

CONSTRUCTING LIFE TABLES FOR KOREA 1925-70*

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Korean life tables were first attempted by H. Choe and S. Harafuji in the late 1930's.¹ These are considered to be pioneering works of the Korean demography. In the more recent years Y. Chang, K.S. Koh, and D. Lee made efforts to reconstruct the Korean life tables covering specific time periods in the past.² Even though these works have made valued contributions to advancing our knowledge on mortality trends of the Korean Population, their products lack comparability for the time series analysis of the Korean mortality due to the conflicting assumptions and varied methodologies employed. Problem also arises in these earlier works of the Korean life tables for their failing to take into proper account of peculiar age and sex patterns of the Korean mortality.

The present analysis therefore attempts to make up for these weaknesses in the earlier life tables; that is, in constructing a new series of the Korean life tables we have incorporated to a considerable extent the age and sex patterns of the Korean mortality derived from the census statistics. We also tried to ensure comparability among the life tables covering different periods by employing uniform computational methods for which life tables were constructed.

Registration statistics in Korea are of very limited use in the calculation of any reliable vital rates because of the incompleteness and inaccuracy of the provided information. During 1925-42, when only the deaths at age 10 and over are considered as a whole, the reporting in registration seems to have been more or less complete, and these data were often adopted for the estimation of mortality rates and partly for the construction of life tables. The census statistics are, however, known to be far better even in this period. There is also a doubt about the reliability of information on the age of the dead from registration. In view of social customs in Korea concerning death and overall delayed registration considerable errors in the age reporting of death registration are apparently inevit-

* This is a slightly revised and extended version of a chapter entitled 'Construction of Life Tables and Estimation of Age-Specific Mortality, 1925-66' in the author's Ph. D thesis, *Population Change and Its Components in Korea 1925-66* (Australian National University, 1972).

1. Huiyong Choe, 'Chōsen jumin no seimei hyō' (Korean Life Tables), *Chōsen igakkai zasshi*, (Korean Medical Journal), Vol. 29, No. 11, Seoul, 1939, pp. 2180-2220. Syue Harafuji, 'Dō betsu chōsenjin seimei hyō' (Life Table for Koreans by Province), *Chōsen igakkai zasshi*, Vol. 30, Nos. 7-8, Seoul, 1940, pp. 1043-1074.
2. Yunshik Chang, *Population in Early Modernization: Korea* (Ph.D thesis, Princeton), 1967, pp. 164-210 & 355-358. Yunshik Chang, Hae Young Lee, Eui-Young Yu & Tai Hwan Kwon, *A Study of the Korean Population 1966*, Population and Development Studies Center, Seoul National University, Seoul, 1974, pp. 101-107.
Kap Suk Koh and Il Hyun Kim, 'Abridged Life Tables for the Republic of Korea', *Monthly Statistics of Korea*, Vol. 6, Nos. 7-8, Seoul, 1964.
Dongwoo Lee, *Derivation of Life Table Functions from the Recent Korean Censuses* (M.S. Thesis, London School of Hygiene and Tropical Medicine, London University), 1972.

able. For the period after World War II, the data on deaths are considerably defective for all ages, and accordingly any method utilising death data from registration is in no way to be fully justified. On these grounds, we have tried here, to make use of census survival ratios in constructing life tables.

Prior to constructing life tables, it is necessary to evaluate the census survival ratios. The quality of census data is examined adopting Princeton regional model life tables for reference mainly because of their extensive coverage of various mortality experiences. At the same time, the plausibility of employing the Coale and Demeny method of estimating mortality from census survival ratios which is described in the U.N. Manual IV³ is also examined, and then we have tried to develop suitable methods for Korean data and the observed pattern of Korean mortality.

In order to adopt any method utilising census survival ratios for the estimation of mortality, the population should be supposed to be closed against migration in or out. In Korea, this condition is almost met only for the years after the Korean War. On the other hand, the Korean population during the colonial period could be regarded as closed when the Koreans in Japan and China (mostly Manchuria) are added to those in Korea.⁴ The compilation of Koreans in Korea, Japan and China by quinquennial age groups for the colonial period could be carried out with fair reliability.⁵ The adjusted age distributions of total Koreans for various years were, however, compared with each other to find out obvious errors if any. The adjusted populations at the 1935 census were found to be over-enumerated, particularly for the ages 15-29. The distributions for the quinquennial age groups between 15-29 were corrected, based on the age compositions of 1930 and 1940. Unlike others, the 1935 census enumerated the population on both *de facto* and *de jure* principles, and this might have resulted in double counts among migrants concentrated in the ages 15-29 or a different degree of completeness compared to other censuses in the colonial period.⁶

For the years between World War II and the Korean War, the condition of closed population could not be established. Poor statistics on the sizeable migration during this period, together with the partition of the nation leaves little possibility of approaching the population based on the concept of closed population. So, the specific mortality for the years 1940-50 is roughly estimated by interpolation from the mortality for 1935-40 and for 1955-60. For the years 1950-55 which include the Korean War, no attempt is made either to construct actual life tables or to estimate specific mortality because of the difficulty of separation of deaths during the war from migration between the two Koreas. Instead, life tables are constructed for this period under the assumption of no war following the method adopted for 1940-50. For the periods since 1955, adjustment for census intervals is necessary. This was carried out taking the 1970 census date as reference point.⁷ After examining the relative coverage of enumeration among the censuses of 1955-70 by sex, the 1970 sex

3. A.J. Coale & P. Demeny, *Regional Model Life Tables and Stable Populations*, Princeton University Press, 1966, and United Nations, *Methods of Estimating Basic Demographic Measures from Incomplete Data* (Manual IV, ST/SOA/Series A/42), 1967, pp. 8-12.

4. See, Yunshik Chang, *op. cit.*, 1967, pp. 150-160.

5. Tai Hwan Kwon, *Population Change and Its Components in Korea 1925-66* (Ph.D thesis, Australian National University), 1972, pp.388~391. Tai Hwan Kwon, Hae Young Lee, Yunshik Chang & Eui-Young Yu, *The Population of Korea*, World Population Year/C.I.C. R.E.D. Monograph, Population and Development Studies Center, Seoul National University, Seoul, 1975, pp. 149-150.

6. Kwon, *op. cit.*, Section 1.3.2 in Chapter I.

7. *Ibid*, Section 10.1.3 in Chapter X.

distributions were slightly adjusted for under/over enumeration; .25 % relative under-enumeration for males and the equivalent amount of relative overenumeration for females.⁸

1. CENSUS SURVIVAL RATIOS AND PROPORTIONS SURVIVING IN REGIONAL MODEL LIFE TABLES

Two basic tests are applied to census populations to check the quality of census survival ratios and to find out the most suitable set of model life tables for Korea. Firstly, the compiled age distributions of 1925 to 1940, which are reasonably supposed to be stable or quasi-stable, are compared to regional model stable populations in a range of observed intercensal growth rates and mortality levels to cover the maximum variations in actual mortality and fertility. Then the indices of dissimilarity⁹ are calculated to see to what extent the actual age distributions differ from the equivalent model stable populations. It is, however, found that this comparison gives us little idea about which set of the regional models is best fitted to the Korean age compositions. Instead, it only provides crude information on the mortality and fertility levels most closely ascribable to the Korean populations at the censuses of 1925-40.¹⁰

The second method is to compare census survival ratios with the proportions surviving in regional model life tables. The model life table survival ratios corresponding to the census survival ratios are obtained adopting the Coale and Demeny method of estimating age specific mortality based on two census age distributions and model life tables. In the following paragraphs, the procedures are summarized briefly.¹¹

1. Preparation of a series of the expected age distributions at the time of the later census corresponding to a series of mortality levels by applying the proportions surviving in model life tables to the population of the earlier census by age.
2. Calculation of the cumulative age distributions of the later census population and the expected populations prepared in (1) from the highest to the lowest ages.
3. Reading the life table mortality levels for the age x and over at which the cumulative census population and the expected cumulative population exactly agree.
4. Selection of the median level of mortality from the nine levels of mortality derived in (3) for the ages from 0 and over and to 40 and over at intervals of five years.
5. Selection of a model life table which the median level of mortality indicates and reading all the life table functions from this life table.

The above method is applied to all the four families of regional model life tables and the results are compared to census results. Two investigations are made here to evaluate the census data; (a) examination of consistency and the patterns of fluctuations in the levels of mortality for the age x and over in each set of regional model, and (b) comparison of census survival ratios and the estimated life table proportions surviving.

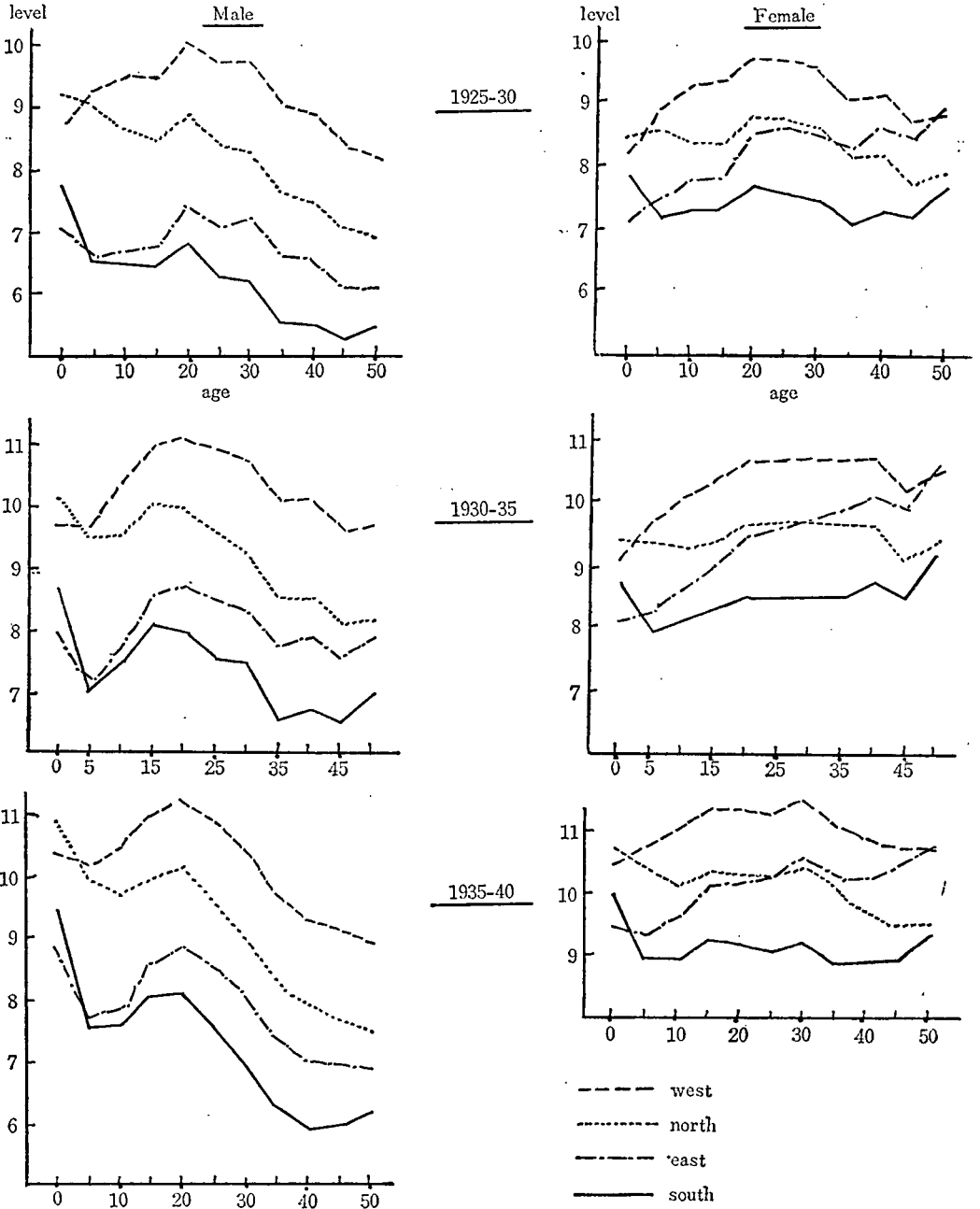
8. Chang, *et al*, *op. cit.*, pp. 12-18.

9. Nathan Keyfitz, *Introduction to the Mathematics of Population*, Addison-Wesley Publ. Co., Menlo Park, 1968, p.47.

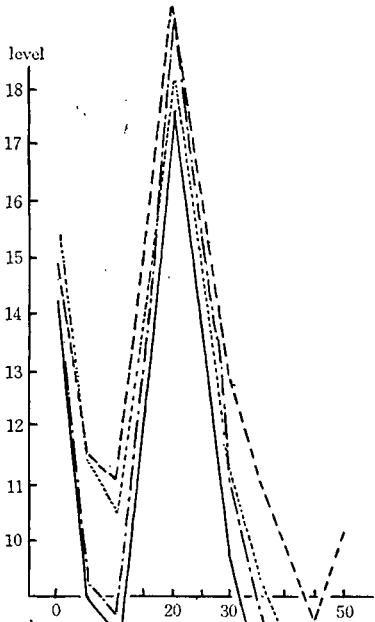
10. The dissimilarity index is found to be rather insensitive to differences in mortality level and to different families of regional models. Throughout the census period from 1925 to 1940, the index figures in a possible range of r (growth rate) ranged mostly from 1.5 to 3.0% in any set of regional stable populations.

11. U.N., *op. cit.*, pp. 8-12.

Figure 1. Levels of Mortality in Four Families of Regional Model Life Tables Corresponding to Census Survival Ratios from Age X and over to Age X+5 and over, 1925-65



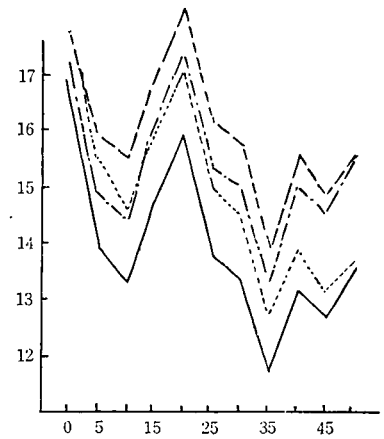
(Figure 1 Continued.)



1955-60



1960-65



- west
- ... north
- .- east
- south

Age Patterns of Levels of Mortality in Regional Model Life Tables Which Correspond to Cumulative Census Survival Ratios

The levels of mortality for the age x and over in regional life tables corresponding to the cumulative census survival ratios for the same ages are plotted in Figure 1 and the findings from this figure are presented below.

1. The range of mortality levels for the age x and over in any set of regional model life tables is very narrow during 1925–40. The difference in mortality level by age is, however, considerable for 1955–70. The range of difference is also found to be much smaller for females than for males throughout the entire period. This apparently indicates either that the enumeration of female age distributions has been more complete than that of males or that the female age pattern of mortality is closer to that of regional model life tables than the male pattern is.
2. Very consistent relationships among the four sets of regional model life tables are observed. The levels of mortality in model life tables, which are directly associated with particular expectations of life at birth [e_0^x], are always the highest in the west models and the lowest in the south models. This difference in the general levels of mortality between the west and the south models is equivalent to 5 to 7 year difference in the expectation of life at birth.
3. During the colonial period, each regional model manifests highly consistent patterns of mortality levels when males and females are considered separately. According to Figure 2.1, the north model seems to fit most closely to the Korean pattern of mortality during the colonial period 1925–40. For females, deviations in the mortality levels are very slight in the north family. Though the range of difference in the level by age is wider, the north set still produces highly desirable curves for males. According to the north curves for males, a consistent downward trend in mortality level is observed with the increase of age. In the case of males, a similar trend is observed from the other models but with much more fluctuations or deviations. This downward trend is again found in the north model for females for the years 1925–30 and 1935–40 though not as distinctively as for males.
4. Unlike during the colonial period, no set of regional model life tables agrees with the observed patterns from the Korean censuses since 1955. The projected levels of mortality from census survival ratios reveal very large fluctuations in any set of models. Needless to say, this is due mostly to systematic errors in census enumeration directly evident from census survival ratios themselves. Larger deviations for 1955–60 are certain to be ascribed to the deliberate misreporting of age in the 1955 census.
5. Despite substantial fluctuations, a downward trend in the level of mortality with the increase of age is again evident for 1960–70 in every set regional model life tables.

From the above observation, it is reasonable to assume that the north model life tables represent the Korean pattern of mortality approximately throughout the entire period 1925–70 when the downward trend in mortality level is taken into consideration. However, in view of significant differences in the expectation of life at birth and in infant and child mortality depending upon which set of regional model life tables is adopted, these observations are not sufficient to justify fully the selection of any particular set of model life tables.

Comparison of Census and Model Life Table Survival Ratios

Adopting the Coale and Demeny method of estimating mortality described above, the proportions surviving for quinquennial age groups in each set of regional model life tables are calculated for the intercensal periods from 1925 to 1940 and from 1955 to 1970. These four sets of the proportions surviving are then compared with the corresponding census survival ratios by taking differences between the two kinds of ratios as shown in Figure 2. The findings from this comparison are presented below.

1. The difference between the estimated survival ratios from regional model life tables are found to be very substantial for the ages 0-9 and for the old age 50 and onwards. The differences are very minor for the ages in between these two groups. This suggests that while the four sets of regional life tables produce very similar results to each other in adult working ages, the selection of a particular set is of great importance in determining the rates and the patterns of mortality for very young and old ages which are in turn liable to large errors. This again indicates that to determine the set of model life tables best fitted to a particular set of census survival ratios, it is essential to consider the mortality for child and old ages.
2. The pattern of fluctuations in the differences between the census and the estimated model survival ratios is somewhat similar for both males and females over the four decades from 1925 to 1965 though the fluctuations are much greater for the later years because of substantial under/over enumeration in the recent censuses since 1955.
3. For the ages 0-4, the west and the east sets of estimates reveal proportions surviving closer to the census survival ratios for males, and the north and the east sets for females during the colonial period. For the ages 50 and over the east model life tables turn out to be the best fitted to the female ratios. Because of marked errors in census enumeration and age reporting, it is inappropriate to make any comparison between census and model life table survival ratios after 1955.
4. Besides the jags between two consecutive age groups which could be easily supposed to reflect the errors in census enumeration, it is also observed loose up-and-downs over a large range of ages. These loose up-and-downs, which might be considered as the real differences between actual mortality and model life table mortality, are more clearly seen when the jags between successive age groups are smoothed out as shown in Figure 3.

When the census survival ratios for 1925-40, which are regarded as reasonably reliable are graduated and again compared with model life table survival ratios, the typical pattern of Korean mortality from the census and its degree of similarity to that of regional model life tables clearly emerge. The census survival ratios are primarily graduated by the following formula.

$$\begin{aligned} {}_n\bar{S}_x &= ({}_nS_{x-n} + 2{}_nS_x + {}_nS_{x+n})/4 + {}_nS'_x - ({}_nS'_{x-n} + 2{}_nS'_x + {}_nS'_{x+n})/4 \\ &= ({}_nS_{x-n} + 2{}_nS_x + {}_nS_{x+n})/4 + \{2{}_nS'_x - ({}_nS'_{x-n} + {}_nS'_{x+n})\}/4 \end{aligned}$$

where

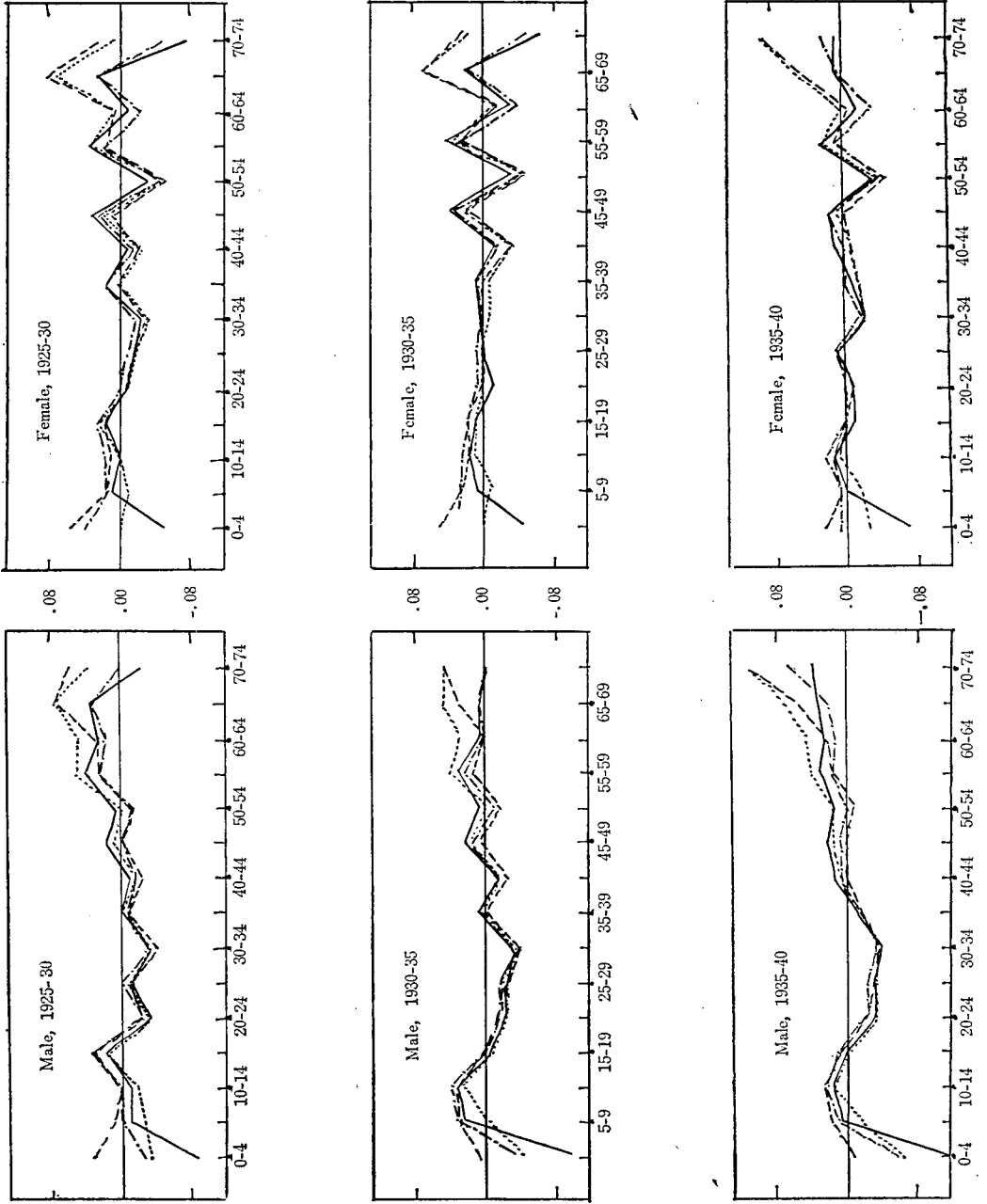
${}_n\bar{S}_x$ is the graduated survival ratio for the age group x to $x+n$,

${}_nS_x$ is the census survival ratio for the age group x to $x+n$, and

${}_nS'_x$ is the proportion surviving for the age group x to $x+n$ in the model life table chosen as standard for graduation.

The estimated regional life table survival ratios by the Coale and Demeny method are again adopted here as ${}_nS'_x$ values, and from one set of census survival ratios four sets of

Figure 2. Differences between Estimated Proportions Surviving from Regional Model Life Tables and Census Survival Ratios, 1925-65



(Figure 2 Continued.)

