information paper

on

Complete Life Table

Complete Life Tables 2003-2006

for Singapore Resident Population

Singapore Department of Statistics
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I Introduction

1. Current life tables depict the mortality experience of a given population, based on the assumption that this group is subject to the age-specific mortality rates of the reference period throughout their lives. Life expectancy of persons at various ages are derived from life tables, and shows the average number of years that persons (at birth or at a specific age such as age 65 years) might expect to live if they experience these mortality rates. The derived life expectancies give an indication of the average longevity of the population, but do not necessarily reflect the longevity of an individual.

2. Life tables can be classified into either complete life tables or abridged life tables according to the length of the age interval in which the data are compiled and presented. A complete life table contains data for every single year of age. An abridged life table contains data at 5-year or 10-year age intervals. Abridged life tables are more commonly produced than complete life tables, and are sufficient for most purposes when the degree of detail needed is not so great.

3. The Singapore Department of Statistics (DOS) has been compiling annual abridged life tables that provide data at 5-year age intervals and up to age 85 years and over. With the growing proportion of elderly persons in Singapore, and the greater demand for data at specific ages, there is increasing need for complete life tables covering single years of age up to age 100 years and over.

4. DOS has concluded its review of methodology for constructing complete life table and has compiled the complete life tables for Singapore for the years 2003-2006. This will be an improvement over the abridged life tables as data for single years of age will be available instead of the current 5-year age groupings and for older ages beyond the current age cut-off of 85 years.

5. DOS's release of complete life tables is consistent with the practices in other countries which issue new/revised life tables based on more refined methods of constructing life tables. For example, the US National Center for Health Statistics started to compile complete life tables annually and changed from closing age 85 years and over to 100 years and over since Dec 1999[1], prior to which abridged life tables were produced annually with lower age cut-off at 85 years and over. The Australia Bureau of Statistics revised its life table

[1] National Center for Health Statistics. Vital Health and Statistics 2(129). 1999, Method for Constructing Complete Annual U.S. Life Tables. http://www.cdc.gov/nchs/data/series/sr_02/sr02_129.pdf

methodology in Feb 1997[2] using three years' population and deaths to reduce the impact of year-to-year statistical variations. The new methodology also uses actuarially graduated[3] data and excludes Australian residents temporarily overseas.

6. This paper provides the methodology for constructing complete life tables for the Singapore resident population. It also presents key trends in life expectancies based on the complete life tables for 2003-2006.

II Estimation of Central Death Rates

7. The complete life table is derived from the probability of death (q_x), which is computed from the central death rates (m_x) for each single year of age x. The central death rates of the reference year require annual deaths data and the stock population in Singapore as at the mid-point of the reference year.

8. The annual deaths data refer to deaths occurring in Singapore among Singapore residents. The population data refer to Singapore residents (citizens and Permanent Residents) with usual residence in Singapore.

Derivation and Graduation of Central Death Rates

9. Given Singapore's small population size, the number of deaths is sparsely distributed by single years of age. As a result, the central death rates at single year of age derived directly from the raw data have significant random fluctuations.

10. In order to reduce the impact of random fluctuations, the central death rates for age 0[4], age group 1-4 years and quinquennial age groups 5-9 years, 10-14 years, etc are first derived by dividing the 3-year average number of deaths[5] among Singapore residents by the estimated Singapore resident population in the age group[6].

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[2] Australian Bureau of Statistics, 3302.0 - Deaths, Australia, 1995.

[3] Graduated on the same principles which were used for the quinquennial Australian life tables prepared by the Australian Government Actuary.

[4] Refers to infants below one year old.

[5] The approach of using deaths averaged over three years is also adopted by Australia Bureau of Statistics (ABS) and Statistics New Zealand (SNZ), so as to minimise the impact of year to year random fluctuations not reflective of the underlying causes or long term movements.

[6] For reference year t where the deaths data for year t+1 are not yet available, preliminary death rates are derived based on the average number of deaths in year t and year t-1.

11. Central death rates at single year of age x are then derived using linear interpolation. For the purpose of linear interpolation, ${}_n m_x$ is treated as the single year central death rate at the mid-point of its corresponding age group. That is, m_7 is set as ${}_5 m_5$, m_{12} as ${}_5 m_{10}$, and so on[7]. Mortality rate at age 1 (m_1) is taken to be ${}_4 m_1$ without any interpolation to avoid unnecessary distortion due to the domination of m_0. The remaining values of the single year central death rates are then derived using linear interpolation method.

12. To ensure that there is a smooth progression of mortality rates with age, the derived m_x for each single year of age x was graduated using the Whittaker-Henderson method of graduation. Graduated death rates m_x^g are chosen to minimise the following equation:

$$J = F + hS \equiv \sum_{x=0}^{n} (m_x^g - m_x)^2 + h \sum_{x=0}^{n-3} (\Delta^3 m_x^g)^2$$

where m_x is the initial estimate of death rate at age x

m_x^g is the graduated value of the death rate at age x

h is a non-negative parameter

Δ is a forward difference operator

13. In the equation, F is a measure of fitness and S is a measure of smoothness. The relative importance of smoothness and fit is determined by the value of h. A large value will optimise smoothness while a small value will optimise fit. To balance goodness of fit and smoothness, h is chosen to be 0.5[8]. Small changes in h have a negligible effect on the overall result.

14. The death rate at age 0, m_0, is significantly larger than the death rates at ages 1 to 4. To ensure that the graduated death rates reflect the underlying death rates at ages 1 to 4, a pseudo m_0 (computed as $m_1 \times \frac{m_1}{m_2}$) replaces the original m_0 during the graduation process[9].

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[7] ${}_n m_x$ refers to the death rate among persons aged x to x+n-1, where x is the lower limit of the age group and n refers to the duration in years after age x. In instances where n=1, the left subscript n is omitted according to usual conventions.

[8] This is used in the paper "Estimation of Complete Period Life Tables for Singaporeans" published in the Journal of Actuarial Practice Vol 11, 2004.

[9] This approach is adopted by the Hong Kong Statistics and Census Department.

Estimation of Mortality Rates in High Ages

15. As mortality rates at the oldest ages have very high random fluctuations due to the small population at risk and small numbers of deaths, model-based mortality rates are usually substituted for rates based on raw data at the oldest ages. This approach is practiced by Hong Kong, New Zealand, Canada, and the USA.

16. The Coale-Kisker method is used to estimate Singapore's death rates at single year of age for ages 85 – 99 years[10]. The Coale-Kisker method assumes a decline in the rate of increase in mortality in high ages, that is, for age x $\geq$ 85, $m_x = m_{x-1} \times \exp(k_x)$ where $k_x = k_{x-1} - R$ and R is a constant. Details on the derivation of R are shown in Annex 1.

17. The graduated death rates at single year of age 0 to 99 years are then used to construct the complete life table.

III Construction of the Complete Life Table

18. The life table functions are computed according to conventional methodology.

Probability of Dying

19. For each single year of age x, the probability that a person at age x will die before reaching age x+1 (i.e. q_x) is computed from the central death rates using the formulas below:

At age x =0, $q_0 = \dfrac{m_0}{1+(1-f_0)m_0}$

where f_0 is the separation factor derived from historical data.

At ages 1 to 99, $q_x = \dfrac{m_x}{1+0.5m_x}$

For the open-ended age group 100 years and over, ${}_{\infty}q_{100} = 1$ as all persons will die in this open-ended age group.

[10] The Coale-Kisker method is adopted by Statistics Canada, Hong Kong Statistics and Census Department and the United Nations to estimate mortality rates at old ages for constructing complete life tables.

Number of Survivors at Age x

20. The number of persons living at age 0, l_0, is set at 100,000. For ages greater than 0, the number of persons expected to be living at each age x is derived using the proportions dying in each age interval based on the formula $l_x = l_{x-1} - (l_{x-1} \times q_{x-1})$.

Number of Deaths between ages x and x+1

21. The number of persons expected to die between age x and x+1 is obtained by applying the probability of dying at age x to the number of survivors at the beginning of that age, that is, $d_x = l_x \times q_x$.

Number of Person-years Lived between ages x and x+1

22. L_x is the number of person-years lived within the age interval x to x+1 by survivors at age x. For $x \geq 1$, mortality is assumed to be evenly distributed within the age interval, and therefore $L_x = l_{x+1} + 0.5d_x$ for $x \geq 1$.

23. At age x = 0, deaths tend to be concentrated in the first few months of life. The formula for L_0 is therefore modified using the separation factor f_0 and computed as $L_0 = l_1 + f_0 d_0$.

24. For the open-ended age group 100 years and over, ${}_{\infty}L_{100}$ is calculated by surviving the life table cohort from age 100 until the age at which L_x is essentially zero. The corresponding values for ages 100 years and over are then summed to give ${}_{\infty}L_{100}$.

Total number of Person-Years Lived after Age x

25. The total number of person-years expected to be lived by survivors at age x is obtained by using the formula $T_x = \sum_{x}^{100+} L_x$.

Life Expectancy

26. Life expectancy is the average number of years which a person living at age x is expected to live. It is derived by dividing the number of person-years expected to be lived at age x by the number of survivors at age x, that is, $e_x = \frac{T_x}{l_x}$.

IV Highlights of Results

27. This section presents key trends in life expectancies and the proportion expected to be alive at selected ages for the Singapore resident population based on the complete life table. Data for 2006 are preliminary.

Life Expectancy

28. Life expectancy at birth is an estimate of the average number of years a new born baby might expect to live, if he or she were to experience the age-specific mortality rates of the reference period throughout his or her life. Life expectancy at age 65 years[11] is an estimate of the average number of additional years a person who has reached the age of 65 years might expect to live, if he or she were to experience the age-specific mortality rates of the reference period for the remainder of his or her life.

29. In 2006, a new-born Singapore resident could expect to live to 80 years, up from 79 years in 2003 (Table 1). Females could expect to live longer than males. A boy born in 2006 could expect to live an average of 78 years while a girl could expect to live an average of 83 years.

30. Life expectancy at age 65 years has also improved. In 2006, the average 65-year old male and female can expect to live an average of 17 and 21 more years respectively compared with 16 and 20 more years respectively in 2003.

Table 1 Life Expectancy of Singapore's Resident Population

Years

	At Birth			At Age 65 years		
	Total	Males	Females	Total	Males	Females
2003	79.1	76.6	81.6	18.0	16.2	19.6
2004	79.6	77.1	82.0	18.4	16.5	20.0
2005	80.1	77.6	82.5	18.7	16.9	20.4
2006[P]	80.4	78.0	82.8	19.0	17.2	20.6

Proportion Expected to be Living at Selected Ages

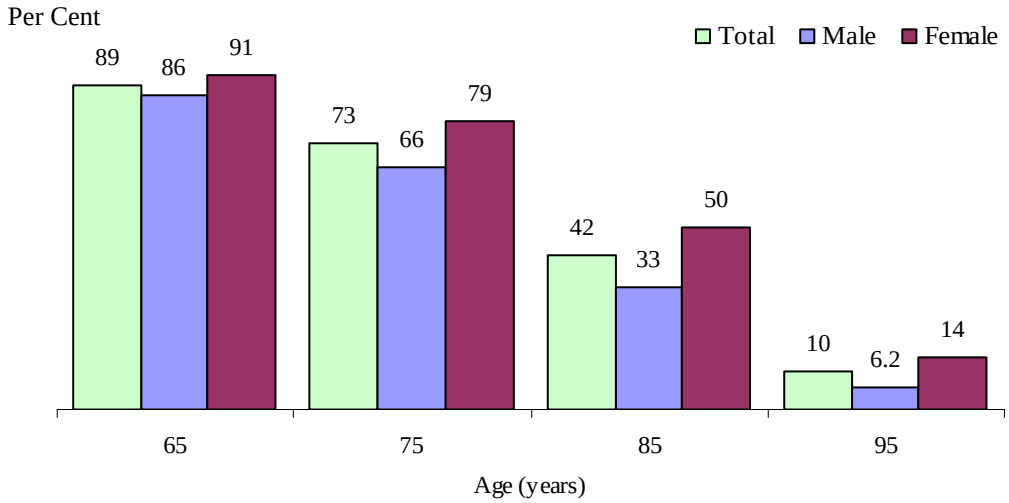
31. Based on the age-specific mortality rates of the reference period, the proportion of persons at age x expected to be living at age x+t is computed as the number of persons expected to be living at age x+t divided by the number of

[11] For statistical purpose, the elderly population in Singapore is defined as those aged 65 years and over.

persons expected to be living at age x, that is $\frac{l_{x+t}}{l_x}$. For a given age x, the proportion expected to be living at age x+t declines with increasing t.

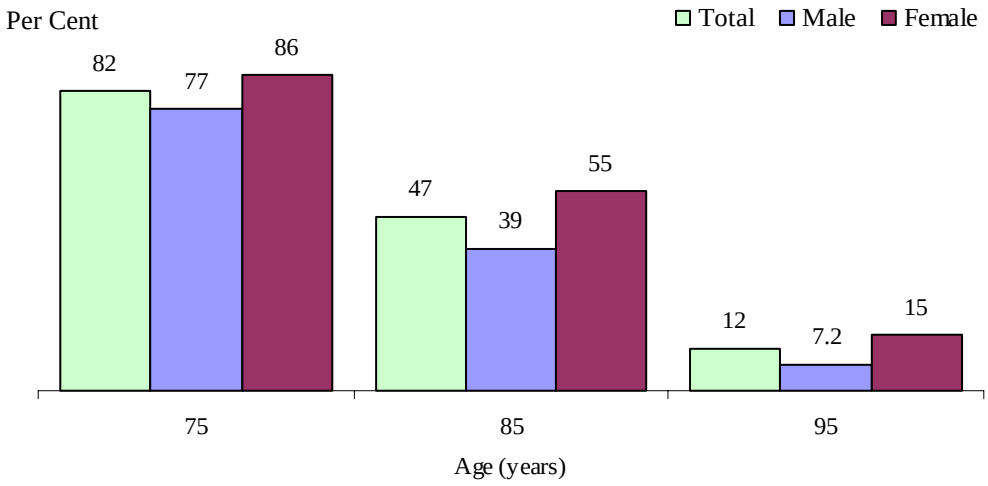
32. In 2006, 89 per cent of new-born babies could expect to be living at age 65 years (Chart 1). The proportion of new-born babies alive at older ages decreases with increasing age, with a faster decline for males than for females. About 33 per cent of newborn boys could expect to be living at age 85 years compared with 50 per cent of newborn girls.

