



**COMPLETE LIFE TABLES OF ISRAEL**

**2004-2008**

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## PREFACE

The Complete Life Tables of Israel presents complete life tables for 2004-2008.

This publication is part of an annual series of publications on that topic.

Complete life tables are produced for periods of five calendar years.

The tables include information on the probability of death and on life expectancy, including standard deviation and confidence intervals.

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## INTRODUCTION

### 1. GENERAL

This publication presents complete life tables of Israel for 2004-2008. The tables contain information on probabilities of death and life expectancy, including standard deviation and confidence intervals. Data are presented by population group, sex, and age.

The Central Bureau of Statistics produces two series of life tables – abridged<sup>1</sup> and complete – on a regular basis. The abridged life tables (by five-year age groups) are produced for every calendar year, and the complete life tables (for single years of age) are produced for periods of five calendar years (average). Data in the complete life tables may differ from those in the abridged tables, especially in older age groups, owing to differences in the methods of calculation (see Section 3, "Methods of Computation").

### 2. MAIN FINDINGS

The life expectancy at birth in 2004-2008 of the total population was 82.2 years for females and 78.3 years for males. For Jews and Others, life expectancy was 82.7 years for females and 78.8 years for males. In addition, life expectancy of female Jews was 82.6, and that of male Jews was 79.1. For Arabs life expectancy was 79.0 for females and 75.3 for males.

Based on the age-specific mortality rates in 2004-2008, more than half of the females born these years are expected to live more than 84 years, and more than half of the males born in the same period are expected to live more than 81 years. Assuming that mortality rates will remain unchanged, 27.8% of the females and 19.2% of the males born between 2004-2008 are expected to live at least 90 years. Women aged 65 in this period can expect to live an additional 20 years on the average, whereas women aged 80 are expected to live another 8.9 years on the average. Men aged 65 are expected to live 17.9 more years on average, and men aged 80 are expected to live another 8.2 years on average.

Israeli males rank among the group of countries with the highest life expectancy in comparison with other countries. According to the World Health Report 2009<sup>2</sup>, which presents data for the year 2007, the life expectancy of Israeli males equals (rounded figure) that of the leading countries, (Japan, Sweden, Italy, Australia and Switzerland) in which it is 79 years.

Israeli women rank lower, and their life expectancy is four years less than that of the leading country, Japan (86 years). Women in Ireland, Belgium, Germany, United Kingdom, Netherlands, Greece and Portugal have a life expectancy similar to that of Israeli women – 82 years.

<sup>1</sup> See *Statistical Abstract of Israel No. 60, 2009* Central Bureau of Statistics, Chapter 3 – Vital Statistics.

<sup>2</sup> World Health Organization, *World Health Statistics, 2009*.

### 3. METHODS OF COMPUTATION

#### A. Types of Life Tables

There are two types of life tables: period life tables, and cohort life tables.

The life tables presented in this publication are complete period life tables for single years of age from birth (age 0) until age 100.

**Period life tables.** Period life tables are meant to describe patterns of mortality for a specific period. A period life table reflects the mortality of a hypothetical cohort born in a given year, assuming that this generation will experience at each age the mortality rates existing during that year for each age group. For example, the life table for 1990 assumes that survivors of the generation born in 1990 will be exposed at every age from 0 to 100 to the mortality rates that prevailed at every age from birth up to age 100 in 1990. Thus, the calculation resembles a projection, on the assumption that mortality rates will remain constant.

**Cohort life tables.** In a cohort (generational) life table, mortality rates in a particular birth cohort are observed until all individuals in that cohort die. For example, the annual probabilities of deaths of persons born in 1900 can be tracked until 2000, and their mortality rates can be obtained at every age, from birth to age 100. With this data, a life table can be compiled for the entire cohort, assuming that most of them died by 2000. In order to produce a cohort life table, mortality and immigration data have to be collected over a long period of time. This follow-up is practical only among "closed" populations with no migration, which is far from the case in Israel. Moreover, the value of a cohort table is mainly historical, because it reflects mortality rates of individuals born long ago, who lived under different conditions from those prevailing at the time the table was prepared.

