

Online Supplement Appendix

Table S1. Top 13 Causes of Death among non-centenarian elders and centenarians.....	2
Table S2. Cause of death by age group and hospital as place of death	3
Table S3. Cause of death by age group and own home as place of death	4
Table S4. Cause of death by age group and own home by AMA discharges as place of death	5
Table S5. Cause of death by age group and “others” as place of death	6
Figure S1. Actual and forecast of numbers of total deaths for elders aged over 65 in Taiwan	7
Figure S2. Actual and forecast of percentages of centenarian deaths (S2A) and non-centenarian death (S2B) in Taiwan	8

Table S1. Top 13 Causes of Death among noncentenarian elders and centenarians.

Group	Noncentenarian		Group	Centenarians	
	N=820563	%		N=2495	%
Cancer	204188	24.88	Respiratory diseases	414	16.59
Others	111754	13.62	Circulatory diseases	379	15.19
Cerebro-vascular	90671	11.05	Pneumoniae	369	14.79
Circulatory diseases	90561	11.04	Old age	289	11.58
Respiratory diseases	78521	9.57	Others	247	9.90
Pneumoniae	55200	6.73	Infection (bacteremia)	184	7.37
Infection (bacteremia)	46287	5.64	Cerebro-vascular	165	6.61
Ischemic heart disease	38812	4.73	Cancer	148	5.93
Gastrointestinal and hepatic diseases	37533	4.57	Ischemic heart disease	101	4.05
Renal Failure	31580	3.85	Renal Failure	78	3.13
Old age	18796	2.29	Gastrointestinal and hepatic diseases	65	2.61
Fracture	11496	1.40	Dementia	38	1.52
Dementia	5164	0.63	Fracture	18	0.72

Table S2. Cause of death by age group and hospital as place of death

Group	65-74 Years		75-84 Years		85-99 Years		100+ Years	
	N=88359	%	N=144005	%	N=75072	%	N=761	%
Pneumoniae	4576	5.18	13150	9.13	10612	14.14	163	21.42
Respiratory diseases	5184	5.87	13213	9.18	8668	11.55	101	13.27
Cerebro-vascular	8035	9.09	14451	10.04	7451	9.93	52	6.83
Ischemic heart disease	3851	4.36	6968	4.84	3503	4.67	33	4.34
Circulatory diseases	7006	7.93	13623	9.46	8989	11.97	98	12.88
Cancer	31633	35.80	38425	26.68	12678	16.89	70	9.20
Dementia	136	0.15	522	0.36	625	0.83	8	1.05
Gastrointestinal and hepatic diseases	5119	5.79	6887	4.78	2955	3.94	27	3.55
Renal Failure	3531	4.00	6160	4.28	3600	4.80	30	3.94
Infection (bacteremia)	4926	5.57	10780	7.49	7143	9.51	82	10.78
Fracture	2476	2.80	2294	1.59	686	0.91	11	1.45
Old age	53	0.06	221	0.15	287	0.38	7	0.92
Others	11833	13.39	17311	12.02	7875	10.49	79	10.38

Table S3. Cause of death by age group and own home as place of death

Group	65-74 Years		75-84 Years		85-99 Years		100+ Years	
	N=146879	%	N=201931	%	N=118211	%	N=1591	%
Pneumoniae	4422	17.90	10415	42.15	9684	39.19	188	0.76
Respiratory diseases	8992	36.39	19589	79.28	16044	64.93	284	1.15
Cerebro-vascular	16830	68.11	24515	99.21	12481	50.51	104	0.42
Ischemic heart disease	6779	27.44	10268	41.56	5763	23.32	63	0.25
Circulatory diseases	12867	52.07	24049	97.33	17989	72.80	259	1.05
Cancer	51680	209.15	48522	196.37	14925	60.40	74	0.30
Dementia	476	1.93	1449	5.86	1425	5.77	25	0.10
Gastrointestinal and hepatic diseases	8686	35.15	8857	35.85	3973	16.08	35	0.14
Renal Failure	5001	20.24	7514	30.41	4251	17.20	44	0.18
Infection (bacteremia)	5378	21.77	9954	40.28	7081	28.66	98	0.40
Fracture	1984	8.03	1728	6.99	748	3.03	7	0.03
Old age	1172	4.74	6029	24.40	9750	39.46	269	1.09
Others	22612	91.51	29042	117.54	14097	57.05	141	0.00

