

**Table S1.** Population, number of death and all-cause premature death rate for 2006–30 among individuals aged 25–69 years at the most recently observed death rate (2006 to 2015) and at the model-projected rate, rate per 100,000 (Women)

Result of the study for 2006 to 2030						Result of GBD for 2006 to 2017				
Year	Age	Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2006	25-29	3564785	2998.0	84.10	81.22	87.19	3142.14	85.179	84.109	86.222
2007	25-29	3701859	3289.0	88.85	85.84	91.87	3521.39	90.246	89.189	91.309
2008	25-29	3845377	3597.0	93.54	90.49	96.57	3760.61	91.165	90.156	92.184
2009	25-29	3995673	3696.0	92.51	89.57	95.53	3952.56	92.033	91.128	92.954
2010	25-29	4153098	3897.0	93.83	90.90	96.69	4261.40	97.259	96.424	98.077
2011	25-29	4318020	3946.0	91.38	88.51	94.24	4225.62	95.477	94.843	96.124
2012	25-29	4467124	3766.0	84.30	81.62	87.00	3991.33	89.720	89.211	90.224
2013	25-29	4614661	3536.0	76.63	73.89	78.86	3719.60	83.889	83.463	84.320
2014	25-29	4761557	2954.0	62.03	59.46	65.56	3233.91	73.745	73.372	74.104
2015	25-29	4453788	2618.0	58.78	56.39	60.85	2670.35	62.117	61.763	62.474
2016	25-29	4057688	2347.7	57.86	38.18	87.90	2426.80	58.300	57.853	58.717
2017	25-29	3902000	2238.9	57.38	32.21	103.31	2282.38	57.461	56.843	58.089
2018	25-29	3717000	2107.1	56.69	27.65	116.83				
2019	25-29	3518000	1969.9	55.99	24.40	128.74				
2020	25-29	3323000	1838.0	55.31	21.48	141.74				
2021	25-29	3148000	1720.0	54.64	19.50	152.83				
2022	25-29	3000000	1621.6	54.05	17.49	165.81				
2023	25-29	2877000	1532.1	53.25	16.08	173.48				
2024	25-29	2781000	1462.6	52.59	14.48	186.73				
2025	25-29	2710000	1413.1	52.15	13.43	195.54				
2026	25-29	2664000	1371.4	51.48	12.48	208.54				
2027	25-29	2642000	1345.9	50.94	11.29	217.91				
2028	25-29	2647000	1332.4	50.34	10.09	229.99				
2029	25-29	2674000	1335.4	49.94	9.62	241.92				
2030	25-29	2715000	1337.4	49.26	8.84	254.80				
2006	30-34	2735562	2318.0	84.74	81.72	88.14	2427.95	83.774	82.775	84.725
2007	30-34	2849010	2396.0	84.10	81.20	87.00	2549.91	84.835	83.910	85.729
2008	30-34	2989403	2482.0	83.03	80.42	86.09	2654.01	85.125	84.279	85.970
2009	30-34	3137115	2612.0	83.26	80.51	86.17	2756.16	85.183	84.450	85.965
2010	30-34	3292540	2753.0	83.61	80.67	86.23	2928.20	86.791	86.123	87.423
2011	30-34	3456096	2843.0	82.26	79.59	85.00	3059.83	86.177	85.643	86.695

**Table S1.** continued....

		Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
Year	Age	Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2012	30-34	3609068	2944.0	81.57	78.56	83.93	3150.43	83.507	83.925	83.081	
2013	30-34	3762680	2951.0	78.43	75.26	80.43	3172.63	79.195	79.566	78.815	
2014	30-34	3917612	2779.0	70.94	68.74	73.44	3083.12	73.593	73.941	73.243	
2015	30-34	4101755	2672.0	65.14	63.38	68.25	2917.92	67.912	68.300	67.535	
2016	30-34	4260465	2746.6	64.47	57.16	72.96	2849.14	65.387	65.859	64.880	
2017	30-34	4305000	2717.9	63.13	53.24	75.51	2816.12	83.774	84.725	82.775	
2018	30-34	4302000	2659.9	61.83	49.98	77.51					
2019	30-34	4254000	2579.8	60.65	47.21	78.93					
2020	30-34	4166000	2479.4	59.51	44.49	80.67					
2021	30-34	4045000	2358.3	58.30	41.84	81.83					
2022	30-34	3891000	2226.2	57.21	39.20	83.07					
2023	30-34	3706000	2078.3	56.08	37.09	84.45					
2024	30-34	3508000	1932.4	55.09	34.84	85.60					
2025	30-34	3314000	1792.6	54.09	32.80	86.82					
2026	30-34	3140000	1668.3	53.13	30.93	88.27					
2027	30-34	2992000	1560.8	52.17	29.24	89.33					
2028	30-34	2870000	1470.7	51.24	27.44	90.06					
2029	30-34	2775000	1398.7	50.41	25.86	90.57					
2030	30-34	2704000	1337.9	49.48	24.27	91.35					
2006	35-39	2429579	2208.1	90.88	86.43	92.87	2168.19	88.872	89.995	87.766	
2007	35-39	2498159	2148.6	86.02	83.77	88.78	2099.80	84.038	85.001	83.027	
2008	35-39	2548507	2096.6	82.28	80.78	85.61	2136.59	83.231	84.095	82.342	
2009	35-39	2605685	2115.3	81.17	79.01	83.58	2184.85	82.774	83.534	82.033	
2010	35-39	2654757	2104.1	79.25	77.18	81.85	2151.74	79.436	80.023	78.854	
2011	35-39	2766785	2208.0	79.80	77.41	81.87	2236.76	80.124	80.603	79.660	
2012	35-39	2872924	2297.0	79.95	77.37	81.74	2378.24	82.148	82.561	81.734	
2013	35-39	2961961	2303.0	77.75	76.54	80.90	2512.66	83.297	83.696	82.875	
2014	35-39	3144982	2519.0	80.10	77.25	81.61	2652.19	84.005	84.400	83.579	
2015	35-39	3318976	2626.0	79.12	76.67	81.57	2719.66	81.679	82.153	81.182	
2016	35-39	3465195	2730.7	78.80	74.04	83.77	2811.74	79.362	79.942	78.711	
2017	35-39	3647000	2865.5	78.57	71.92	85.15	2949.91	77.864	78.744	76.966	