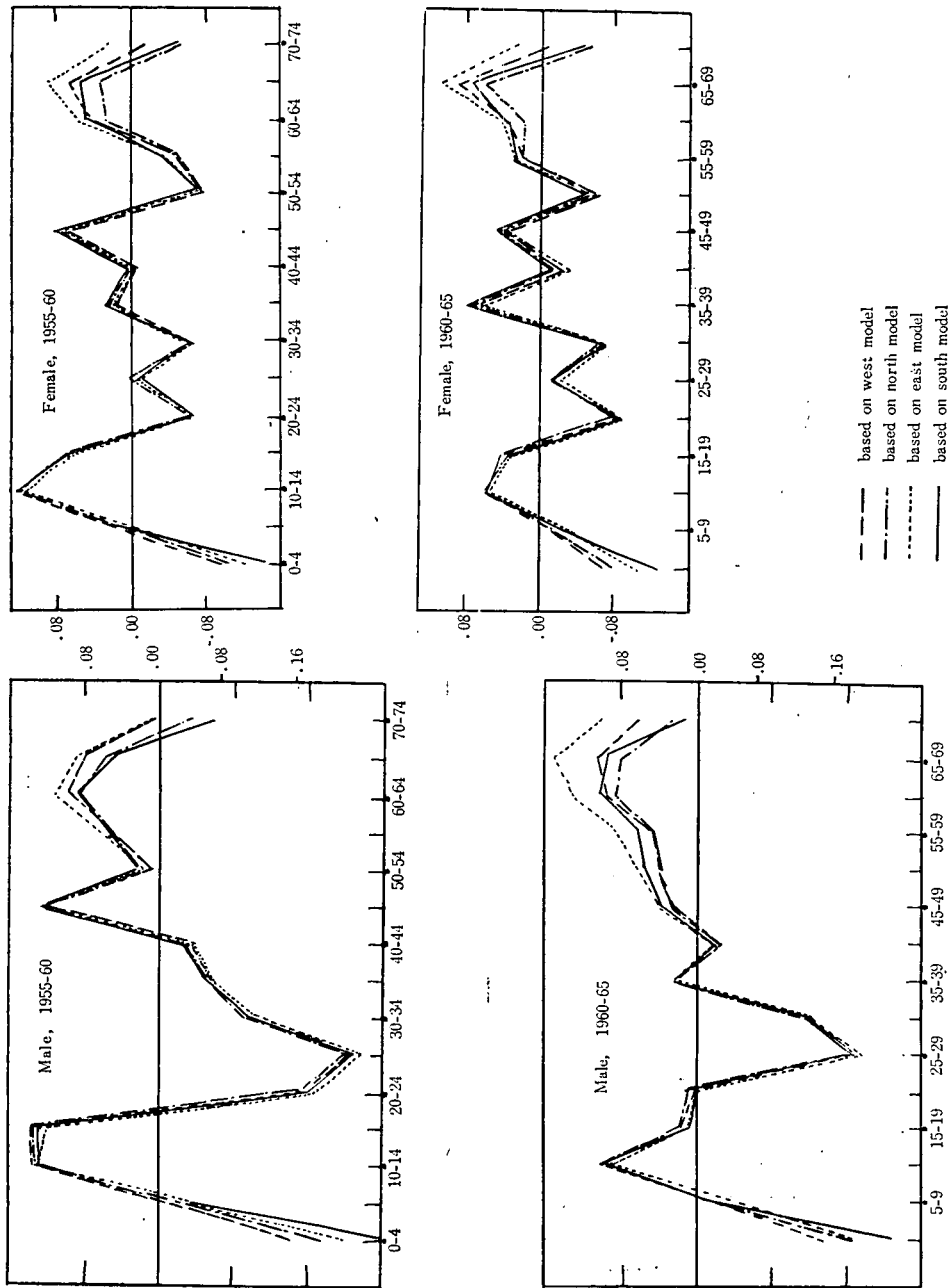
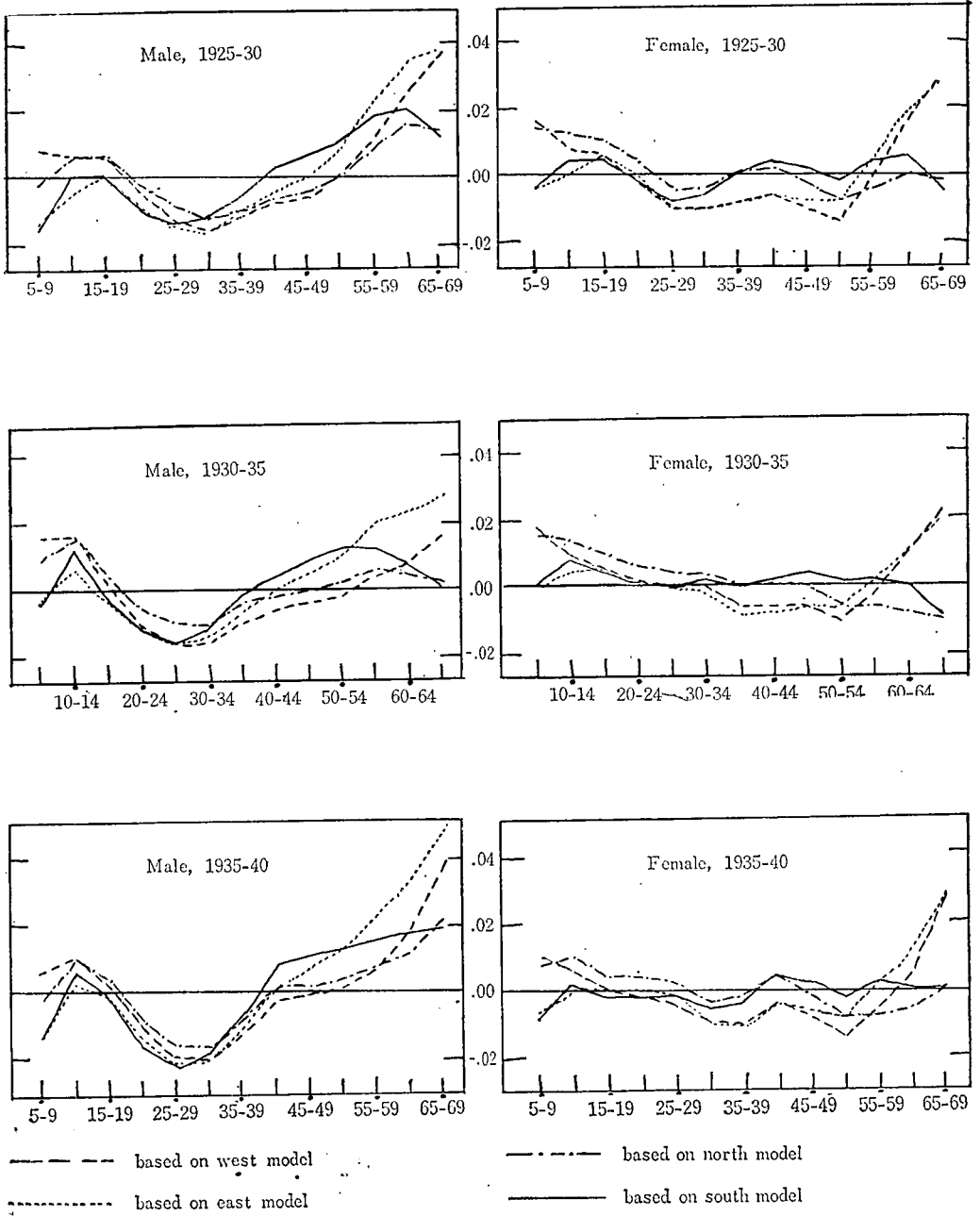


Figure 3. Differences between Estimated Proportions Surviving from Regional Model Life Tables and Graduated Census Survival Ratios Based on Regional Model Life Tables, 1925-40



graduated survival ratios are derived which correspond to the four families of regional life tables. Then each set of graduated ratios is compared to the corresponding regional model life survival ratios by taking ${}_nS'_x - {}_n\bar{S}_x$ values which are plotted in Figure 3. In order to see the trends in broad age groups, say child ages (5-14), adult working ages (15-49) and old ages (50 and over), the absolute sum of ${}_nS'_x - {}_n\bar{S}_x$ values regardless of the sign in each broad age group is computed and presented in Table 1.

The following are evident from Figure 3 and Table 1.

1. The pattern of the $S' - \bar{S}$ curve is highly consistent in each regional set for males and females separately during the colonial period between 1925 and 1940, and one regional pattern of the curve is distinctive from the others.
2. For males, as mentioned above, the \bar{S} values (graduated ratios) match closely to the S' values (estimated model ratios) in the east models for almost all ages. For females, the south models generally reveal less deviations from the graduated survival ratios. However, in young adult working ages, the east models show only slight difference from the south models, and the S' values from the north models are closer to the \bar{S} values in the child ages under 15 than those from the south models are. In addition when the differences between the census and the estimated model survival ratios for the ages 0-4 for females are considered, as mentioned above, suffice it to say that for the ages under 15 for females, the proportions surviving from the north model life tables are closest to the census survival ratios.

Table 1. Absolute Sums of Differences in Broad Age Groups between Graduated Survival Ratios and Corresponding Model Life Table Proportions Surviving for Quinquennial Age Groups, 1925-40

| | Male | | | | Female | | | |
|---------|------|-------|------|-------|--------|-------|------|-------|
| | 5-14 | 15-49 | 50+ | Total | 5-14 | 15-49 | 50+ | Total |
| 1925-30 | | | | | | | | |
| west | .017 | .057 | .073 | .147 | .025 | .047 | .061 | .133 |
| north | .016 | .050 | .105 | .172 | .004 | .045 | .057 | .106 |
| east | .008 | .041 | .042 | .092 | .028 | .028 | .013 | .069 |
| south | .016 | .046 | .063 | .124 | .009 | .028 | .018 | .052 |
| 1930-35 | | | | | | | | |
| west | .034 | .058 | .032 | .124 | .030 | .026 | .043 | .099 |
| north | .008 | .055 | .087 | .151 | .005 | .028 | .039 | .073 |
| east | .028 | .034 | .019 | .081 | .031 | .031 | .025 | .086 |
| south | .015 | .055 | .037 | .107 | .008 | .019 | .014 | .042 |
| 1935-40 | | | | | | | | |
| west | .019 | .065 | .074 | .158 | .017 | .031 | .053 | .101 |
| north | .015 | .077 | .124 | .216 | .007 | .029 | .052 | .088 |
| east | .013 | .057 | .049 | .120 | .019 | .021 | .022 | .062 |
| south | .021 | .078 | .071 | .170 | .011 | .019 | .005 | .035 |

2. CONSTRUCTION OF LIFE TABLES FOR 1925-40 and for 1955-70

From the above discussion, we can conclude that in applying the Coale and Demeny method of estimating mortality to the Korean censuses, model life tables are not the most suitable for obtaining somewhat precise mortality rates specified by age and sex. But regional model life tables could be used with some revision in the method to allow the

pattern of Korean mortality to be observed from the census, or with the method being incorporated into another method which is designed to render an estimation of specific mortality closer to the observed pattern from census survival ratios.

In this study, two attempts are made to construct life tables for 1925-70 using census survival ratios and the proportions surviving in regional model life tables. One of them is a slightly revised application of the Coale and Demeny method. The other attempt is to graduate census survival ratios using the proportions surviving in regional model life tables as standard which are obtained by the Coale and Demeny method, and to construct life tables from graduated survival ratios only.

A Revised Application of the Coale and Demeny Method

The first attempt is based on the findings from the observation of the levels of mortality for the age x and over corresponding to the census survival ratios for the same ages. As mentioned earlier, the north family of regional model life tables manifests highly consistent downward curves of mortality levels for both males and females and the least fluctuation in the curves. Taking this to reflect the real difference in the pattern between actual survival ratios and those estimated by adopting north model life tables, we have allowed for this downward trend in estimating mortality and constructing life tables. To do this, it is supposed here that each quinquennial age group is subject to a different level of mortality in the north model life tables instead of applying one selected level to all ages.

In determining mortality levels for each quinquennial age group, the first eleven mortality levels from the age 0 and over to the age 50 and over are used, and the third, sixth and ninth highest levels among the eleven estimated levels from the north model are chosen to represent the highest, middle and lowest levels respectively in the actual mortality. Then the highest level is, admittedly arbitrary, assumed to be observed in the first quinquennial age group 0-4, the middle in 35-39 and the lowest in the age 70 and onwards. For the other ages, the levels of mortality in the north model life tables are linearly interpolated. The P_x values (proportions surviving) and m_x values (specific death rates) are obtained from this series of mortality levels by reading the points the levels indicate in north model life tables. Discrepancies between P_x and m_x values thus derived are such that they could be easily removed by adjusting m_1 to m_{80} values proportionately over the degree of difference. The maximum discrepancy observed is equivalent to about 1% of m_x values.

To construct life tables, L_x values are first computed from the estimated P_x values according to the following formulas;

- 1) ${}_5L_0 = l_0 \cdot {}_5P_0 \cdot 5,$
- 2) when $5 \leq x < 80,$ ${}_5L_x = {}_5L_{x-5} \cdot {}_5P_{x-5},$ and
- 3) ${}_{\infty}L_{80} = {}_5L_{75} \cdot {}_{\infty}P_{75} / (1 - {}_{\infty}P_{75}),$

where ${}_nL_x$ is the person years lived from the exact age x to the exact age $x+n,$

l_0 is the initial size of the birth cohort (assumed as 100,000), and

${}_n P_x$ is the proportion surviving for the ages x to $x+n$ for the next five years.

${}_1L_0$ values are adopted from the north model life tables selected for the ages 0-4. All the other life table functions could be easily obtained from the estimated ${}_nL_x$ and m_x values following the established relationships among the life table functions.

Life Table Construction from Graduated Survival Ratios

The second attempt is based on the observations of the pattern of census survival ratios

in relation with the proportions surviving in regional life tables. We have tried here to construct life tables directly from graduated survival ratios. As demonstrated earlier, the graduation for 1925-40 is highly desirable. However, for the years since 1955, the graduation based on the formula given above is found to be unsatisfactory. So instead of smoothing census survival ratios using the above given formula, a set of graduation factors is introduced which is to be applied to the model life table survival ratios chosen as standard for graduation. The calculation of graduation factors is based on the combined experience of 1925-40, and it is assumed that the differences in survival ratios between the census and the standard model life tables are linearly decreasing with the survival ratios approaching to 1 and the two survival ratios agree exactly when they become 1. On the ground of the previous observation, east model life tables are employed as standard for the graduation of male survival ratios. For females, north model life tables are adopted for the graduation of the ages 0-14 and south model life tables for the age 15 and onwards.

The graduation of census survival ratios up to the ages 65-69 are carried out by the formula,

$${}_n\bar{S}_x = {}_nS'_x + {}_ng_x(1 - {}_nS'_x)$$

where ${}_n\bar{S}_x$ is the graduated survival ratio for the ages x to $x+n$,

${}_nS'_x$ is the survival ratio in the standard model life table for the ages x to $x+n$, and

${}_ng_x$ is the graduation factor for the ages x to $x+n$.

The ${}_nS'_x$ values in the formula are calculated exactly following the above mentioned Coale and Demeny method of estimating mortality. The graduation factors (${}_ng_x$) are computed as;

$${}_ng_x = ({}_nS'_x - {}_nS_x)/(1 - {}_nS_x)$$

where ${}_nS'_x$ is the average proportion of surviving in the standard model life table for the ages x to $x+n$ for the intercensal periods between 1925 and 1940, and

${}_nS_x$ is the average census survival ratio for the ages x to $x+n$ for the intercensal periods between 1925 and 1940.

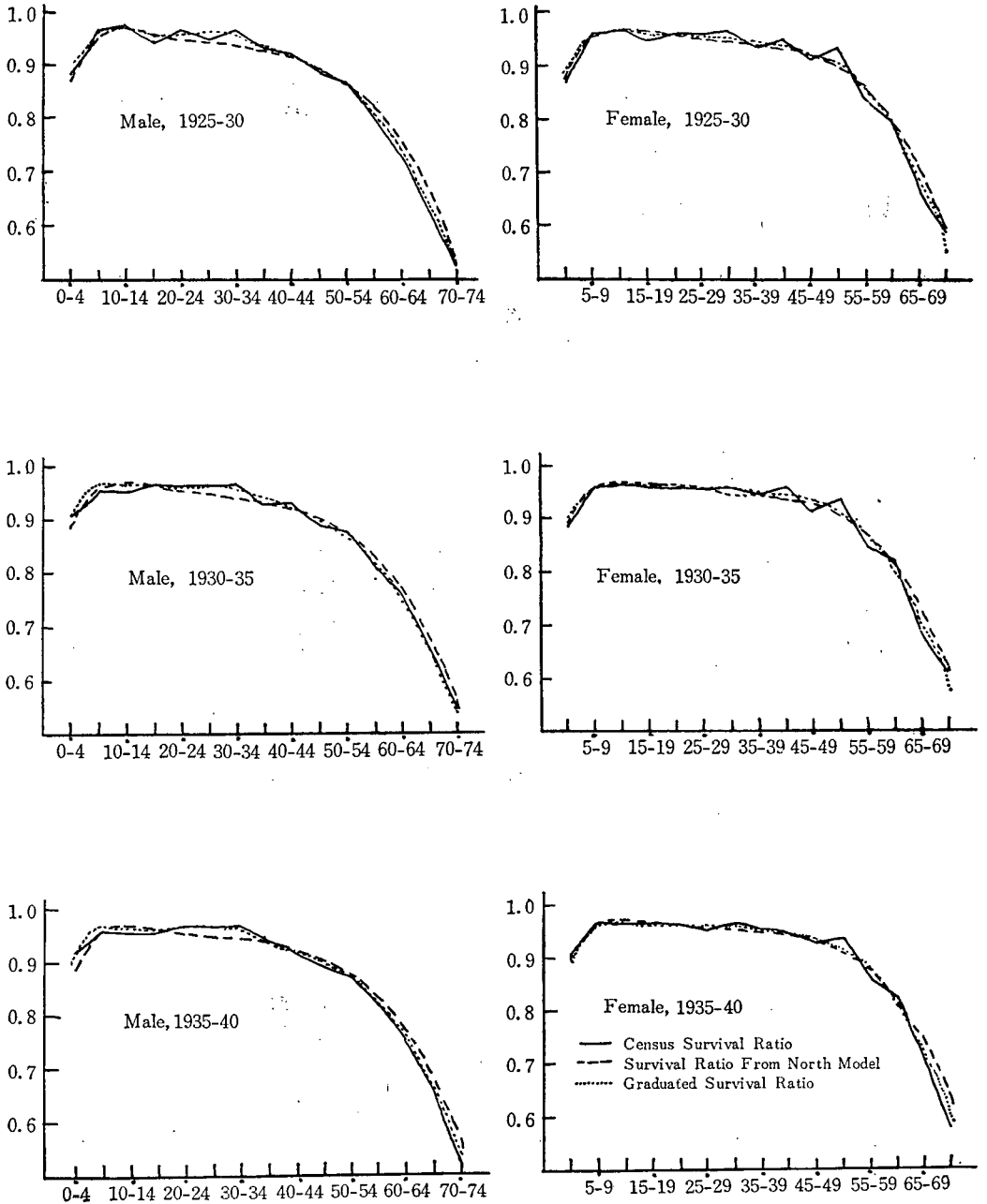
The ${}_ng_x$ values thus derived are presented in Table 2. The graduated survival ratios for the age 70 and onwards are obtained from the standard model life tables by applying the same level of mortality and the same adjustment factors assigned to the ages 65-69.

Table 2. Graduation Factors for Korean Censuses Survival Ratios, 1925-70

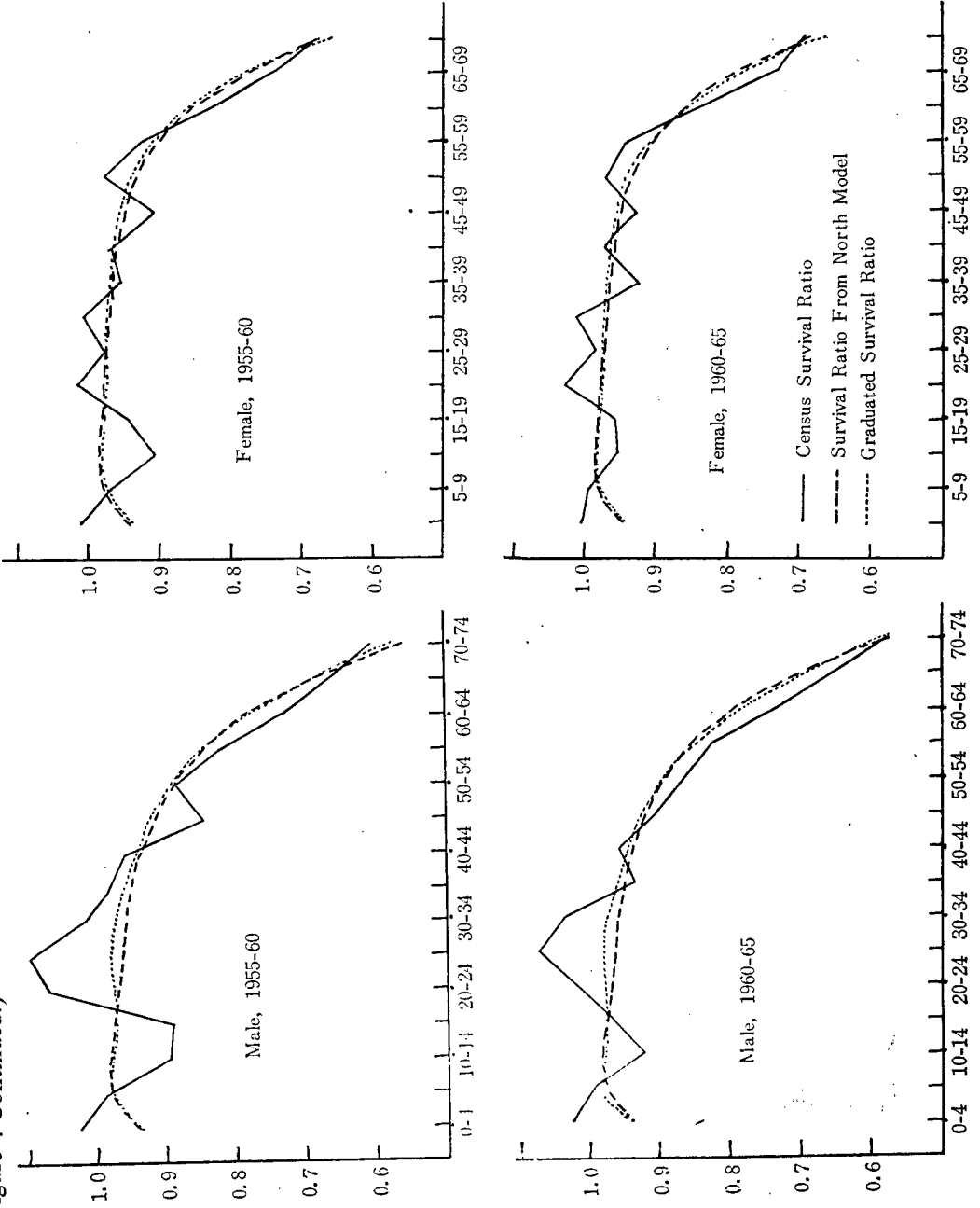
| Age | Males | Females | Age | Males | Females |
|-------|----------|----------|-------|----------|----------|
| 0-4 | 0.19205 | 0.02028 | 35-39 | 0.09776 | -0.03132 |
| 5-9 | -0.09053 | 0.05385 | 40-44 | 0.01017 | -0.08009 |
| 10-14 | -0.50401 | -0.07769 | 45-49 | -0.00786 | -0.05576 |
| 15-19 | -0.15393 | -0.08491 | 50-54 | -0.02458 | -0.00519 |
| 20-24 | 0.10824 | 0.01467 | 55-59 | -0.04866 | -0.02478 |
| 25-29 | 0.23839 | 0.06061 | 60-64 | -0.04774 | -0.01457 |
| 30-34 | 0.22170 | 0.04912 | 65-69 | -0.04001 | 0.01004 |

Then, the graduated survival ratios (${}_5\bar{S}_x$) are utilized to obtain all the life table functions. From ${}_5\bar{S}_x$ ($= {}_5P_x$ in life table) values, ${}_nL_x$ and l_x values are calculated. Once l_x and ${}_nL_x$ values are known, the other functions become a matter of automatic computation. The most important part of this whole procedure is to calculate ${}_nL_x$ values. The ${}_1L_x$ and ${}_5L_x$ values are calculated following the steps summarized below.