Table S4. Cause of death by age group and own home by AMA discharges as place of death

Group	65-74 Years		75-84 Years		85-99 Years		100+ Years	
	N=2413	Percent	N=3464	Percent	N=2091	Percent	N=24	Percent
Pneumoniae	206	16.04	548	42.68	519	40.42	11	0.86
Respiratory diseases	136	10.59	374	29.13	318	24.77	4	0.31
Cerebro-vascular	384	29.91	526	40.97	270	21.03	4	0.31
Ischemic heart disease	30	2.34	55	4.28	39	3.04	0	0.00
Circulatory diseases	117	9.11	262	20.40	175	13.63	1	0.08
Cancer	1086	84.58	985	76.71	303	23.60	1	0.08
Dementia	1	0.08	9	0.70	12	0.93	0	0.00
Gastrointestinal and hepatic diseases	108	8.41	137	10.67	82	6.39	0	0.00
Renal Failure	214	16.67	330	25.70	178	13.86	1	0.08
Infection (bacteremia)	39	3.04	96	7.48	63	4.91	1	0.08
Old age	6	0.47	39	3.04	72	5.61	1	0.08
Others	86	6.70	103	8.02	60	4.67	0	0.00

Table S5. Cause of death by age group and “others” as place of death

Group	65-74 Years		75-84 Years		85-99 Years		100+ Years	
	N=12152	Percent	N=16754	Percent	N=9232	Percent	N=119	Percent
Pneumoniae	166	1.37	483	2.88	419	4.54	7	5.88
Respiratory diseases	1413	11.63	2714	16.20	1876	20.32	25	21.01
Cerebro-vascular	1869	15.38	2667	15.92	1192	12.91	5	4.20
Ischemic heart disease	507	4.17	706	4.21	343	3.72	5	4.20
Circulatory diseases	1643	13.52	2390	14.27	1451	15.72	21	17.65
Cancer	1445	11.89	1823	10.88	683	7.40	3	2.52
Dementia	56	0.46	218	1.30	235	2.55	5	4.20
Gastrointestinal and hepatic diseases	277	2.28	310	1.85	142	1.54	3	2.52
Renal Failure	250	2.06	365	2.18	186	2.01	3	2.52
Infection (bacteremia)	196	1.61	365	2.18	266	2.88	3	2.52
Fracture	857	7.05	577	3.44	146	1.58	0	0.00
Old age	117	0.96	455	2.72	595	6.44	12	10.08
Others	3356	27.62	3681	21.97	1698	18.39	27	22.69