Table S1. continued....										
Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017			
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2018	35-39	3833000	3002.3	78.33	69.96	86.38				
2019	35-39	4006000	3127.8	78.08	68.23	87.75				
2020	35-39	4148000	3227.2	77.80	66.65	88.68				
2021	35-39	4243000	3292.0	77.59	65.26	89.88				
2022	35-39	4288000	3317.1	77.36	64.01	90.62				
2023	35-39	4285000	3303.8	77.10	62.59	91.70				
2024	35-39	4238000	3256.7	76.85	61.06	92.78				
2025	35-39	4151000	3180.2	76.61	59.99	93.45				
2026	35-39	4031000	3076.6	76.32	58.71	94.77				
2027	35-39	3877000	2951.3	76.12	57.42	95.49				
2028	35-39	3694000	2802.4	75.86	56.46	96.48				
2029	35-39	3496000	2644.0	75.63	55.22	97.35				
2030	35-39	3304000	2489.6	75.35	54.10	98.34				
2006	40-44	2007479	2508.5	124.98	119.64	127.57	2534.17	121.403	122.848	119.984
2007	40-44	2083364	2471.3	118.61	116.55	122.91	2511.17	115.618	116.880	114.309
2008	40-44	2162445	2509.0	116.03	113.98	119.96	2590.48	114.795	115.918	113.647
2009	40-44	2244871	2621.0	116.76	112.60	118.52	2676.92	114.414	115.429	113.431
2010	40-44	2330792	2614.6	112.19	109.45	115.33	2658.71	110.061	110.838	109.306
2011	40-44	2420370	2674.0	110.48	108.69	114.25	2753.64	111.267	111.887	110.662
2012	40-44	2500504	2815.1	112.58	109.01	114.48	2882.80	114.367	114.924	113.814
2013	40-44	2579165	2864.3	111.04	108.20	113.47	2937.51	114.239	114.771	113.712
2014	40-44	2656847	2891.0	108.81	106.97	112.51	2945.19	112.092	112.588	111.549
2015	40-44	2575065	2840.9	110.33	106.61	113.02	2971.72	110.621	111.201	109.992
2016	40-44	2704417	2952.9	109.19	103.16	115.44	2983.75	107.875	108.605	107.040
2017	40-44	2818000	3062.3	108.67	100.50	117.04	3030.65	105.566	106.647	104.380
2018	40-44	2952000	3191.2	108.10	98.22	118.47				
2019	40-44	3105000	3341.1	107.60	95.88	119.69				
2020	40-44	3271000	3502.4	107.07	93.58	120.73				
2021	40-44	3445000	3669.3	106.51	91.84	121.69				
2022	40-44	3626000	3842.0	105.96	89.92	122.44				
2023	40-44	3811000	4018.1	105.43	88.05	123.74				
2024	40-44	3984000	4181.0	104.95	86.16	124.79				

**Table S1.** continued...

Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2025	40-44	4126000	4307.9	104.41	84.67	125.46					
2026	40-44	4221000	4385.1	103.89	82.63	126.44					
2027	40-44	4266000	4411.6	103.41	80.99	127.59					
2028	40-44	4264000	4388.4	102.92	79.46	128.60					
2029	40-44	4218000	4317.4	102.36	77.68	129.85					
2030	40-44	4132000	4208.3	101.85	76.39	131.05					
2006	45-49	1738280	3201.9	184.21	178.56	188.49	3159.78	180.813	182.898	178.768	
2007	45-49	1780664	3171.5	178.14	175.43	183.67	3146.74	174.724	176.587	172.845	
2008	45-49	1833060	3228.1	176.10	173.09	180.59	3202.87	172.810	174.483	171.166	
2009	45-49	1897549	3352.7	176.70	171.03	178.81	3284.19	172.061	173.521	170.640	
2010	45-49	1944215	3325.0	171.02	167.19	175.17	3327.48	168.934	170.068	167.835	
2011	45-49	2033143	3459.9	170.18	166.44	173.46	3454.03	169.176	170.092	168.321	
2012	45-49	2073530	3483.7	168.02	165.03	171.89	3593.43	169.283	170.053	168.502	
2013	45-49	2152067	3597.0	167.14	163.94	170.79	3672.37	166.576	167.304	165.848	
2014	45-49	2199207	3650.0	165.97	162.83	170.07	3777.88	165.223	165.924	164.481	
2015	45-49	2297961	3823.4	166.36	161.69	170.16	3953.38	167.282	168.117	166.379	
2016	45-49	2378696	3919.8	164.79	157.31	172.59	3977.95	164.122	165.163	162.931	
2017	45-49	2436000	3991.3	163.85	153.88	174.25	3957.28	160.267	161.787	158.602	
2018	45-49	2482000	4042.0	162.85	150.38	175.51					
2019	45-49	2529000	4094.2	161.89	147.34	177.28					
2020	45-49	2591000	4170.2	160.95	144.50	178.24					
2021	45-49	2678000	4285.4	160.02	141.78	179.78					
2022	45-49	2791000	4438.9	159.04	138.94	181.13					
2023	45-49	2925000	4624.0	158.08	136.46	182.31					
2024	45-49	3077000	4835.3	157.14	133.76	183.59					
2025	45-49	3242000	5065.8	156.26	131.21	184.41					
2026	45-49	3415000	5305.3	155.35	128.69	185.62					
2027	45-49	3596000	5554.6	154.47	126.28	187.12					
2028	45-49	3780000	5807.6	153.64	123.93	188.16					
2029	45-49	3953000	6040.6	152.81	121.62	188.94					
2030	45-49	4094000	6218.7	151.90	119.46	189.89					