Figure 4. Census Survival Ratios and Proportions Surviving from Two Sets of Korean Life Tables Based on Census Age Distributions, 1925-65



(Figure 4 Continued.)



1. Letting ${}_nL'_x$ be temporary substitute for ${}_nL_x$ and assuming ${}_5L'_0$ equals to A (any number), ${}_5L'_x$ values are computed by the formula, ${}_5L'_x = {}_5L'_{x-5} \times {}_5P_{x-5}$
2. Applying Sprague multipliers to the ${}_5L_x$ values, ${}_1L'_x$ values are obtained. It is, however, found that Sprague multipliers are not suitable for estimating ${}_1L'_0 - {}_1L'_4$ from ${}_5L'_0$. So another method is developed to separate ${}_1L'_0 - {}_1L'_4$ from ${}_5L'_0$.
3. This method is based on the principle that if the pattern in the number of deaths for six-month-of-age groups is constant, a constant proportional relationship is found among the single year of age distribution of a stationary population. The pattern in the number of deaths of six-month-of-age groups could be easily expressed by a series of separation factors for ${}_1L_x$ values (f_x).¹² The separation factors for Korea are never known, but could be reasonably assumed from the Japanese experiences between 1910 and 1960. The Korean censuses manifest very similar sex pattern of infant and child mortality under age 5 to those from the official life tables of Japan which are very distinctive from the patterns in other countries. The f_x values for the ages 0-4 had changed little in Japan during 1920-40, whereas there was a considerable drop in f_0 value after 1950. However, in Korea, any significant changes in f_x values are unlikely to have happened until 1970 considering that the mortality for the ages 5-14 in Korea during 1965-70¹³ was still around the level in the 1940s in Japan. Therefore, the average Japanese experiences between 1920-40 are adopted as the f_x values for Korea during the forty five years between 1925 and 1970 for the ages 0-3, and those observed in the United States in 1910-11 are employed for the ages 4-5. The separation factors adopted in this study are as follows:

| | Male | Female | | Male | Female |
|-----------|------|--------|-----------|------|--------|
| f_0 | .24 | .25 | f_3 | .47 | .47 |
| $f_{0.5}$ | .37 | .38 | $f_{3.5}$ | .48 | .48 |
| f_1 | .40 | .41 | f_4 | .48 | .48 |
| $f_{1.5}$ | .43 | .43 | $f_{4.5}$ | .49 | .49 |
| f_2 | .45 | .45 | f_5 | .49 | .49 |
| $f_{2.5}$ | .46 | .46 | - | - | - |

4. Provided the proportion of ${}_1L_5$ (population at age 5) to ${}_6L_0$ (population at ages 0-5) is known, the proportional single year of age distribution of ${}_6L_0$ could be computed by the formula,

$$R_x = 1/6 + k_x [1 - 6R_5],$$

where R_x is the proportion of ${}_1L_x$ to ${}_6L_0$, and k_x is the adjustment factor for ${}_1L_x$ derived from the proportional distributions of deaths in the ages 0-5 by six-month-of-age groups. The general base of this equation is discussed in Appendix. The values for k_x conforming to the above given separation factors (f_x values) are computed as:

| | Male | Female | | Male | Female |
|-------|----------|----------|-------|----------|----------|
| k_0 | 0.30034 | 0.29252 | k_3 | -0.07596 | -0.07463 |
| k_1 | 0.08088 | 0.08451 | k_4 | -0.12450 | -0.12388 |
| k_2 | -0.01409 | -0.01185 | | | |

12. $f_x = (L_x - l_{x+1}) / (l_x - l_{x+1})$

13. Can be calculated from ${}_1L'_5$ to ${}_1L'_{14}$ values with an assumption that the separation factors for these ages are .5.

From the above steps 1 and 2, the values for ${}_1L'_5$ and ${}_6L'_0$ are available and accordingly the value for R_5 becomes known. As a result, the values for ${}_1L'_0 - {}_1L'_4$ are now a matter of simple calculation using the above formula.

5. Applying f_1 to ${}_1L'_0$ and ${}_1L'_1$, the value for l'_1 can be computed. Then, from ${}_1L'_0$ and l'_1 the value for l'_0 can be obtained using f_0 . Finally ${}_nL'_x$ values can be converted to ${}_nL_x$ values by applying a conversion factor ($c = l_0 (=100,000)/l'_0$) to all the ${}_nL'_x$ values.

After having ${}_1L_x$ values, l_x values are calculated on the basis of the above given separation factors (f_x) for the ages 0-5 and assuming separation factors being 0.5 for other ages. In constructing life tables for both sexes, the masculinity ratio at birth is supposed as 1.05.

Some Remarks on the Quality of the Estimates

As expected from the earlier discussions and as is evident from Figure 4, the graduated survival ratios are very close to the actual census survival ratios for the colonial intercensal periods between 1925 and 1940. In these periods, the estimated survival ratios based on north model life tables disagree, though not significantly, with either the census or the graduated survival ratios. The graduated survival ratios for these periods reveal higher mortality than the estimated north survival ratios for the adult working ages and lower mortality for old ages. This trend is more obvious for males. Again for males, some discrepancies are seen for the ages 0-4 between the graduated and the estimated model ratios during the colonial period. The graduated ratios usually manifest higher mortality.

On the other hand, the graduated survival ratios and the estimated survival ratios from the north model are in close agreement with each other for both males and females after 1955. The only marked exception is the ratios for males aged 20-39. Lower mortality is observed from the graduated ratios.

Consequently, the two kinds of life tables agree closely in the case of females throughout the entire period, while significant differences are seen for males, particularly during the colonial period. In other words, the decision as to which life tables represent the Korean mortality more closely is of greater importance for males than for females and for the earlier years than the later years. If Korean census survival ratios for 1925-40 are substantially erroneous, the life tables based on the estimated survival ratios from north model life tables might be considered to be more desirable. Otherwise, if the census survival ratios prior to 1940 are only subject to minor errors and the pattern of mortality in this period could be extended to the years after 1955, the life tables based on graduated survival ratios could be more highly recommended. It should not be overlooked, however, that the pattern of infant and child mortality under age 5 has also a great significance on this matter.

3. RESULTING LIFE TABLES FOR KOREA, 1925-70

Two sets of life tables for Korea constructed by adopting the above mentioned methods are presented in the following tables.

Table I.1 Abridged Life Table for Korea, 1925–1930*

| Female | | | | | | | | |
|--------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 18836 | 0.18836 | 0.21935 | 85873 | 0.76409 | 3719320 | 37.19 |
| 1 | 81164 | 11292 | 0.13913 | 0.03813 | 296172 | 0.87312 | 3633448 | 44.77 |
| 5 | 69872 | 5259 | 0.07527 | 0.01577 | 333571 | 0.95404 | 3337276 | 47.76 |
| 10 | 64612 | 2141 | 0.03314 | 0.00673 | 318240 | 0.96315 | 3003706 | 46.49 |
| 15 | 62471 | 2486 | 0.03979 | 0.00811 | 306512 | 0.95589 | 2685466 | 42.99 |
| 20 | 59985 | 2756 | 0.04594 | 0.00941 | 292992 | 0.95355 | 2378954 | 39.66 |
| 25 | 57230 | 2673 | 0.04670 | 0.00957 | 279383 | 0.95294 | 2085961 | 36.45 |
| 30 | 54557 | 2624 | 0.04809 | 0.00986 | 266235 | 0.94979 | 1806579 | 33.11 |
| 35 | 51933 | 2780 | 0.05353 | 0.01099 | 252867 | 0.94263 | 1540344 | 29.66 |
| 40 | 49153 | 2970 | 0.06042 | 0.01246 | 238360 | 0.93609 | 1287476 | 26.19 |
| 45 | 46183 | 3161 | 0.06845 | 0.01417 | 223127 | 0.92502 | 1049116 | 22.72 |
| 50 | 43021 | 3550 | 0.08251 | 0.01720 | 206397 | 0.90441 | 825989 | 19.20 |
| 55 | 39472 | 4592 | 0.11633 | 0.02460 | 186667 | 0.85529 | 619593 | 15.70 |
| 60 | 34880 | 6229 | 0.17859 | 0.03902 | 159655 | 0.78180 | 4329225 | 12.41 |
| 65 | 28651 | 7568 | 0.26414 | 0.06063 | 124818 | 0.68415 | 273271 | 9.54 |
| 70 | 21083 | 7935 | 0.37635 | 0.09292 | 85394 | 0.54712 | 148453 | 7.04 |
| 75 | 13148 | 7813 | 0.59426 | 0.16724 | 46721 | 0.34969 | 63059 | 4.80 |
| 80 | 5335 | 5335 | 1.00000 | 0.32652 | 16338 | 0.0 | 16338 | 3.06 |

| Male | | | | | | | | |
|------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 18421 | 0.18421 | 0.21419 | 86000 | 0.77463 | 3785219 | 37.85 |
| 1 | 81579 | 9851 | 0.12076 | 0.03269 | 301313 | 0.89266 | 3699218 | 45.34 |
| 5 | 71728 | 4178 | 0.05825 | 0.01209 | 345739 | 0.96642 | 3397905 | 47.37 |
| 10 | 67550 | 1930 | 0.02858 | 0.00578 | 334129 | 0.96196 | 3052166 | 45.18 |
| 15 | 65620 | 2736 | 0.04170 | 0.00851 | 321419 | 0.95657 | 2718036 | 41.42 |
| 20 | 62883 | 2687 | 0.04273 | 0.00874 | 307460 | 0.95962 | 2396617 | 38.11 |
| 25 | 60196 | 2276 | 0.03780 | 0.00771 | 295045 | 0.96312 | 2089157 | 34.71 |
| 30 | 57921 | 2242 | 0.03870 | 0.00789 | 284163 | 0.95581 | 1794113 | 30.98 |
| 35 | 55679 | 2919 | 0.05242 | 0.01075 | 271606 | 0.93704 | 1509949 | 27.12 |
| 40 | 52760 | 3897 | 0.07387 | 0.01531 | 254506 | 0.91488 | 1238343 | 23.47 |
| 45 | 48863 | 4689 | 0.09596 | 0.02014 | 232842 | 0.89205 | 983837 | 20.13 |
| 50 | 44174 | 5408 | 0.12242 | 0.02603 | 207707 | 0.85942 | 750995 | 17.00 |
| 55 | 38766 | 6333 | 0.16336 | 0.03548 | 178508 | 0.80892 | 543288 | 14.01 |
| 60 | 32433 | 7273 | 0.22425 | 0.05037 | 144398 | 0.73741 | 364780 | 11.25 |
| 65 | 25160 | 7785 | 0.30941 | 0.07311 | 106481 | 0.63943 | 220382 | 8.76 |
| 70 | 17376 | 7233 | 0.41625 | 0.10622 | 68087 | 0.51575 | 113901 | 6.56 |
| 75 | 10143 | 6295 | 0.62060 | 0.17926 | 35116 | 0.30466 | 45814 | 4.52 |
| 80 | 3848 | 3848 | 1.00000 | 0.35971 | 10698 | 0.0 | 10698 | 2.78 |

| Both Sexes | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 18623 | 0.18623 | 0.21671 | 85938 | 0.76949 | 3753073 | 37.53 |
| 1 | 81377 | 10554 | 0.12969 | 0.03532 | 298805 | 0.88320 | 3667135 | 45.06 |
| 5 | 70823 | 4706 | 0.06644 | 0.01385 | 339803 | 0.96049 | 3368330 | 47.56 |
| 10 | 66117 | 2033 | 0.03075 | 0.00623 | 326378 | 0.96253 | 3028527 | 45.81 |
| 15 | 64084 | 2614 | 0.04079 | 0.00832 | 314148 | 0.95625 | 2702148 | 42.17 |
| 20 | 61470 | 2720 | 0.04426 | 0.00906 | 300402 | 0.95673 | 2388001 | 38.85 |
| 25 | 58749 | 2469 | 0.04203 | 0.00859 | 287405 | 0.95829 | 2087598 | 35.53 |
| 30 | 56280 | 2428 | 0.04314 | 0.00882 | 275418 | 0.95297 | 1800194 | 31.99 |
| 35 | 53852 | 2851 | 0.05295 | 0.01086 | 262465 | 0.93967 | 1524776 | 28.31 |
| 40 | 51000 | 3445 | 0.06755 | 0.01397 | 246630 | 0.92488 | 1262311 | 24.75 |
| 45 | 47556 | 3944 | 0.08293 | 0.01729 | 228103 | 0.90778 | 1015681 | 21.36 |
| 50 | 43612 | 4501 | 0.10321 | 0.02174 | 207068 | 0.88130 | 787578 | 18.06 |
| 55 | 39110 | 5484 | 0.14021 | 0.03005 | 182488 | 0.83206 | 580510 | 14.84 |
| 60 | 33627 | 6764 | 0.20115 | 0.04455 | 151840 | 0.76018 | 398022 | 11.84 |
| 65 | 26863 | 7679 | 0.28586 | 0.06653 | 115426 | 0.66302 | 246181 | 9.16 |
| 70 | 19184 | 7575 | 0.39486 | 0.09898 | 76530 | 0.53282 | 130756 | 6.82 |
| 75 | 11609 | 7036 | 0.60605 | 0.17254 | 40777 | 0.24802 | 54226 | 4.67 |
| 80 | 4573 | 4573 | 1.00000 | 0.34004 | 13449 | 0.0 | 13449 | 2.94 |

*Calculated from graduated census survival ratios.

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table I.2 Abridged Life Table for Korea, 1930–1935*

| Female | | | | | | | | |
|--------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 17101 | 0.17101 | 0.19617 | 87174 | 0.78582 | 4004937 | 40.05 |
| 1 | 82899 | 10252 | 0.12367 | 0.03353 | 305737 | 0.88780 | 3917763 | 47.28 |
| 5 | 72647 | 4815 | 0.06628 | 0.01380 | 348826 | 0.95924 | 3612026 | 49.72 |
| 10 | 67832 | 2014 | 0.02969 | 0.00602 | 334608 | 0.96705 | 3263200 | 48.11 |
| 15 | 65818 | 2339 | 0.03554 | 0.00723 | 323583 | 0.96068 | 2928591 | 44.50 |
| 20 | 63478 | 2601 | 0.04097 | 0.00837 | 310860 | 0.95852 | 2605008 | 41.04 |
| 25 | 60878 | 2541 | 0.04174 | 0.00853 | 297965 | 0.95790 | 2294149 | 37.68 |
| 30 | 58337 | 2511 | 0.04305 | 0.00880 | 285421 | 0.95499 | 1996184 | 34.22 |
| 35 | 55825 | 2686 | 0.04811 | 0.00985 | 272574 | 0.94827 | 1710763 | 30.65 |
| 40 | 53140 | 2906 | 0.05469 | 0.01124 | 258474 | 0.94190 | 1438189 | 27.06 |
| 45 | 50233 | 3137 | 0.06244 | 0.01288 | 243456 | 0.93139 | 1179715 | 23.48 |
| 50 | 47097 | 3569 | 0.07579 | 0.01574 | 226753 | 0.91216 | 936258 | 19.88 |
| 55 | 43527 | 4618 | 0.10609 | 0.02233 | 206835 | 0.86825 | 709505 | 16.30 |
| 60 | 38909 | 6374 | 0.16382 | 0.03549 | 179584 | 0.79797 | 502670 | 12.92 |
| 65 | 32535 | 7996 | 0.24575 | 0.05580 | 143303 | 0.70466 | 323086 | 9.93 |
| 70 | 24540 | 8657 | 0.35276 | 0.08573 | 100980 | 0.57135 | 179783 | 7.33 |
| 75 | 15883 | 9140 | 0.57542 | 0.15841 | 57695 | 0.36586 | 78803 | 4.96 |
| 80 | 6744 | 6744 | 1.00000 | 0.31948 | 21108 | 0.0 | 21108 | 3.13 |

| Male | | | | | | | | |
|------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 16680 | 0.16680 | 0.19101 | 87323 | 0.79593 | 4037044 | 40.37 |
| 1 | 83320 | 8920 | 0.10706 | 0.02872 | 310639 | 0.90524 | 3949720 | 47.40 |
| 5 | 74400 | 3820 | 0.05134 | 0.01060 | 360252 | 0.96996 | 3639081 | 48.91 |
| 10 | 70580 | 1835 | 0.02600 | 0.00525 | 349430 | 0.96550 | 3278829 | 46.46 |
| 15 | 68745 | 2605 | 0.03790 | 0.00772 | 337375 | 0.96050 | 2929399 | 42.61 |
| 20 | 66140 | 2570 | 0.03886 | 0.00793 | 324048 | 0.96330 | 2592024 | 39.19 |
| 25 | 63570 | 2183 | 0.03434 | 0.00699 | 312156 | 0.96651 | 2267976 | 35.68 |
| 30 | 61387 | 2157 | 0.03514 | 0.00715 | 301702 | 0.95986 | 1955821 | 31.86 |
| 35 | 59230 | 2822 | 0.04764 | 0.00974 | 289591 | 0.94268 | 1654119 | 27.93 |
| 40 | 56408 | 3804 | 0.06743 | 0.01393 | 272992 | 0.92195 | 1364528 | 24.19 |
| 45 | 52605 | 4651 | 0.08841 | 0.01848 | 251685 | 0.89994 | 1091536 | 20.75 |
| 50 | 47954 | 5472 | 0.11410 | 0.02416 | 226501 | 0.86822 | 839851 | 17.51 |
| 55 | 42482 | 6534 | 0.15581 | 0.03323 | 196653 | 0.81937 | 613349 | 14.44 |
| 60 | 35948 | 7642 | 0.21258 | 0.04743 | 161132 | 0.75029 | 416697 | 11.59 |
| 65 | 28306 | 8354 | 0.29512 | 0.06910 | 120895 | 0.65491 | 255565 | 9.03 |
| 70 | 19952 | 7959 | 0.39890 | 0.10052 | 79176 | 0.53314 | 134670 | 6.75 |
| 75 | 11993 | 7284 | 0.60731 | 0.17255 | 42212 | 0.31466 | 55494 | 4.63 |
| 80 | 4710 | 4710 | 1.00000 | 0.35458 | 13282 | 0.0 | 13282 | 2.82 |

| Both Sexes | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 16885 | 0.16885 | 0.19353 | 87251 | 0.79100 | 4021382 | 40.21 |
| 1 | 83115 | 9570 | 0.11514 | 0.03105 | 308248 | 0.89679 | 3934131 | 47.33 |
| 5 | 73545 | 4305 | 0.05854 | 0.01214 | 354678 | 0.96482 | 3625883 | 49.30 |
| 10 | 69240 | 1922 | 0.02776 | 0.00562 | 342200 | 0.96624 | 3271205 | 47.24 |
| 15 | 67317 | 2476 | 0.03678 | 0.00749 | 330647 | 0.96059 | 2929005 | 43.51 |
| 20 | 64842 | 2585 | 0.03986 | 0.00814 | 317615 | 0.96102 | 2598358 | 40.07 |
| 25 | 62257 | 2358 | 0.03787 | 0.00772 | 305234 | 0.96241 | 2280743 | 36.63 |
| 30 | 59899 | 2330 | 0.03890 | 0.00793 | 293760 | 0.95755 | 1975510 | 32.98 |
| 35 | 57569 | 2755 | 0.04786 | 0.00979 | 281290 | 0.94532 | 1681750 | 29.21 |
| 40 | 54814 | 3366 | 0.06141 | 0.01266 | 265910 | 0.93141 | 1400460 | 25.55 |
| 45 | 51448 | 3912 | 0.07604 | 0.01580 | 247671 | 0.91502 | 1134550 | 22.05 |
| 50 | 47536 | 4544 | 0.09558 | 0.02005 | 226624 | 0.88967 | 886879 | 18.66 |
| 55 | 42992 | 5599 | 0.13024 | 0.02777 | 201620 | 0.84383 | 660255 | 15.36 |
| 60 | 37393 | 7023 | 0.18783 | 0.04128 | 170133 | 0.77484 | 458635 | 12.27 |
| 65 | 30369 | 8179 | 0.26932 | 0.06204 | 131826 | 0.68129 | 288502 | 9.50 |
| 70 | 22190 | 8299 | 0.37401 | 0.09241 | 89812 | 0.55410 | 156676 | 7.06 |
| 75 | 13891 | 8189 | 0.58953 | 0.16456 | 49764 | 0.25574 | 66864 | 4.81 |
| 80 | 5702 | 5702 | 1.00000 | 0.33344 | 17100 | 0.0 | 17100 | 3.00 |

*Calculated from graduated census survival ratios.

P(0)=Proportion surviving from birth to 0-4.

