	-4.746
2001	86119	12350.451	12674.608	-324.158	-0.376	-2.625	1063.62	152.535	156.539	-4.004
2002	83014	12112.097	12483.856	-371.760	-0.448	-3.069	1014.99	148.092	152.637	-4.545
2003	79302	11683.252	12048.235	-364.983	-0.460	-3.124	960.214	141.465	145.884	-4.419
2004	73861	11139.095	11444.135	-305.040	-0.413	-2.738	885.053	133.476	137.131	-3.655
2005	71649	10884.683	11163.496	-278.813	-0.389	-2.562	848.672	128.927	132.230	-3.302
2006	67551	10397.565	10573.529	-175.965	-0.260	-1.692	792.791	122.028	124.093	-2.065
2007	63503	9785.831	9941.157	-155.326	-0.245	-1.587	737.521	113.652	115.456	-1.804
2008	63171	9922.524	10056.365	-133.840	-0.212	-1.349	725.389	113.940	115.477	-1.537
2009	59747	9483.598	9553.419	-69.822	-0.117	-0.736	678.085	107.632	108.424	-0.792

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All Year	Number Deaths	Null Attrib Deaths	MRTP Attrib Deaths	Drop Deaths	%Drop Deaths	%Drop Attrib Deaths	Death Rate	Null Attrib Rates	MRTP Attrib Rates	Drop Rates
Yrs Comb	1650724	232482.549	236639.790	-4157.24	-0.252	-1.788	1043.56	146.971	149.599	-2.628

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Main Results for E-Component Summarized over Simulations for Run: 10

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	STROKE

Results for PHIM for Run 10 (Appendix_19_Zero_benefit_estimation.RTF)

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	33504	3193.244	3193.244	0.000	0.000	0.000	482.247	45.963	45.963	0.000
1991	32505	3116.016	3123.994	-7.978	-0.025	-0.256	461.369	44.228	44.341	-0.113
1992	32560	3095.448	3115.497	-20.049	-0.062	-0.648	455.708	43.324	43.604	-0.281
1993	32768	3114.516	3142.270	-27.754	-0.085	-0.891	452.005	42.962	43.345	-0.383
1994	33005	3168.398	3209.477	-41.078	-0.124	-1.296	448.353	43.041	43.599	-0.558
1995	33730	3200.274	3256.250	-55.976	-0.166	-1.749	450.946	42.785	43.534	-0.748
1996	33750	3234.738	3306.995	-72.257	-0.214	-2.234	445.180	42.668	43.621	-0.953
1997	33699	3240.665	3337.104	-96.440	-0.286	-2.976	438.271	42.146	43.401	-1.254
1998	33274	3171.578	3276.635	-105.057	-0.316	-3.312	426.640	40.666	42.013	-1.347
1999	33891	3153.786	3266.296	-112.509	-0.332	-3.567	428.694	39.893	41.316	-1.423
2000	33827	3237.043	3346.684	-109.641	-0.324	-3.387	422.514	40.432	41.802	-1.369
2001	32506	3110.972	3195.912	-84.941	-0.261	-2.730	401.468	38.422	39.471	-1.049
2002	32078	3123.298	3224.105	-100.807	-0.314	-3.228	392.210	38.188	39.420	-1.233
2003	30568	3025.984	3120.769	-94.785	-0.310	-3.132	370.127	36.640	37.787	-1.148
2004	29388	2983.453	3056.131	-72.677	-0.247	-2.436	352.147	35.750	36.621	-0.871
2005	27954	2926.679	2984.695	-58.016	-0.208	-1.982	331.111	34.666	35.353	-0.687
2006	27201	2889.308	2921.506	-32.198	-0.118	-1.114	319.236	33.909	34.287	-0.378
2007	26302	2810.025	2840.018	-29.993	-0.114	-1.067	305.470	32.636	32.984	-0.348
2008	25998	2773.025	2796.782	-23.758	-0.091	-0.857	298.534	31.843	32.115	-0.273
2009	25040	2723.293	2726.669	-3.376	-0.013	-0.124	284.186	30.907	30.946	-0.038

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	623548	61291.743	62441.033	-1149.29	-0.184	-1.875	394.195	38.747	39.474	-0.727

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Main Results for E-Component Summarized over Simulations for Run: 10

Variable Parameter	Value
1. Country	US (United States)
2. Sex	F (Females)
3. Year of start of process	1990
4. Number of simulations	1
5. Cause of Death	COPD

Note: Death rates are per million population

Results for Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
1990	24738	10815.214	10815.214	0.000	0.000	0.000	356.071	155.671	155.671	0.000
1991	26562	11818.847	11826.693	-7.846	-0.030	-0.066	377.015	167.754	167.865	-0.111
1992	26828	11981.252	12005.819	-24.567	-0.092	-0.205	375.483	167.689	168.033	-0.344
1993	29774	13348.134	13390.206	-42.072	-0.141	-0.315	410.705	184.125	184.706	-0.580
1994	29804	13404.876	13476.317	-71.441	-0.240	-0.533	404.869	182.097	183.068	-0.970
1995	29755	13407.404	13506.343	-98.938	-0.333	-0.738	397.803	179.248	180.570	-1.323
1996	30900	14056.435	14238.481	-182.047	-0.589	-1.295	407.587	185.412	187.813	-2.401
1997	31128	14163.848	14372.381	-208.533	-0.670	-1.472	404.834	184.207	186.919	-2.712
1998	32096	14738.220	14976.263	-238.042	-0.742	-1.615	411.536	188.974	192.026	-3.052
1999	34616	15867.376	16169.563	-302.187	-0.873	-1.904	437.865	200.710	204.532	-3.822
2000	34299	15766.470	16072.068	-305.598	-0.891	-1.938	428.409	196.930	200.747	-3.817
2001	34592	16091.193	16395.418	-304.225	-0.879	-1.891	427.231	198.736	202.493	-3.757
2002	34291	16120.902	16464.745	-343.844	-1.003	-2.133	419.268	197.106	201.310	-4.204
2003	35074	16455.810	16802.565	-346.755	-0.989	-2.107	424.687	199.252	203.451	-4.199
2004	33512	15694.580	16030.933	-336.353	-1.004	-2.143	401.564	188.063	192.094	-4.030
2005	35392	16549.102	16862.246	-313.144	-0.885	-1.892	419.213	196.022	199.731	-3.709
2006	33981	15926.096	16094.441	-168.345	-0.495	-1.057	398.807	186.912	188.887	-1.976
2007	34000	15778.477	15976.948	-198.470	-0.584	-1.258	394.875	183.251	185.556	-2.305
2008	37425	17438.838	17629.886	-191.048	-0.510	-1.096	429.749	200.249	202.443	-2.194
2009	36826	17214.158	17338.881	-124.723	-0.339	-0.725	417.948	195.368	196.784	-1.416

Results for Years and Age Groups Combined, Population unadjusted for deaths in MRTP scenario,

Age Group:All		Null	MRTP			%Drop		Null	MRTP	
Year	Number Deaths	Attrib Deaths	Attrib Deaths	Drop Deaths	%Drop Deaths	Attrib Deaths	Death Rate	Attrib Rates	Attrib Rates	Drop Rates
Yrs Comb	645593	296637.233	300445.412	-3808.18	-0.590	-1.284	408.132	187.528	189.936	-2.407