**Table S1.** continued...

Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2006	50-54	1369357	4106.9	299.92	292.15	308.69	4076.26	293.593	296.849	290.409	
2007	50-54	1438796	4264.3	296.36	289.21	303.92	4205.66	285.074	288.049	282.141	
2008	50-54	1512528	4419.2	292.16	285.89	300.27	4420.14	282.840	285.468	280.225	
2009	50-54	1590825	4701.1	295.51	286.67	301.30	4654.85	282.495	284.752	280.266	
2010	50-54	1673978	4817.6	287.82	280.75	294.78	4779.63	277.124	278.914	275.403	
2011	50-54	1762295	5025.3	285.14	277.70	291.25	4957.29	277.796	279.204	276.472	
2012	50-54	1846307	5147.0	278.77	271.82	284.73	5102.02	279.702	280.916	278.480	
2013	50-54	1931790	5202.2	269.28	263.66	276.14	5154.88	277.903	279.075	276.743	
2014	50-54	2019149	5249.5	259.96	256.59	270.45	5151.30	273.075	274.183	271.838	
2015	50-54	1919327	5284.6	275.36	265.19	279.90	5213.53	270.693	271.943	269.337	
2016	50-54	1950397	5259.3	269.65	250.72	292.75	5206.79	262.680	264.302	260.858	
2017	50-54	2020000	5398.1	267.23	240.63	300.19	5251.75	255.578	257.899	253.038	
2018	50-54	2101000	5563.0	264.78	231.10	306.34					
2019	50-54	2188000	5746.9	262.66	222.93	310.34					
2020	50-54	2270000	5912.9	260.48	215.35	315.97					
2021	50-54	2342000	6052.1	258.42	209.51	318.99					
2022	50-54	2398000	6145.8	256.29	203.18	322.61					
2023	50-54	2445000	6212.7	254.10	196.14	326.50					
2024	50-54	2492000	6286.6	252.27	189.98	330.91					
2025	50-54	2554000	6388.4	250.13	184.85	333.71					
2026	50-54	2641000	6548.1	247.94	179.03	338.99					
2027	50-54	2753000	6773.7	246.05	173.81	340.88					
2028	50-54	2886000	7034.4	243.74	168.81	344.01					
2029	50-54	3037000	7339.8	241.68	163.48	347.00					
2030	50-54	3200000	7672.2	239.76	158.01	349.69					
2006	55-59	964445	5105.8	529.42	514.15	541.19	4983	487.721	492.751	482.679	
2007	55-59	1029762	5226.7	507.59	496.69	520.46	5199	481.006	485.726	476.264	
2008	55-59	1100789	5432.9	493.56	483.31	506.61	5441	475.430	479.496	471.208	
2009	55-59	1178039	5798.1	492.17	480.42	502.32	5751	474.442	478.047	470.855	
2010	55-59	1262067	6098.0	483.18	471.36	493.33	6114	476.670	479.704	473.810	
2011	55-59	1353485	6431.9	475.22	463.73	484.26	6464	473.412	475.755	471.220	