P(1)=5L5/5L0

P(75)=T(80)/T(75)

Table I.3 Abridged Life Table for Korea, 1935-1940*

| Female | | | | | | | | |
|--------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 16080 | 0.16080 | 0.18285 | 87940 | 0.79861 | 4167188 | 41.67 |
| 1 | 83920 | 9840 | 0.11487 | 0.03096 | 311366 | 0.89609 | 4079247 | 48.61 |
| 5 | 74281 | 4549 | 0.06124 | 0.01271 | 357814 | 0.96219 | 3767881 | 50.72 |
| 10 | 69732 | 1929 | 0.02767 | 0.00560 | 344285 | 0.96927 | 3410067 | 48.90 |
| 15 | 67802 | 2265 | 0.03340 | 0.00679 | 333705 | 0.96283 | 3065782 | 45.22 |
| 20 | 65537 | 2542 | 0.03879 | 0.00791 | 321302 | 0.96074 | 2732076 | 41.69 |
| 25 | 62996 | 2490 | 0.03952 | 0.00807 | 308687 | 0.96012 | 2410775 | 38.27 |
| 30 | 60506 | 2469 | 0.04080 | 0.00833 | 296377 | 0.95731 | 2102087 | 34.74 |
| 35 | 58037 | 2651 | 0.04569 | 0.00935 | 283725 | 0.95079 | 1805711 | 31.11 |
| 40 | 55386 | 2887 | 0.05212 | 0.01070 | 269762 | 0.94452 | 1521986 | 27.48 |
| 45 | 52409 | 3136 | 0.05973 | 0.01231 | 254796 | 0.93425 | 1252224 | 23.85 |
| 50 | 49363 | 3595 | 0.07282 | 0.01510 | 238043 | 0.91564 | 997428 | 20.21 |
| 55 | 45768 | 4628 | 0.10112 | 0.02123 | 217962 | 0.87473 | 759385 | 16.59 |
| 60 | 41140 | 6450 | 0.15678 | 0.03383 | 190658 | 0.80524 | 541423 | 13.16 |
| 65 | 34690 | 8241 | 0.23755 | 0.05368 | 153525 | 0.71388 | 350765 | 10.11 |
| 70 | 26450 | 9049 | 0.34213 | 0.08257 | 109599 | 0.58224 | 197240 | 7.46 |
| 75 | 17400 | 9865 | 0.56694 | 0.15459 | 63813 | 0.37341 | 87641 | 5.04 |
| 80 | 7535 | 7535 | 1.00000 | 0.31623 | 23828 | 0.0 | 23828 | 3.16 |

| Male | | | | | | | | |
|------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 16650 | 0.16650 | 0.19062 | 87346 | 0.79630 | 4041463 | 40.41 |
| 1 | 83350 | 8904 | 0.10683 | 0.02865 | 310801 | 0.90545 | 3954117 | 47.44 |
| 5 | 74446 | 3814 | 0.05123 | 0.01058 | 360503 | 0.97001 | 3643315 | 48.94 |
| 10 | 70632 | 1834 | 0.02596 | 0.00524 | 349691 | 0.96556 | 3282813 | 46.48 |
| 15 | 68799 | 2603 | 0.03783 | 0.00771 | 337648 | 0.96057 | 2933121 | 42.63 |
| 20 | 66196 | 2567 | 0.03878 | 0.00792 | 324335 | 0.96337 | 2595473 | 39.21 |
| 25 | 63628 | 2181 | 0.03427 | 0.00698 | 312454 | 0.96657 | 2271138 | 35.69 |
| 30 | 61448 | 2155 | 0.03508 | 0.00714 | 302009 | 0.95993 | 1958684 | 31.88 |
| 35 | 59292 | 2820 | 0.04756 | 0.00973 | 289907 | 0.94277 | 1656675 | 27.94 |
| 40 | 56472 | 3802 | 0.06733 | 0.01391 | 273316 | 0.92207 | 1366768 | 24.20 |
| 45 | 52670 | 4650 | 0.08828 | 0.01845 | 252016 | 0.90007 | 1093452 | 20.76 |
| 50 | 48020 | 5473 | 0.11397 | 0.02413 | 226832 | 0.86836 | 841436 | 17.52 |
| 55 | 42548 | 6538 | 0.15365 | 0.03319 | 196972 | 0.81955 | 614603 | 14.45 |
| 60 | 36010 | 7648 | 0.21238 | 0.04738 | 161429 | 0.75051 | 417631 | 11.60 |
| 65 | 28362 | 8363 | 0.29488 | 0.06903 | 121154 | 0.65517 | 256202 | 9.03 |
| 70 | 19999 | 7972 | 0.39861 | 0.10043 | 79376 | 0.53343 | 135048 | 6.75 |
| 75 | 12027 | 7302 | 0.60709 | 0.17244 | 42342 | 0.31483 | 55672 | 4.63 |
| 80 | 4726 | 4726 | 1.00000 | 0.35450 | 13330 | 0.5 | 13330 | 2.82 |

| Both Sexes | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 16372 | 0.16372 | 0.18681 | 87636 | 0.79743 | 4102792 | 41.03 |
| 1 | 83628 | 9263 | 0.11076 | 0.02978 | 311077 | 0.90088 | 4015156 | 48.01 |
| 5 | 74366 | 4173 | 0.05611 | 0.01162 | 359191 | 0.96621 | 3704079 | 49.81 |
| 10 | 70193 | 1880 | 0.02679 | 0.00542 | 347054 | 0.96736 | 3344888 | 47.65 |
| 15 | 68313 | 2438 | 0.03569 | 0.00726 | 335725 | 0.96167 | 2997834 | 43.88 |
| 20 | 65875 | 2555 | 0.03878 | 0.00791 | 322855 | 0.96209 | 2662109 | 40.41 |
| 25 | 63320 | 2331 | 0.03682 | 0.00751 | 310617 | 0.96344 | 2339254 | 36.94 |
| 30 | 60988 | 2308 | 0.03784 | 0.00771 | 299262 | 0.95866 | 2028637 | 33.26 |
| 35 | 58680 | 2738 | 0.04665 | 0.00954 | 286891 | 0.94664 | 1729376 | 29.47 |
| 40 | 55942 | 3356 | 0.05998 | 0.01236 | 271583 | 0.93295 | 1442484 | 25.79 |
| 45 | 52587 | 3911 | 0.07438 | 0.01544 | 253372 | 0.91684 | 1170902 | 22.27 |
| 50 | 48675 | 4557 | 0.09361 | 0.01962 | 232301 | 0.89199 | 917529 | 18.85 |
| 55 | 44119 | 5606 | 0.12707 | 0.02706 | 207211 | 0.84786 | 685288 | 15.53 |
| 60 | 38513 | 7064 | 0.18341 | 0.04021 | 175687 | 0.77948 | 478017 | 12.41 |
| 65 | 31449 | 8304 | 0.26403 | 0.06063 | 136945 | 0.68728 | 302330 | 9.61 |
| 70 | 23146 | 8497 | 0.36712 | 0.09028 | 94119 | 0.56116 | 165386 | 7.15 |
| 75 | 14648 | 8552 | 0.58383 | 0.16192 | 52815 | 0.25891 | 71267 | 4.87 |
| 80 | 6096 | 6096 | 1.00000 | 0.33039 | 18451 | 0.0 | 18451 | 3.03 |

*Calculated from graduated census survival ratios.

P(0)=Proportion surviving from birth to 0-4.

P(1)=5L5/5L0

P(75)=T(80)/T(75)

Table I.4 Abridged Life Table for Korea, 1940-1945*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 14214 | 0.14214 | 0.15911 | 89339 | 0.82198 | 4475177 | 44.75 |
| 1 | 85786 | 8521 | 0.09933 | 0.02649 | 321649 | 0.91062 | 4385838 | 51.13 |
| 5 | 77264 | 4052 | 0.05244 | 0.01083 | 374254 | 0.96741 | 4064190 | 52.60 |
| 10 | 73213 | 1762 | 0.02407 | 0.00487 | 362057 | 0.97318 | 3689936 | 50.40 |
| 15 | 71451 | 2108 | 0.02950 | 0.00598 | 352346 | 0.96690 | 3327879 | 46.58 |
| 20 | 69343 | 2402 | 0.03463 | 0.00705 | 340684 | 0.96493 | 2975533 | 42.91 |
| 25 | 66941 | 2366 | 0.03534 | 0.00720 | 328736 | 0.96431 | 2634849 | 39.36 |
| 30 | 64576 | 2359 | 0.03653 | 0.00744 | 317003 | 0.96172 | 2306113 | 35.71 |
| 35 | 62217 | 2556 | 0.04109 | 0.00838 | 304868 | 0.95556 | 1989110 | 31.97 |
| 40 | 59661 | 2821 | 0.04728 | 0.00968 | 291320 | 0.94943 | 1684242 | 28.23 |
| 45 | 56840 | 3107 | 0.05467 | 0.01123 | 276588 | 0.93963 | 1392921 | 24.51 |
| 50 | 53732 | 3589 | 0.06679 | 0.01381 | 259890 | 0.92222 | 1116333 | 20.78 |
| 55 | 50144 | 4756 | 0.09484 | 0.01984 | 239676 | 0.88149 | 856443 | 17.08 |
| 60 | 45388 | 6663 | 0.14681 | 0.03154 | 211272 | 0.81901 | 616767 | 13.59 |
| 65 | 38725 | 8576 | 0.22146 | 0.04956 | 173034 | 0.73134 | 405495 | 10.47 |
| 70 | 30149 | 9708 | 0.32202 | 0.07672 | 126547 | 0.60286 | 232461 | 7.71 |
| 75 | 20440 | 11259 | 0.55080 | 0.14758 | 76290 | 0.38831 | 105914 | 5.18 |
| 80 | 9182 | 9182 | 1.00000 | 0.30994 | 29624 | 0.0 | 29624 | 3.23 |
| Male | | | | | | | | |
| 0 | 100000 | 15571 | 0.15571 | 0.17661 | 88166 | 0.80949 | 4202718 | 42.03 |
| 1 | 84429 | 8327 | 0.09863 | 0.02630 | 316581 | 0.91293 | 4114552 | 48.73 |
| 5 | 76102 | 3587 | 0.04714 | 0.00971 | 369506 | 0.97215 | 3797971 | 49.91 |
| 10 | 72515 | 1768 | 0.02439 | 0.00492 | 359215 | 0.96768 | 3428464 | 47.28 |
| 15 | 70747 | 2515 | 0.03555 | 0.00723 | 347606 | 0.96295 | 3069249 | 43.38 |
| 20 | 68232 | 2486 | 0.03644 | 0.00743 | 334727 | 0.96559 | 2721644 | 39.89 |
| 25 | 65745 | 2116 | 0.03219 | 0.00655 | 323209 | 0.96861 | 2386917 | 36.31 |
| 30 | 63629 | 2094 | 0.03291 | 0.00669 | 313063 | 0.96240 | 2063708 | 32.43 |
| 35 | 61535 | 2747 | 0.04465 | 0.00912 | 301292 | 0.94618 | 1750645 | 28.45 |
| 40 | 58787 | 3730 | 0.06346 | 0.01309 | 285077 | 0.92632 | 1449353 | 24.65 |
| 45 | 55057 | 4610 | 0.08373 | 0.01746 | 264072 | 0.90485 | 1164276 | 21.15 |
| 50 | 50447 | 5495 | 0.10892 | 0.02300 | 238946 | 0.87370 | 900204 | 17.84 |
| 55 | 44952 | 6647 | 0.14787 | 0.03184 | 208767 | 0.82587 | 661259 | 14.71 |
| 60 | 38305 | 7865 | 0.20533 | 0.04562 | 172414 | 0.75831 | 452492 | 11.81 |
| 65 | 30440 | 8713 | 0.28622 | 0.06664 | 130743 | 0.66457 | 280077 | 9.20 |
| 70 | 21728 | 8432 | 0.38806 | 0.09704 | 86888 | 0.54399 | 149334 | 6.87 |
| 75 | 13296 | 7965 | 0.59902 | 0.16850 | 47266 | 0.32115 | 62446 | 4.70 |
| 80 | 5331 | 5331 | 1.00000 | 0.35123 | 15180 | 0.0 | 15180 | 2.85 |
| Both Sexes | | | | | | | | |
| 0 | 100000 | 14909 | 0.14909 | 0.16801 | 88738 | 0.81558 | 4335625 | 43.36 |
| 1 | 85091 | 8422 | 0.09897 | 0.02640 | 319053 | 0.91179 | 4246887 | 49.91 |
| 5 | 76669 | 3814 | 0.04974 | 0.01026 | 371822 | 0.96982 | 3927834 | 51.23 |
| 10 | 72855 | 1765 | 0.02423 | 0.00490 | 360601 | 0.97037 | 3556012 | 48.81 |
| 15 | 71090 | 2316 | 0.03258 | 0.00662 | 349918 | 0.96489 | 3195410 | 44.95 |
| 20 | 68774 | 2445 | 0.03555 | 0.00724 | 337633 | 0.96527 | 2845492 | 41.37 |
| 25 | 66329 | 2238 | 0.03374 | 0.00687 | 325905 | 0.96649 | 2507860 | 37.81 |
| 30 | 64091 | 2223 | 0.03469 | 0.00706 | 314985 | 0.96207 | 2181955 | 34.04 |
| 35 | 61868 | 2654 | 0.04290 | 0.00876 | 303037 | 0.95078 | 1866969 | 30.18 |
| 40 | 59213 | 3287 | 0.05551 | 0.01141 | 288122 | 0.93772 | 1563933 | 26.41 |
| 45 | 55927 | 3877 | 0.06932 | 0.01435 | 270177 | 0.92222 | 1275810 | 22.81 |
| 50 | 52050 | 4565 | 0.08770 | 0.01832 | 249163 | 0.89839 | 1005633 | 19.32 |
| 55 | 47485 | 5724 | 0.12055 | 0.02557 | 223845 | 0.85492 | 756470 | 15.93 |
| 60 | 41760 | 7279 | 0.17430 | 0.03804 | 191369 | 0.79100 | 532626 | 12.75 |
| 65 | 34482 | 8646 | 0.25074 | 0.05712 | 151373 | 0.70180 | 341257 | 9.90 |
| 70 | 25836 | 9054 | 0.35047 | 0.08523 | 106234 | 0.57820 | 189884 | 7.35 |
| 75 | 16781 | 9571 | 0.57037 | 0.15582 | 61424 | 0.26570 | 83650 | 4.98 |
| 80 | 7210 | 7210 | 1.00000 | 0.32439 | 22226 | 0.0 | 22226 | 3.08 |

*Calculated from graduated census survival ratios.

(Mortality levels for all ages are linearly interpolated from those for 1935-40 and for 1955-60 under assumed normal conditions)

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table I.5 Abridged Life Table for Korea, 1945-1950*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 12950 | 0.12950 | 0.14343 | 90288 | 0.83782 | 4720815 | 47.21 |
| 1 | 87050 | 7763 | 0.08918 | 0.02362 | 328620 | 0.92002 | 4630527 | 53.19 |
| 5 | 79287 | 3712 | 0.04681 | 0.00963 | 385405 | 0.97075 | 4301907 | 54.26 |
| 10 | 75576 | 1651 | 0.02184 | 0.00441 | 374130 | 0.97571 | 3916504 | 51.82 |
| 15 | 73925 | 1952 | 0.02640 | 0.00535 | 365043 | 0.97070 | 3542373 | 47.92 |
| 20 | 71974 | 2206 | 0.03065 | 0.00622 | 354347 | 0.96886 | 3177331 | 44.15 |
| 25 | 69768 | 2192 | 0.03141 | 0.00638 | 343313 | 0.96824 | 2822984 | 40.46 |
| 30 | 67576 | 2199 | 0.03254 | 0.00661 | 332409 | 0.96583 | 2479671 | 36.69 |
| 35 | 65377 | 2406 | 0.03680 | 0.00749 | 321051 | 0.96002 | 2147262 | 32.84 |
| 40 | 62972 | 2692 | 0.04275 | 0.00873 | 308215 | 0.95403 | 1826212 | 29.00 |
| 45 | 60280 | 3009 | 0.04991 | 0.01023 | 294046 | 0.94468 | 1517997 | 25.18 |
| 50 | 57271 | 3514 | 0.06136 | 0.01265 | 277780 | 0.92837 | 1223951 | 21.37 |
| 55 | 53757 | 4699 | 0.08741 | 0.01822 | 257882 | 0.89056 | 946171 | 17.60 |
| 60 | 49058 | 6662 | 0.13580 | 0.02901 | 229660 | 0.83190 | 688289 | 14.03 |
| 65 | 42396 | 8762 | 0.20666 | 0.04586 | 191054 | 0.74773 | 458629 | 10.82 |
| 70 | 33634 | 10194 | 0.30310 | 0.07136 | 142857 | 0.62222 | 267575 | 7.96 |
| 75 | 23440 | 12552 | 0.53550 | 0.14121 | 88888 | 0.40309 | 124718 | 5.32 |
| 80 | 10888 | 10888 | 1.00000 | 0.30387 | 35830 | 0.0 | 35830 | 3.29 |
| Male | | | | | | | | |
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 14518 | 0.14518 | 0.16318 | 88967 | 0.82238 | 4363947 | 43.64 |
| 1 | 85482 | 7764 | 0.09082 | 0.02409 | 322223 | 0.92001 | 4274980 | 50.01 |
| 5 | 77718 | 3363 | 0.04327 | 0.00889 | 378298 | 0.97419 | 3957257 | 50.86 |
| 10 | 74355 | 1700 | 0.02286 | 0.00461 | 368534 | 0.96972 | 3574459 | 48.07 |
| 15 | 72655 | 2424 | 0.03336 | 0.00678 | 357375 | 0.96522 | 3205925 | 44.13 |
| 20 | 70232 | 2402 | 0.03420 | 0.00696 | 344945 | 0.96772 | 2848550 | 40.56 |
| 25 | 67829 | 2047 | 0.03018 | 0.00613 | 333811 | 0.97058 | 2503605 | 36.91 |
| 30 | 65782 | 2029 | 0.03084 | 0.00626 | 323990 | 0.96475 | 2169794 | 32.98 |
| 35 | 63753 | 2669 | 0.04187 | 0.00854 | 312569 | 0.94946 | 1845804 | 28.95 |
| 40 | 61084 | 3648 | 0.05971 | 0.01229 | 296772 | 0.93043 | 1533235 | 25.10 |
| 45 | 57437 | 4557 | 0.07935 | 0.01651 | 276126 | 0.90942 | 1236463 | 21.53 |
| 50 | 52879 | 5505 | 0.10411 | 0.02192 | 251114 | 0.87880 | 960337 | 18.16 |
| 55 | 47374 | 6743 | 0.14233 | 0.03055 | 220679 | 0.83194 | 709223 | 14.97 |
| 60 | 40631 | 8067 | 0.19855 | 0.04394 | 183592 | 0.76580 | 488544 | 12.02 |
| 65 | 32564 | 9050 | 0.27791 | 0.06437 | 140595 | 0.67358 | 304953 | 9.36 |
| 70 | 23514 | 8887 | 0.37794 | 0.09384 | 94702 | 0.55412 | 164358 | 6.99 |
| 75 | 14627 | 8649 | 0.59126 | 0.16481 | 52476 | 0.32739 | 69656 | 4.76 |
| 80 | 5979 | 5979 | 1.00000 | 0.34800 | 17180 | 0.0 | 17180 | 2.87 |
| Both Sexes | | | | | | | | |
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 13753 | 0.13753 | 0.15347 | 89611 | 0.82991 | 4538029 | 45.38 |
| 1 | 86247 | 7764 | 0.09001 | 0.02386 | 325343 | 0.92001 | 4448418 | 51.58 |
| 5 | 78484 | 3533 | 0.04502 | 0.00925 | 381764 | 0.97250 | 4123074 | 52.53 |
| 10 | 74951 | 1676 | 0.02236 | 0.00451 | 371264 | 0.97266 | 3741310 | 49.92 |
| 15 | 73275 | 2193 | 0.02993 | 0.00607 | 361115 | 0.96792 | 3370046 | 45.99 |
| 20 | 71081 | 2306 | 0.03245 | 0.00660 | 349532 | 0.96828 | 3008931 | 42.33 |
| 25 | 68775 | 2118 | 0.03079 | 0.00626 | 338446 | 0.96942 | 2659399 | 38.67 |
| 30 | 66657 | 2112 | 0.03168 | 0.00644 | 328097 | 0.96528 | 2320954 | 34.82 |
| 35 | 64546 | 2541 | 0.03936 | 0.00802 | 316706 | 0.95468 | 1992857 | 30.88 |
| 40 | 62005 | 3181 | 0.05131 | 0.01052 | 302354 | 0.94217 | 1676151 | 27.03 |
| 45 | 58824 | 3802 | 0.06463 | 0.01335 | 284867 | 0.92717 | 1373797 | 23.35 |
| 50 | 55022 | 4534 | 0.08240 | 0.01717 | 264122 | 0.90423 | 1088929 | 19.79 |
| 55 | 50488 | 5746 | 0.11380 | 0.02406 | 238827 | 0.86282 | 824808 | 16.34 |
| 60 | 44742 | 7382 | 0.16499 | 0.03582 | 206064 | 0.80174 | 585981 | 13.10 |
| 65 | 37360 | 8909 | 0.23847 | 0.05393 | 165209 | 0.71541 | 379917 | 10.17 |
| 70 | 28451 | 9525 | 0.33478 | 0.08059 | 118192 | 0.59427 | 214708 | 7.55 |
| 75 | 18926 | 10553 | 0.55757 | 0.15024 | 70238 | 0.27226 | 96516 | 5.10 |
| 80 | 8373 | 8373 | 1.00000 | 0.31865 | 26278 | 0.0 | 26278 | 3.14 |

*Calculated from graduated census survival ratios.

(Mortality levels for all ages are linearly interpolated from those for 1935-40 and for 1955-60 under assumed normal conditions)

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table I.6 Abridged Life Table for Korea, 1950-1955*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 11690 | 0.11690 | 0.12814 | 91232 | 0.85359 | 4970956 | 49.71 |
| 1 | 88310 | 7008 | 0.07936 | 0.02088 | 335563 | 0.92907 | 4879724 | 55.26 |
| 5 | 81302 | 3365 | 0.04139 | 0.00849 | 396523 | 0.97401 | 4544161 | 55.89 |
| 10 | 77936 | 1530 | 0.01963 | 0.00396 | 386217 | 0.97817 | 4147638 | 53.22 |
| 15 | 76406 | 1793 | 0.02347 | 0.00475 | 377786 | 0.97422 | 3761421 | 49.23 |
| 20 | 74613 | 2012 | 0.02696 | 0.00547 | 368047 | 0.97251 | 3383635 | 45.35 |
| 25 | 72602 | 2016 | 0.02777 | 0.00563 | 357929 | 0.97189 | 3015588 | 41.54 |
| 30 | 70586 | 2035 | 0.02883 | 0.00585 | 347868 | 0.96964 | 2657659 | 37.65 |
| 35 | 68550 | 2250 | 0.03282 | 0.00667 | 337306 | 0.96416 | 2309792 | 33.69 |
| 40 | 66301 | 2555 | 0.03854 | 0.00786 | 325217 | 0.95831 | 1972485 | 29.75 |
| 45 | 63745 | 2899 | 0.04548 | 0.00930 | 311659 | 0.94938 | 1647268 | 25.84 |
| 50 | 60846 | 3426 | 0.05630 | 0.01158 | 295883 | 0.93410 | 1335609 | 21.95 |
| 55 | 57420 | 4622 | 0.08050 | 0.01672 | 276384 | 0.89900 | 1039726 | 18.11 |
| 60 | 52798 | 6630 | 0.12557 | 0.02668 | 248469 | 0.84389 | 763342 | 14.46 |
| 65 | 46168 | 8905 | 0.19289 | 0.04247 | 209681 | 0.76299 | 514873 | 11.15 |
| 70 | 37263 | 10637 | 0.28547 | 0.06649 | 159984 | 0.64024 | 305192 | 8.19 |
| 75 | 26625 | 13873 | 0.52106 | 0.13544 | 102428 | 0.41765 | 145208 | 5.45 |
| 80 | 12752 | 12752 | 1.00000 | 0.29808 | 42779 | 0.0 | 42779 | 3.35 |
| Male | | | | | | | | |
| 0 | 100000 | 13500 | 0.13500 | 0.15044 | 89740 | 0.83483 | 4523223 | 45.23 |
| 1 | 86500 | 7220 | 0.08347 | 0.02203 | 327673 | 0.92665 | 4433483 | 51.25 |
| 5 | 79280 | 3145 | 0.03967 | 0.00813 | 386795 | 0.97611 | 4105810 | 51.79 |
| 10 | 76135 | 1630 | 0.02141 | 0.00432 | 377555 | 0.97166 | 3719015 | 48.85 |
| 15 | 74505 | 2330 | 0.03127 | 0.00635 | 366855 | 0.96738 | 3341460 | 44.85 |
| 20 | 72175 | 2315 | 0.03208 | 0.00652 | 354888 | 0.96974 | 2974605 | 41.21 |
| 25 | 69860 | 1976 | 0.02828 | 0.00574 | 344149 | 0.97244 | 2619717 | 37.50 |
| 30 | 67884 | 1961 | 0.02888 | 0.00586 | 334664 | 0.96698 | 2275568 | 33.52 |
| 35 | 65923 | 2586 | 0.03923 | 0.00799 | 323614 | 0.95256 | 1940904 | 29.44 |
| 40 | 63337 | 3558 | 0.05618 | 0.01154 | 308262 | 0.93432 | 1617290 | 25.53 |
| 45 | 59779 | 4495 | 0.07520 | 0.01561 | 288015 | 0.91376 | 1309028 | 21.90 |
| 50 | 55284 | 5503 | 0.09954 | 0.02091 | 263177 | 0.88364 | 1021013 | 18.47 |
| 55 | 49781 | 6824 | 0.13707 | 0.02934 | 232553 | 0.83769 | 757837 | 15.22 |
| 60 | 42957 | 8253 | 0.19213 | 0.04237 | 194808 | 0.77290 | 525284 | 12.23 |
| 65 | 34704 | 9371 | 0.27003 | 0.06224 | 150567 | 0.68212 | 330476 | 9.52 |
| 70 | 25333 | 9331 | 0.36835 | 0.09086 | 102705 | 0.56372 | 179909 | 7.10 |
| 75 | 16002 | 9343 | 0.58389 | 0.16138 | 57897 | 0.33349 | 77205 | 4.82 |
| 80 | 6658 | 6658 | 1.00000 | 0.34485 | 19308 | 0.0 | 19308 | 2.90 |
| Both Sexes | | | | | | | | |
| 0 | 100000 | 12617 | 0.12617 | 0.13947 | 90468 | 0.84398 | 4741629 | 47.42 |
| 1 | 87383 | 7117 | 0.08144 | 0.02147 | 331522 | 0.92784 | 4651162 | 53.23 |
| 5 | 80266 | 3253 | 0.04052 | 0.00831 | 391540 | 0.97507 | 4319640 | 53.82 |
| 10 | 77014 | 1581 | 0.02053 | 0.00414 | 381780 | 0.97487 | 3928099 | 51.01 |
| 15 | 75432 | 2068 | 0.02742 | 0.00556 | 372187 | 0.97077 | 3546319 | 47.01 |
| 20 | 73364 | 2167 | 0.02954 | 0.00600 | 361307 | 0.97112 | 3174132 | 43.27 |
| 25 | 71197 | 1995 | 0.02802 | 0.00569 | 350871 | 0.97217 | 2812825 | 39.51 |
| 30 | 69202 | 1997 | 0.02886 | 0.00585 | 341105 | 0.96830 | 2461954 | 35.58 |
| 35 | 67205 | 2422 | 0.03604 | 0.00733 | 330293 | 0.95834 | 2120849 | 31.56 |
| 40 | 64783 | 3069 | 0.04737 | 0.00970 | 316533 | 0.94634 | 1790556 | 27.64 |
| 45 | 61714 | 3717 | 0.06022 | 0.01241 | 299549 | 0.93184 | 1474023 | 23.88 |
| 50 | 57997 | 4490 | 0.07741 | 0.01608 | 279131 | 0.90973 | 1174475 | 20.25 |
| 55 | 53507 | 5750 | 0.10746 | 0.02264 | 253934 | 0.87024 | 895344 | 16.73 |
| 60 | 47758 | 7461 | 0.15623 | 0.03376 | 220984 | 0.81184 | 641410 | 13.43 |
| 65 | 40296 | 9144 | 0.22692 | 0.05097 | 179403 | 0.72823 | 420426 | 10.43 |
| 70 | 31152 | 9968 | 0.31999 | 0.07630 | 130646 | 0.60943 | 241023 | 7.74 |
| 75 | 21184 | 11553 | 0.54537 | 0.14510 | 79619 | 0.27866 | 110377 | 5.21 |
| 80 | 9631 | 9631 | 1.00000 | 0.31312 | 30757 | 0.0 | 30757 | 3.19 |

*Calculated from graduated census survival ratios.