Chart 1 Proportion of New Born Babies Expected to be Alive at Selected Ages, 2006



33. Among persons who were alive at age 65 years in 2006, 39 per cent of males and 55 per cent of females could expect to be living at age 85 years (Chart 2).

Chart 2 Proportion of Residents Aged 65 years Expected to be Alive at Selected Ages, 2006



V International Comparison

Life Expectancy

34. Singapore's life expectancy compares favourably with those in selected developed countries/areas. While Singapore's life expectancies are lower than Sweden's, Australia's, Hong Kong's and Japan's, they are generally higher than the life expectancies in South Korea and United Kingdom (Charts 3 and 4).

Chart 3 Life Expectancy at Birth

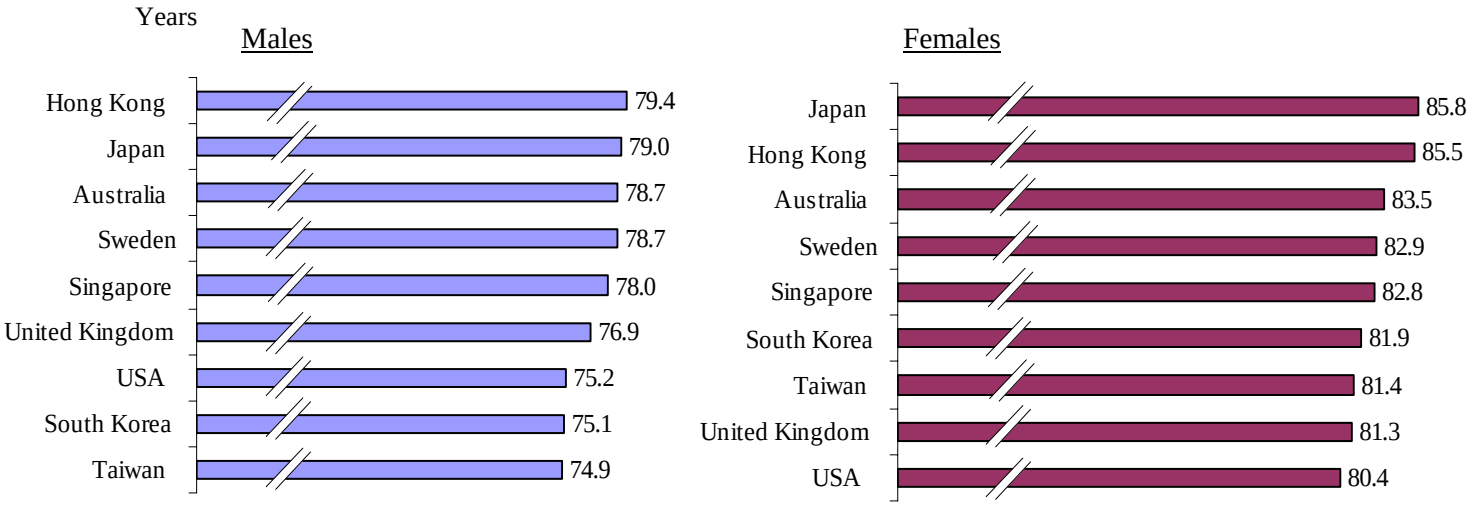
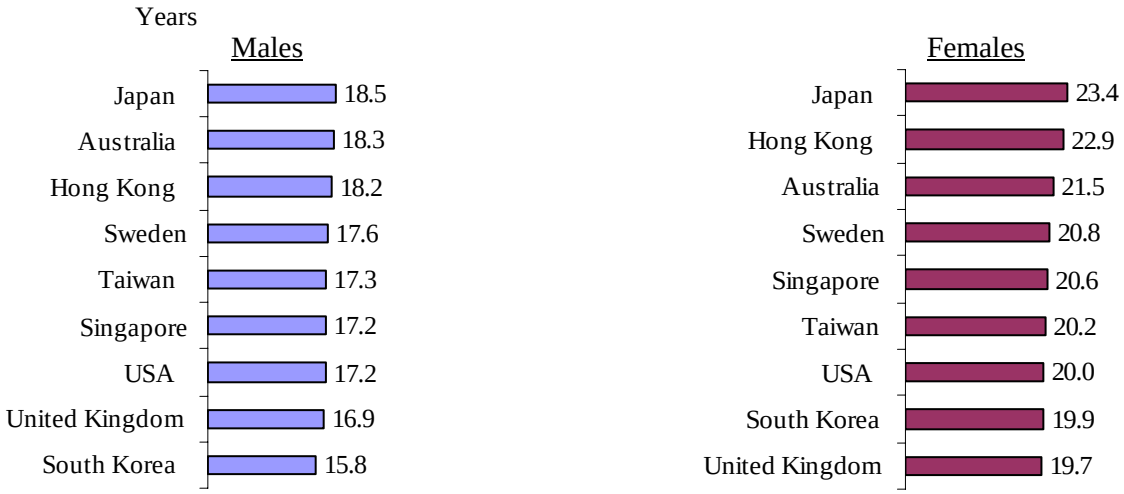


Chart 4 Life Expectancy at Age 65 years



Note: (1) Data are reported by countries and refer to the latest data available for the country (Annex 2).
(2) Figure for Singapore refer to 2006 and is preliminary.

Proportion Expected to be Alive at Selected Ages

35. The proportion of Singapore residents expected to be living at age 85 years is also comparable with selected developed countries/areas (Charts 5 and 6).

Chart 5 Proportion of New Born Babies Expected to be Alive at Age 85

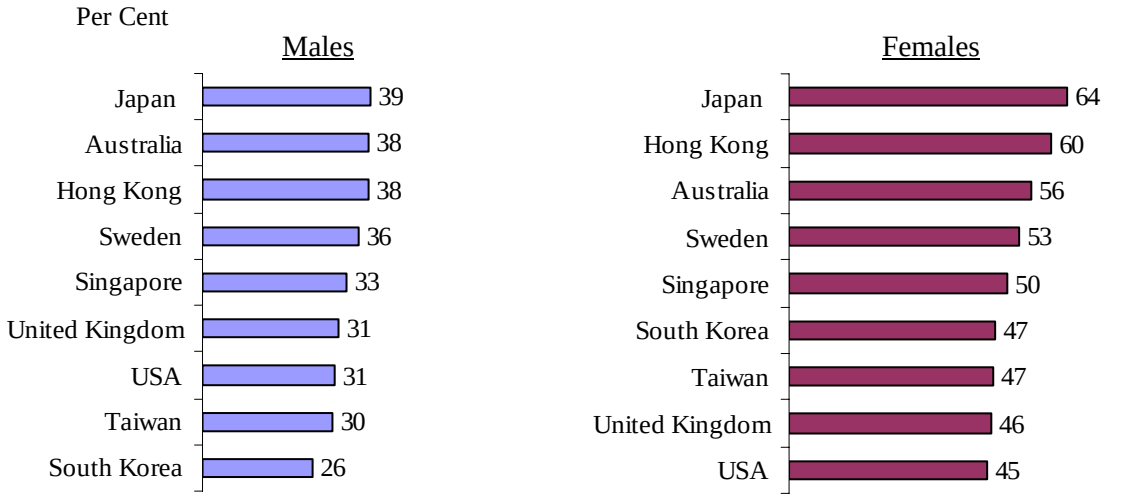
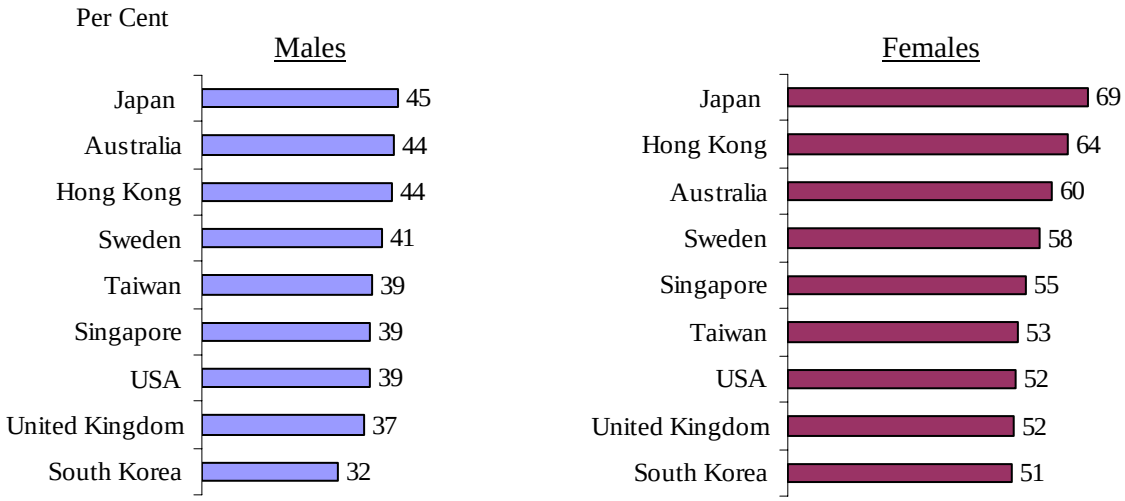


Chart 6 Proportion of Persons Aged 65 years Expected to be Alive at Age 85



Note: (1) Data are reported by countries and refer to the latest data available for the country (Annex 2).
(2) Figure for Singapore refer to 2006 and is preliminary.

SINGAPORE DEPARTMENT OF STATISTICS
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Annex 1

Estimating Mortality Rates at High Ages (Coale-Kisker method)

The Coale-Kisker method assumes a decline in the rate of increase in mortality in high ages, that is, $m_x = m_{x-1} \times \exp(k_x)$.

For age x >= 85 years, define $k_x = k_{x-1} - R$

$$\text{where } k_x = \ln \frac{m_x}{m_{x-1}}$$

Extending the formula up to age 110 yields

$$\begin{aligned} k_{85} &= k_{84} - R \\ k_{86} &= k_{84} - 2R \\ &\cdots \\ k_{110} &= k_{84} - 26R \end{aligned}$$

Summing the above 26 formulae, we have

$$k_{85} + ... + k_{110} = 26k_{84} - R(1 + ... + 26)$$

The left hand side of the equation simplifies to $\ln(m_{110}) - \ln(m_{84})$. Solving for R, we obtain:

$$R = \frac{26k_{84} + \ln(m_{84}) - \ln(m_{110})}{351} \quad \ldots\ldots\ldots (1)$$

To minimize the effects of random fluctuations, k_{84} is replaced by k^*_{84}, which is

$$k^*_{84} = \frac{k_{82} + k_{83} + k_{84} + k_{85} + k_{86}}{5}$$

$$= \frac{k_{82} + k_{83} + 3k_{84} - 3R}{5}$$

Similarly, $\ln(m_{84})$ is replaced by $\ln(m^*_{84})$, which is defined as

$$\ln(m^*_{84}) = k^*_{84} + \ln(m^*_{83})$$

$$\text{where } \ln(m^*_{83}) = \ln(\frac{m_{82} + m_{83} + m_{84}}{3})$$

Substituting k^*_{84} and $\ln(m^*_{84})$ into equation (1), we obtain

$$R = \frac{\frac{27}{5}[k_{82} + k_{83} + 3k_{84}] + \ln(\frac{m_{82} + m_{83} + m_{84}}{3}) - \ln(m_{110})}{351 + \frac{27 \times 3}{5}}$$

Annex 2

Data Sources

(1) Australia
Reference year: 2004-2006.
Source: Australia Bureau of Statistics. "Deaths, Australia, 2006". Retrieved January 7, 2008, from
http://www.ausstats.abs.gov.au/Ausstats/subscriber.nsf/0/D80EDF33BD075923CA25738D000F4CA9/$File/33020_2006.pdf

(2) Hong Kong
Reference year: 2006
Source: Census and Statistics Department, Hong Kong. "Hong Kong Life Tables, 1971-2006". Retrieved January 7, 2008, from
http://www.statistics.gov.hk/stat_table/population/D5320184BXXXXXXXXB.xls

(3) Japan
Reference year: 2006
Source: Statistics and Information Department, Ministry of Health, Labour and Welfare, Japan. "Abridged Life Tables for Japan 2006". Retrieved January 7, 2008, from
http://www.mhlw.go.jp/english/database/db-hw/lifetb06/dl/contents.pdf

(4) South Korea
Reference year: 2005
Source: Korea National Statistical Office. "Korea Statistical Yearbook 2006".

(5) Sweden
Reference year: 2006
Source: Statistics Sweden. "Life Tables 2006"
Retrieved January 28, 2008 from
http://www.scb.se/statistik/BE/BE0101/2006A01a/Be0101Livslängdstabeller_06_eng.xls

(6) Taiwan

Reference year: 2006

Source: Department of Statistics, Ministry of the Interior, Taiwan. “Abridged Life Tables in Taiwan-Fuchien Area 2006”. Retrieved January 7, 2008, from http://sowf.moi.gov.tw/stat/english/elife/te95200.htm

(7) United Kingdom

Reference year: 2004-2006

Source: Office for National Statistics, United Kingdom. “Interim Life Tables 2004-06”. Retrieved January 29, 2008, from http://www.statistics.gov.uk/downloads/theme_population/Interim_Life/ILTUK0406Reg.xls

(8) USA

Reference year:

a) Life expectancy data refer to 2005 and are preliminary.

b) Data on proportion expected to be living at age 85 years refer to 2004. United States Life Tables for 2005 are not yet available to compute the statistics.