**Table S1.** continued...

		Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
Year	Age	Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2012	55-59	1445290	6609.1	457.28	448.08	467.38	6705	463.394	465.404	461.407	
2013	55-59	1542083	6831.0	442.97	434.92	454.01	6947	455.925	457.798	454.054	
2014	55-59	1644460	7181.0	436.68	430.30	449.66	7245	454.457	456.256	452.505	
2015	55-59	1576265	7273.0	461.41	447.52	468.78	7486	452.392	454.464	450.153	
2016	55-59	1680659	7622.8	453.56	419.75	493.28	7563	444.890	447.587	441.836	
2017	55-59	1728000	7777.5	450.09	403.00	505.84	7541	435.867	439.705	431.669	
2018	55-59	1767000	7888.3	446.42	388.83	516.62					
2019	55-59	1805000	7994.4	442.91	375.70	524.72					
2020	55-59	1848000	8117.1	439.24	363.90	533.03					
2021	55-59	1902000	8288.5	435.78	352.49	540.25					
2022	55-59	1971000	8531.1	432.83	341.51	545.13					
2023	55-59	2051000	8810.7	429.58	329.72	553.25					
2024	55-59	2137000	9111.4	426.37	318.86	559.58					
2025	55-59	2218000	9379.8	422.90	310.45	567.12					
2026	55-59	2288000	9611.9	420.10	299.71	573.28					
2027	55-59	2345000	9774.3	416.81	291.21	582.82					
2028	55-59	2391000	9898.9	414.01	281.19	587.95					
2029	55-59	2438000	10014.0	410.75	273.36	592.97					
2030	55-59	2500000	10193.2	407.73	263.60	600.57					
2006	60-64	741703	6421.8	865.85	844.68	879.15	6393	848.460	856.909	839.950	
2007	60-64	779536	6549.8	840.24	828.88	856.33	6496	824.790	832.632	816.877	
2008	60-64	827921	6811.7	822.78	813.47	839.12	6777	816.540	823.448	809.619	
2009	60-64	872921	7098.4	813.13	801.45	825.94	7180	815.606	821.618	809.686	
2010	60-64	928766	7484.9	805.91	789.03	815.28	7515	801.340	806.214	796.622	
2011	60-64	987945	7885.0	798.12	787.68	811.24	7922	800.836	804.695	797.196	
2012	60-64	1039615	8265.0	795.01	786.78	809.89	8392	803.471	806.879	800.189	
2013	60-64	1098821	8831.0	803.68	790.68	813.18	8939	810.952	814.152	807.769	
2014	60-64	1161874	9342.6	804.13	791.35	814.37	9529	819.285	822.435	815.895	
2015	60-64	1197641	9617.0	803.00	789.33	815.52	9966	812.904	816.483	809.075	
2016	60-64	1289910	10335.3	801.24	774.33	827.80	10321	793.376	797.932	788.156	
2017	60-64	1358000	10869.2	800.38	761.90	837.64	10658	774.732	781.305	767.396	

**Table S1.** continued...

Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2018	60-64	1428000	11415.2	799.39	750.92	844.04					
2019	60-64	1495000	11937.4	798.49	739.50	852.10					
2020	60-64	1558000	12429.0	797.76	729.05	858.15					
2021	60-64	1613000	12854.7	796.94	720.06	864.37					
2022	60-64	1659000	13209.2	796.22	711.50	870.61					
2023	60-64	1698000	13499.7	795.03	701.65	877.32					
2024	60-64	1736000	13787.9	794.23	691.28	883.03					
2025	60-64	1778000	14101.0	793.08	683.39	889.73					
2026	60-64	1832000	14515.3	792.32	674.88	897.22					
2027	60-64	1899000	15026.4	791.28	666.56	903.73					
2028	60-64	1978000	15630.3	790.21	658.21	911.63					
2029	60-64	2061000	16264.2	789.14	650.07	916.17					
2030	60-64	2141000	16878.2	788.33	643.49	923.47					
2006	65-69	595080	8616.1	1447.87	1424.37	1474.05	8547	1411.663	1425.166	1397.393	
2007	65-69	605890	8655.4	1428.48	1404.63	1445.28	8570	1380.640	1393.212	1367.357	
2008	65-69	632307	8799.9	1391.73	1377.93	1415.92	8755	1372.786	1383.993	1361.350	
2009	65-69	648244	8942.1	1379.42	1357.35	1394.58	9022	1374.574	1384.561	1364.859	
2010	65-69	674226	9080.0	1346.73	1330.58	1370.01	9142	1348.799	1356.918	1340.773	
2011	65-69	702389	9463.9	1347.40	1329.21	1365.36	9514	1349.697	1356.183	1343.476	
2012	65-69	731012	9812.3	1342.25	1326.44	1361.08	9975	1360.024	1365.952	1354.330	
2013	65-69	759877	10285.0	1353.51	1325.05	1362.73	10491	1363.319	1368.786	1357.928	
2014	65-69	809927	10741.4	1326.17	1312.73	1347.21	10939	1344.654	1349.862	1338.954	
2015	65-69	859783	11351.0	1320.22	1302.22	1342.90	11556	1336.439	1342.284	1329.887	
2016	65-69	902554	11891.7	1317.56	1274.75	1356.48	12002	1317.483	1325.321	1308.729	
2017	65-69	957000	12557.1	1312.13	1253.52	1366.85	12403	1289.418	1300.569	1277.425	
2018	65-69	1015000	13261.3	1306.53	1234.04	1374.95					
2019	65-69	1076000	13998.0	1300.93	1215.15	1381.39					
2020	65-69	1138000	14744.0	1295.61	1195.89	1388.25					
2021	65-69	1202000	15506.2	1290.03	1178.05	1394.31					
2022	65-69	1267000	16275.5	1284.57	1160.64	1402.04					
2023	65-69	1333000	17052.0	1279.22	1142.78	1409.63					

**Table S1.** continued...

		Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017			
Year	Age	Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2024	65-69	1397000	17792.2	1273.60	1126.46	1415.34				
2025	65-69	1457000	18475.2	1268.03	1111.86	1423.53				
2026	65-69	1510000	19063.4	1262.48	1095.24	1431.17				
2027	65-69	1554000	19543.9	1257.65	1079.02	1435.80				
2028	65-69	1592000	19938.2	1252.40	1062.29	1441.95				
2029	65-69	1628000	20296.7	1246.73	1047.62	1449.98				
2030	65-69	1670000	20738.7	1241.84	1033.07	1457.85				