(Mortality levels for all ages are linearly interpolated from those for 1935-40 and for 1955-60 under assumed normal conditions)

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table I.7 Abridged Life Table for Korea, 1955-1960*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 10277 | 0.10277 | 0.11136 | 92292 | 0.87129 | 5247014 | 52.47 |
| 1 | 89723 | 6161 | 0.06867 | 0.01794 | 343351 | 0.93884 | 5154722 | 57.45 |
| 5 | 83562 | 2975 | 0.03561 | 0.00727 | 408999 | 0.97750 | 4811371 | 57.58 |
| 10 | 80586 | 1387 | 0.01721 | 0.00347 | 399797 | 0.98083 | 4402372 | 54.63 |
| 15 | 79200 | 1626 | 0.02052 | 0.00415 | 392132 | 0.97757 | 4002575 | 50.54 |
| 20 | 77574 | 1822 | 0.02349 | 0.00475 | 383337 | 0.97597 | 3610443 | 46.54 |
| 25 | 75752 | 1842 | 0.02432 | 0.00492 | 374125 | 0.97534 | 3227106 | 42.60 |
| 30 | 73910 | 1872 | 0.02533 | 0.00513 | 364899 | 0.97326 | 2852980 | 38.60 |
| 35 | 72038 | 2092 | 0.02904 | 0.00589 | 355142 | 0.96809 | 2488081 | 34.54 |
| 40 | 69946 | 2416 | 0.03454 | 0.00703 | 343809 | 0.96237 | 2132939 | 30.49 |
| 45 | 67530 | 2789 | 0.04130 | 0.00843 | 330872 | 0.95381 | 1789130 | 26.49 |
| 50 | 64741 | 3337 | 0.05154 | 0.01057 | 315589 | 0.93952 | 1458258 | 22.52 |
| 55 | 61405 | 4541 | 0.07395 | 0.01532 | 296502 | 0.90701 | 1142669 | 18.61 |
| 60 | 56864 | 6587 | 0.11585 | 0.02450 | 268930 | 0.85529 | 846167 | 14.88 |
| 65 | 50276 | 9039 | 0.17979 | 0.03930 | 230013 | 0.77751 | 577236 | 11.48 |
| 70 | 41237 | 11080 | 0.26870 | 0.06196 | 178838 | 0.65738 | 347223 | 8.42 |
| 75 | 30156 | 15293 | 0.50712 | 0.13008 | 117564 | 0.43228 | 168385 | 5.58 |
| 80 | 14864 | 14864 | 1.00000 | 0.29247 | 50821 | 0.0 | 50821 | 3.42 |
| Male | | | | | | | | |
| 0 | 100000 | 12489 | 0.12489 | 0.13798 | 90509 | 0.84720 | 4684945 | 46.85 |
| 1 | 87511 | 6679 | 0.07632 | 0.02005 | 333093 | 0.93307 | 4594437 | 52.50 |
| 5 | 80832 | 2926 | 0.03620 | 0.00740 | 395250 | 0.97798 | 4261344 | 52.72 |
| 10 | 77907 | 1556 | 0.01997 | 0.00403 | 386547 | 0.97356 | 3866094 | 49.62 |
| 15 | 76351 | 2232 | 0.02924 | 0.00593 | 376326 | 0.96948 | 3479547 | 45.57 |
| 20 | 74118 | 2224 | 0.03001 | 0.00610 | 364841 | 0.97170 | 3103221 | 41.87 |
| 25 | 71894 | 1901 | 0.02644 | 0.00536 | 354516 | 0.97424 | 2738380 | 38.09 |
| 30 | 69993 | 1888 | 0.02697 | 0.00547 | 345383 | 0.96916 | 2383865 | 34.06 |
| 35 | 68105 | 2498 | 0.03668 | 0.00746 | 334732 | 0.95556 | 2038481 | 29.93 |
| 40 | 65607 | 3459 | 0.05273 | 0.01081 | 319856 | 0.93814 | 1703749 | 25.97 |
| 45 | 62148 | 4421 | 0.07114 | 0.01473 | 300070 | 0.91797 | 1383893 | 22.27 |
| 50 | 57727 | 5490 | 0.09510 | 0.01993 | 275455 | 0.88835 | 1083823 | 18.78 |
| 55 | 52237 | 6893 | 0.13196 | 0.02817 | 244701 | 0.84328 | 808368 | 15.48 |
| 60 | 45343 | 8428 | 0.18587 | 0.04084 | 206351 | 0.77982 | 563667 | 12.43 |
| 65 | 36915 | 9685 | 0.26236 | 0.06019 | 160917 | 0.69044 | 357316 | 9.68 |
| 70 | 27230 | 9776 | 0.35901 | 0.08799 | 111103 | 0.57307 | 196399 | 7.21 |
| 75 | 17454 | 10066 | 0.57667 | 0.15809 | 63670 | 0.33965 | 85296 | 4.89 |
| 80 | 7389 | 7389 | 1.00000 | 0.34168 | 21626 | 0.0 | 21626 | 2.93 |
| Both Sexes | | | | | | | | |
| 0 | 100000 | 11410 | 0.11410 | 0.12486 | 91379 | 0.85895 | 4959125 | 49.59 |
| 1 | 88590 | 6426 | 0.07254 | 0.01901 | 338097 | 0.93593 | 4867747 | 54.95 |
| 5 | 82164 | 2950 | 0.03590 | 0.00734 | 401957 | 0.97774 | 4529650 | 55.13 |
| 10 | 79214 | 1473 | 0.01860 | 0.00375 | 393010 | 0.97717 | 4127693 | 52.11 |
| 15 | 77740 | 1936 | 0.02491 | 0.00504 | 384037 | 0.97351 | 3734683 | 48.04 |
| 20 | 75804 | 2028 | 0.02675 | 0.00542 | 373863 | 0.97384 | 3350646 | 44.20 |
| 25 | 73776 | 1872 | 0.02538 | 0.00514 | 364081 | 0.97479 | 2976783 | 40.35 |
| 30 | 71904 | 1880 | 0.02615 | 0.00530 | 354903 | 0.97122 | 2612702 | 36.34 |
| 35 | 70024 | 2300 | 0.03284 | 0.00667 | 344688 | 0.96186 | 2257798 | 32.24 |
| 40 | 67724 | 2950 | 0.04356 | 0.00890 | 331541 | 0.95040 | 1913110 | 28.25 |
| 45 | 64773 | 3625 | 0.05596 | 0.01150 | 315095 | 0.93633 | 1581569 | 24.42 |
| 50 | 61149 | 4440 | 0.07260 | 0.01505 | 295033 | 0.91505 | 1266474 | 20.71 |
| 55 | 56709 | 5746 | 0.10132 | 0.02128 | 269970 | 0.87742 | 971441 | 17.13 |
| 60 | 50963 | 7530 | 0.14776 | 0.03179 | 236878 | 0.82162 | 701472 | 13.76 |
| 65 | 43433 | 9370 | 0.21574 | 0.04814 | 194622 | 0.74064 | 464594 | 10.70 |
| 70 | 34063 | 10412 | 0.30568 | 0.07223 | 144145 | 0.62410 | 269972 | 7.93 |
| 75 | 23651 | 12615 | 0.53341 | 0.14023 | 89960 | 0.28505 | 125827 | 5.32 |
| 80 | 11035 | 11035 | 1.00000 | 0.30767 | 35867 | 0.0 | 35867 | 3.25 |

*Calculated from graduated census survival ratios.

P(0)=Proportion surviving from birth to 0-4.

P(1)=5L5/5L0

P(75)=T(80)/T(75)

Table I.8 Abridged Life Table for Korea, 1960-1965*

Female

| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
|-----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 9783 | 0.09783 | 0.10558 | 92662 | 0.87747 | 5347963 | 53.48 |
| 1 | 90217 | 5865 | 0.06501 | 0.01695 | 346073 | 0.94217 | 5255300 | 58.25 |
| 5 | 84352 | 2837 | 0.03363 | 0.00686 | 413363 | 0.97870 | 4909227 | 58.20 |
| 10 | 81515 | 1335 | 0.01638 | 0.00330 | 404559 | 0.98174 | 4495864 | 55.15 |
| 15 | 80180 | 1562 | 0.01948 | 0.00393 | 397172 | 0.97879 | 4091305 | 51.03 |
| 20 | 78618 | 1747 | 0.02222 | 0.00449 | 388748 | 0.97723 | 3694134 | 46.99 |
| 25 | 76871 | 1773 | 0.02306 | 0.00467 | 379896 | 0.97660 | 3305386 | 43.00 |
| 30 | 75098 | 1806 | 0.02405 | 0.00487 | 371006 | 0.97457 | 2925490 | 38.96 |
| 35 | 73292 | 2028 | 0.02767 | 0.00561 | 361572 | 0.96951 | 2554484 | 34.85 |
| 40 | 71264 | 2359 | 0.03310 | 0.00673 | 350547 | 0.96384 | 2192913 | 30.77 |
| 45 | 68905 | 2741 | 0.03977 | 0.00811 | 337871 | 0.95543 | 1842365 | 26.74 |
| 50 | 66165 | 3295 | 0.04980 | 0.01021 | 322812 | 0.94149 | 1504494 | 22.74 |
| 55 | 62870 | 4500 | 0.07157 | 0.01481 | 303925 | 0.90992 | 1181681 | 18.80 |
| 60 | 58370 | 6556 | 0.11232 | 0.02371 | 276547 | 0.85943 | 877757 | 15.04 |
| 65 | 51814 | 9070 | 0.17505 | 0.03816 | 237673 | 0.78277 | 601210 | 11.60 |
| 70 | 42744 | 11226 | 0.26262 | 0.06034 | 186043 | 0.66359 | 363537 | 8.50 |
| 75 | 31519 | 15823 | 0.50204 | 0.12817 | 123456 | 0.43770 | 177493 | 5.63 |
| 80 | 15695 | 15695 | 1.00000 | 0.29045 | 54037 | 0.0 | 54037 | 3.44 |

Male

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 11719 | 0.11719 | 0.12865 | 91094 | 0.85662 | 4810536 | 48.11 |
| 1 | 88281 | 6267 | 0.07099 | 0.01858 | 337218 | 0.93784 | 4719442 | 53.46 |
| 5 | 82014 | 2757 | 0.03362 | 0.00686 | 401688 | 0.97938 | 4382224 | 53.43 |
| 10 | 79257 | 1498 | 0.01890 | 0.00381 | 393405 | 0.97497 | 3980536 | 50.22 |
| 15 | 77759 | 2156 | 0.02773 | 0.00562 | 383558 | 0.97105 | 3587131 | 46.13 |
| 20 | 75603 | 2152 | 0.02846 | 0.00578 | 372454 | 0.97318 | 3203573 | 42.37 |
| 25 | 73452 | 1839 | 0.02504 | 0.00507 | 362465 | 0.97561 | 2831119 | 38.54 |
| 30 | 71612 | 1829 | 0.02553 | 0.00517 | 353624 | 0.97079 | 2468654 | 34.47 |
| 35 | 69784 | 2425 | 0.03475 | 0.00706 | 343295 | 0.95783 | 2115030 | 30.31 |
| 40 | 67359 | 3377 | 0.05014 | 0.01027 | 328818 | 0.94099 | 1771735 | 26.30 |
| 45 | 63981 | 4357 | 0.06810 | 0.01408 | 309415 | 0.92115 | 1442917 | 22.55 |
| 50 | 59625 | 5471 | 0.09176 | 0.01920 | 285017 | 0.89189 | 1133503 | 19.01 |
| 55 | 54154 | 6939 | 0.12813 | 0.02730 | 254204 | 0.84748 | 848485 | 15.67 |
| 60 | 47215 | 8554 | 0.18118 | 0.03971 | 215433 | 0.78502 | 594281 | 12.59 |
| 65 | 38661 | 9920 | 0.25658 | 0.05865 | 169119 | 0.69671 | 378848 | 9.80 |
| 70 | 28741 | 10116 | 0.35196 | 0.08585 | 117827 | 0.58012 | 209729 | 7.30 |
| 75 | 18625 | 10638 | 0.57118 | 0.15564 | 68354 | 0.34451 | 91902 | 4.93 |
| 80 | 7987 | 7987 | 1.00000 | 0.33917 | 23549 | 0.0 | 23549 | 2.95 |

Both Sexes

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 10775 | 0.10775 | 0.11730 | 91859 | 0.86679 | 5072695 | 50.73 |
| 1 | 89225 | 6071 | 0.06804 | 0.01778 | 341537 | 0.93998 | 4980836 | 55.82 |
| 5 | 83154 | 2796 | 0.03363 | 0.00686 | 407383 | 0.97904 | 4639299 | 55.79 |
| 10 | 80358 | 1418 | 0.01765 | 0.00356 | 398846 | 0.97832 | 4231916 | 52.66 |
| 15 | 78940 | 1866 | 0.02364 | 0.00478 | 390199 | 0.97489 | 3833070 | 48.56 |
| 20 | 77074 | 1954 | 0.02535 | 0.00514 | 380402 | 0.97520 | 3442871 | 44.67 |
| 25 | 75120 | 1807 | 0.02405 | 0.00487 | 370968 | 0.97610 | 3062469 | 40.77 |
| 30 | 73313 | 1818 | 0.02479 | 0.00502 | 362103 | 0.97268 | 2691501 | 36.71 |
| 35 | 71495 | 2231 | 0.03121 | 0.00634 | 352210 | 0.96368 | 2329398 | 32.58 |
| 40 | 69264 | 2880 | 0.04158 | 0.00849 | 339418 | 0.95250 | 1977188 | 28.55 |
| 45 | 66383 | 3569 | 0.05376 | 0.01104 | 323296 | 0.93863 | 1637770 | 24.67 |
| 50 | 62815 | 4410 | 0.07020 | 0.01453 | 303454 | 0.91763 | 1314474 | 20.93 |
| 55 | 58405 | 5749 | 0.09843 | 0.02065 | 278458 | 0.88072 | 1011020 | 17.31 |
| 60 | 52656 | 7579 | 0.14394 | 0.03091 | 245245 | 0.82595 | 732562 | 13.91 |
| 65 | 45077 | 9505 | 0.21086 | 0.04692 | 202560 | 0.74597 | 487317 | 10.81 |
| 70 | 35572 | 10657 | 0.29959 | 0.07053 | 151103 | 0.63025 | 284757 | 8.01 |
| 75 | 24915 | 13168 | 0.52851 | 0.13827 | 95233 | 0.28747 | 133654 | 5.36 |
| 80 | 11747 | 11747 | 1.00000 | 0.30575 | 38421 | 0.0 | 38421 | 3.27 |

*Calculated from graduated census survival ratios.

P(0)=Proportion surviving from birth to 0-4.

P(1)=5L5/5L0

P(75)=T(80)/T(75)

Table I.9 Abridged Life Table for Korea, 1965-1970*

| Female | | | | | | | | |
|--------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 8088 | 0.08088 | 0.08610 | 93934 | 0.89870 | 5648625 | 56.49 |
| 1 | 91912 | 4849 | 0.05276 | 0.01364 | 355415 | 0.95288 | 5554691 | 60.43 |
| 5 | 87063 | 2451 | 0.02815 | 0.00572 | 428176 | 0.98117 | 5199276 | 59.72 |
| 10 | 84612 | 1293 | 0.01528 | 0.00308 | 420114 | 0.98313 | 4771100 | 56.39 |
| 15 | 83319 | 1468 | 0.01762 | 0.00355 | 413027 | 0.98124 | 4350986 | 52.22 |
| 20 | 81851 | 1609 | 0.01966 | 0.00397 | 405278 | 0.97968 | 3937959 | 48.11 |
| 25 | 80242 | 1660 | 0.02069 | 0.00418 | 397042 | 0.97889 | 3532681 | 44.03 |
| 30 | 78582 | 1715 | 0.02182 | 0.00441 | 388661 | 0.97675 | 3135639 | 39.90 |
| 35 | 76867 | 1960 | 0.02550 | 0.00516 | 379625 | 0.97168 | 2746978 | 35.74 |
| 40 | 74907 | 2324 | 0.03103 | 0.00630 | 368874 | 0.96579 | 2367353 | 31.60 |
| 45 | 72583 | 2751 | 0.03790 | 0.00772 | 356254 | 0.95731 | 1998479 | 27.53 |
| 50 | 69832 | 3340 | 0.04783 | 0.00979 | 341045 | 0.94365 | 1642225 | 23.52 |
| 55 | 66492 | 4599 | 0.06917 | 0.01429 | 321828 | 0.91272 | 1301180 | 19.57 |
| 60 | 61893 | 6736 | 0.10883 | 0.02293 | 293739 | 0.86355 | 979352 | 15.82 |
| 65 | 55157 | 9382 | 0.17010 | 0.03699 | 253658 | 0.78756 | 685613 | 12.43 |
| 70 | 45775 | 12333 | 0.26943 | 0.06174 | 199771 | 0.66933 | 431955 | 9.44 |
| 75 | 33442 | 13790 | 0.41236 | 0.10313 | 133713 | 0.42411 | 232184 | 6.94 |
| 80 | 19652 | 19652 | 1.00000 | 0.19957 | 98471 | 0.0 | 98471 | 5.01 |

| Male | | | | | | | | |
|------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 9445 | 0.09445 | 0.10175 | 92822 | 0.88444 | 5075938 | 50.76 |
| 1 | 90555 | 5049 | 0.05576 | 0.01445 | 349398 | 0.95070 | 4983116 | 55.03 |
| 5 | 85506 | 2408 | 0.02816 | 0.00573 | 420418 | 0.98077 | 4633718 | 54.19 |
| 10 | 83098 | 1560 | 0.01877 | 0.00378 | 412334 | 0.97591 | 4213300 | 51.91 |
| 15 | 81538 | 2178 | 0.02671 | 0.00541 | 402400 | 0.97210 | 3800966 | 46.62 |
| 20 | 79360 | 2177 | 0.02743 | 0.00557 | 391173 | 0.97419 | 3398566 | 42.82 |
| 25 | 77183 | 1853 | 0.02401 | 0.00486 | 381077 | 0.97668 | 3007393 | 38.96 |
| 30 | 75330 | 1842 | 0.02445 | 0.00495 | 372191 | 0.97193 | 2626316 | 34.86 |
| 35 | 73488 | 2455 | 0.03341 | 0.00679 | 361744 | 0.95938 | 2254125 | 30.67 |
| 40 | 71033 | 3442 | 0.04846 | 0.00992 | 347050 | 0.94272 | 1892381 | 26.64 |
| 45 | 67591 | 4486 | 0.06637 | 0.01371 | 327171 | 0.92285 | 1545331 | 22.82 |
| 50 | 63105 | 5685 | 0.09009 | 0.01883 | 301930 | 0.89356 | 1218160 | 19.30 |
| 55 | 57420 | 7258 | 0.12640 | 0.02690 | 269793 | 0.84927 | 916230 | 15.96 |
| 60 | 50162 | 8994 | 0.17930 | 0.03925 | 229127 | 0.78698 | 646437 | 12.89 |
| 65 | 41168 | 10464 | 0.25418 | 0.05803 | 180319 | 0.69881 | 417310 | 10.14 |
| 70 | 30704 | 10956 | 0.35683 | 0.08695 | 126009 | 0.57910 | 236991 | 7.72 |
| 75 | 19748 | 11177 | 0.56598 | 0.15317 | 72972 | 0.34249 | 110982 | 5.62 |
| 80 | 8571 | 8571 | 1.00000 | 0.22549 | 38010 | 0.0 | 38010 | 4.43 |

| Both Sexes | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 8783 | 0.08783 | 0.09407 | 93364 | 0.89139 | 5355297 | 53.55 |
| 1 | 91217 | 4952 | 0.05429 | 0.01406 | 352333 | 0.95177 | 5261933 | 57.69 |
| 5 | 86265 | 2428 | 0.02815 | 0.00572 | 424202 | 0.98097 | 4909600 | 56.91 |
| 10 | 83837 | 1430 | 0.01706 | 0.00344 | 416129 | 0.97947 | 4485398 | 53.50 |
| 15 | 82407 | 1832 | 0.02223 | 0.00450 | 407584 | 0.97662 | 4069269 | 49.38 |
| 20 | 80575 | 1900 | 0.02358 | 0.00477 | 398054 | 0.97692 | 3661685 | 45.44 |
| 25 | 78675 | 1758 | 0.02235 | 0.00452 | 388865 | 0.97778 | 3263631 | 41.48 |
| 30 | 76917 | 1781 | 0.02316 | 0.00468 | 380225 | 0.97433 | 2874766 | 37.37 |
| 35 | 75136 | 2213 | 0.02945 | 0.00597 | 370466 | 0.96553 | 2494541 | 33.20 |
| 40 | 72923 | 2897 | 0.03973 | 0.00810 | 357696 | 0.95432 | 2124075 | 29.13 |
| 45 | 70026 | 3640 | 0.05198 | 0.01066 | 341358 | 0.94039 | 1766379 | 25.22 |
| 50 | 66386 | 4541 | 0.06840 | 0.01415 | 321011 | 0.91952 | 1425021 | 21.47 |
| 55 | 61845 | 5961 | 0.09639 | 0.02020 | 295176 | 0.88302 | 1104010 | 17.85 |
| 60 | 55884 | 7892 | 0.14122 | 0.03028 | 260645 | 0.82907 | 808834 | 14.47 |
| 65 | 47992 | 9936 | 0.20704 | 0.04598 | 216094 | 0.74963 | 548189 | 11.42 |
| 70 | 38056 | 11628 | 0.30555 | 0.07178 | 161990 | 0.63339 | 332095 | 8.73 |
| 75 | 26428 | 12451 | 0.47113 | 0.12135 | 102602 | 0.39683 | 170105 | 6.44 |
| 80 | 13977 | 13977 | 1.00000 | 0.20706 | 67503 | 0.0 | 67503 | 4.83 |

*Calculated from graduated census survival ratios.