Total elder deaths

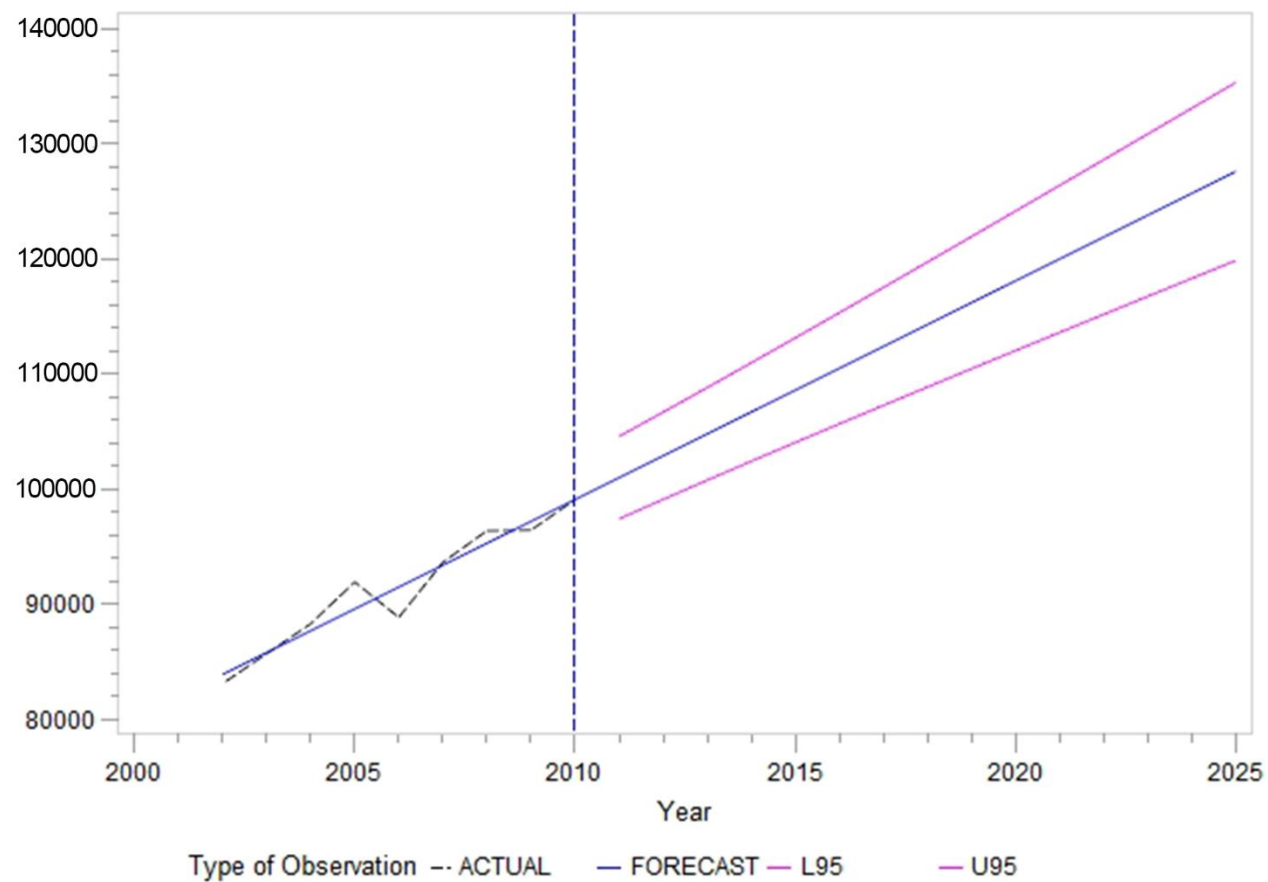


Figure S1. Actual and forecast of numbers of total deaths for elders aged over 65 in Taiwan