**Table S2.** Population, number of death and all-cause premature death rate for 2006–30 among individuals aged 25–69 years at the most recently observed death rate (2006 to 2015) and at the model-projected rate, rate per 100,000 (Men)

Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2006	25-29	3660167	6632.71	181.22	177.193	185.566	6177	163.482	164.915	162.087	
2007	25-29	3787022	6801.70	179.61	175.749	183.509	6577	164.795	166.193	163.527	
2008	25-29	3919598	6945.40	177.19	173.751	181.283	6964	165.379	166.618	164.237	
2009	25-29	4058185	7297.41	179.81	175.319	183.069	7220	165.125	166.199	164.113	
2010	25-29	4203090	7313.90	174.01	170.321	177.720	7313	164.487	165.325	163.660	
2011	25-29	4354634	7235.00	166.14	162.340	169.361	7219	161.233	161.853	160.585	
2012	25-29	4489339	6972.00	155.30	152.149	158.753	7026	156.558	157.055	156.034	
2013	25-29	4621680	6785.00	146.81	143.383	149.799	6757	151.112	151.526	150.649	
2014	25-29	4752619	6401.54	134.70	132.706	139.496	6317	142.461	142.880	142.030	
2015	25-29	4311193	5991.00	138.96	134.542	141.544	6016	137.767	138.208	137.307	
2016	25-29	4143445	5519.18	133.20	121.579	149.128	5761	135.414	135.980	134.796	
2017	25-29	3986000	5128.60	128.67	112.177	151.177	5530	135.310	136.234	134.401	
2018	25-29	3798000	4723.49	124.37	104.567	152.067					
2019	25-29	3595000	4317.57	120.10	97.900	153.699					
2020	25-29	3398000	3942.43	116.02	91.162	153.173					
2021	25-29	3224000	3614.41	112.11	85.453	154.916					
2022	25-29	3078000	3337.96	108.45	79.644	154.481					
2023	25-29	2961000	3107.05	104.93	74.776	155.019					
2024	25-29	2871000	2915.76	101.56	69.736	154.849					
2025	25-29	2807000	2750.56	97.99	65.297	154.489					
2026	25-29	2766000	2621.40	94.77	61.399	154.356					
2027	25-29	2750000	2524.49	91.80	57.064	153.975					
2028	25-29	2758000	2446.31	88.70	53.412	153.579					
2029	25-29	2788000	2389.54	85.71	49.790	153.245					
2030	25-29	2832000	2347.75	82.90	46.895	153.147					
2006	30-34	2837969	5671.70	199.86	194.803	204.659	5343	176.981	178.529	175.530	
2007	30-34	2961627	5802.90	195.94	191.115	199.993	5644	181.488	183.020	180.094	
2008	30-34	3090962	5813.78	188.10	184.631	193.297	5856	182.333	183.679	181.074	
2009	30-34	3226248	6012.78	186.38	182.846	191.252	6049	181.970	183.189	180.859	
2010	30-34	3367770	6367.26	189.06	184.479	192.741	6394	185.020	185.972	184.118	

Table S2. continued...										
Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017			
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2011	30-34	3515828	6509.07	185.13	180.052	188.324	6544	180.562	181.259	179.831
2012	30-34	3651357	6349.00	173.88	170.526	178.048	6602	171.649	172.205	171.101
2013	30-34	3785838	6298.00	166.36	163.508	170.618	6618	162.124	162.579	161.633
2014	30-34	3919949	6518.47	166.28	160.797	168.546	6486	151.889	152.336	151.434
2015	30-34	4095006	6201.00	151.43	148.866	156.277	6386	145.717	146.193	145.233
2016	30-34	4340448	6409.77	147.68	135.557	160.351	6312	141.901	142.507	141.228
2017	30-34	4383000	6251.04	142.62	126.342	161.566	6314	141.174	142.142	140.178
2018	30-34	4379000	6038.30	137.89	117.695	162.107				
2019	30-34	4333000	5774.16	133.26	110.512	162.311				
2020	30-34	4246000	5471.79	128.87	103.710	162.507				
2021	30-34	4125000	5140.20	124.61	97.285	162.121				
2022	30-34	3969000	4785.75	120.58	91.581	161.502				
2023	30-34	3781000	4410.30	116.64	85.976	161.179				
2024	30-34	3580000	4041.39	112.89	80.499	159.712				
2025	30-34	3384000	3690.75	109.06	75.706	158.945				
2026	30-34	3211000	3390.49	105.59	70.906	158.691				
2027	30-34	3067000	3136.13	102.25	66.673	157.971				
2028	30-34	2950000	2915.63	98.84	62.683	156.855				
2029	30-34	2861000	2734.08	95.56	59.291	156.011				
2030	30-34	2797000	2588.34	92.54	55.760	156.047				
2006	35-39	2511545	5601.70	223.05	216.504	227.559	5185	203.613	205.566	201.791
2007	35-39	2574558	5448.90	211.65	207.604	217.702	5374	203.842	205.676	202.146
2008	35-39	2639830	5510.00	208.73	204.145	213.896	5577	204.724	206.373	203.160
2009	35-39	2707461	5574.90	205.91	201.711	211.416	5699	203.331	204.743	202.004
2010	35-39	2777559	5856.61	210.87	203.490	214.082	5759	200.941	202.016	199.904
2011	35-39	2850233	5541.80	194.44	191.403	201.011	5799	197.672	198.487	196.830
2012	35-39	2910160	5700.42	195.87	190.814	199.844	5850	193.586	194.255	192.917
2013	35-39	2966969	5621.00	189.45	185.833	194.733	5833	186.023	186.606	185.426
2014	35-39	3021347	5825.10	192.79	186.426	195.881	5803	177.194	177.744	176.625
2015	35-39	3169574	5726.00	180.66	177.005	185.980	5903	171.181	171.797	170.571