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table II.1 Abridged Life Table for Korea, 1925-1930*

Female

| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
|-----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 16262 | 0.16262 | 0.18351 | 88619 | 0.79686 | 3882983 | 38.83 |
| 1 | 83738 | 11982 | 0.14310 | 0.03868 | 309811 | 0.87278 | 3794364 | 45.31 |
| 5 | 71755 | 4432 | 0.06177 | 0.01275 | 347742 | 0.95217 | 3484553 | 48.56 |
| 10 | 67323 | 2224 | 0.03304 | 0.00672 | 331109 | 0.96617 | 3136811 | 46.59 |
| 15 | 65099 | 2261 | 0.03473 | 0.00707 | 319908 | 0.96272 | 2805702 | 43.10 |
| 20 | 62838 | 2512 | 0.03998 | 0.00816 | 307982 | 0.95685 | 2485794 | 39.56 |
| 25 | 60325 | 2807 | 0.04654 | 0.00953 | 294692 | 0.94974 | 2177812 | 36.10 |
| 30 | 57518 | 3125 | 0.05433 | 0.01117 | 279881 | 0.94190 | 1883120 | 32.74 |
| 35 | 54393 | 3389 | 0.06231 | 0.01286 | 263620 | 0.93509 | 1603239 | 29.48 |
| 40 | 51004 | 3462 | 0.06788 | 0.01405 | 246508 | 0.92945 | 1339619 | 26.27 |
| 45 | 47541 | 3500 | 0.07361 | 0.01527 | 229117 | 0.91874 | 1093111 | 22.99 |
| 50 | 44042 | 3954 | 0.08978 | 0.01878 | 210499 | 0.89576 | 863994 | 19.62 |
| 55 | 40088 | 4831 | 0.12051 | 0.02562 | 188557 | 0.85598 | 653495 | 16.30 |
| 60 | 35257 | 6041 | 0.17134 | 0.03743 | 161401 | 0.79389 | 464938 | 13.19 |
| 65 | 29216 | 7278 | 0.24911 | 0.05680 | 128134 | 0.70401 | 303537 | 10.39 |
| 70 | 21938 | 7906 | 0.36037 | 0.08764 | 90208 | 0.58969 | 175403 | 8.00 |
| 75 | 14032 | 6897 | 0.49152 | 0.12966 | 53195 | 0.37561 | 85195 | 6.07 |
| 80 | 7135 | 7135 | 1.00000 | 0.22297 | 32000 | 0.0 | 32000 | 4.48 |

Male

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 18695 | 0.18695 | 0.21509 | 86916 | 0.77418 | 3602432 | 36.02 |
| 1 | 81305 | 11890 | 0.14624 | 0.03961 | 300174 | 0.86968 | 3515516 | 43.24 |
| 5 | 69415 | 4237 | 0.06104 | 0.01259 | 336644 | 0.95305 | 3215342 | 46.32 |
| 10 | 65178 | 2070 | 0.03176 | 0.00645 | 320839 | 0.96640 | 2878698 | 44.17 |
| 15 | 63108 | 2235 | 0.03542 | 0.00721 | 310059 | 0.95729 | 2557859 | 40.53 |
| 20 | 60872 | 3056 | 0.05020 | 0.01030 | 296816 | 0.94828 | 2247800 | 36.93 |
| 25 | 57816 | 3075 | 0.05318 | 0.01092 | 281465 | 0.94489 | 1950984 | 33.74 |
| 30 | 54742 | 3120 | 0.05699 | 0.01173 | 265953 | 0.93899 | 1669519 | 30.50 |
| 35 | 51228 | 3362 | 0.06513 | 0.01346 | 249728 | 0.92838 | 1403566 | 27.19 |
| 40 | 48260 | 3807 | 0.07888 | 0.01642 | 231842 | 0.91339 | 1153838 | 23.91 |
| 45 | 44453 | 4240 | 0.09539 | 0.02002 | 211762 | 0.89390 | 921996 | 20.74 |
| 50 | 40213 | 4758 | 0.11831 | 0.02513 | 189294 | 0.86558 | 710234 | 17.66 |
| 55 | 35455 | 5436 | 0.15333 | 0.03318 | 163849 | 0.82244 | 520940 | 14.69 |
| 60 | 30019 | 6218 | 0.20714 | 0.04614 | 134756 | 0.75802 | 357091 | 11.90 |
| 65 | 23800 | 6839 | 0.28736 | 0.06696 | 102148 | 0.66125 | 222334 | 9.34 |
| 70 | 16961 | 7015 | 0.41360 | 0.10386 | 67545 | 0.53358 | 120187 | 7.09 |
| 75 | 9946 | 5538 | 0.55876 | 0.15365 | 36041 | 0.31535 | 52641 | 5.29 |
| 80 | 4409 | 4409 | 1.00000 | 0.26558 | 16600 | 0.0 | 16600 | 3.77 |

Both Sexes

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 17508 | 0.17508 | 0.19953 | 87747 | 0.78524 | 3739286 | 37.39 |
| 1 | 82492 | 11935 | 0.14468 | 0.03915 | 304875 | 0.87121 | 3651540 | 44.27 |
| 5 | 70556 | 4332 | 0.06140 | 0.01267 | 342058 | 0.95261 | 3346665 | 47.43 |
| 10 | 66224 | 2145 | 0.03240 | 0.00658 | 325849 | 0.96629 | 3004607 | 45.37 |
| 15 | 64079 | 2248 | 0.03508 | 0.00714 | 314863 | 0.95998 | 2678758 | 41.80 |
| 20 | 61831 | 2791 | 0.04514 | 0.00923 | 302263 | 0.95254 | 2363895 | 38.23 |
| 25 | 59040 | 2944 | 0.04987 | 0.01023 | 287917 | 0.94731 | 2061632 | 34.92 |
| 30 | 56096 | 3122 | 0.05566 | 0.01145 | 272747 | 0.94045 | 1773715 | 31.62 |
| 35 | 52973 | 3375 | 0.06371 | 0.01316 | 256504 | 0.93174 | 1500968 | 28.33 |
| 40 | 49598 | 3639 | 0.07336 | 0.01523 | 238996 | 0.92147 | 1244463 | 25.09 |
| 45 | 45960 | 3879 | 0.08440 | 0.01761 | 220228 | 0.90651 | 1005467 | 21.88 |
| 50 | 42080 | 4366 | 0.10374 | 0.02187 | 199638 | 0.88110 | 785239 | 18.66 |
| 55 | 37715 | 5141 | 0.13631 | 0.02923 | 175902 | 0.83998 | 585601 | 15.53 |
| 60 | 32574 | 6132 | 0.18824 | 0.04150 | 147754 | 0.77713 | 409699 | 12.58 |
| 65 | 26442 | 7053 | 0.26675 | 0.06143 | 114824 | 0.68453 | 261946 | 9.91 |
| 70 | 19389 | 7450 | 0.38422 | 0.09478 | 78600 | 0.56499 | 147121 | 7.59 |
| 75 | 11939 | 6201 | 0.51936 | 0.13963 | 44409 | 0.35190 | 68521 | 5.74 |
| 80 | 5739 | 5739 | 1.00000 | 0.23800 | 21142 | 0.0 | 24112 | 4.20 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age.

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table II.2 Abridged Life Table for Korea, 1930-1935*

| Female | | | | | | | | |
|--------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(x) | D(x) | Q(x) | M(x) | L(x) | P(x) | T(x) | E(x) |
| 0 | 100000 | 14762 | 0.14762 | 0.16463 | 89669 | 0.81533 | 4142303 | 41.42 |
| 1 | 85238 | 10940 | 0.12835 | 0.03440 | 317996 | 0.88610 | 4052634 | 47.55 |
| 5 | 74298 | 4122 | 0.05548 | 0.01141 | 361232 | 0.95703 | 3734638 | 50.27 |
| 10 | 70175 | 2093 | 0.02983 | 0.00606 | 345710 | 0.96936 | 3373406 | 48.07 |
| 15 | 68082 | 2150 | 0.03158 | 0.00642 | 335117 | 0.96602 | 3027696 | 44.47 |
| 20 | 65932 | 2410 | 0.03655 | 0.00744 | 323730 | 0.96057 | 2692579 | 40.84 |
| 25 | 63522 | 2700 | 0.04251 | 0.00868 | 310965 | 0.95409 | 2368849 | 37.29 |
| 30 | 60822 | 3015 | 0.04957 | 0.01016 | 296689 | 0.94693 | 2057883 | 33.83 |
| 35 | 57807 | 3290 | 0.05692 | 0.01171 | 280944 | 0.94051 | 1761195 | 30.47 |
| 40 | 54517 | 3393 | 0.06223 | 0.01284 | 264230 | 0.93517 | 1480251 | 27.15 |
| 45 | 51124 | 3457 | 0.06761 | 0.01399 | 247100 | 0.92502 | 1216021 | 23.79 |
| 50 | 47667 | 3951 | 0.08289 | 0.01729 | 228573 | 0.90365 | 968920 | 20.33 |
| 55 | 43716 | 4854 | 0.11104 | 0.02350 | 206550 | 0.86672 | 740348 | 16.94 |
| 60 | 38862 | 6154 | 0.15835 | 0.03437 | 179021 | 0.80837 | 533798 | 13.74 |
| 65 | 32708 | 7564 | 0.23126 | 0.05227 | 144715 | 0.72316 | 354777 | 10.85 |
| 70 | 25144 | 8455 | 0.33625 | 0.08079 | 104652 | 0.61317 | 210062 | 8.35 |
| 75 | 16689 | 7729 | 0.46311 | 0.12045 | 64170 | 0.39124 | 105410 | 6.32 |
| 80 | 8961 | 8961 | 1.00000 | 0.21727 | 41241 | 0.0 | 41241 | 4.60 |

| Male | | | | | | | | |
|------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(x) | D(x) | Q(x) | M(x) | L(x) | P(x) | T(x) | E(x) |
| 0 | 100000 | 16905 | 0.16905 | 0.19173 | 88169 | 0.79536 | 3852617 | 38.53 |
| 1 | 83095 | 10858 | 0.13066 | 0.03508 | 309526 | 0.88290 | 3764448 | 45.30 |
| 5 | 72238 | 3980 | 0.05509 | 0.01133 | 351125 | 0.95760 | 3454922 | 47.83 |
| 10 | 68258 | 1967 | 0.02882 | 0.00585 | 336237 | 0.96931 | 3103797 | 45.47 |
| 15 | 66291 | 2157 | 0.03254 | 0.00662 | 325918 | 0.96067 | 2767510 | 41.75 |
| 20 | 64134 | 2965 | 0.04623 | 0.00947 | 313100 | 0.95237 | 2441642 | 38.07 |
| 25 | 61169 | 2996 | 0.04898 | 0.01005 | 298187 | 0.94926 | 2128542 | 34.80 |
| 30 | 58173 | 3053 | 0.05248 | 0.01079 | 283057 | 0.94384 | 1830355 | 31.46 |
| 35 | 55120 | 3302 | 0.05991 | 0.01236 | 267160 | 0.93407 | 1547298 | 28.07 |
| 40 | 51817 | 3764 | 0.07263 | 0.01508 | 249546 | 0.92017 | 1280138 | 24.70 |
| 45 | 48054 | 4228 | 0.08798 | 0.01841 | 229625 | 0.90172 | 1030592 | 21.45 |
| 50 | 43826 | 4819 | 0.10997 | 0.02328 | 207058 | 0.87492 | 800967 | 18.28 |
| 55 | 39007 | 5566 | 0.14268 | 0.03072 | 181159 | 0.83402 | 593909 | 15.23 |
| 60 | 33441 | 6490 | 0.19406 | 0.04295 | 151090 | 0.77235 | 412750 | 12.34 |
| 65 | 26951 | 7296 | 0.27070 | 0.06252 | 116694 | 0.67962 | 261660 | 9.71 |
| 70 | 19656 | 7686 | 0.39102 | 0.09691 | 79308 | 0.55628 | 144966 | 7.38 |
| 75 | 11970 | 6350 | 0.53048 | 0.14393 | 44117 | 0.32807 | 65658 | 5.49 |
| 80 | 5620 | 5620 | 1.00000 | 0.26093 | 21540 | 0.0 | 21540 | 3.83 |

| Both Sexes | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(x) | D(x) | Q(x) | M(x) | L(x) | P(x) | T(x) | E(x) |
| 0 | 100000 | 15860 | 0.15860 | 0.17840 | 88901 | 0.80512 | 3993927 | 39.94 |
| 1 | 84140 | 10898 | 0.12952 | 0.03474 | 313658 | 0.88448 | 3905026 | 46.41 |
| 5 | 73243 | 4049 | 0.05528 | 0.01137 | 356055 | 0.95732 | 3591369 | 49.03 |
| 10 | 69193 | 2029 | 0.02932 | 0.00595 | 340858 | 0.96933 | 3235314 | 46.76 |
| 15 | 67165 | 2154 | 0.03206 | 0.00652 | 330406 | 0.96332 | 2894456 | 43.09 |
| 20 | 65011 | 2694 | 0.04144 | 0.00846 | 318285 | 0.95644 | 2564050 | 39.44 |
| 25 | 62317 | 2852 | 0.04576 | 0.00937 | 304420 | 0.95167 | 2245765 | 36.04 |
| 30 | 59465 | 3034 | 0.05103 | 0.01047 | 289707 | 0.94538 | 1941345 | 32.65 |
| 35 | 56431 | 3296 | 0.05841 | 0.01204 | 273884 | 0.93729 | 1651638 | 29.27 |
| 40 | 53134 | 3583 | 0.06743 | 0.01396 | 256709 | 0.92770 | 1377754 | 25.93 |
| 45 | 49552 | 3852 | 0.07773 | 0.01617 | 238150 | 0.91351 | 1121045 | 22.62 |
| 50 | 45700 | 4396 | 0.09619 | 0.02021 | 217553 | 0.88964 | 882895 | 19.32 |
| 55 | 41304 | 5219 | 0.12635 | 0.02696 | 193545 | 0.85104 | 665343 | 16.11 |
| 60 | 36085 | 6326 | 0.17530 | 0.03840 | 164715 | 0.79145 | 471798 | 13.07 |
| 65 | 29760 | 7427 | 0.24956 | 0.05697 | 130363 | 0.70320 | 307083 | 10.32 |
| 70 | 22333 | 8061 | 0.36094 | 0.08793 | 91671 | 0.58796 | 176720 | 7.91 |
| 75 | 14272 | 7023 | 0.49205 | 0.13029 | 53899 | 0.36626 | 85049 | 5.96 |
| 80 | 7250 | 7250 | 1.00000 | 0.23273 | 31150 | 0.0 | 31150 | 4.30 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age.

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table II.3 Abridged Life Table for Korea, 1935-1940*

Female

| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
|-----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 13758 | 0.13758 | 0.15224 | 90372 | 0.82779 | 4326847 | 43.27 |
| 1 | 86242 | 10206 | 0.11834 | 0.03155 | 323523 | 0.89498 | 4236475 | 49.12 |
| 5 | 76036 | 3879 | 0.05102 | 0.01047 | 370428 | 0.96040 | 3912952 | 51.46 |
| 10 | 72156 | 1982 | 0.02747 | 0.00557 | 355759 | 0.97166 | 3542524 | 49.10 |
| 15 | 70174 | 2046 | 0.02916 | 0.00592 | 345677 | 0.96849 | 3186766 | 45.41 |
| 20 | 68128 | 2306 | 0.03385 | 0.00689 | 334784 | 0.96344 | 2841089 | 41.70 |
| 25 | 65822 | 2582 | 0.03923 | 0.00801 | 322545 | 0.95757 | 2506305 | 38.08 |
| 30 | 63239 | 2883 | 0.04559 | 0.00933 | 308859 | 0.95110 | 2183760 | 34.53 |
| 35 | 60356 | 3153 | 0.05223 | 0.01073 | 293756 | 0.94512 | 1874901 | 31.06 |
| 40 | 57204 | 3309 | 0.05785 | 0.01192 | 277635 | 0.93953 | 1581145 | 27.64 |
| 45 | 53894 | 3419 | 0.06344 | 0.01311 | 260846 | 0.92928 | 1303511 | 24.19 |
| 50 | 50475 | 3974 | 0.07872 | 0.01639 | 242399 | 0.90835 | 1042665 | 20.66 |
| 55 | 46502 | 4930 | 0.10603 | 0.02239 | 220183 | 0.87227 | 800266 | 17.21 |
| 60 | 41571 | 6341 | 0.15253 | 0.03301 | 192059 | 0.81473 | 580083 | 13.95 |
| 65 | 35230 | 7917 | 0.22472 | 0.05060 | 156476 | 0.73016 | 388024 | 11.01 |
| 70 | 27313 | 8998 | 0.32945 | 0.07876 | 114253 | 0.62007 | 231547 | 8.48 |
| 75 | 18315 | 8339 | 0.45532 | 0.11771 | 70845 | 0.39601 | 117294 | 6.40 |
| 80 | 9976 | 9976 | 1.00000 | 0.21477 | 46450 | 0.0 | 46450 | 4.66 |

Male

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 16806 | 0.16806 | 0.19047 | 88236 | 0.79655 | 3854657 | 38.55 |
| 1 | 83194 | 10774 | 0.12951 | 0.03475 | 310039 | 0.88368 | 3766421 | 45.27 |
| 5 | 72419 | 3957 | 0.5464 | 0.01124 | 351948 | 0.95788 | 3456382 | 47.73 |
| 10 | 68463 | 1955 | 0.02856 | 0.00580 | 337124 | 0.96950 | 3104435 | 45.34 |
| 15 | 66507 | 2146 | 0.03227 | 0.00657 | 326841 | 0.96090 | 2767311 | 41.61 |
| 20 | 64361 | 2950 | 0.04583 | 0.00939 | 314062 | 0.95265 | 2440470 | 37.92 |
| 25 | 61411 | 2980 | 0.04852 | 0.00996 | 299191 | 0.94958 | 2126408 | 34.63 |
| 30 | 58432 | 3039 | 0.05200 | 0.01070 | 284106 | 0.94420 | 1827217 | 31.27 |
| 35 | 55393 | 3288 | 0.05936 | 0.01226 | 268253 | 0.93452 | 1543111 | 27.86 |
| 40 | 52105 | 3784 | 0.07261 | 0.01509 | 250688 | 0.92000 | 1274858 | 24.47 |
| 45 | 48322 | 4284 | 0.08855 | 0.01857 | 230633 | 0.90075 | 1024171 | 21.19 |
| 50 | 44038 | 4919 | 0.11170 | 0.02368 | 207742 | 0.87272 | 793538 | 18.02 |
| 55 | 39119 | 5712 | 0.14603 | 0.03151 | 181301 | 0.83008 | 585796 | 14.97 |
| 60 | 33406 | 6664 | 0.19949 | 0.04428 | 150494 | 0.76606 | 404495 | 12.11 |
| 65 | 26742 | 7469 | 0.27930 | 0.06479 | 115288 | 0.66977 | 254001 | 9.50 |
| 70 | 19273 | 7815 | 0.40550 | 0.10121 | 77216 | 0.54170 | 138713 | 7.20 |
| 75 | 11458 | 6270 | 0.54727 | 0.14991 | 41828 | 0.31984 | 61497 | 5.37 |
| 80 | 5188 | 5188 | 1.00000 | 0.26374 | 19669 | 0.0 | 19669 | 3.79 |

Both Sexes

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 15319 | 0.15319 | 0.17159 | 89278 | 0.81179 | 4084994 | 40.85 |
| 1 | 84681 | 10497 | 0.12396 | 0.03315 | 316617 | 0.88930 | 3995716 | 47.19 |
| 5 | 74183 | 3919 | 0.05283 | 0.01086 | 360962 | 0.95914 | 3679099 | 49.59 |
| 10 | 70264 | 1968 | 0.02801 | 0.00569 | 346214 | 0.97058 | 3318137 | 47.22 |
| 15 | 68296 | 2098 | 0.03071 | 0.00624 | 336029 | 0.96471 | 2971923 | 43.52 |
| 20 | 66199 | 2636 | 0.03982 | 0.00813 | 324170 | 0.95809 | 2635894 | 39.82 |
| 25 | 63563 | 2786 | 0.04383 | 0.00897 | 310583 | 0.95363 | 2311723 | 36.37 |
| 30 | 60777 | 2963 | 0.04875 | 0.01000 | 296181 | 0.94771 | 2001140 | 32.93 |
| 35 | 57814 | 3222 | 0.05573 | 0.01148 | 280693 | 0.93993 | 1704960 | 29.49 |
| 40 | 54592 | 3552 | 0.06507 | 0.01346 | 263832 | 0.93003 | 1424267 | 20.09 |
| 45 | 51040 | 3862 | 0.07567 | 0.01574 | 245371 | 0.91554 | 1160434 | 22.74 |
| 50 | 47178 | 4458 | 0.09449 | 0.01984 | 224648 | 0.89147 | 915063 | 19.40 |
| 55 | 42720 | 5331 | 0.12479 | 0.02662 | 200268 | 0.85271 | 690415 | 16.16 |
| 60 | 37389 | 6506 | 0.17402 | 0.03810 | 170770 | 0.79276 | 490148 | 13.11 |
| 65 | 30883 | 7688 | 0.24893 | 0.05679 | 135380 | 0.70382 | 319378 | 10.34 |
| 70 | 23195 | 8392 | 0.36181 | 0.08808 | 95283 | 0.58754 | 183998 | 7.93 |
| 75 | 14803 | 7280 | 0.49177 | 0.13003 | 55982 | 0.36897 | 88715 | 5.99 |
| 80 | 7523 | 7523 | 1.00000 | 0.22984 | 32733 | 0.0 | 32733 | 4.35 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age.