Source:

Kung HC, Hoyert DL, Xu J, Murphy SL. Deaths: Preliminary Data for 2005. Health E-Stats. Sep 2007. Retrieved January 7, 2008, from http://www.cdc.gov/nchs/products/pubs/pubd/hestats/prelimdeaths05/prelimdeaths05.htm

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Table 1 Complete Life Table for Singapore Resident Population, 2003

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00246	100,000	246	99,799	7,914,439	79.1
1	0.00019	99,754	19	99,745	7,814,640	78.3
2	0.00018	99,736	18	99,726	7,714,895	77.4
3	0.00017	99,717	17	99,709	7,615,169	76.4
4	0.00015	99,700	15	99,693	7,515,460	75.4
5	0.00013	99,685	13	99,679	7,415,767	74.4
6	0.00011	99,672	11	99,667	7,316,088	73.4
7	0.00010	99,661	10	99,656	7,216,422	72.4
8	0.00010	99,651	10	99,646	7,116,766	71.4
9	0.00010	99,641	10	99,636	7,017,120	70.4
10	0.00011	99,630	11	99,625	6,917,484	69.4
11	0.00012	99,619	12	99,614	6,817,860	68.4
12	0.00013	99,608	13	99,601	6,718,246	67.4
13	0.00016	99,595	16	99,587	6,618,645	66.5
14	0.00020	99,579	20	99,569	6,519,058	65.5
15	0.00024	99,559	24	99,547	6,419,489	64.5
16	0.00028	99,535	28	99,522	6,319,942	63.5
17	0.00031	99,508	31	99,492	6,220,420	62.5
18	0.00035	99,477	35	99,459	6,120,928	61.5
19	0.00039	99,441	39	99,422	6,021,469	60.6
20	0.00043	99,403	43	99,381	5,922,047	59.6
21	0.00047	99,360	47	99,336	5,822,666	58.6
22	0.00049	99,313	49	99,289	5,723,329	57.6
23	0.00048	99,265	48	99,241	5,624,040	56.7
24	0.00046	99,216	46	99,193	5,524,800	55.7
25	0.00044	99,170	43	99,149	5,425,606	54.7
26	0.00042	99,127	41	99,106	5,326,458	53.7
27	0.00041	99,086	41	99,066	5,227,351	52.8
28	0.00042	99,045	42	99,024	5,128,286	51.8
29	0.00045	99,004	44	98,982	5,029,261	50.8
30	0.00047	98,959	47	98,936	4,930,280	49.8
31	0.00050	98,913	50	98,888	4,831,344	48.8
32	0.00053	98,863	53	98,837	4,732,456	47.9
33	0.00058	98,810	57	98,782	4,633,619	46.9
34	0.00062	98,753	62	98,723	4,534,837	45.9
35	0.00067	98,692	66	98,659	4,436,115	44.9
36	0.00072	98,625	71	98,590	4,337,456	44.0
37	0.00079	98,554	78	98,515	4,238,866	43.0
38	0.00087	98,476	85	98,434	4,140,351	42.0
39	0.00096	98,391	94	98,344	4,041,918	41.1

Table 1 Complete Life Table for Singapore Resident Population, 2003 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00105	98,296	103	98,245	3,943,574	40.1
41	0.00115	98,193	113	98,137	3,845,329	39.2
42	0.00126	98,081	124	98,019	3,747,192	38.2
43	0.00141	97,957	138	97,888	3,649,174	37.3
44	0.00156	97,819	153	97,742	3,551,286	36.3
45	0.00173	97,666	169	97,582	3,453,544	35.4
46	0.00190	97,497	185	97,405	3,355,962	34.4
47	0.00210	97,312	204	97,210	3,258,557	33.5
48	0.00234	97,108	228	96,995	3,161,347	32.6
49	0.00261	96,881	253	96,754	3,064,352	31.6
50	0.00289	96,628	279	96,488	2,967,598	30.7
51	0.00318	96,348	307	96,195	2,871,110	29.8
52	0.00353	96,042	339	95,872	2,774,915	28.9
53	0.00396	95,703	379	95,513	2,679,042	28.0
54	0.00444	95,324	424	95,112	2,583,529	27.1
55	0.00494	94,900	469	94,666	2,488,417	26.2
56	0.00545	94,432	515	94,174	2,393,752	25.3
57	0.00605	93,916	568	93,633	2,299,577	24.5
58	0.00675	93,349	630	93,033	2,205,945	23.6
59	0.00752	92,718	697	92,370	2,112,911	22.8
60	0.00830	92,021	764	91,639	2,020,542	22.0
61	0.00913	91,258	833	90,841	1,928,902	21.1
62	0.01013	90,425	916	89,967	1,838,061	20.3
63	0.01140	89,509	1,021	88,999	1,748,094	19.5
64	0.01285	88,488	1,137	87,920	1,659,095	18.7
65	0.01433	87,351	1,252	86,725	1,571,176	18.0
66	0.01586	86,099	1,366	85,416	1,484,450	17.2
67	0.01752	84,734	1,484	83,991	1,399,034	16.5
68	0.01937	83,249	1,612	82,443	1,315,043	15.8
69	0.02130	81,637	1,739	80,767	1,232,600	15.1
70	0.02323	79,898	1,856	78,970	1,151,832	14.4
71	0.02532	78,042	1,976	77,054	1,072,862	13.7
72	0.02797	76,066	2,128	75,003	995,808	13.1
73	0.03149	73,939	2,328	72,775	920,805	12.5
74	0.03555	71,610	2,546	70,338	848,030	11.8
75	0.03976	69,065	2,746	67,692	777,693	11.3
76	0.04397	66,319	2,916	64,861	710,001	10.7
77	0.04829	63,403	3,062	61,872	645,141	10.2
78	0.05283	60,341	3,188	58,747	583,269	9.7
79	0.05748	57,153	3,285	55,510	524,522	9.2

Table 1 Complete Life Table for Singapore Resident Population, 2003 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.06210	53,868	3,345	52,195	469,012	8.7
81	0.06681	50,523	3,376	48,835	416,816	8.3
82	0.07202	47,147	3,395	45,449	367,981	7.8
83	0.07814	43,752	3,419	42,042	322,532	7.4
84	0.08522	40,333	3,437	38,614	280,490	7.0
85	0.09259	36,895	3,416	35,187	241,876	6.6
86	0.10056	33,479	3,367	31,796	206,689	6.2
87	0.10918	30,113	3,288	28,469	174,893	5.8
88	0.11848	26,825	3,178	25,236	146,424	5.5
89	0.12853	23,647	3,039	22,127	121,188	5.1
90	0.13937	20,607	2,872	19,171	99,061	4.8
91	0.15105	17,735	2,679	16,396	79,890	4.5
92	0.16362	15,056	2,463	13,825	63,494	4.2
93	0.17713	12,593	2,231	11,478	49,669	3.9
94	0.19165	10,362	1,986	9,369	38,191	3.7
95	0.20722	8,376	1,736	7,509	28,822	3.4
96	0.22389	6,641	1,487	5,897	21,314	3.2
97	0.24173	5,154	1,246	4,531	15,416	3.0
98	0.26078	3,908	1,019	3,398	10,885	2.8
99	0.28110	2,889	812	2,483	7,487	2.6
100+	1.00000	2,077	2,077	5,004	5,004	2.4

Table 2 Complete Life Table for Singapore Resident Males, 2003

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00282	100,000	282	99,769	7,663,601	76.6
1	0.00021	99,718	21	99,708	7,563,833	75.9
2	0.00020	99,697	20	99,687	7,464,125	74.9
3	0.00019	99,677	19	99,668	7,364,438	73.9
4	0.00017	99,659	17	99,650	7,264,770	72.9
5	0.00015	99,642	15	99,634	7,165,120	71.9
6	0.00013	99,627	13	99,620	7,065,486	70.9
7	0.00012	99,613	12	99,607	6,965,866	69.9
8	0.00012	99,601	12	99,595	6,866,259	68.9
9	0.00012	99,589	12	99,583	6,766,664	67.9
10	0.00013	99,577	12	99,571	6,667,081	67.0
11	0.00013	99,564	13	99,558	6,567,510	66.0
12	0.00015	99,551	15	99,544	6,467,952	65.0
13	0.00018	99,537	18	99,528	6,368,408	64.0
14	0.00023	99,519	23	99,507	6,268,881	63.0
15	0.00028	99,496	27	99,482	6,169,373	62.0
16	0.00032	99,469	32	99,452	6,069,891	61.0
17	0.00037	99,436	37	99,418	5,970,439	60.0
18	0.00043	99,399	43	99,378	5,871,021	59.1
19	0.00050	99,356	50	99,331	5,771,643	58.1
20	0.00057	99,307	56	99,278	5,672,312	57.1
21	0.00063	99,250	63	99,219	5,573,033	56.2
22	0.00067	99,188	66	99,155	5,473,814	55.2
23	0.00066	99,122	66	99,089	5,374,660	54.2
24	0.00063	99,056	63	99,024	5,275,571	53.3
25	0.00060	98,993	59	98,963	5,176,547	52.3
26	0.00057	98,934	56	98,906	5,077,583	51.3
27	0.00056	98,878	55	98,850	4,978,678	50.4
28	0.00057	98,823	56	98,795	4,879,827	49.4
29	0.00060	98,766	59	98,737	4,781,033	48.4
30	0.00064	98,707	63	98,676	4,682,296	47.4
31	0.00067	98,644	66	98,611	4,583,620	46.5
32	0.00071	98,578	70	98,543	4,485,009	45.5
33	0.00076	98,508	75	98,470	4,386,467	44.5
34	0.00081	98,433	80	98,393	4,287,996	43.6
35	0.00086	98,353	84	98,311	4,189,603	42.6
36	0.00091	98,269	90	98,224	4,091,292	41.6
37	0.00099	98,179	97	98,130	3,993,068	40.7
38	0.00110	98,082	108	98,028	3,894,938	39.7
39	0.00122	97,974	120	97,914	3,796,910	38.8

Table 2 Complete Life Table for Singapore Resident Males, 2003 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00135	97,855	132	97,789	3,698,996	37.8
41	0.00148	97,723	145	97,650	3,601,207	36.9
42	0.00163	97,578	159	97,498	3,503,557	35.9
43	0.00181	97,419	176	97,330	3,406,059	35.0
44	0.00200	97,242	195	97,145	3,308,729	34.0
45	0.00220	97,048	213	96,941	3,211,584	33.1
46	0.00240	96,834	233	96,718	3,114,643	32.2
47	0.00265	96,602	256	96,474	3,017,925	31.2
48	0.00294	96,346	283	96,205	2,921,451	30.3
49	0.00325	96,063	312	95,907	2,825,246	29.4
50	0.00357	95,751	342	95,580	2,729,339	28.5
51	0.00392	95,409	374	95,222	2,633,759	27.6
52	0.00436	95,035	414	94,828	2,538,537	26.7
53	0.00494	94,621	467	94,388	2,443,709	25.8
54	0.00561	94,154	528	93,890	2,349,321	25.0
55	0.00630	93,626	590	93,331	2,255,431	24.1
56	0.00702	93,036	653	92,709	2,162,100	23.2
57	0.00782	92,382	723	92,021	2,069,391	22.4
58	0.00875	91,660	802	91,259	1,977,370	21.6
59	0.00976	90,857	886	90,414	1,886,112	20.8
60	0.01077	89,971	969	89,487	1,795,697	20.0
61	0.01185	89,002	1,054	88,475	1,706,211	19.2
62	0.01315	87,948	1,156	87,370	1,617,736	18.4
63	0.01480	86,791	1,284	86,149	1,530,366	17.6
64	0.01666	85,507	1,424	84,795	1,444,217	16.9
65	0.01858	84,083	1,562	83,302	1,359,422	16.2
66	0.02054	82,521	1,695	81,673	1,276,120	15.5
67	0.02267	80,825	1,833	79,909	1,194,447	14.8
68	0.02504	78,993	1,978	78,004	1,114,538	14.1
69	0.02750	77,015	2,118	75,956	1,036,534	13.5
70	0.02996	74,897	2,244	73,775	960,578	12.8
71	0.03262	72,653	2,370	71,468	886,803	12.2
72	0.03599	70,283	2,530	69,018	815,334	11.6
73	0.04048	67,753	2,742	66,382	746,316	11.0
74	0.04568	65,011	2,969	63,526	679,934	10.5
75	0.05107	62,041	3,168	60,457	616,408	9.9
76	0.05639	58,873	3,320	57,213	555,951	9.4
77	0.06161	55,553	3,422	53,842	498,738	9.0
78	0.06671	52,131	3,478	50,392	444,896	8.5
79	0.07166	48,653	3,486	46,910	394,504	8.1

Table 2 Complete Life Table for Singapore Resident Males, 2003 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.07642	45,167	3,452	43,441	347,594	7.7
81	0.08122	41,715	3,388	40,021	304,153	7.3
82	0.08670	38,327	3,323	36,665	264,132	6.9
83	0.09356	35,004	3,275	33,367	227,467	6.5
84	0.10227	31,729	3,245	30,107	194,100	6.1
85	0.11091	28,484	3,159	26,905	163,994	5.8
86	0.12024	25,325	3,045	23,803	137,089	5.4
87	0.13030	22,280	2,903	20,828	113,286	5.1
88	0.14114	19,377	2,735	18,010	92,458	4.8
89	0.15281	16,642	2,543	15,371	74,448	4.5
90	0.16535	14,099	2,331	12,933	59,078	4.2
91	0.17883	11,768	2,104	10,716	46,144	3.9
92	0.19328	9,663	1,868	8,730	35,429	3.7
93	0.20877	7,796	1,628	6,982	26,699	3.4
94	0.22535	6,168	1,390	5,473	19,717	3.2
95	0.24307	4,778	1,161	4,197	14,244	3.0
96	0.26197	3,617	947	3,143	10,047	2.8
97	0.28211	2,669	753	2,293	6,904	2.6
98	0.30352	1,916	582	1,625	4,611	2.4
99	0.32625	1,335	435	1,117	2,986	2.2
100+	1.00000	899	899	1,869	1,869	2.1

