

## APPENDIX

**Supplementary Table 1:** Risk of deaths by age, sex and smoking status in Australia

Age	Male			Female		
	Total Mortality Risk	Smoking Mortality Risk	Non-smoking Mortality Risk	Total Mortality Risk	Smoking Mortality Risk	Non-smoking Mortality Risk
20	0-000505	0-000370	0-000197	0-000238	0-000187	0-000149
21	0-000475	0-000406	0-000213	0-000115	0-000205	0-000161
22	0-000510	0-000444	0-000230	0-000195	0-000224	0-000174
23	0-000579	0-000487	0-000250	0-000297	0-000246	0-000189
24	0-000579	0-000533	0-000270	0-000152	0-000269	0-000205
25	0-000548	0-000584	0-000293	0-000183	0-000295	0-000222
26	0-000669	0-000639	0-000317	0-000277	0-000323	0-000240
27	0-000628	0-000700	0-000343	0-000253	0-000354	0-000260
28	0-000633	0-000767	0-000372	0-000235	0-000388	0-000282
29	0-000664	0-000840	0-000402	0-000299	0-000425	0-000305
30	0-000706	0-000920	0-000436	0-000223	0-000466	0-000331
31	0-000828	0-001008	0-000472	0-000332	0-000510	0-000358
32	0-000820	0-001104	0-000511	0-000356	0-000559	0-000388
33	0-000797	0-001209	0-000553	0-000362	0-000612	0-000420
34	0-000848	0-001324	0-000599	0-000445	0-000671	0-000455
35	0-000860	0-001524	0-000671	0-000639	0-001224	0-000544
36	0-001019	0-001805	0-000795	0-000527	0-001009	0-000448
37	0-000961	0-001701	0-000749	0-000569	0-001088	0-000483
38	0-001114	0-001973	0-000869	0-000610	0-001167	0-000518
39	0-001191	0-002109	0-000929	0-000661	0-001265	0-000562
40	0-001213	0-002148	0-000946	0-000708	0-001356	0-000602
41	0-001340	0-002374	0-001045	0-000846	0-001620	0-000719
42	0-001542	0-002731	0-001203	0-000873	0-001671	0-000742
43	0-001753	0-003105	0-001368	0-000901	0-001724	0-000766
44	0-001686	0-002986	0-001315	0-000936	0-001792	0-000796
45	0-001705	0-003142	0-001330	0-001090	0-001878	0-000927
46	0-001742	0-003210	0-001359	0-001078	0-001857	0-000917
47	0-002158	0-003977	0-001684	0-001351	0-002326	0-001148
48	0-002561	0-004720	0-001998	0-001494	0-002573	0-001270
49	0-002536	0-004673	0-001978	0-001544	0-002658	0-001312
50	0-002860	0-005271	0-002231	0-001724	0-002969	0-001466
51	0-002939	0-005416	0-002292	0-001790	0-003082	0-001521
52	0-002859	0-005269	0-002230	0-002023	0-003485	0-001720
53	0-003473	0-006401	0-002709	0-002177	0-003749	0-001850
54	0-003821	0-007042	0-002980	0-002323	0-004001	0-001975
55	0-004277	0-008477	0-003336	0-002434	0-004899	0-002069
56	0-004338	0-008599	0-003384	0-002682	0-005397	0-002279
57	0-004821	0-009557	0-003761	0-002731	0-005498	0-002322
58	0-005260	0-010427	0-004103	0-003151	0-006342	0-002678
59	0-005301	0-010508	0-004135	0-003273	0-006588	0-002782
60	0-006559	0-013002	0-005116	0-003683	0-007412	0-003130
61	0-006402	0-012689	0-004993	0-003760	0-007568	0-003196
62	0-007107	0-014087	0-005543	0-004395	0-008847	0-003736
63	0-007755	0-015373	0-006049	0-004484	0-009025	0-003811
64	0-008725	0-017294	0-006805	0-005008	0-010079	0-004256
65	0-009207	0-025430	0-007182	0-004964	0-015012	0-004220
66	0-010255	0-028324	0-007999	0-006265	0-018945	0-005325
67	0-010754	0-029702	0-008388	0-007080	0-021410	0-006018
68	0-012387	0-034212	0-009662	0-007403	0-022385	0-006292
69	0-013321	0-036792	0-010390	0-007892	0-023865	0-006708

Age- and sex-specific mortality rates for single-year age-bands were obtained from the Australian General Record of Incidence of Mortality data for 2015 (12). Smoking prevalence data were drawn from the Australian National Health Survey 2014-2015 (13). Probabilities of death for smokers and non-smokers were calculated from mortality risk in the wider population and sex-specific smoking population attributable risk percentage for 35-69 year olds reported by Peto et al (14), and extrapolated below the age of 35 years using exponential equations for smokers and non-smokers.

## APPENDIX

**Supplementary Table 2:** Productivity indices for smokers and non-smokers by age group and sex

Age group	Male		Female	
	Smoker	Non-smoker	Smoker	Non-smoker
20-24y	0.504	0.518	0.454	0.466
25-29y	0.743	0.763	0.533	0.548
30-34y	0.743	0.763	0.533	0.548
35-39y	0.785	0.807	0.516	0.530
40-44y	0.785	0.807	0.516	0.530
45-49y	0.727	0.747	0.530	0.545
50-54y	0.727	0.747	0.530	0.545
55-59y	0.636	0.653	0.459	0.471
60-64y	0.486	0.500	0.313	0.322
65-69y	0.313	0.321	0.313	0.322

Age and sex-specific productivity indices for smokers and non-smokers were calculated by applying productivity penalties of 0.957 for non-smokers and 0.932 for smokers (calculated from absenteeism and presenteeism data drawn from Bunn et al (11)) to the sex and age-specific weighted-average maximum working days in a year among Australians aged 20 to 69 years (15).