

Table 1. Status Quo and Optimistic E-Cigarette Substitution (5% remain smokers after ten years) with Varying E-Cigarette Risks, The Same Initiation and Cessation Rate as in The Status Quo Scenario, Premature Deaths and Life Years Lost for All Cohorts, Males and Females

OUTCOME	Year					Cumulative (2016-2100)	Deaths Prevented/ Life Years Gained*	% Change relative to status quo
	2016	2026	2060	2080	2100			
MALE								
Status Quo								
Premature Deaths	335,120	342,636	229,480	118,041	1,843	18,805,372		
Life Years Lost	4,060,825	4,001,502	1,889,937	475,272	1,144	177,882,604		
Excess risk of 2.5% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	335,120	273,147	164,928	34,741	213	13,830,405	4,974,967	26.5%
Life Years Lost	4,060,825	2,663,991	924,511	107,853	132	113,313,311	64,569,292	36.3%
Excess risk of 5% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	335,120	275,067	166,775	36,798	259	13,969,904	4,835,468	25.7%
Life Years Lost	4,060,825	2,699,934	948,561	115,957	161	115,015,100	62,867,503	35.3%
Excess risk of 10% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	335,120	278,883	170,361	40,776	347	14,241,674	4,563,698	24.3%
Life Years Lost	4,060,825	2,771,546	995,900	131,753	215	118,377,093	59,505,511	33.5%
Excess risk of 25% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	335,120	290,147	180,326	51,680	568	15,003,375	3,801,997	20.2%
Life Years Lost	4,060,825	2,984,229	1,132,103	176,012	353	128,143,850	49,738,754	28.0%
Excess risk of 40% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	335,120	301,142	189,250	61,203	740	15,693,399	3,111,974	16.5%
Life Years Lost	4,060,825	3,193,734	1,260,182	215,948	459	137,461,001	40,421,603	22.7%
Excess risk of 60% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	335,120	315,401	199,804	72,059	907	16,518,261	2,287,111	12.2%
Life Years Lost	4,060,825	3,468,253	1,419,500	263,206	563	149,242,981	28,639,622	16.1%

FEMALE								
Status Quo								
Premature Deaths	126,468	128,107	87,075	48,996	1,062	7,260,075		
Life Years Lost	1,628,633	1,623,785	736,566	210,321	708	70,756,929		
Excess risk of 2.5% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	126,468	105,151	65,842	18,928	182	5,466,250	1,793,826	24.7%
Life Years Lost	1,628,633	1,126,632	387,640	64,255	121	46,236,637	24,520,292	34.7%
Excess risk of 5% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	126,468	105,765	66,468	19,600	200	5,514,385	1,745,691	24.0%
Life Years Lost	1,628,633	1,139,831	396,824	67,341	133	46,890,479	23,866,450	33.7%
Excess risk of 10% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	126,468	106,988	67,692	20,916	234	5,608,905	1,651,170	22.7%
Life Years Lost	1,628,633	1,166,156	414,990	73,410	156	48,186,131	22,570,798	31.9%
Excess risk of 25% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	126,468	110,627	71,152	24,640	328	5,879,321	1,380,754	19.0%
Life Years Lost	1,628,633	1,244,549	467,951	90,833	218	51,980,002	18,776,926	26.5%
Excess risk of 40% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	126,468	114,218	74,333	28,061	410	6,131,815	1,128,260	15.5%
Life Years Lost	1,628,633	1,322,079	518,743	107,156	273	55,641,219	15,115,709	21.4%
Excess risk of 60% with the same initiation and cessation rate as in the status quo scenario and 5% remain smokers after ten years								
Premature Deaths	126,468	118,930	78,206	32,213	505	6,444,020	816,055	11.2%
Life Years Lost	1,628,633	1,424,127	583,373	127,364	336	60,330,663	10,426,265	14.7%

* Life Years gained = Life years lost in status quo - Life years lost in e-cigarette substitution scenario