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table II.4 Abridged Life Table for Korea, 1940-1945*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | l(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 12346 | 0.12346 | 0.13513 | 91361 | 0.84548 | 4586392 | 45.86 |
| 1 | 87654 | 9151 | 0.10440 | 0.02762 | 331379 | 0.90741 | 4495031 | 51.28 |
| 5 | 78503 | 3540 | 0.04509 | 0.00923 | 383599 | 0.96492 | 4163652 | 53.04 |
| 10 | 74963 | 1835 | 0.02448 | 0.00496 | 370142 | 0.97460 | 3780053 | 50.43 |
| 15 | 73128 | 1922 | 0.02628 | 0.00533 | 360740 | 0.97149 | 3409912 | 46.63 |
| 20 | 71206 | 2189 | 0.03074 | 0.00625 | 350456 | 0.96679 | 3049171 | 42.82 |
| 25 | 69017 | 2461 | 0.03566 | 0.00726 | 338817 | 0.96145 | 2698716 | 39.10 |
| 30 | 66557 | 2759 | 0.04146 | 0.00847 | 325756 | 0.95553 | 2359899 | 35.46 |
| 35 | 63797 | 3034 | 0.04756 | 0.00975 | 311269 | 0.94982 | 2034143 | 31.88 |
| 40 | 60763 | 3233 | 0.05320 | 0.01093 | 295650 | 0.94426 | 1722874 | 28.35 |
| 45 | 57531 | 3376 | 0.05868 | 0.01209 | 279170 | 0.93424 | 1427227 | 24.81 |
| 50 | 54155 | 3984 | 0.07356 | 0.01527 | 260812 | 0.91429 | 1148054 | 21.20 |
| 55 | 50171 | 4982 | 0.09929 | 0.02089 | 238458 | 0.87995 | 887242 | 17.68 |
| 60 | 45190 | 6498 | 0.14379 | 0.03097 | 209831 | 0.82463 | 648785 | 14.36 |
| 65 | 38692 | 8255 | 0.21335 | 0.04771 | 173033 | 0.74264 | 438954 | 11.34 |
| 70 | 30437 | 9588 | 0.31502 | 0.07462 | 128501 | 0.63467 | 265921 | 8.74 |
| 75 | 20849 | 9149 | 0.43882 | 0.11218 | 81556 | 0.40652 | 137420 | 6.59 |
| 80 | 11700 | 11700 | 1.00000 | 0.20944 | 55864 | 0.0 | 55864 | 4.77 |
| Male | | | | | | | | |
| Age | l(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 14964 | 0.14964 | 0.16715 | 89527 | 0.81869 | 4086418 | 40.86 |
| 1 | 85036 | 9617 | 0.11309 | 0.03007 | 319818 | 0.89835 | 3996891 | 47.00 |
| 5 | 75418 | 3654 | 0.04845 | 0.00994 | 367735 | 0.96254 | 3677073 | 48.76 |
| 10 | 71764 | 1831 | 0.02551 | 0.00517 | 353960 | 0.97249 | 3309338 | 46.11 |
| 15 | 69933 | 2091 | 0.02991 | 0.00608 | 344222 | 0.96371 | 2955378 | 42.26 |
| 20 | 67842 | 2911 | 0.04291 | 0.00878 | 331730 | 0.95565 | 2611156 | 38.49 |
| 25 | 64931 | 2974 | 0.04580 | 0.00938 | 317018 | 0.95235 | 2279425 | 35.11 |
| 30 | 61957 | 3069 | 0.04954 | 0.01017 | 301912 | 0.94681 | 1962407 | 31.67 |
| 35 | 58887 | 3357 | 0.05701 | 0.01174 | 285854 | 0.93701 | 1660495 | 28.20 |
| 40 | 55530 | 3890 | 0.07006 | 0.01452 | 267848 | 0.92268 | 1374641 | 24.75 |
| 45 | 51640 | 4441 | 0.08599 | 0.01797 | 247138 | 0.90349 | 1106794 | 21.43 |
| 50 | 47199 | 5140 | 0.10891 | 0.02302 | 223286 | 0.87573 | 859656 | 18.21 |
| 55 | 42059 | 8008 | 0.14285 | 0.03073 | 195539 | 0.83342 | 636370 | 15.13 |
| 60 | 36051 | 7073 | 0.19620 | 0.04340 | 162966 | 0.76957 | 440831 | 12.23 |
| 65 | 28978 | 7994 | 0.27588 | 0.06374 | 125414 | 0.67351 | 277865 | 9.59 |
| 70 | 20983 | 8425 | 0.40151 | 0.09974 | 84467 | 0.54567 | 152452 | 7.27 |
| 75 | 12558 | 6814 | 0.54261 | 0.14784 | 46091 | 0.32203 | 67984 | 5.41 |
| 80 | 5744 | 5744 | 1.00000 | 0.26237 | 21893 | 0.0 | 21893 | 3.81 |
| Both Sexes | | | | | | | | |
| Age | l(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 13687 | 0.13687 | 0.15137 | 90422 | 0.83176 | 4330308 | 43.30 |
| 1 | 86313 | 9390 | 0.10879 | 0.02885 | 325458 | 0.90284 | 4239886 | 49.12 |
| 5 | 76923 | 3599 | 0.04678 | 0.00958 | 375473 | 0.96373 | 3914429 | 50.89 |
| 10 | 73325 | 1833 | 0.02500 | 0.00507 | 361853 | 0.97354 | 3538955 | 48.26 |
| 15 | 71492 | 2009 | 0.02810 | 0.00570 | 352280 | 0.96760 | 3177102 | 44.44 |
| 20 | 69483 | 2559 | 0.03683 | 0.00751 | 340865 | 0.96124 | 2824822 | 40.65 |
| 25 | 66924 | 2724 | 0.04070 | 0.00831 | 327652 | 0.95694 | 2483957 | 37.12 |
| 30 | 64201 | 2918 | 0.04545 | 0.00931 | 313543 | 0.95123 | 2156306 | 33.59 |
| 35 | 61283 | 3200 | 0.05221 | 0.01073 | 298251 | 0.94353 | 1842763 | 30.07 |
| 40 | 58083 | 3569 | 0.06146 | 0.01268 | 281410 | 0.93374 | 1544511 | 26.59 |
| 45 | 54514 | 3921 | 0.07193 | 0.01492 | 262763 | 0.91943 | 1263101 | 23.17 |
| 50 | 50592 | 4576 | 0.09045 | 0.01894 | 241592 | 0.89604 | 1000338 | 19.77 |
| 55 | 46016 | 5507 | 0.11968 | 0.02544 | 216475 | 0.85842 | 758747 | 16.49 |
| 60 | 40509 | 6793 | 0.16768 | 0.03655 | 185827 | 0.79990 | 542272 | 13.39 |
| 65 | 33716 | 8122 | 0.24088 | 0.05464 | 148643 | 0.71277 | 356445 | 10.57 |
| 70 | 25595 | 8992 | 0.35134 | 0.08488 | 105947 | 0.59833 | 207802 | 8.12 |
| 75 | 16602 | 7953 | 0.47903 | 0.12546 | 63391 | 0.37764 | 101855 | 6.14 |
| 80 | 8649 | 8649 | 1.00000 | 0.22487 | 38464 | 0.0 | 38464 | 4.45 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age. (Mortality levels for ages $x-x+n$ are linearly interpolated from those for 1935-40 and for 1955-60 under assumed normal conditions)

$P(0)$ = Proportion surviving from birth to 0-4.

$P(1)$ = $5L_5/5L_0$

$P(75)$ = $T(30)/T(75)$

Table II.5 Abridged Life Table for Korea, 1945-1950*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 11024 | 0.11024 | 0.11946 | 92285 | 0.86216 | 4844642 | 48.45 |
| 1 | 88976 | 8131 | 0.09138 | 0.02400 | 338795 | 0.91897 | 4752357 | 53.41 |
| 5 | 80845 | 3203 | 0.03962 | 0.00809 | 396150 | 0.96913 | 4413562 | 54.59 |
| 10 | 77642 | 1684 | 0.02169 | 0.00439 | 383920 | 0.97735 | 4017413 | 51.74 |
| 15 | 75958 | 1792 | 0.02359 | 0.00478 | 375225 | 0.97431 | 3633492 | 47.84 |
| 20 | 74166 | 2063 | 0.02782 | 0.00564 | 365585 | 0.96994 | 3258267 | 43.93 |
| 25 | 72103 | 2330 | 0.03231 | 0.00657 | 354596 | 0.96509 | 2892682 | 40.12 |
| 30 | 69773 | 2620 | 0.03756 | 0.00766 | 342217 | 0.95969 | 2538087 | 36.38 |
| 35 | 67152 | 2898 | 0.04315 | 0.00882 | 328422 | 0.95424 | 2195870 | 32.70 |
| 40 | 64254 | 3137 | 0.04882 | 0.01001 | 313393 | 0.94871 | 1867448 | 29.06 |
| 45 | 61117 | 3314 | 0.05423 | 0.01115 | 297319 | 0.93892 | 1554055 | 25.43 |
| 50 | 57803 | 3972 | 0.06871 | 0.01423 | 279159 | 0.91990 | 1256735 | 21.74 |
| 55 | 53831 | 5000 | 0.09289 | 0.01947 | 256799 | 0.88725 | 977576 | 18.16 |
| 60 | 48831 | 6615 | 0.13547 | 0.02903 | 227844 | 0.83403 | 720778 | 14.76 |
| 65 | 42216 | 8549 | 0.20250 | 0.04499 | 190029 | 0.75455 | 492933 | 11.68 |
| 70 | 33667 | 10144 | 0.30132 | 0.07075 | 143386 | 0.64861 | 329204 | 9.00 |
| 75 | 23523 | 9952 | 0.42309 | 0.10701 | 93002 | 0.41698 | 159518 | 6.78 |
| 80 | 13571 | 13571 | 1.00000 | 0.20402 | 66516 | 0.0 | 66516 | 4.90 |
| Male | | | | | | | | |
| 0 | 100000 | 13260 | 0.13260 | 0.14616 | 90721 | 0.83941 | 4311370 | 43.11 |
| 1 | 86740 | 8493 | 0.09791 | 0.02582 | 328984 | 0.91183 | 4220649 | 48.66 |
| 5 | 78247 | 3344 | 0.04273 | 0.00874 | 382700 | 0.96685 | 3891665 | 49.74 |
| 10 | 74904 | 1737 | 0.02320 | 0.00470 | 370013 | 0.97472 | 3508965 | 46.85 |
| 15 | 73166 | 2022 | 0.02764 | 0.00561 | 360659 | 0.96637 | 3138952 | 42.90 |
| 20 | 71144 | 2855 | 0.04013 | 0.00819 | 348530 | 0.95849 | 2778293 | 39.05 |
| 25 | 68289 | 2949 | 0.04318 | 0.00883 | 334063 | 0.95502 | 2429763 | 35.58 |
| 30 | 65340 | 3066 | 0.04692 | 0.00961 | 319037 | 0.94956 | 2095700 | 32.07 |
| 35 | 62275 | 3415 | 0.05484 | 0.01127 | 302944 | 0.93935 | 1776663 | 28.53 |
| 40 | 58860 | 3978 | 0.06758 | 0.01398 | 284571 | 0.92532 | 1473719 | 25.04 |
| 45 | 54882 | 4573 | 0.08332 | 0.01737 | 263319 | 0.90624 | 1189148 | 21.67 |
| 50 | 50309 | 5345 | 0.10624 | 0.02240 | 238630 | 0.87863 | 925829 | 18.40 |
| 55 | 44965 | 6285 | 0.13978 | 0.02998 | 209668 | 0.83666 | 687199 | 15.28 |
| 60 | 38680 | 7458 | 0.19282 | 0.04252 | 175421 | 0.77308 | 477531 | 12.35 |
| 65 | 31221 | 8504 | 0.27237 | 0.06271 | 135614 | 0.67726 | 302111 | 9.68 |
| 70 | 22718 | 9039 | 0.39790 | 0.09842 | 91846 | 0.54934 | 166496 | 7.33 |
| 75 | 13678 | 7365 | 0.53842 | 0.14597 | 50455 | 0.32412 | 74650 | 5.46 |
| 80 | 6314 | 6314 | 1.00000 | 0.26095 | 24196 | 0.0 | 24196 | 3.83 |
| Both Sexes | | | | | | | | |
| 0 | 100000 | 12169 | 0.12169 | 0.13302 | 91484 | 0.85051 | 4571503 | 45.72 |
| .1 | 87831 | 8316 | 0.09468 | 0.02492 | 333770 | 0.91536 | 4480019 | 51.01 |
| 5 | 79515 | 3275 | 0.04119 | 0.00841 | 389261 | 0.96798 | 4146249 | 52.14 |
| 10 | 76239 | 1711 | 0.02245 | 0.00454 | 376797 | 0.97603 | 3756988 | 49.28 |
| 15 | 74528 | 1910 | 0.02563 | 0.00519 | 367764 | 0.97032 | 3380191 | 45.35 |
| 20 | 72618 | 2469 | 0.03400 | 0.00692 | 356850 | 0.96421 | 3012427 | 41.48 |
| 25 | 70149 | 2647 | 0.03773 | 0.00769 | 344079 | 0.96008 | 2655577 | 37.86 |
| 30 | 67502 | 2848 | 0.04220 | 0.00862 | 330344 | 0.95468 | 2311498 | 34.24 |
| 35 | 64654 | 3163 | 0.04892 | 0.01003 | 315372 | 0.94691 | 1981154 | 30.64 |
| 40 | 61491 | 3568 | 0.05802 | 0.01195 | 298631 | 0.93729 | 1665782 | 27.09 |
| 45 | 57924 | 3959 | 0.06834 | 0.01414 | 279905 | 0.92317 | 1367151 | 23.60 |
| 50 | 53965 | 4675 | 0.08663 | 0.01809 | 258400 | 0.90038 | 1087247 | 20.15 |
| 55 | 49290 | 5658 | 0.11480 | 0.02432 | 232658 | 0.86390 | 828846 | 16.82 |
| 60 | 43632 | 7047 | 0.16151 | 0.03506 | 200993 | 0.80678 | 596188 | 13.66 |
| 65 | 36585 | 8526 | 0.23304 | 0.05258 | 162158 | 0.72144 | 395195 | 10.80 |
| 70 | 28059 | 9578 | 0.34137 | 0.08187 | 116988 | 0.60869 | 233037 | 8.31 |
| 75 | 18480 | 8627 | 0.46681 | 0.12115 | 71209 | 0.38638 | 116049 | 6.28 |
| 80 | 9854 | 9854 | 1.00000 | 0.21975 | 44840 | 0.0 | 44840 | 4.55 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age. (Mortality levels for ages $x-x+n$ age linearly interpolated from those for 1935-40 and for 1955-60 under assumed normal conditions)

$P(0)$ = Proportion surviving from birth to 0-4.

$P(1)$ = $5L_5/5L_0$

$P(75)$ = $T(80)/T(75)$

Table II.6 Abridged Life Table for Korea, 1950-1955*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 9786 | 0.09786 | 0.10506 | 93151 | 0.87791 | 5101791 | 51.02 |
| 1 | 90214 | 7146 | 0.07921 | 0.02067 | 345804 | 0.92979 | 5008640 | 55.52 |
| 5 | 83067 | 2859 | 0.03442 | 0.00700 | 408136 | 0.97308 | 4662836 | 56.13 |
| 10 | 80208 | 1531 | 0.01909 | 0.00386 | 397149 | 0.97994 | 4254700 | 53.05 |
| 15 | 78677 | 1656 | 0.02105 | 0.00425 | 389182 | 0.97696 | 3857551 | 49.03 |
| 20 | 77021 | 1932 | 0.02509 | 0.00508 | 380215 | 0.97289 | 3468369 | 45.03 |
| 25 | 75089 | 2193 | 0.02921 | 0.00593 | 369908 | 0.96851 | 3088154 | 41.13 |
| 30 | 72896 | 2470 | 0.03389 | 0.00690 | 358259 | 0.96362 | 2718246 | 37.29 |
| 35 | 70426 | 2748 | 0.03903 | 0.00796 | 345226 | 0.95840 | 2359986 | 33.51 |
| 40 | 67677 | 3023 | 0.04467 | 0.00914 | 330864 | 0.95292 | 2014761 | 29.77 |
| 45 | 64654 | 3236 | 0.05005 | 0.01026 | 315287 | 0.94333 | 1683896 | 26.04 |
| 50 | 61418 | 3939 | 0.06413 | 0.01324 | 297420 | 0.92521 | 1368609 | 22.28 |
| 55 | 57480 | 4993 | 0.08686 | 0.01814 | 275176 | 0.89417 | 1071189 | 18.64 |
| 60 | 52487 | 6696 | 0.12757 | 0.02721 | 246054 | 0.84299 | 796013 | 15.17 |
| 65 | 45791 | 8800 | 0.19218 | 0.04243 | 207421 | 0.76591 | 549959 | 12.01 |
| 70 | 36991 | 10661 | 0.28821 | 0.06711 | 158866 | 0.66196 | 342537 | 9.26 |
| 75 | 26330 | 10745 | 0.40808 | 0.10217 | 105163 | 0.42744 | 183671 | 6.98 |
| 80 | 15585 | 15585 | 1.00000 | 0.19851 | 78509 | 0.0 | 78509 | 5.04 |
| Male | | | | | | | | |
| 0 | 100000 | 11668 | 0.11668 | 0.12705 | 91835 | 0.85892 | 4531717 | 45.32 |
| 1 | 88332 | 7404 | 0.08382 | 0.02193 | 337625 | 0.92432 | 4439882 | 50.26 |
| 5 | 80928 | 3026 | 0.03739 | 0.00762 | 396958 | 0.97087 | 4102257 | 50.69 |
| 10 | 77902 | 1616 | 0.02074 | 0.00419 | 385395 | 0.97710 | 3705299 | 47.56 |
| 15 | 76286 | 1944 | 0.02548 | 0.00516 | 376570 | 0.96889 | 3319904 | 43.52 |
| 20 | 74343 | 2781 | 0.03741 | 0.00762 | 364854 | 0.96123 | 2943334 | 39.59 |
| 25 | 71561 | 2913 | 0.04070 | 0.00831 | 350709 | 0.95754 | 2578480 | 36.03 |
| 30 | 68648 | 3081 | 0.04489 | 0.00918 | 335818 | 0.95169 | 2227771 | 32.45 |
| 35 | 65567 | 3451 | 0.05263 | 0.01080 | 319595 | 0.94168 | 1891953 | 28.86 |
| 40 | 62116 | 4050 | 0.06520 | 0.01346 | 300956 | 0.92781 | 1572358 | 25.31 |
| 45 | 58066 | 4688 | 0.08074 | 0.01679 | 279230 | 0.90891 | 1271402 | 21.90 |
| 50 | 53378 | 5528 | 0.10357 | 0.02178 | 253795 | 0.88151 | 992172 | 18.59 |
| 55 | 47850 | 6548 | 0.13684 | 0.02927 | 223723 | 0.83976 | 738378 | 15.43 |
| 60 | 41302 | 7830 | 0.18957 | 0.04168 | 187873 | 0.77653 | 514655 | 12.46 |
| 65 | 33473 | 9001 | 0.26891 | 0.06170 | 145889 | 0.68097 | 326782 | 9.76 |
| 70 | 24471 | 9647 | 0.39422 | 0.09711 | 99346 | 0.55305 | 180892 | 7.39 |
| 75 | 14824 | 7919 | 0.53419 | 0.14413 | 54943 | 0.32623 | 81546 | 5.50 |
| 80 | 6906 | 6906 | 1.00000 | 0.25958 | 26603 | 0.0 | 26603 | 3.85 |
| Both Sexes | | | | | | | | |
| 0 | 100000 | 10750 | 0.10750 | 0.11624 | 92477 | 0.86818 | 4809802 | 48.10 |
| 1 | 89250 | 7278 | 0.08155 | 0.02131 | 341615 | 0.92702 | 4717325 | 52.86 |
| 5 | 81972 | 2945 | 0.03592 | 0.00732 | 402411 | 0.97196 | 4375710 | 53.38 |
| 10 | 79027 | 1575 | 0.01992 | 0.00403 | 391129 | 0.97851 | 3973299 | 50.28 |
| 15 | 77452 | 1803 | 0.02328 | 0.00471 | 382722 | 0.97289 | 3582171 | 46.25 |
| 20 | 75649 | 2367 | 0.03129 | 0.00636 | 372348 | 0.96704 | 3199449 | 42.29 |
| 25 | 73282 | 2562 | 0.03496 | 0.00711 | 360074 | 0.96304 | 2827101 | 38.58 |
| 30 | 70720 | 2783 | 0.03936 | 0.00803 | 346765 | 0.95770 | 2467027 | 34.88 |
| 35 | 67937 | 3108 | 0.04575 | 0.00936 | 332098 | 0.95016 | 2120262 | 31.21 |
| 40 | 64829 | 3549 | 0.05475 | 0.01125 | 315545 | 0.94065 | 1788164 | 27.58 |
| 45 | 61280 | 3980 | 0.06494 | 0.01341 | 296819 | 0.92674 | 1472619 | 24.03 |
| 50 | 57300 | 4753 | 0.08294 | 0.01728 | 275075 | 0.90456 | 1175800 | 20.52 |
| 55 | 52547 | 5789 | 0.11017 | 0.02327 | 248822 | 0.86911 | 900725 | 17.14 |
| 60 | 46758 | 7277 | 0.15562 | 0.03365 | 216254 | 0.81342 | 651903 | 13.94 |
| 65 | 39482 | 8903 | 0.22550 | 0.05061 | 175905 | 0.72983 | 435648 | 11.03 |
| 70 | 30578 | 10142 | 0.33166 | 0.07900 | 128380 | 0.61879 | 259744 | 8.49 |
| 75 | 20437 | 9297 | 0.45494 | 0.11704 | 79441 | 0.39526 | 131363 | 6.43 |
| 80 | 11139 | 11139 | 1.00000 | 0.21454 | 51923 | 0.0 | 51923 | 4.66 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age. (Mortality levels for ages $x-x+n$ are linearly interpolated from those for 1935-40 and for 1955-60 under assumed normal conditions)

$P(0)$ = Proportion surviving from birth to 0-4.