**Table S2.** continued...

Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2016	35-39	3572403	6343.50	177.57	161.742	193.635	6218	169.766	170.538	168.871	
2017	35-39	3748000	6504.46	173.54	151.955	196.985	6640	169.622	170.899	168.281	
2018	35-39	3926000	6659.00	169.61	143.358	199.027					
2019	35-39	4092000	6777.62	165.63	135.207	200.635					
2020	35-39	4226000	6843.53	161.94	128.075	201.122					
2021	35-39	4317000	6832.10	158.26	122.075	203.112					
2022	35-39	4359000	6737.87	154.57	115.386	203.440					
2023	35-39	4357000	6580.69	151.04	110.118	205.345					
2024	35-39	4310000	6363.89	147.65	103.988	204.849					
2025	35-39	4225000	6095.26	144.27	98.930	205.575					
2026	35-39	4105000	5796.02	141.19	94.049	206.352					
2027	35-39	3950000	5446.96	137.90	89.467	206.671					
2028	35-39	3764000	5071.11	134.73	85.290	207.002					
2029	35-39	3563000	4689.05	131.60	81.182	206.492					
2030	35-39	3369000	4333.05	128.62	76.904	207.338					
2006	40-44	2081679	5832.20	280.16	273.530	286.295	5689	262.098	264.808	259.586	
2007	40-44	2156333	5901.46	273.66	268.261	279.177	5805	260.013	262.482	257.759	
2008	40-44	2233992	5972.40	267.32	262.806	273.144	5946	258.606	260.815	256.531	
2009	40-44	2314788	6132.16	264.91	258.625	268.974	6108	257.058	258.968	255.263	
2010	40-44	2398866	6184.74	257.83	251.968	262.473	6217	252.307	253.790	250.912	
2011	40-44	2486379	6218.00	250.08	244.817	254.423	6302	246.921	248.015	245.854	
2012	40-44	2563872	6109.00	238.27	235.446	245.981	6385	242.614	243.494	241.723	
2013	40-44	2639574	6250.00	236.78	233.018	242.435	6486	239.803	240.593	239.019	
2014	40-44	2714003	6461.93	238.10	232.468	241.720	6438	232.564	233.300	231.772	
2015	40-44	2691410	6301.00	234.12	228.349	238.794	6385	226.230	227.086	225.409	
2016	40-44	2813890	6441.20	228.91	217.133	242.435	6313	218.667	219.752	217.447	
2017	40-44	2928000	6576.28	224.60	208.299	243.888	6405	215.082	216.754	213.297	
2018	40-44	3062000	6748.91	220.41	199.909	244.415					
2019	40-44	3213000	6949.70	216.30	192.493	244.100					
2020	40-44	3376000	7163.89	212.20	185.263	244.577					
2021	40-44	3544000	7382.28	208.30	178.141	244.428					

**Table S2.** continued...

Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017			
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2022	40-44	3719000	7599.27	204.34	171.606	244.585				
2023	40-44	3897000	7813.83	200.51	165.681	243.825				
2024	40-44	4062000	7997.18	196.88	159.917	243.307				
2025	40-44	4196000	8101.42	193.07	153.628	242.945				
2026	40-44	4287000	8127.02	189.57	148.349	242.576				
2027	40-44	4329000	8055.41	186.08	143.099	242.654				
2028	40-44	4327000	7900.88	182.59	137.471	241.965				
2029	40-44	4282000	7669.26	179.10	132.442	242.606				
2030	40-44	4198000	7377.74	175.74	127.464	242.329				
2006	45-49	1792481	6904.00	385.16	379.628	396.620	6734	373.543	377.528	369.853
2007	45-49	1836028	7182.70	391.23	381.881	396.229	6929	372.506	376.210	369.048
2008	45-49	1881226	7226.83	384.16	377.213	390.960	7092	370.760	374.072	367.629
2009	45-49	1928135	7333.38	380.32	372.435	386.144	7223	367.714	370.585	364.983
2010	45-49	1976817	7391.49	373.88	365.154	379.009	7326	363.228	365.452	361.164
2011	45-49	2027338	7189.00	354.60	350.632	364.822	7374	355.348	356.928	353.794
2012	45-49	2068787	7265.00	351.17	345.593	358.115	7419	346.348	347.634	345.063
2013	45-49	2108016	7324.00	347.44	341.120	353.406	7448	335.790	336.949	334.631
2014	45-49	2145493	7358.61	343.00	335.858	348.226	7456	323.166	324.238	322.002
2015	45-49	2217491	7407.90	334.07	327.499	341.064	7680	318.957	320.183	317.761
2016	45-49	2454427	8036.99	327.45	310.984	344.935	7805	311.440	313.038	309.687
2017	45-49	2518000	8081.50	320.95	297.799	345.835	7923	306.017	308.461	303.366
2018	45-49	2570000	8078.34	314.33	286.089	346.408				
2019	45-49	2622000	8077.34	308.06	275.533	345.967				
2020	45-49	2688000	8116.24	301.94	265.165	345.538				
2021	45-49	2777000	8213.15	295.76	255.263	344.486				
2022	45-49	2891000	8383.33	289.98	244.932	343.354				
2023	45-49	3024000	8589.62	284.05	235.561	342.509				
2024	45-49	3174000	8834.42	278.34	226.638	341.486				
2025	45-49	3335000	9101.21	272.90	218.591	340.035				
2026	45-49	3503000	9365.78	267.36	210.441	339.298				
2027	45-49	3677000	9634.34	262.02	203.306	338.988				