Table 2. Status Quo and Pessimistic E-Cigarette Substitution (10% remain smokers after ten years) with Varying E-Cigarette Risks, 150% Initiation and 50% Cessation Rate as in The Status Quo Scenario, Premature Deaths and Life Years Lost for All Cohorts, Males and Females

OUTCOME	Year					Cumulative (2016-2100)	Deaths Prevented/ Life Years Gained*	% Change relative to status quo
	2016	2026	2060	2080	2100			
MALE								
Status Quo								
Premature Deaths	335,120	342,636	229,480	118,041	1,843	18,805,372		
Life Years Lost	4,060,825	4,001,502	1,889,937	475,272	1,144	177,882,604		
Excess risk of 2.5% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	335,120	317,502	178,610	49,576	433	15,346,242	3,459,130	18.4%
Life Years Lost	4,060,825	3,407,263	1,153,048	173,610	269	135,636,176	42,246,428	23.7%
Excess risk of 5% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	335,120	318,304	181,296	52,584	526	15,508,631	3,296,741	17.5%
Life Years Lost	4,060,825	3,424,886	1,186,507	186,898	326	137,379,994	40,502,610	22.8%
Excess risk of 10% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	335,120	319,896	186,490	58,332	694	15,822,006	2,983,366	15.9%
Life Years Lost	4,060,825	3,460,031	1,252,281	212,632	431	140,814,080	37,068,524	20.8%
Excess risk of 25% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	335,120	324,590	200,767	73,623	1,087	16,679,103	2,126,269	11.3%
Life Years Lost	4,060,825	3,564,691	1,440,892	283,491	675	150,709,077	27,173,527	15.3%
Excess risk of 40% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	335,120	329,168	213,353	86,367	1,350	17,428,433	1,376,939	7.3%
Life Years Lost	4,060,825	3,668,208	1,617,397	345,703	838	160,038,607	17,843,996	10.0%
Excess risk of 60% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	335,120	335,106	227,984	100,126	1,559	18,290,613	514,759	2.7%
Life Years Lost	4,060,825	3,804,496	1,835,802	416,910	968	171,687,830	6,194,773	3.5%

FEMALE								
Status Quo								
Premature Deaths	126,468	128,107	87,075	48,996	1,062	7,260,075		
Life Years Lost	1,628,633	1,623,785	736,566	210,321	708	70,756,929		
Excess risk of 2.5% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	126,468	126,351	74,197	27,675	377	6,379,736	880,340	12.1%
Life Years Lost	1,628,633	1,569,467	523,122	106,592	251	60,230,145	10,526,784	14.9%
Excess risk of 5% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	126,468	126,404	75,004	28,742	420	6,426,608	833,468	11.5%
Life Years Lost	1,628,633	1,571,055	535,619	112,275	280	60,761,787	9,995,142	14.1%
Excess risk of 10% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	126,468	126,508	76,588	30,802	500	6,517,851	742,224	10.2%
Life Years Lost	1,628,633	1,574,228	560,356	123,378	333	61,812,756	8,944,172	12.6%
Excess risk of 25% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	126,468	126,819	81,116	36,433	696	6,773,070	487,006	6.7%
Life Years Lost	1,628,633	1,583,725	632,584	154,687	464	64,871,171	5,885,757	8.3%
Excess risk of 40% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	126,468	127,129	85,335	41,339	838	7,003,632	256,444	3.5%
Life Years Lost	1,628,633	1,593,191	701,990	183,223	558	67,796,596	2,960,333	4.2%
Excess risk of 60% with the 150% initiation and 50% cessation rate as in the status quo scenario and 10% remain smokers after ten years								
Premature Deaths	126,468	127,540	90,537	46,933	969	7,278,587	-18,512	-0.3%
Life Years Lost	1,628,633	1,605,763	790,461	217,405	646	71,507,813	-750,885	-1.1%

* Life Years gained = Life years lost in status quo - Life years lost in e-cigarette substitution scenario