$P(1)$ = $5L_5/5L_0$

$P(75)$ = $T(80)/T(75)$

Table II.7 Abridged Life Table for Korea, 1955-1960*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 8625 | 0.08625 | 0.09179 | 93963 | 0.89282 | 5357118 | 53.57 |
| 1 | 91375 | 6195 | 0.06779 | 0.01758 | 352447 | 0.93981 | 5263155 | 57.60 |
| 5 | 85181 | 2519 | 0.02958 | 0.00600 | 419541 | 0.97678 | 4910708 | 57.65 |
| 10 | 82661 | 1379 | 0.01669 | 0.00337 | 409799 | 0.98237 | 4491167 | 54.33 |
| 15 | 81282 | 1515 | 0.01864 | 0.00376 | 402574 | 0.97945 | 4081369 | 50.21 |
| 20 | 79767 | 1794 | 0.02250 | 0.00455 | 394301 | 0.97568 | 3678794 | 46.12 |
| 25 | 77972 | 2046 | 0.02624 | 0.00532 | 384712 | 0.97174 | 3284493 | 42.12 |
| 30 | 75927 | 2312 | 0.03045 | 0.00618 | 373840 | 0.96732 | 2899781 | 38.19 |
| 35 | 73615 | 2586 | 0.03512 | 0.00715 | 361623 | 0.96234 | 2525942 | 34.31 |
| 40 | 71029 | 2894 | 0.04074 | 0.00831 | 348004 | 0.95690 | 2164319 | 30.47 |
| 45 | 68135 | 3137 | 0.04604 | 0.00942 | 333005 | 0.94750 | 1816315 | 26.66 |
| 50 | 64998 | 3887 | 0.05980 | 0.01232 | 315522 | 0.93026 | 1483310 | 22.82 |
| 55 | 61112 | 4957 | 0.08112 | 0.01689 | 293518 | 0.90077 | 1167787 | 19.11 |
| 60 | 56155 | 6743 | 0.12007 | 0.02550 | 264392 | 0.85152 | 874270 | 15.57 |
| 65 | 49412 | 9010 | 0.18235 | 0.04002 | 225135 | 0.77675 | 609878 | 12.34 |
| 70 | 40402 | 11143 | 0.27581 | 0.06372 | 174874 | 0.67461 | 384743 | 9.52 |
| 75 | 29253 | 11524 | 0.39388 | 0.09769 | 117972 | 0.43788 | 209869 | 7.17 |
| 80 | 17734 | 17734 | 1.00000 | 0.19298 | 91897 | 0.0 | 91897 | 5.18 |
| Male | | | | | | | | |
| 0 | 100000 | 10182 | 0.10182 | 0.10963 | 92874 | 0.87329 | 4726207 | 47.26 |
| 1 | 89818 | 6342 | 0.07061 | 0.01845 | 343771 | 0.93590 | 4633333 | 51.59 |
| 5 | 83476 | 2706 | 0.03242 | 0.00662 | 408656 | 0.97464 | 4289562 | 51.39 |
| 10 | 80770 | 1489 | 0.01843 | 0.00374 | 398293 | 0.97934 | 3880906 | 48.05 |
| 15 | 79281 | 1860 | 0.02346 | 0.00477 | 390064 | 0.97128 | 3482613 | 43.93 |
| 20 | 77421 | 2704 | 0.03493 | 0.00714 | 378861 | 0.96380 | 3092550 | 39.94 |
| 25 | 74717 | 2863 | 0.03832 | 0.00784 | 365146 | 0.95997 | 2713688 | 36.32 |
| 30 | 71853 | 3068 | 0.04270 | 0.00875 | 350530 | 0.95402 | 2348542 | 32.69 |
| 35 | 68785 | 3478 | 0.05056 | 0.01040 | 334412 | 0.94391 | 1998012 | 29.05 |
| 40 | 65307 | 4106 | 0.06287 | 0.01301 | 315655 | 0.93032 | 1663600 | 25.47 |
| 45 | 61202 | 4789 | 0.07825 | 0.01631 | 293660 | 0.91148 | 1347945 | 22.02 |
| 50 | 56413 | 5694 | 0.10094 | 0.02127 | 267665 | 0.88434 | 1054285 | 18.69 |
| 55 | 50718 | 6791 | 0.13390 | 0.02869 | 236707 | 0.84287 | 786619 | 15.51 |
| 60 | 43927 | 8192 | 0.18650 | 0.04106 | 199513 | 0.77980 | 549912 | 12.52 |
| 65 | 35735 | 9484 | 0.26540 | 0.06096 | 155581 | 0.68470 | 350399 | 9.81 |
| 70 | 26250 | 10253 | 0.39059 | 0.09625 | 106526 | 0.55671 | 194818 | 7.42 |
| 75 | 15997 | 8478 | 0.52996 | 0.14295 | 59304 | 0.32832 | 88292 | 5.52 |
| 80 | 7520 | 7520 | 1.00000 | 0.25940 | 28988 | 0.0 | 28988 | 3.86 |
| Both Sexes | | | | | | | | |
| 0 | 100000 | 9422 | 0.09422 | 0.10088 | 93405 | 0.88282 | 5033969 | 50.34 |
| 1 | 90578 | 6270 | 0.06923 | 0.01802 | 348003 | 0.93783 | 4940563 | 54.55 |
| 5 | 84307 | 2615 | 0.03102 | 0.00632 | 413966 | 0.97570 | 4592560 | 54.47 |
| 10 | 81692 | 1435 | 0.01757 | 0.00355 | 403905 | 0.98084 | 4178595 | 51.15 |
| 15 | 80257 | 1692 | 0.02108 | 0.00427 | 396166 | 0.97533 | 3774689 | 47.03 |
| 20 | 78565 | 2260 | 0.02877 | 0.00585 | 386393 | 0.96971 | 3378523 | 43.00 |
| 25 | 76305 | 2465 | 0.03230 | 0.00658 | 374691 | 0.96587 | 2992130 | 39.21 |
| 30 | 73840 | 2699 | 0.03656 | 0.00746 | 361900 | 0.96072 | 2617439 | 35.45 |
| 35 | 71141 | 3043 | 0.04277 | 0.00875 | 347686 | 0.95326 | 2255539 | 31.71 |
| 40 | 68098 | 3514 | 0.05161 | 0.01060 | 331435 | 0.94393 | 1907853 | 28.02 |
| 45 | 64584 | 3983 | 0.06167 | 0.01273 | 312853 | 0.93018 | 1576418 | 24.41 |
| 50 | 60601 | 4813 | 0.07941 | 0.01654 | 291010 | 0.90863 | 1263565 | 20.85 |
| 55 | 55788 | 5897 | 0.10569 | 0.02230 | 264420 | 0.87422 | 972555 | 17.43 |
| 60 | 49892 | 7485 | 0.15003 | 0.03238 | 231162 | 0.81981 | 708135 | 14.19 |
| 65 | 42406 | 9253 | 0.21820 | 0.04883 | 189510 | 0.73804 | 476974 | 11.25 |
| 70 | 33154 | 10687 | 0.32236 | 0.07641 | 139866 | 0.62862 | 287464 | 8.67 |
| 75 | 22466 | 9964 | 0.44351 | 0.11333 | 87922 | 0.40431 | 147598 | 6.57 |
| 80 | 12502 | 12502 | 1.00000 | 0.20950 | 59676 | 0.0 | 59676 | 4.77 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age.

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table II.8 Abridged Life Table for Korea, 1960–1965*

| Female | | | | | | | | |
|------------|--------|-------|---------|---------|--------|---------|---------|-------|
| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
| 0 | 100000 | 7488 | 0.07488 | 0.07902 | 94759 | 0.90751 | 5585497 | 55.85 |
| 1 | 92512 | 5218 | 0.05640 | 0.01453 | 358996 | 0.94962 | 5490738 | 59.35 |
| 5 | 87295 | 2202 | 0.02522 | 0.00511 | 430895 | 0.98012 | 5131742 | 58.79 |
| 10 | 85093 | 1245 | 0.01463 | 0.00295 | 422329 | 0.98439 | 4700847 | 55.24 |
| 15 | 83847 | 1412 | 0.01684 | 0.00340 | 415736 | 0.98134 | 4278518 | 51.03 |
| 20 | 82435 | 1715 | 0.02080 | 0.00420 | 407978 | 0.97757 | 3862782 | 48.86 |
| 25 | 80720 | 1975 | 0.02446 | 0.00495 | 398827 | 0.97368 | 3454804 | 42.80 |
| 30 | 78745 | 2263 | 0.02874 | 0.00583 | 388330 | 0.96920 | 3055976 | 38.81 |
| 35 | 76482 | 2564 | 0.03353 | 0.00681 | 376370 | 0.96396 | 2667646 | 34.88 |
| 40 | 73918 | 2877 | 0.03892 | 0.00793 | 362805 | 0.95878 | 2291276 | 31.00 |
| 45 | 71041 | 3119 | 0.04390 | 0.00897 | 347851 | 0.94980 | 1928471 | 27.15 |
| 50 | 67923 | 3880 | 0.05713 | 0.01174 | 330388 | 0.93342 | 1580620 | 23.27 |
| 55 | 64042 | 4940 | 0.07713 | 0.01602 | 308391 | 0.90543 | 1250232 | 19.52 |
| 60 | 59102 | 6751 | 0.11422 | 0.02418 | 279227 | 0.85824 | 941840 | 15.94 |
| 65 | 52352 | 9107 | 0.17396 | 0.03800 | 239643 | 0.78616 | 662614 | 12.66 |
| 70 | 43244 | 11411 | 0.26386 | 0.06057 | 188398 | 0.68679 | 422970 | 9.78 |
| 75 | 31834 | 12104 | 0.38023 | 0.09355 | 129390 | 0.44840 | 234572 | 7.37 |
| 80 | 19730 | 19730 | 1.00000 | 0.18758 | 105182 | 0.0 | 105182 | 5.33 |
| Male | | | | | | | | |
| 0 | 100000 | 9944 | 0.09944 | 0.10688 | 93039 | 0.88022 | 4847591 | 48.48 |
| 1 | 90056 | 6185 | 0.06868 | 0.01782 | 347071 | 0.93774 | 4754552 | 52.80 |
| 5 | 83871 | 2617 | 0.03121 | 0.00634 | 412709 | 0.97560 | 4407481 | 52.55 |
| 10 | 81253 | 1432 | 0.01762 | 0.00356 | 402639 | 0.98017 | 3994772 | 49.16 |
| 15 | 97821 | 1789 | 0.02242 | 0.00453 | 394654 | 0.97253 | 3592133 | 45.00 |
| 20 | 78032 | 2590 | 0.03319 | 0.00675 | 383813 | 0.96563 | 3197479 | 40.98 |
| 25 | 75442 | 2724 | 0.03611 | 0.00735 | 370622 | 0.96233 | 2813666 | 37.30 |
| 30 | 72718 | 2903 | 0.03992 | 0.00814 | 356660 | 0.95706 | 2443044 | 33.60 |
| 35 | 69815 | 3268 | 0.04680 | 0.00957 | 341345 | 0.94804 | 2086384 | 29.88 |
| 40 | 66547 | 3881 | 0.05832 | 0.01199 | 323609 | 0.93522 | 1745039 | 26.22 |
| 45 | 62666 | 4565 | 0.07285 | 0.01508 | 302646 | 0.91717 | 1421430 | 22.68 |
| 50 | 58101 | 5514 | 0.09491 | 0.01987 | 277577 | 0.89115 | 1118784 | 19.26 |
| 55 | 52587 | 6637 | 0.12621 | 0.02683 | 247363 | 0.85131 | 841207 | 16.00 |
| 60 | 45950 | 8130 | 0.17693 | 0.03861 | 210583 | 0.79033 | 593844 | 12.92 |
| 65 | 37820 | 9582 | 0.25336 | 0.05757 | 166430 | 0.69812 | 383261 | 10.13 |
| 70 | 28238 | 10561 | 0.37399 | 0.09089 | 116188 | 0.57344 | 216831 | 7.68 |
| 75 | 17677 | 9027 | 0.51066 | 0.13549 | 66627 | 0.33799 | 100643 | 5.69 |
| 80 | 8650 | 8650 | 1.00000 | 0.25430 | 34016 | 0.0 | 34016 | 3.93 |
| Both Sexes | | | | | | | | |
| 0 | 10000 | 8746 | 0.08746 | 0.09316 | 93878 | 0.89353 | 5207545 | 52.08 |
| 1 | 91254 | 5713 | 0.06261 | 0.01619 | 352888 | 0.94363 | 5113667 | 56.04 |
| 5 | 85541 | 2415 | 0.02823 | 0.00573 | 421580 | 0.97785 | 4760779 | 55.66 |
| 10 | 83126 | 1341 | 0.01613 | 0.00325 | 412244 | 0.98228 | 4339199 | 52.20 |
| 15 | 81785 | 1605 | 0.01963 | 0.00396 | 404938 | 0.97694 | 3926955 | 48.02 |
| 20 | 80180 | 2163 | 0.02698 | 0.00547 | 395601 | 0.97164 | 3522017 | 43.93 |
| 25 | 78017 | 2358 | 0.03023 | 0.00614 | 384381 | 0.96807 | 3126416 | 40.07 |
| 30 | 75658 | 2591 | 0.03425 | 0.00696 | 372109 | 0.96324 | 2742035 | 36.24 |
| 35 | 73067 | 2925 | 0.04003 | 0.00816 | 358430 | 0.95619 | 2369926 | 32.43 |
| 40 | 70143 | 3391 | 0.04835 | 0.00989 | 342729 | 0.94739 | 2011496 | 28.68 |
| 45 | 66752 | 3860 | 0.05782 | 0.01189 | 324697 | 0.93422 | 1668767 | 25.00 |
| 50 | 62892 | 4717 | 0.07501 | 0.01555 | 303339 | 0.91361 | 1344070 | 21.37 |
| 55 | 58175 | 5809 | 0.09986 | 0.02096 | 277133 | 0.88069 | 1040731 | 17.89 |
| 60 | 52366 | 7457 | 0.14240 | 0.03055 | 244068 | 0.82823 | 763598 | 14.58 |
| 65 | 44909 | 9350 | 0.20821 | 0.04626 | 202144 | 0.74903 | 519531 | 11.57 |
| 70 | 35558 | 10975 | 0.30866 | 0.07249 | 151412 | 0.64224 | 317387 | 8.93 |
| 75 | 24583 | 10528 | 0.42827 | 0.10827 | 97243 | 0.41411 | 165974 | 6.75 |
| 80 | 14055 | 14055 | 1.00000 | 0.20449 | 68731 | 0.0 | 68731 | 4.89 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age.

P(0) = Proportion surviving from birth to 0-4.

P(1) = 5L5/5L0

P(75) = T(80)/T(75)

Table II.9 Abridged Life Table for Korea, 1965-1970*

Female

| Age | I(X) | D(X) | Q(X) | M(X) | L(X) | P(X) | T(X) | E(X) |
|-----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 8038 | 0.08038 | 0.08523 | 94310 | 0.89914 | 5581639 | 55.82 |
| 1 | 91962 | 5245 | 0.05703 | 0.01476 | 355260 | 0.95242 | 5487329 | 59.67 |
| 5 | 86717 | 2155 | 0.02485 | 0.00503 | 428179 | 0.98023 | 5132069 | 59.18 |
| 10 | 84562 | 1228 | 0.01452 | 0.00293 | 419714 | 0.98439 | 4703890 | 55.63 |
| 15 | 83334 | 1393 | 0.01672 | 0.00337 | 413163 | 0.98148 | 4284176 | 51.41 |
| 20 | 81941 | 1666 | 0.02033 | 0.00411 | 405511 | 0.97807 | 3871013 | 47.24 |
| 25 | 80275 | 1891 | 0.02356 | 0.00477 | 396618 | 0.97471 | 3465502 | 43.17 |
| 30 | 78384 | 2119 | 0.02703 | 0.00548 | 386588 | 0.97094 | 3068884 | 39.15 |
| 35 | 76265 | 2372 | 0.03110 | 0.00632 | 375353 | 0.96623 | 2682296 | 35.17 |
| 40 | 73893 | 2719 | 0.03680 | 0.00750 | 362678 | 0.96080 | 2306943 | 31.22 |
| 45 | 71174 | 2982 | 0.04190 | 0.00856 | 348472 | 0.95178 | 1944265 | 27.32 |
| 50 | 68192 | 3757 | 0.05509 | 0.01133 | 331668 | 0.93581 | 1595793 | 23.40 |
| 55 | 64435 | 4779 | 0.07417 | 0.01540 | 310378 | 0.90874 | 1264125 | 19.62 |
| 60 | 59656 | 6580 | 0.11030 | 0.02333 | 282053 | 0.86256 | 953747 | 15.99 |
| 65 | 53076 | 8951 | 0.16864 | 0.03679 | 243288 | 0.79191 | 671694 | 12.66 |
| 70 | 44125 | 11329 | 0.25677 | 0.05880 | 192662 | 0.69386 | 428406 | 9.71 |
| 75 | 32796 | 12219 | 0.37258 | 0.09140 | 133681 | 0.43294 | 235744 | 7.19 |
| 80 | 20577 | 20577 | 1.00000 | 0.20161 | 102063 | 0.0 | 102063 | 4.96 |

Male

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 9997 | 0.09997 | 0.10717 | 93284 | 0.87792 | 4896039 | 48.96 |
| 1 | 90003 | 5832 | 0.06480 | 0.01687 | 345676 | 0.94440 | 4802753 | 53.36 |
| 5 | 84171 | 2566 | 0.03049 | 0.00619 | 414554 | 0.97611 | 4457079 | 52.95 |
| 10 | 81605 | 1335 | 0.01636 | 0.00330 | 404650 | 0.98008 | 4042525 | 49.54 |
| 15 | 80270 | 1827 | 0.02276 | 0.00461 | 396590 | 0.97223 | 3637875 | 45.32 |
| 20 | 78443 | 2636 | 0.03360 | 0.00684 | 385576 | 0.96531 | 3241285 | 41.32 |
| 25 | 75807 | 2767 | 0.03650 | 0.00744 | 372201 | 0.96203 | 2855709 | 37.67 |
| 30 | 73040 | 2940 | 0.04025 | 0.00821 | 358068 | 0.95689 | 2483508 | 34.00 |
| 35 | 70100 | 3297 | 0.04703 | 0.00962 | 342632 | 0.94806 | 2125440 | 30.32 |
| 40 | 66803 | 3848 | 0.05760 | 0.01185 | 324836 | 0.93627 | 1782808 | 26.69 |
| 45 | 62955 | 4473 | 0.07105 | 0.01471 | 304134 | 0.91939 | 1457972 | 23.16 |
| 50 | 58482 | 5366 | 0.09175 | 0.01919 | 279618 | 0.89514 | 1153838 | 19.73 |
| 55 | 53116 | 6407 | 0.12062 | 0.02560 | 250297 | 0.85783 | 874220 | 16.46 |
| 60 | 46709 | 7858 | 0.16823 | 0.03660 | 214712 | 0.80031 | 623923 | 13.36 |
| 65 | 38851 | 9321 | 0.23992 | 0.05424 | 171836 | 0.71349 | 409211 | 10.53 |
| 70 | 29530 | 10392 | 0.35191 | 0.08476 | 122603 | 0.59582 | 237375 | 8.04 |
| 75 | 19138 | 9281 | 0.48495 | 0.12704 | 73050 | 0.36352 | 114772 | 6.00 |
| 80 | 9857 | 9857 | 1.00000 | 0.23625 | 41722 | 0.0 | 41722 | 4.23 |

Both Sexes

| | | | | | | | | |
|----|--------|-------|---------|---------|--------|---------|---------|-------|
| 0 | 100000 | 9041 | 0.09041 | 0.09640 | 93784 | 0.88827 | 5230478 | 52.30 |
| 1 | 90959 | 5546 | 0.06097 | 0.01583 | 350351 | 0.94836 | 5136694 | 56.47 |
| 5 | 85413 | 2366 | 0.02770 | 0.00562 | 421200 | 0.97816 | 4786343 | 56.04 |
| 10 | 83047 | 1282 | 0.01544 | 0.00311 | 411999 | 0.98222 | 4365143 | 52.56 |
| 15 | 81765 | 1616 | 0.01976 | 0.00399 | 404675 | 0.97683 | 3953144 | 48.35 |
| 20 | 80149 | 2163 | 0.02699 | 0.00547 | 395300 | 0.97170 | 3548469 | 44.27 |
| 25 | 77986 | 2339 | 0.02999 | 0.00609 | 384112 | 0.96842 | 3153169 | 40.43 |
| 30 | 75647 | 2540 | 0.03358 | 0.00683 | 371980 | 0.96401 | 2769057 | 36.60 |
| 35 | 73107 | 2846 | 0.03893 | 0.00794 | 358593 | 0.95734 | 2397077 | 32.79 |
| 40 | 70261 | 3297 | 0.04693 | 0.00960 | 343296 | 0.94893 | 2038484 | 29.01 |
| 45 | 66964 | 3745 | 0.05593 | 0.01150 | 325762 | 0.93629 | 1695188 | 25.31 |
| 50 | 63219 | 4581 | 0.07246 | 0.01502 | 305008 | 0.91671 | 1369426 | 21.66 |
| 55 | 58638 | 5614 | 0.09574 | 0.02008 | 279605 | 0.88540 | 1064418 | 18.15 |
| 60 | 53024 | 7234 | 0.13643 | 0.02922 | 247561 | 0.83491 | 784813 | 14.80 |
| 65 | 45790 | 9140 | 0.19961 | 0.04422 | 206691 | 0.75851 | 537252 | 11.73 |
| 70 | 36650 | 10850 | 0.29604 | 0.06921 | 156778 | 0.65459 | 330561 | 9.02 |
| 75 | 25800 | 10714 | 0.41527 | 0.10440 | 102626 | 0.40946 | 173783 | 6.74 |
| 80 | 15086 | 15086 | 1.00000 | 0.21201 | 71157 | 0.0 | 71157 | 4.72 |

*Based on North Regional Model Life Tables on assumption of downward mortality level with increase of age.

P(0)=Proportion surviving from birth to 0-4.

P(1)=5L5/5L0

P(75)=T(80)/T(75)

Appendix: PROPORTIONAL RELATIONSHIP AMONG SINGLE YEAR OF AGE DISTRIBUTIONS OF A STATIONARY POPULATION FOR AGES x TO $x+n$

In a stationary population,

$$d_x = l_x - l_{x+1}$$

$${}_n d_x = \sum_{i=x}^{x+(n-1)} d_i$$

The total number of life table deaths from the exact age a to any exact age x will be

$$A_x = l_a - l_x = d_a + d_{a+1} + \dots + d_{x-1}$$

and to a 'standard age s ' [$a \leq s \leq a+n-1$],

$$A_s = l_a - l_s = d_a + d_{a+1} + \dots + d_{s-1}$$

It is obvious that in a given life table $A_x/n d_x$ and $A_s/n d_x$ will be constant; so will be $A_x/A_s = \delta_x$.

With reference to a fixed age a ,

$$l_x = l_a - A_x$$

$$l_a = l_s + A_s$$

Then

$$l_x = l_s + A_s - A_x$$

and using $A_x/A_s = \delta_x$,

$$l_x = l_s + A_s - A_s \delta_x = l_s + A_s(1 - \delta_x) \quad (1)$$

Let ${}_n K_a = \sum_{i=a}^{a+(n-1)} l_i$

For any age x such that $a \leq x \leq a+n-1$,

$${}_n K_x = \sum l_x$$

$$= n l_s + A_s [(1 - \delta_x) + (1 - \delta_{x+1}) + \dots + (1 - \delta_{x+n-1})]$$

$$= n l_s + A_s \left(n - \sum_x \delta_x \right) \quad (2)$$

$$n l_s + n A_s = {}_n K_x + A_s \sum \delta_x$$

$$l_s + A_s = \frac{{}_n K_x}{n} + A_s \frac{\sum \delta_x}{n} \quad (3)$$

From (1) and (3)

$$l_x = \frac{{}_n K_x}{n} + A_s \frac{\sum \delta_x}{n} - A_s \delta_x$$

$$= \frac{{}_n K_x}{n} + A_s \left(\frac{\sum \delta_x}{n} - \delta_x \right)$$

$$\frac{l_x}{{}_n K_x} = \frac{1}{n} + \frac{A_s}{{}_n K_x} \left(\frac{\sum \delta_x}{n} - \delta_x \right) \quad (4)$$

Writing $R_x = \frac{l_x}{{}_n K_x}$ and R_s for $\frac{l_s}{{}_n K_x}$, from (2)

$$\frac{A_s(n - \sum \delta_x)}{{}_n K_x} = 1 - \frac{n l_s}{{}_n K_x}$$

$$= 1 - n R_s$$

$$\frac{A_s}{{}_n K_x} = \frac{1 - n R_s}{n - \sum \delta_x} \quad (5)$$

from (4)

$$R_x = \frac{1}{n} + \frac{1 - n R_s}{n - \sum \delta_x} \left(\frac{\sum \delta_x}{n} - \delta_x \right)$$

$$= \frac{1}{n} + \frac{\sum \delta_x - n \delta_x}{n - \sum \delta_x} (1 - n R_s)$$

Writing

$$k_x = \frac{\sum \delta_x - n \delta_x}{n(n - \sum \delta_x)}$$

k_x will be constant and

$$R_x = \frac{1}{n} + k_x(1 - n R_s) \quad (6)$$

Consequently from (6), the proportions of single years of age distributions in a life table (R_x) can be obtained within an age group x to $x+n$ if the proportion of any single year of age (R_s) and the pattern of death distribution in that age group (k_x or δ_x) are known.