Table S2. continued...										
Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017			
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2028	45-49	3853000	9888.35	256.64	195.454	337.234				
2029	45-49	4017000	10108.87	251.65	188.164	336.059				
2030	45-49	4151000	10236.44	246.60	181.333	334.051				
2006	50-54	1386063	8514.22	614.26	603.473	628.080	8347	596.570	603.134	590.577
2007	50-54	1454415	8971.63	616.88	602.942	626.125	8823	592.213	598.127	586.747
2008	50-54	1526304	9113.53	597.13	586.871	608.427	9256	587.112	592.379	582.206
2009	50-54	1601917	9343.00	583.24	573.768	595.080	9642	581.645	586.124	577.417
2010	50-54	1681450	9773.00	581.22	569.064	589.972	9900	571.687	575.157	568.512
2011	50-54	1765113	9899.00	560.81	550.622	570.210	10018	558.556	560.963	556.166
2012	50-54	1843340	9924.00	538.37	529.695	548.657	10055	546.507	548.478	544.519
2013	50-54	1921860	10065.92	523.76	514.734	533.214	10117	538.693	540.497	536.818
2014	50-54	2001009	10131.87	506.34	500.348	519.447	10146	529.588	531.289	527.744
2015	50-54	1915357	10064.00	525.44	511.634	532.503	10213	521.581	523.577	519.680
2016	50-54	1975574	10098.47	511.17	478.996	551.401	10181	506.336	508.885	503.526
2017	50-54	2050000	10277.66	501.35	454.303	558.247	10282	495.168	499.084	491.059
2018	50-54	2138000	10509.57	491.56	432.873	562.833				
2019	50-54	2232000	10759.19	482.04	414.662	568.080				
2020	50-54	2322000	10973.00	472.57	396.242	570.319				
2021	50-54	2399000	11120.29	463.54	379.872	571.976				
2022	50-54	2462000	11185.82	454.34	364.114	573.793				
2023	50-54	2514000	11201.97	445.58	347.914	574.302				
2024	50-54	2566000	11210.07	436.87	335.088	576.935				
2025	50-54	2631000	11281.98	428.81	321.191	577.379				
2026	50-54	2720000	11438.74	420.54	307.488	580.157				
2027	50-54	2832000	11681.83	412.49	294.276	581.678				
2028	50-54	2964000	11976.00	404.05	282.767	582.173				
2029	50-54	3112000	12343.48	396.64	269.773	583.954				
2030	50-54	3271000	12724.69	389.02	259.216	586.500				
2006	55-59	923536	9021.28	976.79	955.770	995.148	9192	923.457	932.707	914.967
2007	55-59	991658	9283.00	936.11	918.796	955.020	9503	909.244	917.864	901.499
2008	55-59	1065497	9697.00	910.09	894.138	928.784	9931	899.509	907.033	892.510

**Table S2.** continued...

		Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017				
Year	Age	Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate		
					Lower limit	Upper limit			Lower limit	Upper limit	
2009	55-59	1145562	10373.00	905.49	887.556	920.915	10419	888.010	894.486	881.961	
2010	55-59	1232404	10768.74	873.82	857.753	889.339	10877	867.716	872.708	863.159	
2011	55-59	1326634	11205.40	844.62	830.271	860.001	11449	851.529	854.945	848.150	
2012	55-59	1421366	11792.00	829.62	814.757	843.694	12011	838.978	841.870	836.125	
2013	55-59	1521071	12191.00	801.47	788.683	816.158	12511	828.092	830.644	825.450	
2014	55-59	1626323	12896.14	792.95	782.490	809.612	13134	830.635	833.212	827.883	
2015	55-59	1542201	13288.00	861.63	843.496	873.053	13676	832.798	835.788	829.880	
2016	55-59	1669934	14153.16	847.53	765.000	937.551	13786	814.906	818.835	810.619	
2017	55-59	1716000	14356.32	836.62	718.028	963.914	13801	797.478	803.468	791.134	
2018	55-59	1756000	14510.64	826.35	681.096	990.953					
2019	55-59	1795000	14631.26	815.11	649.403	1012.532					
2020	55-59	1841000	14817.80	804.88	618.727	1028.801					
2021	55-59	1899000	15080.60	794.13	587.954	1047.388					
2022	55-59	1972000	15444.62	783.20	561.656	1065.347					
2023	55-59	2058000	15903.58	772.77	536.576	1082.815					
2024	55-59	2150000	16419.93	763.72	515.799	1099.219					
2025	55-59	2237000	16847.58	753.13	493.762	1114.380					
2026	55-59	2313000	17206.01	743.88	473.041	1126.601					
2027	55-59	2374000	17423.55	733.93	452.562	1145.309					
2028	55-59	2426000	17588.59	725.00	432.114	1160.437					
2029	55-59	2477000	17696.47	714.43	414.078	1177.574					
2030	55-59	2541000	17900.72	704.48	398.483	1193.803					
2006	60-64	726449	10388.00	1429.97	1400.910	1454.112	10501	1408.613	1421.875	1396.564	
2007	60-64	754351	10402.00	1378.93	1356.450	1405.142	10538	1374.431	1386.553	1363.275	
2008	60-64	783683	10621.00	1355.27	1332.968	1379.911	10794	1360.109	1371.041	1350.001	
2009	60-64	814513	10957.00	1345.22	1320.157	1366.632	11097	1344.737	1353.869	1336.059	
2010	60-64	846914	11064.00	1306.39	1284.866	1330.588	11151	1296.366	1303.264	1290.027	
2011	60-64	880962	11466.73	1301.65	1281.491	1324.584	11451	1278.252	1283.018	1273.576	
2012	60-64	911900	11915.96	1306.72	1288.007	1332.342	12126	1279.894	1283.921	1275.910	
2013	60-64	942628	12732.38	1350.69	1329.137	1372.531	12933	1279.320	1283.090	1275.569	
2014	60-64	973327	13632.00	1400.56	1368.471	1416.363	13942	1284.141	1287.857	1280.317	