Table 3 Complete Life Table for Singapore Resident Females, 2003

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00207	100,000	207	99,830	8,155,364	81.6
1	0.00017	99,793	17	99,784	8,055,534	80.7
2	0.00016	99,776	16	99,768	7,955,750	79.7
3	0.00015	99,759	15	99,752	7,855,982	78.7
4	0.00013	99,744	13	99,738	7,756,230	77.8
5	0.00011	99,731	11	99,726	7,656,492	76.8
6	0.00009	99,720	9	99,716	7,556,766	75.8
7	0.00008	99,711	8	99,707	7,457,051	74.8
8	0.00008	99,703	8	99,699	7,357,343	73.8
9	0.00009	99,695	9	99,691	7,257,644	72.8
10	0.00009	99,687	9	99,682	7,157,953	71.8
11	0.00010	99,677	10	99,672	7,058,271	70.8
12	0.00011	99,667	11	99,662	6,958,599	69.8
13	0.00014	99,656	14	99,649	6,858,937	68.8
14	0.00017	99,642	17	99,634	6,759,288	67.8
15	0.00020	99,626	20	99,616	6,659,654	66.8
16	0.00023	99,606	23	99,595	6,560,038	65.9
17	0.00025	99,583	25	99,571	6,460,443	64.9
18	0.00027	99,558	27	99,545	6,360,872	63.9
19	0.00028	99,532	28	99,517	6,261,327	62.9
20	0.00030	99,503	29	99,489	6,161,810	61.9
21	0.00031	99,474	30	99,459	6,062,321	60.9
22	0.00031	99,444	31	99,428	5,962,862	60.0
23	0.00031	99,413	31	99,397	5,863,434	59.0
24	0.00030	99,382	30	99,367	5,764,037	58.0
25	0.00029	99,352	28	99,338	5,664,670	57.0
26	0.00028	99,324	27	99,310	5,565,332	56.0
27	0.00027	99,297	27	99,283	5,466,022	55.0
28	0.00028	99,269	28	99,255	5,366,739	54.1
29	0.00030	99,241	30	99,226	5,267,483	53.1
30	0.00032	99,211	32	99,195	5,168,257	52.1
31	0.00034	99,179	34	99,162	5,069,062	51.1
32	0.00037	99,145	37	99,127	4,969,900	50.1
33	0.00040	99,109	40	99,089	4,870,773	49.1
34	0.00045	99,069	44	99,047	4,771,684	48.2
35	0.00049	99,024	49	99,000	4,672,637	47.2
36	0.00054	98,976	53	98,949	4,573,637	46.2
37	0.00059	98,922	58	98,893	4,474,688	45.2
38	0.00064	98,864	63	98,833	4,375,795	44.3
39	0.00069	98,801	68	98,767	4,276,962	43.3

Table 3 Complete Life Table for Singapore Resident Females, 2003 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00075	98,733	74	98,696	4,178,195	42.3
41	0.00081	98,659	80	98,619	4,079,499	41.3
42	0.00089	98,579	87	98,536	3,980,880	40.4
43	0.00099	98,492	98	98,443	3,882,345	39.4
44	0.00112	98,394	110	98,339	3,783,902	38.5
45	0.00124	98,284	122	98,223	3,685,562	37.5
46	0.00138	98,162	135	98,094	3,587,339	36.5
47	0.00154	98,026	151	97,951	3,489,245	35.6
48	0.00174	97,876	170	97,791	3,391,294	34.6
49	0.00196	97,705	192	97,610	3,293,504	33.7
50	0.00220	97,514	214	97,406	3,195,894	32.8
51	0.00244	97,299	237	97,181	3,098,488	31.8
52	0.00269	97,062	261	96,931	3,001,307	30.9
53	0.00298	96,801	288	96,656	2,904,376	30.0
54	0.00328	96,512	316	96,354	2,807,719	29.1
55	0.00358	96,196	344	96,024	2,711,365	28.2
56	0.00390	95,852	374	95,665	2,615,341	27.3
57	0.00430	95,478	410	95,273	2,519,676	26.4
58	0.00480	95,068	456	94,840	2,424,403	25.5
59	0.00536	94,612	508	94,358	2,329,563	24.6
60	0.00594	94,104	559	93,825	2,235,206	23.8
61	0.00656	93,545	613	93,238	2,141,381	22.9
62	0.00730	92,932	678	92,593	2,048,143	22.0
63	0.00824	92,254	760	91,873	1,955,550	21.2
64	0.00931	91,493	852	91,067	1,863,677	20.4
65	0.01041	90,641	944	90,169	1,772,609	19.6
66	0.01155	89,698	1,036	89,179	1,682,440	18.8
67	0.01282	88,661	1,137	88,093	1,593,260	18.0
68	0.01427	87,525	1,249	86,900	1,505,167	17.2
69	0.01580	86,276	1,363	85,594	1,418,267	16.4
70	0.01734	84,912	1,473	84,176	1,332,674	15.7
71	0.01903	83,439	1,588	82,646	1,248,498	15.0
72	0.02120	81,852	1,736	80,984	1,165,852	14.2
73	0.02413	80,116	1,934	79,150	1,084,868	13.5
74	0.02752	78,183	2,152	77,107	1,005,718	12.9
75	0.03102	76,031	2,359	74,852	928,611	12.2
76	0.03460	73,672	2,549	72,398	853,760	11.6
77	0.03848	71,124	2,737	69,755	781,362	11.0
78	0.04287	68,387	2,932	66,921	711,607	10.4
79	0.04756	65,455	3,113	63,898	644,686	9.8

Table 3 Complete Life Table for Singapore Resident Females, 2003 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.05230	62,342	3,260	60,711	580,787	9.3
81	0.05712	59,081	3,375	57,394	520,076	8.8
82	0.06239	55,707	3,475	53,969	462,682	8.3
83	0.06851	52,231	3,579	50,442	408,713	7.8
84	0.07548	48,653	3,672	46,817	358,271	7.4
85	0.08283	44,981	3,726	43,118	311,455	6.9
86	0.09082	41,255	3,747	39,381	268,337	6.5
87	0.09948	37,508	3,731	35,643	228,955	6.1
88	0.10885	33,777	3,677	31,939	193,313	5.7
89	0.11899	30,100	3,582	28,309	161,374	5.4
90	0.12993	26,519	3,446	24,796	133,065	5.0
91	0.14172	23,073	3,270	21,438	108,269	4.7
92	0.15441	19,803	3,058	18,274	86,831	4.4
93	0.16804	16,745	2,814	15,338	68,557	4.1
94	0.18265	13,932	2,545	12,659	53,218	3.8
95	0.19828	11,387	2,258	10,258	40,559	3.6
96	0.21498	9,129	1,963	8,148	30,301	3.3
97	0.23278	7,167	1,668	6,332	22,153	3.1
98	0.25171	5,498	1,384	4,806	15,821	2.9
99	0.27180	4,114	1,118	3,555	11,014	2.7
100+	1.00000	2,996	2,996	7,459	7,459	2.5

Table 4 Complete Life Table for Singapore Resident Population, 2004

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00227	100,000	227	99,814	7,963,198	79.6
1	0.00019	99,773	19	99,763	7,863,384	78.8
2	0.00018	99,754	18	99,745	7,763,620	77.8
3	0.00017	99,736	17	99,727	7,663,876	76.8
4	0.00015	99,719	15	99,711	7,564,148	75.9
5	0.00014	99,703	14	99,696	7,464,438	74.9
6	0.00012	99,689	12	99,683	7,364,741	73.9
7	0.00011	99,677	11	99,672	7,265,058	72.9
8	0.00011	99,667	11	99,661	7,165,386	71.9
9	0.00011	99,656	11	99,651	7,065,725	70.9
10	0.00011	99,645	11	99,640	6,966,074	69.9
11	0.00011	99,634	11	99,628	6,866,434	68.9
12	0.00013	99,623	13	99,616	6,766,806	67.9
13	0.00015	99,610	15	99,603	6,667,190	66.9
14	0.00018	99,595	18	99,586	6,567,587	65.9
15	0.00022	99,577	21	99,566	6,468,001	65.0
16	0.00025	99,556	25	99,543	6,368,434	64.0
17	0.00028	99,531	28	99,517	6,268,891	63.0
18	0.00032	99,503	32	99,486	6,169,375	62.0
19	0.00037	99,470	37	99,452	6,069,888	61.0
20	0.00041	99,434	41	99,413	5,970,436	60.0
21	0.00045	99,393	45	99,370	5,871,023	59.1
22	0.00048	99,347	47	99,324	5,771,653	58.1
23	0.00047	99,300	47	99,277	5,672,329	57.1
24	0.00045	99,253	44	99,231	5,573,052	56.1
25	0.00042	99,209	41	99,188	5,473,822	55.2
26	0.00039	99,167	39	99,148	5,374,634	54.2
27	0.00038	99,128	38	99,110	5,275,486	53.2
28	0.00039	99,091	39	99,071	5,176,376	52.2
29	0.00042	99,052	42	99,031	5,077,305	51.3
30	0.00045	99,010	45	98,988	4,978,274	50.3
31	0.00048	98,965	48	98,941	4,879,287	49.3
32	0.00051	98,918	51	98,892	4,780,345	48.3
33	0.00055	98,867	55	98,839	4,681,453	47.4
34	0.00060	98,812	59	98,783	4,582,614	46.4
35	0.00064	98,753	63	98,721	4,483,831	45.4
36	0.00069	98,690	68	98,656	4,385,110	44.4
37	0.00075	98,622	74	98,585	4,286,454	43.5
38	0.00083	98,548	82	98,507	4,187,869	42.5
39	0.00092	98,466	91	98,421	4,089,362	41.5

Table 4 Complete Life Table for Singapore Resident Population, 2004 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00102	98,375	100	98,325	3,990,941	40.6
41	0.00112	98,275	110	98,220	3,892,616	39.6
42	0.00123	98,165	121	98,105	3,794,396	38.7
43	0.00137	98,044	135	97,977	3,696,291	37.7
44	0.00152	97,909	149	97,835	3,598,315	36.8
45	0.00167	97,760	164	97,679	3,500,480	35.8
46	0.00184	97,597	179	97,507	3,402,801	34.9
47	0.00203	97,418	198	97,319	3,305,294	33.9
48	0.00228	97,220	221	97,109	3,207,975	33.0
49	0.00255	96,999	247	96,875	3,110,866	32.1
50	0.00283	96,752	274	96,615	3,013,991	31.2
51	0.00312	96,478	301	96,327	2,917,376	30.2
52	0.00346	96,177	333	96,010	2,821,048	29.3
53	0.00388	95,844	372	95,658	2,725,038	28.4
54	0.00435	95,472	415	95,264	2,629,380	27.5
55	0.00482	95,057	459	94,828	2,534,116	26.7
56	0.00532	94,598	503	94,347	2,439,288	25.8
57	0.00588	94,095	553	93,818	2,344,942	24.9
58	0.00652	93,542	610	93,237	2,251,123	24.1
59	0.00720	92,932	670	92,598	2,157,886	23.2
60	0.00790	92,263	729	91,898	2,065,289	22.4
61	0.00864	91,534	791	91,139	1,973,390	21.6
62	0.00957	90,743	868	90,309	1,882,252	20.7
63	0.01076	89,875	967	89,391	1,791,943	19.9
64	0.01213	88,907	1,079	88,368	1,702,552	19.1
65	0.01354	87,829	1,189	87,234	1,614,183	18.4
66	0.01499	86,640	1,299	85,990	1,526,949	17.6
67	0.01657	85,341	1,414	84,634	1,440,959	16.9
68	0.01835	83,927	1,540	83,157	1,356,325	16.2
69	0.02023	82,387	1,667	81,553	1,273,169	15.5
70	0.02214	80,719	1,787	79,826	1,191,616	14.8
71	0.02416	78,933	1,907	77,979	1,111,790	14.1
72	0.02658	77,026	2,047	76,002	1,033,811	13.4
73	0.02961	74,979	2,220	73,868	957,808	12.8
74	0.03299	72,758	2,401	71,558	883,940	12.1
75	0.03645	70,358	2,565	69,075	812,382	11.5
76	0.04003	67,793	2,714	66,436	743,307	11.0
77	0.04406	65,079	2,867	63,646	676,870	10.4
78	0.04883	62,212	3,038	60,693	613,224	9.9
79	0.05404	59,174	3,198	57,576	552,531	9.3

Table 4 Complete Life Table for Singapore Resident Population, 2004 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.05935	55,977	3,322	54,316	494,956	8.8
81	0.06467	52,655	3,405	50,952	440,640	8.4
82	0.07027	49,249	3,461	47,519	389,688	7.9
83	0.07645	45,788	3,501	44,038	342,169	7.5
84	0.08321	42,288	3,519	40,528	298,131	7.1
85	0.09049	38,769	3,508	37,015	257,602	6.6
86	0.09838	35,261	3,469	33,526	220,588	6.3
87	0.10691	31,792	3,399	30,093	187,061	5.9
88	0.11613	28,393	3,297	26,744	156,969	5.5
89	0.12610	25,096	3,165	23,514	130,224	5.2
90	0.13686	21,931	3,002	20,430	106,711	4.9
91	0.14847	18,930	2,810	17,524	86,280	4.6
92	0.16098	16,119	2,595	14,822	68,756	4.3
93	0.17444	13,524	2,359	12,345	53,934	4.0
94	0.18891	11,165	2,109	10,111	41,589	3.7
95	0.20445	9,056	1,851	8,130	31,479	3.5
96	0.22111	7,204	1,593	6,408	23,348	3.2
97	0.23894	5,612	1,341	4,941	16,940	3.0
98	0.25801	4,271	1,102	3,720	11,999	2.8
99	0.27836	3,169	882	2,728	8,280	2.6
100+	1.00000	2,287	2,287	5,552	5,552	2.4