Percentage of centenarian deaths

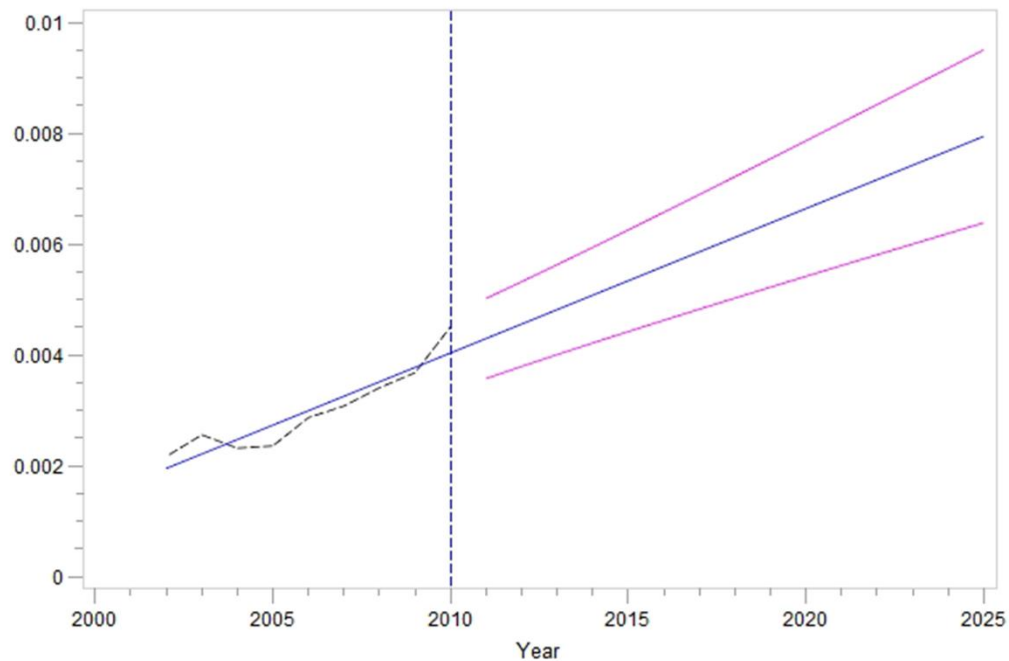


Fig. S2A Type of Observation -- ACTUAL -- FORECAST -- L95 -- U95

Percentage of non-centenarian deaths

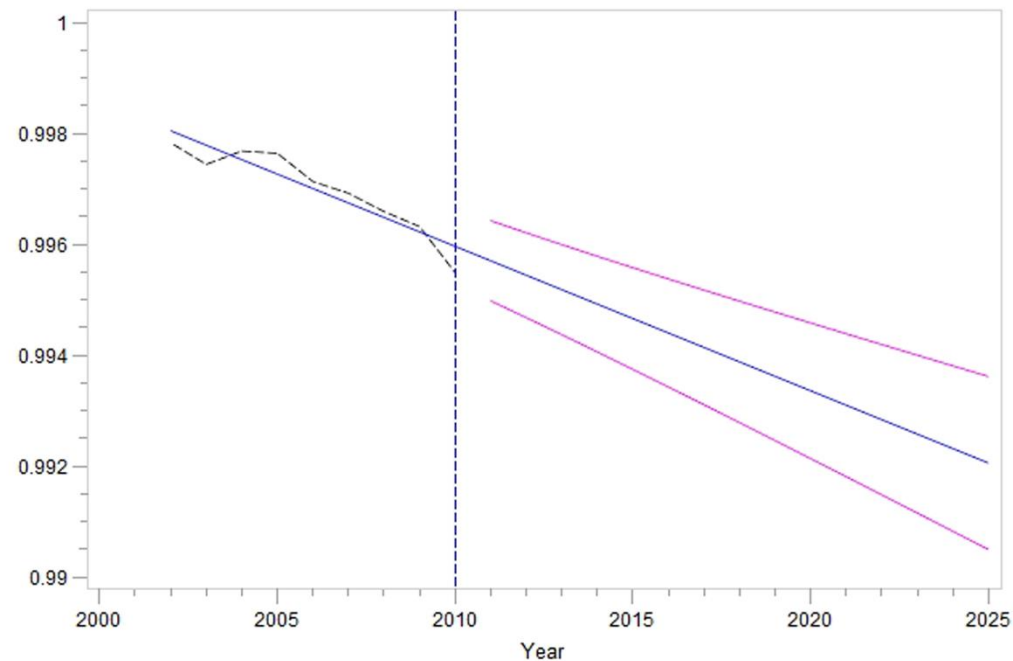


Fig. S2B Type of Observation -- ACTUAL -- FORECAST -- L95 -- U95

Figure S2. Actual and forecast of percentages of centenarian deaths (S2A) and non-centenarian death (S2B) in Taiwan