Table S2. continued...										
Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017			
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2015	60-64	1101210	14747.81	1339.25	1321.610	1363.891	15116	1292.029	1296.357	1287.863
2016	60-64	1252663	16713.19	1334.21	1224.090	1434.312	15820	1253.387	1259.142	1247.346
2017	60-64	1322000	17518.71	1325.17	1165.572	1470.380	16468	1222.052	1230.594	1213.133
2018	60-64	1389000	18283.64	1316.32	1118.974	1497.654				
2019	60-64	1452000	18967.66	1306.31	1076.373	1528.928				
2020	60-64	1510000	19574.39	1296.32	1035.974	1553.726				
2021	60-64	1562000	20107.75	1287.31	999.712	1575.345				
2022	60-64	1607000	20552.16	1278.92	964.813	1602.245				
2023	60-64	1646000	20905.19	1270.06	933.890	1623.374				
2024	60-64	1684000	21211.01	1259.56	899.218	1649.211				
2025	60-64	1728000	21567.62	1248.13	869.311	1672.933				
2026	60-64	1784000	22144.08	1241.26	838.760	1701.799				
2027	60-64	1855000	22851.93	1231.91	813.136	1725.785				
2028	60-64	1937000	23672.54	1222.12	785.263	1751.843				
2029	60-64	2024000	24564.80	1213.68	762.147	1774.923				
2030	60-64	2107000	25411.22	1206.04	736.158	1800.849				
2006	65-69	622470	13514.60	2171.19	2133.096	2204.868	13721	2113.536	2132.478	2096.264
2007	65-69	625400	13059.00	2088.10	2055.877	2124.266	13256	2062.586	2080.099	2047.078
2008	65-69	628952	12841.00	2041.65	2009.226	2075.942	13086	2050.639	2065.702	2036.337
2009	65-69	633128	12773.00	2017.44	1981.564	2047.728	12914	2027.454	2040.563	2014.799
2010	65-69	637925	12356.95	1937.06	1907.890	1973.740	12486	1946.175	1956.298	1936.833
2011	65-69	643342	12524.00	1946.71	1916.111	1981.013	12633	1928.341	1935.537	1921.285
2012	65-69	645954	12847.00	1988.84	1955.385	2021.007	13166	1950.552	1956.580	1944.480
2013	65-69	648002	13043.81	2012.96	1981.985	2048.308	13617	1937.596	1943.097	1931.915

2014	65-69	649664	13610.00	2094.93	2047.147	2119.010	14066	1907.821	1913.285	1902.034
2015	65-69	723768	14131.49	1952.42	1926.143	1991.038	14761	1901.594	1907.806	1895.565
2016	65-69	808910	15693.06	1940.03	1762.714	2114.792	15248	1868.933	1877.393	1859.921
2017	65-69	862000	16557.32	1920.80	1663.635	2178.804	15907	1831.049	1844.057	1817.364
2018	65-69	924000	17589.70	1903.65	1588.325	2227.247				
2019	65-69	990000	18652.84	1884.13	1527.741	2266.839				
2020	65-69	1058000	19717.89	1863.70	1460.070	2312.141				

**Table S2. continued...**

Year	Age	Result of the study for 2006 to 2030					Result of GBD for 2006 to 2017			
		Population	Death Number	Mortality Rate	95% CI for Rate		Death Number	Mortality Rate	95% CI for Rate	
					Lower limit	Upper limit			Lower limit	Upper limit
2021	65-69	1123000	20718.68	1844.94	1404.430	2353.044				
2022	65-69	1187000	21652.49	1824.14	1346.911	2387.587				
2023	65-69	1248000	22535.90	1805.76	1296.184	2419.651				
2024	65-69	1306000	23349.91	1787.90	1242.518	2463.111				
2025	65-69	1360000	24086.54	1771.07	1186.983	2491.693				
2026	65-69	1408000	24683.79	1753.11	1143.785	2545.724				
2027	65-69	1450000	25142.17	1733.94	1102.898	2588.297				
2028	65-69	1486000	25473.83	1714.26	1064.313	2625.928				
2029	65-69	1522000	25838.10	1697.64	1024.708	2663.914				
2030	65-69	1564000	26219.74	1676.45	987.866	2694.501				