Table 5 Complete Life Table for Singapore Resident Males, 2004

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00255	100,000	255	99,791	7,711,192	77.1
1	0.00020	99,745	20	99,735	7,611,401	76.3
2	0.00020	99,725	20	99,715	7,511,667	75.3
3	0.00018	99,705	18	99,696	7,411,952	74.3
4	0.00017	99,686	17	99,678	7,312,256	73.4
5	0.00015	99,670	15	99,662	7,212,578	72.4
6	0.00013	99,655	13	99,648	7,112,916	71.4
7	0.00012	99,642	12	99,635	7,013,268	70.4
8	0.00012	99,629	12	99,623	6,913,632	69.4
9	0.00012	99,618	12	99,612	6,814,009	68.4
10	0.00012	99,606	12	99,600	6,714,397	67.4
11	0.00012	99,594	12	99,588	6,614,797	66.4
12	0.00013	99,582	13	99,576	6,515,209	65.4
13	0.00017	99,569	17	99,561	6,415,633	64.4
14	0.00021	99,552	21	99,541	6,316,072	63.4
15	0.00026	99,531	26	99,518	6,216,531	62.5
16	0.00031	99,505	31	99,489	6,117,013	61.5
17	0.00036	99,473	36	99,455	6,017,524	60.5
18	0.00042	99,437	42	99,416	5,918,069	59.5
19	0.00049	99,395	49	99,371	5,818,653	58.5
20	0.00056	99,347	55	99,319	5,719,282	57.6
21	0.00062	99,291	61	99,261	5,619,963	56.6
22	0.00066	99,230	65	99,197	5,520,702	55.6
23	0.00065	99,165	65	99,133	5,421,505	54.7
24	0.00062	99,100	61	99,070	5,322,372	53.7
25	0.00058	99,039	57	99,010	5,223,303	52.7
26	0.00055	98,982	54	98,955	5,124,292	51.8
27	0.00053	98,928	53	98,901	5,025,338	50.8
28	0.00055	98,875	54	98,848	4,926,437	49.8
29	0.00058	98,821	58	98,792	4,827,589	48.9
30	0.00062	98,763	61	98,732	4,728,797	47.9
31	0.00066	98,702	65	98,669	4,630,064	46.9
32	0.00070	98,637	69	98,602	4,531,395	45.9
33	0.00074	98,568	73	98,531	4,432,793	45.0
34	0.00079	98,495	77	98,456	4,334,261	44.0
35	0.00083	98,417	82	98,376	4,235,805	43.0
36	0.00088	98,335	87	98,292	4,137,429	42.1
37	0.00095	98,249	94	98,202	4,039,137	41.1
38	0.00105	98,155	103	98,103	3,940,935	40.2
39	0.00117	98,052	115	97,994	3,842,832	39.2

Table 5 Complete Life Table for Singapore Resident Males, 2004 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00130	97,937	127	97,873	3,744,838	38.2
41	0.00142	97,810	139	97,740	3,646,964	37.3
42	0.00157	97,670	153	97,594	3,549,224	36.3
43	0.00174	97,517	170	97,432	3,451,631	35.4
44	0.00192	97,347	187	97,254	3,354,198	34.5
45	0.00211	97,160	205	97,057	3,256,945	33.5
46	0.00231	96,955	224	96,843	3,159,887	32.6
47	0.00255	96,731	247	96,607	3,063,044	31.7
48	0.00285	96,484	275	96,346	2,966,437	30.7
49	0.00319	96,208	307	96,055	2,870,091	29.8
50	0.00353	95,902	338	95,733	2,774,036	28.9
51	0.00389	95,564	372	95,378	2,678,303	28.0
52	0.00433	95,192	412	94,986	2,582,925	27.1
53	0.00489	94,780	463	94,548	2,487,939	26.2
54	0.00552	94,316	521	94,056	2,393,391	25.4
55	0.00617	93,796	579	93,506	2,299,335	24.5
56	0.00685	93,217	638	92,897	2,205,829	23.7
57	0.00759	92,578	703	92,227	2,112,932	22.8
58	0.00843	91,876	774	91,489	2,020,705	22.0
59	0.00931	91,101	848	90,677	1,929,216	21.2
60	0.01020	90,253	921	89,793	1,838,539	20.4
61	0.01116	89,333	997	88,834	1,748,746	19.6
62	0.01238	88,335	1,094	87,788	1,659,912	18.8
63	0.01399	87,242	1,221	86,631	1,572,124	18.0
64	0.01585	86,021	1,363	85,339	1,485,492	17.3
65	0.01777	84,657	1,504	83,905	1,400,153	16.5
66	0.01973	83,153	1,640	82,333	1,316,248	15.8
67	0.02183	81,513	1,779	80,623	1,233,915	15.1
68	0.02415	79,734	1,926	78,771	1,153,292	14.5
69	0.02660	77,808	2,070	76,773	1,074,522	13.8
70	0.02906	75,738	2,201	74,638	997,749	13.2
71	0.03165	73,537	2,328	72,373	923,111	12.6
72	0.03470	71,209	2,471	69,974	850,738	11.9
73	0.03845	68,738	2,643	67,417	780,764	11.4
74	0.04260	66,095	2,816	64,688	713,347	10.8
75	0.04684	63,280	2,964	61,798	648,660	10.3
76	0.05118	60,316	3,087	58,772	586,862	9.7
77	0.05592	57,229	3,200	55,629	528,090	9.2
78	0.06128	54,029	3,311	52,373	472,461	8.7
79	0.06699	50,718	3,398	49,019	420,088	8.3

Table 5 Complete Life Table for Singapore Resident Males, 2004 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.07268	47,320	3,439	45,600	371,070	7.8
81	0.07833	43,881	3,437	42,162	325,469	7.4
82	0.08437	40,444	3,412	38,738	283,307	7.0
83	0.09133	37,032	3,382	35,341	244,569	6.6
84	0.09960	33,650	3,352	31,974	209,229	6.2
85	0.10814	30,298	3,276	28,660	177,255	5.9
86	0.11736	27,022	3,171	25,436	148,595	5.5
87	0.12731	23,851	3,036	22,332	123,159	5.2
88	0.13805	20,814	2,873	19,377	100,826	4.8
89	0.14962	17,941	2,684	16,599	81,449	4.5
90	0.16208	15,256	2,473	14,020	64,851	4.3
91	0.17547	12,784	2,243	11,662	50,831	4.0
92	0.18986	10,540	2,001	9,540	39,168	3.7
93	0.20529	8,539	1,753	7,663	29,629	3.5
94	0.22183	6,786	1,505	6,034	21,966	3.2
95	0.23952	5,281	1,265	4,648	15,932	3.0
96	0.25841	4,016	1,038	3,497	11,284	2.8
97	0.27856	2,978	830	2,563	7,787	2.6
98	0.30001	2,149	645	1,826	5,223	2.4
99	0.32280	1,504	485	1,261	3,397	2.3
100+	1.00000	1,019	1,019	2,136	2,136	2.1

Table 6 Complete Life Table for Singapore Resident Females, 2004

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00197	100,000	197	99,838	8,204,197	82.0
1	0.00018	99,803	18	99,794	8,104,358	81.2
2	0.00017	99,785	17	99,777	8,004,564	80.2
3	0.00016	99,768	16	99,760	7,904,788	79.2
4	0.00014	99,753	14	99,746	7,805,027	78.2
5	0.00012	99,739	12	99,732	7,705,281	77.3
6	0.00011	99,726	11	99,721	7,605,549	76.3
7	0.00010	99,716	10	99,711	7,505,828	75.3
8	0.00009	99,706	9	99,701	7,406,117	74.3
9	0.00010	99,697	10	99,692	7,306,416	73.3
10	0.00010	99,687	10	99,682	7,206,724	72.3
11	0.00011	99,676	11	99,671	7,107,042	71.3
12	0.00012	99,666	12	99,660	7,007,371	70.3
13	0.00013	99,654	13	99,647	6,907,712	69.3
14	0.00015	99,641	15	99,634	6,808,064	68.3
15	0.00016	99,626	16	99,618	6,708,431	67.3
16	0.00018	99,610	18	99,601	6,608,813	66.3
17	0.00020	99,592	20	99,582	6,509,212	65.4
18	0.00022	99,572	22	99,561	6,409,630	64.4
19	0.00024	99,550	24	99,538	6,310,069	63.4
20	0.00027	99,526	27	99,513	6,210,531	62.4
21	0.00029	99,499	29	99,485	6,111,019	61.4
22	0.00030	99,471	30	99,456	6,011,534	60.4
23	0.00030	99,441	29	99,426	5,912,078	59.5
24	0.00028	99,411	28	99,398	5,812,652	58.5
25	0.00026	99,384	26	99,371	5,713,254	57.5
26	0.00025	99,358	25	99,345	5,613,884	56.5
27	0.00024	99,333	24	99,321	5,514,539	55.5
28	0.00025	99,309	25	99,296	5,415,218	54.5
29	0.00027	99,284	27	99,270	5,315,921	53.5
30	0.00029	99,257	29	99,242	5,216,651	52.6
31	0.00032	99,227	31	99,212	5,117,409	51.6
32	0.00034	99,196	34	99,179	5,018,198	50.6
33	0.00038	99,162	37	99,143	4,919,019	49.6
34	0.00042	99,125	41	99,104	4,819,875	48.6
35	0.00046	99,083	45	99,061	4,720,771	47.6
36	0.00050	99,038	50	99,013	4,621,711	46.7
37	0.00055	98,988	54	98,961	4,522,698	45.7
38	0.00061	98,934	60	98,904	4,423,737	44.7
39	0.00067	98,874	67	98,840	4,324,833	43.7

Table 6 Complete Life Table for Singapore Resident Females, 2004 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00074	98,807	73	98,771	4,225,992	42.8
41	0.00081	98,734	80	98,694	4,127,222	41.8
42	0.00089	98,654	88	98,610	4,028,528	40.8
43	0.00100	98,566	98	98,517	3,929,918	39.9
44	0.00111	98,468	109	98,413	3,831,401	38.9
45	0.00123	98,358	121	98,298	3,732,988	38.0
46	0.00135	98,238	133	98,171	3,634,690	37.0
47	0.00150	98,105	147	98,031	3,536,518	36.0
48	0.00169	97,958	165	97,875	3,438,487	35.1
49	0.00190	97,792	185	97,700	3,340,612	34.2
50	0.00211	97,607	206	97,504	3,242,912	33.2
51	0.00234	97,401	228	97,287	3,145,409	32.3
52	0.00258	97,173	251	97,048	3,048,121	31.4
53	0.00286	96,922	278	96,784	2,951,074	30.4
54	0.00317	96,645	306	96,492	2,854,290	29.5
55	0.00347	96,339	334	96,172	2,757,798	28.6
56	0.00380	96,004	364	95,822	2,661,627	27.7
57	0.00418	95,640	399	95,440	2,565,805	26.8
58	0.00464	95,240	442	95,019	2,470,365	25.9
59	0.00516	94,798	489	94,554	2,375,345	25.1
60	0.00568	94,309	536	94,041	2,280,792	24.2
61	0.00624	93,773	585	93,481	2,186,750	23.3
62	0.00691	93,188	643	92,866	2,093,270	22.5
63	0.00774	92,545	716	92,186	2,000,403	21.6
64	0.00867	91,828	796	91,430	1,908,217	20.8
65	0.00963	91,032	877	90,594	1,816,787	20.0
66	0.01063	90,155	959	89,676	1,726,193	19.1
67	0.01178	89,197	1,051	88,671	1,636,517	18.3
68	0.01314	88,146	1,159	87,567	1,547,846	17.6
69	0.01461	86,987	1,271	86,352	1,460,279	16.8
70	0.01610	85,716	1,380	85,026	1,373,928	16.0
71	0.01771	84,336	1,494	83,589	1,288,902	15.3
72	0.01973	82,842	1,635	82,025	1,205,313	14.5
73	0.02236	81,207	1,816	80,299	1,123,288	13.8
74	0.02534	79,392	2,011	78,386	1,042,988	13.1
75	0.02839	77,380	2,197	76,282	964,603	12.5
76	0.03158	75,184	2,374	73,996	888,321	11.8
77	0.03530	72,809	2,570	71,524	814,324	11.2
78	0.03986	70,239	2,800	68,840	742,800	10.6
79	0.04493	67,440	3,030	65,925	673,960	10.0

Table 6 Complete Life Table for Singapore Resident Females, 2004 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.05012	64,409	3,228	62,795	608,036	9.4
81	0.05534	61,181	3,386	59,488	545,240	8.9
82	0.06085	57,796	3,517	56,037	485,752	8.4
83	0.06699	54,279	3,636	52,461	429,715	7.9
84	0.07374	50,642	3,735	48,775	377,254	7.4
85	0.08104	46,908	3,801	45,007	328,479	7.0
86	0.08897	43,107	3,835	41,189	283,472	6.6
87	0.09757	39,271	3,832	37,355	242,283	6.2
88	0.10690	35,440	3,789	33,545	204,927	5.8
89	0.11700	31,651	3,703	29,799	171,382	5.4
90	0.12790	27,948	3,575	26,161	141,583	5.1
91	0.13967	24,373	3,404	22,671	115,422	4.7
92	0.15234	20,969	3,194	19,372	92,751	4.4
93	0.16595	17,775	2,950	16,300	73,379	4.1
94	0.18057	14,825	2,677	13,487	57,079	3.9
95	0.19621	12,148	2,384	10,956	43,593	3.6
96	0.21294	9,764	2,079	8,725	32,636	3.3
97	0.23077	7,685	1,774	6,798	23,912	3.1
98	0.24975	5,912	1,476	5,173	17,113	2.9
99	0.26991	4,435	1,197	3,837	11,940	2.7
100+	1.00000	3,238	3,238	8,103	8,103	2.5

Table 7 Complete Life Table for Singapore Resident Population, 2005

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00229	100,000	229	99,812	8,007,308	80.1
1	0.00016	99,771	16	99,763	7,907,496	79.3
2	0.00016	99,755	16	99,747	7,807,733	78.3
3	0.00015	99,739	15	99,732	7,707,986	77.3
4	0.00014	99,724	13	99,718	7,608,254	76.3
5	0.00012	99,711	12	99,705	7,508,537	75.3
6	0.00011	99,699	11	99,693	7,408,832	74.3
7	0.00010	99,688	10	99,683	7,309,138	73.3
8	0.00010	99,678	10	99,673	7,209,455	72.3
9	0.00011	99,667	11	99,662	7,109,783	71.3
10	0.00012	99,656	12	99,651	7,010,121	70.3
11	0.00012	99,645	12	99,639	6,910,470	69.4
12	0.00014	99,632	14	99,626	6,810,832	68.4
13	0.00015	99,619	15	99,611	6,711,206	67.4
14	0.00017	99,603	17	99,595	6,611,595	66.4
15	0.00019	99,586	19	99,576	6,512,000	65.4
16	0.00022	99,567	22	99,556	6,412,424	64.4
17	0.00024	99,545	24	99,533	6,312,868	63.4
18	0.00027	99,521	27	99,507	6,213,335	62.4
19	0.00031	99,494	31	99,478	6,113,828	61.4
20	0.00035	99,463	35	99,445	6,014,349	60.5
21	0.00039	99,427	39	99,408	5,914,905	59.5
22	0.00041	99,389	41	99,368	5,815,497	58.5
23	0.00041	99,348	41	99,327	5,716,129	57.5
24	0.00040	99,306	40	99,286	5,616,802	56.6
25	0.00039	99,266	38	99,247	5,517,515	55.6
26	0.00037	99,228	37	99,210	5,418,268	54.6
27	0.00037	99,191	37	99,173	5,319,059	53.6
28	0.00039	99,154	38	99,135	5,219,886	52.6
29	0.00041	99,116	41	99,095	5,120,751	51.7
30	0.00044	99,075	44	99,053	5,021,656	50.7
31	0.00047	99,031	47	99,007	4,922,603	49.7
32	0.00051	98,984	50	98,959	4,823,596	48.7
33	0.00054	98,934	54	98,907	4,724,637	47.8
34	0.00058	98,880	58	98,851	4,625,730	46.8
35	0.00062	98,822	61	98,792	4,526,879	45.8
36	0.00066	98,761	66	98,728	4,428,087	44.8
37	0.00073	98,695	72	98,660	4,329,359	43.9
38	0.00081	98,624	80	98,584	4,230,700	42.9
39	0.00092	98,544	90	98,499	4,132,116	41.9

Table 7 Complete Life Table for Singapore Resident Population, 2005 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00103	98,453	101	98,403	4,033,617	41.0
41	0.00114	98,352	112	98,297	3,935,215	40.0
42	0.00125	98,241	123	98,179	3,836,918	39.1
43	0.00138	98,118	135	98,050	3,738,739	38.1
44	0.00151	97,983	148	97,909	3,640,688	37.2
45	0.00164	97,835	160	97,755	3,542,780	36.2
46	0.00178	97,675	173	97,588	3,445,025	35.3
47	0.00196	97,502	191	97,406	3,347,436	34.3
48	0.00219	97,311	214	97,204	3,250,030	33.4
49	0.00247	97,097	240	96,977	3,152,826	32.5
50	0.00275	96,858	267	96,724	3,055,848	31.5
51	0.00305	96,591	294	96,444	2,959,124	30.6
52	0.00338	96,296	325	96,134	2,862,681	29.7
53	0.00376	95,971	361	95,790	2,766,547	28.8
54	0.00418	95,610	400	95,410	2,670,756	27.9
55	0.00461	95,210	439	94,991	2,575,347	27.0
56	0.00505	94,771	479	94,532	2,480,356	26.2
57	0.00559	94,292	527	94,029	2,385,824	25.3
58	0.00625	93,765	586	93,472	2,291,795	24.4
59	0.00699	93,179	652	92,853	2,198,323	23.6
60	0.00775	92,527	717	92,169	2,105,470	22.8
61	0.00854	91,810	784	91,418	2,013,301	21.9
62	0.00945	91,026	860	90,596	1,921,883	21.1
63	0.01053	90,166	950	89,691	1,831,287	20.3
64	0.01173	89,217	1,046	88,694	1,741,596	19.5
65	0.01295	88,170	1,142	87,599	1,652,902	18.7
66	0.01422	87,029	1,237	86,410	1,565,303	18.0
67	0.01562	85,791	1,340	85,121	1,478,893	17.2
68	0.01722	84,451	1,455	83,724	1,393,771	16.5
69	0.01893	82,997	1,571	82,211	1,310,047	15.8
70	0.02065	81,426	1,681	80,585	1,227,836	15.1
71	0.02249	79,745	1,793	78,848	1,147,250	14.4
72	0.02475	77,951	1,930	76,987	1,068,402	13.7
73	0.02765	76,022	2,102	74,971	991,415	13.0
74	0.03091	73,920	2,285	72,777	916,444	12.4
75	0.03425	71,635	2,453	70,408	843,667	11.8
76	0.03771	69,182	2,609	67,877	773,259	11.2
77	0.04168	66,573	2,775	65,185	705,382	10.6
78	0.04647	63,798	2,964	62,315	640,197	10.0
79	0.05175	60,833	3,148	59,259	577,881	9.5

Table 7 Complete Life Table for Singapore Resident Population, 2005 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.05714	57,685	3,296	56,037	518,622	9.0
81	0.06255	54,389	3,402	52,688	462,585	8.5
82	0.06818	50,987	3,476	49,249	409,897	8.0
83	0.07430	47,511	3,530	45,746	360,648	7.6
84	0.08091	43,981	3,559	42,202	314,902	7.2
85	0.08810	40,422	3,561	38,642	272,701	6.7
86	0.09589	36,861	3,535	35,094	234,059	6.3
87	0.10434	33,327	3,477	31,588	198,965	6.0
88	0.11348	29,849	3,387	28,156	167,377	5.6
89	0.12337	26,462	3,265	24,830	139,221	5.3
90	0.13406	23,197	3,110	21,642	114,391	4.9
91	0.14561	20,088	2,925	18,625	92,749	4.6
92	0.15806	17,163	2,713	15,806	74,124	4.3
93	0.17148	14,450	2,478	13,211	58,317	4.0
94	0.18592	11,972	2,226	10,859	45,106	3.8
95	0.20145	9,746	1,963	8,764	34,247	3.5
96	0.21811	7,783	1,698	6,934	25,483	3.3
97	0.23597	6,085	1,436	5,367	18,549	3.0
98	0.25508	4,649	1,186	4,056	13,182	2.8
99	0.27549	3,463	954	2,986	9,125	2.6
100+	1.00000	2,509	2,509	6,139	6,139	2.4

Table 8 Complete Life Table for Singapore Resident Males, 2005

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00253	100,000	253	99,792	7,759,262	77.6
1	0.00017	99,747	17	99,738	7,659,470	76.8
2	0.00016	99,730	16	99,722	7,559,731	75.8
3	0.00015	99,714	15	99,706	7,460,009	74.8
4	0.00014	99,699	14	99,692	7,360,303	73.8
5	0.00012	99,685	12	99,679	7,260,611	72.8
6	0.00011	99,673	11	99,668	7,160,932	71.8
7	0.00010	99,662	10	99,657	7,061,264	70.9
8	0.00010	99,652	10	99,647	6,961,607	69.9
9	0.00011	99,642	11	99,637	6,861,960	68.9
10	0.00012	99,631	12	99,625	6,762,323	67.9
11	0.00013	99,619	13	99,613	6,662,698	66.9
12	0.00015	99,606	15	99,599	6,563,086	65.9
13	0.00017	99,592	17	99,583	6,463,487	64.9
14	0.00020	99,575	20	99,565	6,363,904	63.9
15	0.00023	99,555	23	99,544	6,264,339	62.9
16	0.00026	99,532	26	99,519	6,164,795	61.9
17	0.00030	99,506	30	99,492	6,065,276	61.0
18	0.00035	99,477	35	99,459	5,965,784	60.0
19	0.00042	99,442	41	99,421	5,866,325	59.0
20	0.00048	99,400	48	99,376	5,766,904	58.0
21	0.00054	99,352	54	99,325	5,667,528	57.0
22	0.00058	99,298	58	99,269	5,568,202	56.1
23	0.00058	99,240	58	99,211	5,468,933	55.1
24	0.00056	99,182	56	99,155	5,369,722	54.1
25	0.00053	99,127	53	99,100	5,270,567	53.2
26	0.00051	99,074	50	99,049	5,171,467	52.2
27	0.00050	99,024	49	98,999	5,072,418	51.2
28	0.00051	98,975	51	98,949	4,973,418	50.2
29	0.00054	98,924	54	98,897	4,874,469	49.3
30	0.00058	98,870	57	98,841	4,775,573	48.3
31	0.00061	98,813	60	98,783	4,676,731	47.3
32	0.00065	98,753	64	98,721	4,577,949	46.4
33	0.00069	98,689	69	98,654	4,479,228	45.4
34	0.00075	98,620	74	98,583	4,380,574	44.4
35	0.00080	98,546	79	98,507	4,281,990	43.5
36	0.00086	98,468	84	98,426	4,183,483	42.5
37	0.00093	98,383	92	98,338	4,085,058	41.5
38	0.00104	98,292	102	98,241	3,986,720	40.6
39	0.00116	98,190	114	98,133	3,888,480	39.6

Table 8 Complete Life Table for Singapore Resident Males, 2005 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00129	98,076	127	98,012	3,790,347	38.6
41	0.00142	97,949	139	97,879	3,692,335	37.7
42	0.00156	97,810	153	97,733	3,594,456	36.7
43	0.00171	97,657	167	97,573	3,496,722	35.8
44	0.00187	97,489	182	97,398	3,399,149	34.9
45	0.00203	97,307	197	97,208	3,301,751	33.9
46	0.00220	97,110	213	97,003	3,204,543	33.0
47	0.00242	96,896	235	96,779	3,107,540	32.1
48	0.00272	96,662	263	96,530	3,010,761	31.1
49	0.00307	96,399	296	96,251	2,914,231	30.2
50	0.00343	96,102	330	95,937	2,817,980	29.3
51	0.00381	95,773	365	95,590	2,722,042	28.4
52	0.00423	95,408	404	95,206	2,626,452	27.5
53	0.00473	95,004	450	94,779	2,531,247	26.6
54	0.00528	94,554	499	94,305	2,436,468	25.8
55	0.00583	94,055	548	93,781	2,342,163	24.9
56	0.00641	93,507	600	93,207	2,248,382	24.0
57	0.00711	92,907	661	92,577	2,155,174	23.2
58	0.00798	92,247	736	91,879	2,062,597	22.4
59	0.00894	91,511	818	91,102	1,970,718	21.5
60	0.00993	90,692	901	90,242	1,879,617	20.7
61	0.01097	89,792	985	89,299	1,789,375	19.9
62	0.01217	88,807	1,080	88,267	1,700,075	19.1
63	0.01362	87,726	1,195	87,129	1,611,809	18.4
64	0.01524	86,531	1,319	85,872	1,524,680	17.6
65	0.01690	85,213	1,440	84,493	1,438,808	16.9
66	0.01860	83,773	1,558	82,993	1,354,315	16.2
67	0.02046	82,214	1,682	81,373	1,271,322	15.5
68	0.02255	80,532	1,816	79,624	1,189,949	14.8
69	0.02475	78,716	1,949	77,742	1,110,325	14.1
70	0.02698	76,767	2,071	75,732	1,032,583	13.5
71	0.02934	74,696	2,191	73,601	956,851	12.8
72	0.03219	72,505	2,334	71,338	883,251	12.2
73	0.03578	70,171	2,511	68,916	811,913	11.6
74	0.03979	67,660	2,692	66,314	742,997	11.0
75	0.04390	64,968	2,852	63,542	676,683	10.4
76	0.04814	62,116	2,990	60,621	613,141	9.9
77	0.05289	59,126	3,127	57,562	552,520	9.3
78	0.05848	55,998	3,275	54,361	494,959	8.8
79	0.06457	52,724	3,404	51,022	440,597	8.4

Table 8 Complete Life Table for Singapore Resident Males, 2005 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.07075	49,320	3,489	47,575	389,576	7.9
81	0.07697	45,830	3,527	44,067	342,001	7.5
82	0.08352	42,303	3,533	40,536	297,934	7.0
83	0.09076	38,770	3,519	37,010	257,398	6.6
84	0.09869	35,251	3,479	33,511	220,388	6.3
85	0.10720	31,772	3,406	30,069	186,877	5.9
86	0.11639	28,366	3,301	26,715	156,808	5.5
87	0.12631	25,065	3,166	23,482	130,092	5.2
88	0.13702	21,899	3,001	20,398	106,611	4.9
89	0.14857	18,898	2,808	17,494	86,213	4.6
90	0.16100	16,090	2,591	14,795	68,718	4.3
91	0.17437	13,500	2,354	12,323	53,923	4.0
92	0.18874	11,146	2,104	10,094	41,601	3.7
93	0.20416	9,042	1,846	8,119	31,507	3.5
94	0.22068	7,196	1,588	6,402	23,388	3.3
95	0.23837	5,608	1,337	4,940	16,986	3.0
96	0.25726	4,271	1,099	3,722	12,046	2.8
97	0.27741	3,172	880	2,732	8,324	2.6
98	0.29886	2,292	685	1,950	5,592	2.4
99	0.32167	1,607	517	1,349	3,642	2.3
100+	1.00000	1,090	1,090	2,293	2,293	2.1

Table 9 Complete Life Table for Singapore Resident Females, 2005

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00203	100,000	203	99,833	8,245,565	82.5
1	0.00016	99,797	16	99,789	8,145,732	81.6
2	0.00015	99,781	15	99,773	8,045,943	80.6
3	0.00014	99,766	14	99,759	7,946,169	79.6
4	0.00013	99,751	13	99,745	7,846,411	78.7
5	0.00012	99,738	12	99,732	7,746,666	77.7
6	0.00011	99,726	11	99,721	7,646,934	76.7
7	0.00010	99,715	10	99,710	7,547,213	75.7
8	0.00010	99,705	10	99,699	7,447,503	74.7
9	0.00011	99,694	11	99,689	7,347,804	73.7
10	0.00011	99,683	11	99,678	7,248,115	72.7
11	0.00012	99,672	12	99,666	7,148,437	71.7
12	0.00013	99,660	13	99,654	7,048,771	70.7
13	0.00014	99,647	14	99,641	6,949,118	69.7
14	0.00015	99,634	15	99,627	6,849,477	68.7
15	0.00016	99,619	16	99,611	6,749,850	67.8
16	0.00017	99,603	17	99,595	6,650,239	66.8
17	0.00018	99,586	18	99,577	6,550,644	65.8
18	0.00020	99,568	19	99,558	6,451,067	64.8
19	0.00021	99,549	21	99,538	6,351,509	63.8
20	0.00022	99,528	22	99,517	6,251,971	62.8
21	0.00023	99,506	23	99,494	6,152,454	61.8
22	0.00024	99,483	24	99,471	6,052,959	60.8
23	0.00024	99,459	24	99,447	5,953,488	59.9
24	0.00025	99,435	24	99,423	5,854,042	58.9
25	0.00024	99,410	24	99,398	5,754,619	57.9
26	0.00025	99,386	24	99,374	5,655,221	56.9
27	0.00025	99,361	25	99,349	5,555,847	55.9
28	0.00027	99,336	27	99,323	5,456,498	54.9
29	0.00030	99,309	29	99,294	5,357,176	53.9
30	0.00032	99,280	32	99,264	5,257,881	53.0
31	0.00035	99,248	35	99,230	5,158,617	52.0
32	0.00037	99,213	37	99,195	5,059,387	51.0
33	0.00040	99,176	40	99,156	4,960,192	50.0
34	0.00043	99,136	42	99,115	4,861,036	49.0
35	0.00045	99,094	45	99,072	4,761,921	48.1
36	0.00048	99,049	48	99,026	4,662,849	47.1
37	0.00052	99,002	52	98,976	4,563,824	46.1
38	0.00059	98,950	59	98,921	4,464,848	45.1
39	0.00067	98,892	67	98,858	4,365,927	44.1

Table 9 Complete Life Table for Singapore Resident Females, 2005 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00076	98,825	75	98,787	4,267,069	43.2
41	0.00085	98,750	83	98,708	4,168,281	42.2
42	0.00094	98,666	92	98,620	4,069,573	41.2
43	0.00103	98,574	102	98,523	3,970,953	40.3
44	0.00114	98,472	112	98,416	3,872,429	39.3
45	0.00124	98,360	122	98,299	3,774,013	38.4
46	0.00135	98,239	132	98,173	3,675,714	37.4
47	0.00148	98,107	145	98,034	3,577,541	36.5
48	0.00166	97,961	162	97,880	3,479,507	35.5
49	0.00185	97,799	181	97,708	3,381,627	34.6
50	0.00206	97,618	201	97,517	3,283,919	33.6
51	0.00227	97,416	221	97,306	3,186,402	32.7
52	0.00251	97,195	244	97,073	3,089,096	31.8
53	0.00279	96,951	270	96,816	2,992,023	30.9
54	0.00308	96,681	298	96,532	2,895,207	29.9
55	0.00338	96,383	326	96,220	2,798,675	29.0
56	0.00370	96,057	355	95,880	2,702,455	28.1
57	0.00408	95,702	391	95,507	2,606,575	27.2
58	0.00456	95,311	435	95,094	2,511,069	26.3
59	0.00509	94,877	483	94,635	2,415,975	25.5
60	0.00565	94,393	533	94,127	2,321,340	24.6
61	0.00622	93,860	584	93,569	2,227,213	23.7
62	0.00686	93,277	640	92,957	2,133,644	22.9
63	0.00762	92,637	706	92,284	2,040,687	22.0
64	0.00844	91,931	776	91,543	1,948,403	21.2
65	0.00928	91,155	846	90,732	1,856,860	20.4
66	0.01017	90,309	918	89,850	1,766,129	19.6
67	0.01120	89,391	1,001	88,890	1,676,279	18.8
68	0.01244	88,390	1,099	87,840	1,587,389	18.0
69	0.01378	87,290	1,203	86,689	1,499,549	17.2
70	0.01515	86,087	1,304	85,435	1,412,860	16.4
71	0.01663	84,783	1,410	84,078	1,327,425	15.7
72	0.01852	83,373	1,544	82,601	1,243,348	14.9
73	0.02102	81,829	1,720	80,969	1,160,747	14.2
74	0.02387	80,109	1,912	79,153	1,079,778	13.5
75	0.02679	78,196	2,095	77,149	1,000,626	12.8
76	0.02985	76,101	2,272	74,965	923,477	12.1
77	0.03342	73,829	2,468	72,596	848,511	11.5
78	0.03782	71,362	2,699	70,012	775,916	10.9
79	0.04272	68,663	2,933	67,196	705,904	10.3

Table 9 Complete Life Table for Singapore Resident Females, 2005 (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.04774	65,729	3,138	64,160	638,708	9.7
81	0.05277	62,592	3,303	60,940	574,547	9.2
82	0.05806	59,288	3,442	57,567	513,607	8.7
83	0.06388	55,846	3,568	54,062	456,040	8.2
84	0.07024	52,278	3,672	50,443	401,978	7.7
85	0.07715	48,607	3,750	46,732	351,535	7.2
86	0.08468	44,857	3,799	42,957	304,804	6.8
87	0.09288	41,058	3,813	39,151	261,846	6.4
88	0.10178	37,245	3,791	35,349	222,695	6.0
89	0.11144	33,454	3,728	31,590	187,346	5.6
90	0.12191	29,726	3,624	27,914	155,756	5.2
91	0.13324	26,102	3,478	24,363	127,842	4.9
92	0.14548	22,624	3,291	20,979	103,479	4.6
93	0.15868	19,333	3,068	17,799	82,501	4.3
94	0.17291	16,265	2,812	14,859	64,702	4.0
95	0.18820	13,453	2,532	12,187	49,843	3.7
96	0.20462	10,921	2,235	9,804	37,656	3.4
97	0.22220	8,686	1,930	7,721	27,852	3.2
98	0.24101	6,756	1,628	5,942	20,131	3.0
99	0.26107	5,128	1,339	4,459	14,189	2.8
100+	1.00000	3,789	3,789	9,730	9,730	2.6

Table 10 Complete Life Table for Singapore Resident Population, 2006 (Preliminary)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00239	100,000	239	99,804	8,043,234	80.4
1	0.00014	99,761	14	99,754	7,943,430	79.6
2	0.00014	99,747	14	99,740	7,843,675	78.6
3	0.00013	99,733	13	99,727	7,743,935	77.6
4	0.00013	99,720	13	99,714	7,644,208	76.7
5	0.00012	99,707	12	99,701	7,544,495	75.7
6	0.00011	99,696	11	99,690	7,444,793	74.7
7	0.00011	99,685	11	99,679	7,345,103	73.7
8	0.00011	99,674	11	99,669	7,245,424	72.7
9	0.00011	99,663	11	99,657	7,145,755	71.7
10	0.00012	99,652	12	99,646	7,046,098	70.7
11	0.00013	99,640	13	99,633	6,946,452	69.7
12	0.00014	99,627	14	99,620	6,846,819	68.7
13	0.00015	99,613	15	99,606	6,747,199	67.7
14	0.00016	99,598	16	99,590	6,647,593	66.7
15	0.00018	99,582	18	99,573	6,548,003	65.8
16	0.00020	99,564	19	99,554	6,448,430	64.8
17	0.00022	99,545	22	99,534	6,348,875	63.8
18	0.00025	99,523	25	99,511	6,249,341	62.8
19	0.00029	99,498	29	99,484	6,149,831	61.8
20	0.00033	99,470	33	99,453	6,050,347	60.8
21	0.00037	99,437	37	99,418	5,950,894	59.8
22	0.00039	99,400	39	99,380	5,851,475	58.9
23	0.00040	99,361	40	99,341	5,752,095	57.9
24	0.00040	99,321	39	99,301	5,652,754	56.9
25	0.00039	99,281	39	99,262	5,553,453	55.9
26	0.00038	99,243	38	99,224	5,454,191	55.0
27	0.00039	99,205	38	99,186	5,354,967	54.0
28	0.00040	99,167	40	99,147	5,255,781	53.0
29	0.00042	99,127	42	99,106	5,156,634	52.0
30	0.00045	99,085	45	99,062	5,057,528	51.0
31	0.00048	99,040	47	99,017	4,958,466	50.1
32	0.00051	98,993	50	98,968	4,859,449	49.1
33	0.00054	98,943	54	98,916	4,760,481	48.1
34	0.00058	98,889	58	98,860	4,661,565	47.1
35	0.00062	98,832	62	98,801	4,562,705	46.2
36	0.00067	98,770	66	98,737	4,463,904	45.2
37	0.00073	98,704	72	98,668	4,365,167	44.2
38	0.00081	98,633	80	98,593	4,266,498	43.3
39	0.00091	98,553	89	98,508	4,167,906	42.3

Table 10 Complete Life Table for Singapore Resident Population, 2006 (Preliminary) (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00101	98,463	99	98,414	4,069,398	41.3
41	0.00111	98,364	109	98,309	3,970,984	40.4
42	0.00122	98,255	120	98,195	3,872,674	39.4
43	0.00135	98,134	132	98,068	3,774,480	38.5
44	0.00148	98,002	145	97,930	3,676,412	37.5
45	0.00161	97,858	157	97,779	3,578,481	36.6
46	0.00174	97,701	170	97,615	3,480,702	35.6
47	0.00192	97,530	187	97,437	3,383,087	34.7
48	0.00215	97,343	209	97,238	3,285,650	33.8
49	0.00241	97,134	234	97,017	3,188,412	32.8
50	0.00268	96,899	260	96,769	3,091,396	31.9
51	0.00296	96,639	286	96,496	2,994,626	31.0
52	0.00327	96,353	316	96,195	2,898,130	30.1
53	0.00363	96,038	349	95,863	2,801,935	29.2
54	0.00402	95,689	384	95,496	2,706,072	28.3
55	0.00441	95,304	420	95,094	2,610,575	27.4
56	0.00482	94,884	457	94,656	2,515,481	26.5
57	0.00533	94,427	503	94,175	2,420,825	25.6
58	0.00598	93,924	562	93,643	2,326,650	24.8
59	0.00672	93,362	628	93,048	2,233,007	23.9
60	0.00749	92,734	695	92,387	2,139,959	23.1
61	0.00828	92,040	762	91,659	2,047,572	22.2
62	0.00913	91,278	834	90,861	1,955,913	21.4
63	0.01010	90,444	914	89,988	1,865,052	20.6
64	0.01113	89,531	997	89,033	1,775,064	19.8
65	0.01217	88,534	1,078	87,995	1,686,032	19.0
66	0.01327	87,457	1,161	86,876	1,598,036	18.3
67	0.01459	86,296	1,259	85,666	1,511,160	17.5
68	0.01620	85,037	1,378	84,348	1,425,494	16.8
69	0.01799	83,659	1,505	82,906	1,341,146	16.0
70	0.01982	82,154	1,628	81,340	1,258,239	15.3
71	0.02174	80,526	1,751	79,650	1,176,900	14.6
72	0.02403	78,775	1,893	77,829	1,097,249	13.9
73	0.02686	76,882	2,065	75,850	1,019,421	13.3
74	0.03001	74,817	2,245	73,695	943,571	12.6
75	0.03323	72,572	2,411	71,366	869,876	12.0
76	0.03656	70,161	2,565	68,878	798,510	11.4
77	0.04033	67,596	2,726	66,232	729,632	10.8
78	0.04481	64,869	2,907	63,416	663,399	10.2
79	0.04970	61,963	3,079	60,423	599,983	9.7

Table 10 Complete Life Table for Singapore Resident Population, 2006 (Preliminary) (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.05467	58,883	3,219	57,274	539,560	9.2
81	0.05969	55,664	3,323	54,003	482,286	8.7
82	0.06507	52,342	3,406	50,639	428,283	8.2
83	0.07114	48,936	3,482	47,195	377,645	7.7
84	0.07792	45,455	3,542	43,684	330,449	7.3
85	0.08516	41,913	3,569	40,128	286,766	6.8
86	0.09302	38,344	3,567	36,560	246,637	6.4
87	0.10156	34,777	3,532	33,011	210,077	6.0
88	0.11081	31,245	3,462	29,514	177,066	5.7
89	0.12084	27,782	3,357	26,104	147,553	5.3
90	0.13168	24,425	3,216	22,817	121,449	5.0
91	0.14339	21,209	3,041	19,688	98,632	4.7
92	0.15604	18,168	2,835	16,750	78,943	4.3
93	0.16967	15,333	2,601	14,032	62,193	4.1
94	0.18433	12,731	2,347	11,558	48,161	3.8
95	0.20010	10,385	2,078	9,346	36,603	3.5
96	0.21701	8,307	1,803	7,405	27,257	3.3
97	0.23513	6,504	1,529	5,739	19,852	3.1
98	0.25450	4,975	1,266	4,342	14,112	2.8
99	0.27518	3,709	1,021	3,198	9,771	2.6
100+	1.00000	2,688	2,688	6,572	6,572	2.4

Table 11 Complete Life Table for Singapore Resident Males, 2006 (Preliminary)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00265	100,000	265	99,782	7,797,682	78.0
1	0.00015	99,735	15	99,727	7,697,899	77.2
2	0.00015	99,720	14	99,713	7,598,172	76.2
3	0.00014	99,705	14	99,698	7,498,460	75.2
4	0.00013	99,692	13	99,685	7,398,761	74.2
5	0.00012	99,679	12	99,673	7,299,076	73.2
6	0.00011	99,667	11	99,662	7,199,403	72.2
7	0.00010	99,657	10	99,651	7,099,741	71.2
8	0.00011	99,646	11	99,641	7,000,090	70.2
9	0.00012	99,635	12	99,630	6,900,449	69.3
10	0.00013	99,624	13	99,617	6,800,819	68.3
11	0.00014	99,611	14	99,603	6,701,202	67.3
12	0.00016	99,596	16	99,588	6,601,599	66.3
13	0.00018	99,580	18	99,572	6,502,010	65.3
14	0.00020	99,563	20	99,553	6,402,439	64.3
15	0.00022	99,543	22	99,531	6,302,886	63.3
16	0.00025	99,520	25	99,508	6,203,355	62.3
17	0.00028	99,495	28	99,481	6,103,847	61.3
18	0.00033	99,467	33	99,451	6,004,366	60.4
19	0.00039	99,434	39	99,415	5,904,915	59.4
20	0.00046	99,395	45	99,372	5,805,500	58.4
21	0.00052	99,350	51	99,324	5,706,128	57.4
22	0.00055	99,299	55	99,271	5,606,804	56.5
23	0.00056	99,244	56	99,216	5,507,533	55.5
24	0.00055	99,188	55	99,161	5,408,317	54.5
25	0.00053	99,133	53	99,107	5,309,157	53.6
26	0.00052	99,081	51	99,055	5,210,050	52.6
27	0.00052	99,029	51	99,004	5,110,995	51.6
28	0.00053	98,978	52	98,952	5,011,991	50.6
29	0.00055	98,926	54	98,899	4,913,039	49.7
30	0.00057	98,872	56	98,844	4,814,140	48.7
31	0.00059	98,816	58	98,787	4,715,296	47.7
32	0.00062	98,758	62	98,727	4,616,509	46.7
33	0.00067	98,696	67	98,663	4,517,782	45.8
34	0.00074	98,629	73	98,593	4,419,120	44.8
35	0.00080	98,557	79	98,517	4,320,527	43.8
36	0.00087	98,478	85	98,436	4,222,009	42.9
37	0.00095	98,393	93	98,346	4,123,574	41.9
38	0.00105	98,300	103	98,248	4,025,227	40.9
39	0.00116	98,197	114	98,140	3,926,979	40.0

Table 11 Complete Life Table for Singapore Resident Males, 2006 (Preliminary) (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00128	98,083	126	98,020	3,828,839	39.0
41	0.00140	97,957	137	97,889	3,730,819	38.1
42	0.00154	97,820	150	97,745	3,632,930	37.1
43	0.00169	97,670	165	97,587	3,535,186	36.2
44	0.00185	97,505	180	97,415	3,437,598	35.3
45	0.00201	97,325	195	97,227	3,340,184	34.3
46	0.00218	97,129	212	97,024	3,242,957	33.4
47	0.00240	96,918	233	96,801	3,145,933	32.5
48	0.00269	96,685	260	96,555	3,049,132	31.5
49	0.00302	96,425	291	96,280	2,952,577	30.6
50	0.00336	96,134	323	95,972	2,856,297	29.7
51	0.00372	95,811	356	95,633	2,760,325	28.8
52	0.00412	95,455	393	95,258	2,664,692	27.9
53	0.00459	95,061	437	94,843	2,569,434	27.0
54	0.00511	94,625	483	94,383	2,474,591	26.2
55	0.00563	94,141	530	93,876	2,380,208	25.3
56	0.00618	93,612	579	93,322	2,286,331	24.4
57	0.00685	93,033	637	92,714	2,193,009	23.6
58	0.00767	92,396	709	92,041	2,100,295	22.7
59	0.00860	91,687	788	91,293	2,008,254	21.9
60	0.00955	90,898	868	90,464	1,916,961	21.1
61	0.01053	90,031	948	89,556	1,826,497	20.3
62	0.01166	89,082	1,039	88,563	1,736,940	19.5
63	0.01301	88,043	1,146	87,471	1,648,378	18.7
64	0.01449	86,898	1,259	86,268	1,560,907	18.0
65	0.01600	85,639	1,371	84,953	1,474,638	17.2
66	0.01757	84,268	1,481	83,528	1,389,685	16.5
67	0.01933	82,787	1,600	81,987	1,306,157	15.8
68	0.02137	81,187	1,735	80,320	1,224,170	15.1
69	0.02357	79,452	1,872	78,516	1,143,850	14.4
70	0.02580	77,580	2,001	76,579	1,065,334	13.7
71	0.02814	75,579	2,127	74,515	988,755	13.1
72	0.03089	73,452	2,269	72,317	914,240	12.4
73	0.03425	71,183	2,438	69,964	841,923	11.8
74	0.03794	68,745	2,608	67,441	771,959	11.2
75	0.04170	66,136	2,758	64,758	704,519	10.7
76	0.04561	63,379	2,891	61,933	639,761	10.1
77	0.05016	60,488	3,034	58,971	577,828	9.6
78	0.05569	57,454	3,200	55,854	518,857	9.0
79	0.06181	54,254	3,354	52,578	463,003	8.5

Table 11 Complete Life Table for Singapore Resident Males, 2006 (Preliminary) (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.06804	50,901	3,463	49,169	410,425	8.1
81	0.07424	47,438	3,522	45,677	361,256	7.6
82	0.08069	43,916	3,544	42,144	315,579	7.2
83	0.08775	40,372	3,543	38,601	273,435	6.8
84	0.09554	36,830	3,519	35,070	234,834	6.4
85	0.10391	33,311	3,461	31,580	199,763	6.0
86	0.11296	29,850	3,372	28,164	168,183	5.6
87	0.12276	26,478	3,250	24,853	140,019	5.3
88	0.13334	23,228	3,097	21,679	115,167	5.0
89	0.14476	20,130	2,914	18,673	93,487	4.6
90	0.15708	17,216	2,704	15,864	74,814	4.3
91	0.17036	14,512	2,472	13,276	58,950	4.1
92	0.18464	12,040	2,223	10,928	45,674	3.8
93	0.19999	9,817	1,963	8,835	34,746	3.5
94	0.21646	7,854	1,700	7,004	25,911	3.3
95	0.23411	6,154	1,441	5,433	18,907	3.1
96	0.25300	4,713	1,192	4,117	13,474	2.9
97	0.27317	3,521	962	3,040	9,357	2.7
98	0.29469	2,559	754	2,182	6,317	2.5
99	0.31758	1,805	573	1,518	4,135	2.3
100+	1.00000	1,232	1,232	2,617	2,617	2.1

Table 12 Complete Life Table for Singapore Resident Females, 2006 (Preliminary)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
0	0.00210	100,000	210	99,828	8,276,021	82.8
1	0.00014	99,790	14	99,783	8,176,193	81.9
2	0.00013	99,776	13	99,770	8,076,410	80.9
3	0.00013	99,763	13	99,756	7,976,641	80.0
4	0.00012	99,750	12	99,744	7,876,885	79.0
5	0.00012	99,737	12	99,731	7,777,141	78.0
6	0.00011	99,725	11	99,720	7,677,410	77.0
7	0.00011	99,714	11	99,709	7,577,690	76.0
8	0.00011	99,703	11	99,698	7,477,981	75.0
9	0.00011	99,692	11	99,687	7,378,284	74.0
10	0.00011	99,681	11	99,676	7,278,597	73.0
11	0.00011	99,670	11	99,665	7,178,921	72.0
12	0.00011	99,659	11	99,653	7,079,257	71.0
13	0.00012	99,648	12	99,642	6,979,603	70.0
14	0.00012	99,636	12	99,630	6,879,961	69.1
15	0.00013	99,624	13	99,617	6,780,331	68.1
16	0.00014	99,611	14	99,604	6,680,714	67.1
17	0.00015	99,597	15	99,589	6,581,110	66.1
18	0.00016	99,582	16	99,574	6,481,521	65.1
19	0.00018	99,566	18	99,557	6,381,947	64.1
20	0.00020	99,548	20	99,538	6,282,390	63.1
21	0.00022	99,528	22	99,517	6,182,852	62.1
22	0.00023	99,506	23	99,495	6,083,335	61.1
23	0.00024	99,483	24	99,471	5,983,840	60.1
24	0.00025	99,459	24	99,447	5,884,369	59.2
25	0.00025	99,435	25	99,422	5,784,922	58.2
26	0.00025	99,410	25	99,397	5,685,499	57.2
27	0.00027	99,385	26	99,371	5,586,102	56.2
28	0.00029	99,358	29	99,344	5,486,730	55.2
29	0.00031	99,330	31	99,314	5,387,387	54.2
30	0.00034	99,298	34	99,281	5,288,072	53.3
31	0.00037	99,264	37	99,246	5,188,791	52.3
32	0.00040	99,228	39	99,208	5,089,545	51.3
33	0.00042	99,188	42	99,168	4,990,337	50.3
34	0.00044	99,147	43	99,125	4,891,169	49.3
35	0.00046	99,103	45	99,081	4,792,044	48.4
36	0.00048	99,058	47	99,035	4,692,963	47.4
37	0.00052	99,011	51	98,985	4,593,929	46.4
38	0.00058	98,960	57	98,931	4,494,943	45.4
39	0.00066	98,903	65	98,870	4,396,012	44.4

Table 12 Complete Life Table for Singapore Resident Females, 2006 (Preliminary) (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
40	0.00074	98,838	73	98,801	4,297,142	43.5
41	0.00082	98,765	81	98,724	4,198,341	42.5
42	0.00091	98,684	89	98,639	4,099,616	41.5
43	0.00100	98,594	99	98,545	4,000,977	40.6
44	0.00110	98,496	108	98,442	3,902,432	39.6
45	0.00120	98,388	118	98,329	3,803,990	38.7
46	0.00130	98,270	128	98,206	3,705,661	37.7
47	0.00143	98,142	140	98,072	3,607,455	36.8
48	0.00160	98,002	157	97,924	3,509,383	35.8
49	0.00179	97,845	175	97,758	3,411,459	34.9
50	0.00199	97,670	194	97,573	3,313,702	33.9
51	0.00220	97,476	214	97,369	3,216,129	33.0
52	0.00242	97,262	235	97,144	3,118,760	32.1
53	0.00266	97,027	258	96,897	3,021,616	31.1
54	0.00292	96,768	283	96,627	2,924,719	30.2
55	0.00318	96,485	307	96,332	2,828,092	29.3
56	0.00346	96,179	333	96,012	2,731,760	28.4
57	0.00382	95,846	366	95,663	2,635,747	27.5
58	0.00431	95,480	412	95,274	2,540,084	26.6
59	0.00488	95,068	464	94,836	2,444,810	25.7
60	0.00548	94,604	519	94,344	2,349,974	24.8
61	0.00609	94,085	573	93,799	2,255,630	24.0
62	0.00670	93,512	627	93,199	2,161,831	23.1
63	0.00735	92,886	682	92,544	2,068,632	22.3
64	0.00799	92,203	737	91,835	1,976,088	21.4
65	0.00863	91,466	789	91,072	1,884,253	20.6
66	0.00934	90,677	847	90,254	1,793,181	19.8
67	0.01029	89,830	924	89,368	1,702,928	19.0
68	0.01158	88,906	1,030	88,391	1,613,559	18.1
69	0.01308	87,876	1,149	87,302	1,525,168	17.4
70	0.01461	86,727	1,267	86,094	1,437,866	16.6
71	0.01624	85,460	1,388	84,766	1,351,773	15.8
72	0.01823	84,072	1,533	83,306	1,267,006	15.1
73	0.02077	82,540	1,714	81,683	1,183,700	14.3
74	0.02364	80,825	1,911	79,870	1,102,018	13.6
75	0.02660	78,915	2,099	77,865	1,022,148	13.0
76	0.02964	76,816	2,277	75,677	944,283	12.3
77	0.03303	74,539	2,462	73,308	868,605	11.7
78	0.03696	72,077	2,664	70,745	795,297	11.0
79	0.04119	69,413	2,859	67,983	724,552	10.4

Table 12 Complete Life Table for Singapore Resident Females, 2006 (Preliminary) (Continued)

Age x (years)	Probability of dying between exact age x and age x+1 q_x	Number of survivors at exact age x l_x	Number of deaths between exact age x and age x+1 d_x	Number of person-years lived between exact age x and age x+1 L_x	Total person-years lived after exact age x T_x	Expectation of life at exact age x e_x
80	0.04548	66,554	3,027	65,040	656,569	9.9
81	0.04986	63,527	3,167	61,943	591,529	9.3
82	0.05475	60,360	3,305	58,707	529,585	8.8
83	0.06060	57,055	3,458	55,326	470,878	8.3
84	0.06739	53,597	3,612	51,791	415,552	7.8
85	0.07454	49,985	3,726	48,122	363,761	7.3
86	0.08235	46,259	3,810	44,354	315,639	6.8
87	0.09087	42,449	3,857	40,521	271,285	6.4
88	0.10014	38,592	3,864	36,660	230,764	6.0
89	0.11020	34,728	3,827	32,814	194,104	5.6
90	0.12112	30,901	3,743	29,029	161,290	5.2
91	0.13294	27,158	3,610	25,353	132,261	4.9
92	0.14570	23,548	3,431	21,832	106,908	4.5
93	0.15945	20,117	3,208	18,513	85,076	4.2
94	0.17425	16,909	2,946	15,436	66,563	3.9
95	0.19013	13,963	2,655	12,635	51,127	3.7
96	0.20713	11,308	2,342	10,137	38,491	3.4
97	0.22529	8,966	2,020	7,956	28,355	3.2
98	0.24464	6,946	1,699	6,096	20,399	2.9
99	0.26520	5,247	1,391	4,551	14,302	2.7
100+	1.00000	3,855	3,855	9,752	9,752	2.5

SINGAPORE DEPARTMENT OF STATISTICS
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The website also provides a convenient gateway to international statistical websites under the "Statistical Resources" section:

- Guide to International Statistics
  which covers international databases, classifications and links, and statistical terms and definitions.
- IMF Dissemination Standards Bulletin Board
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