#### B. Confidence Intervals

Mortality rates in Israel, as in all countries, are subject to stochastic variation (statistical errors) and to a variety of non-stochastic errors, such as those that arise from errors in reported year of birth or age at death. Due to both kinds of error, calculated mortality rates may differ from the "true" mortality rate, which would have been obtained if it were possible to overcome these errors. Stochastic variations are more significant when the number of deaths is smaller, for example among small population groups or in a single year of age or over a short period of time.

This publication presents both standard deviation and confidence intervals for the probability of death and for life expectancy. The confidence intervals are symmetric, reflect only stochastic variation, and are based on the assumption that age-specific deaths follow a binomial distribution<sup>1</sup>.

A confidence interval of 95% represents a range in which the true value of the parameter will be found in 95% of the cases. Whenever the confidence intervals of two probabilities or expected years of life overlap between different ages or different groups, the difference is not statistically significant (at a confidence level of 95%).

<sup>1</sup> Chiang, C. L. "Statistical Inference Regarding Life Table Functions". In: C.L. Chiang, *The Life Table and its Applications*, Malabar, FL: Robert E. Krieger Publishers, pp. 153-167, 1984.

The confidence interval of the probability of death ( $q_x$ ) is dependent on the number of deaths in the reference group. Accordingly, there are differences in the relative width of the confidence interval at different ages. At younger ages, in which there are fewer deaths, the confidence interval is wider than at older ages, where there are more deaths. Similarly, the relative width of the confidence interval differs among different population groups. Because there are fewer deaths in the Arab population than in the Jewish population, the relative width of the confidence intervals is greater among the Arabs.

The confidence interval of life expectancy is a function of the confidence interval of the probability of death, and is therefore narrower for the Jewish population than for the Arab population. For example, among Jewish females the confidence interval for life expectancy at birth is ( $\pm$ ) 0.1 years, compared with ( $\pm$ ) 0.25 years for Arab females.

Confidence intervals for life expectancy and for probabilities of death were calculated using the methods developed by Chiang<sup>1</sup>, where the significance level  $\alpha=0.05$  corresponds to a standardized normal distribution value of  $z=1.96$ . The confidence interval was calculated for the estimated probability of death, which was obtained from the smoothed model (see Section C - "Smoothing Techniques" below).

Standard Deviation of the probability of death:  $S_{q_x} = \sqrt{\frac{\hat{q}_x^2(1-\hat{q}_x)}{D_x}}$

Confidence interval:  $CI = 2 * 1.96 * S_{q_x}$

Standard Deviation of life expectancy:

$$S_{e_x} = \sqrt{\frac{T_x}{I_x^2}}$$

$D_x$  - Absolute number of deaths at age x.

$T_x$  - The total number of person-years lived by cohort survivors after reaching age x.

$I_x$  - The number of survivors at exact age x out of 100,000 infants born.

### C. Smoothing Techniques

Stochastic variation is not the only source of "error" in life table functions. Therefore, in order to overcome irregularities from all sources, it is customary to use a "smoothing" technique of some kind.

An "abridged" life table, which is based on mortality rates among broad age groups and not on single years of age, is less exposed to stochastic variations and other errors.

The problems are more serious when calculating a "complete" life table based on single years of age. Complete life tables in Israel for 1986-1990 until 1995-1999 were computed using the MORTPAK<sup>2</sup> software package, which was provided by the United Nations. The software allows for calculation of complete life tables by estimating a Heligman-Pollard (H-P)

<sup>1</sup> Chiang, C.L. 1984.

<sup>2</sup> MORTPAK: for Windows Version 4.0. The United Nation Software Package for Demographic Measurement.

mortality model<sup>1</sup>, by the least-squares method. Since 2000, it was found that this program does not produce reasonable results for Israeli data. The fit between the model and the empirical data is not statistically significant, and it was found that the H-P model raises life expectancy at birth for all population groups (at least by 0.2 years and sometimes more than a single year) as compared to the abridged life table. Moreover, it was found that the curve of the model crosses the boundaries of the confidence interval for empirical probabilities of death ( $q_x$ ). Furthermore, although the parameters of the H-P model can be estimated, the statistical tools (standard deviation and significance) of the parameter estimates cannot be calculated. Thus, the overall statistical significance of the model is not known. Finally, this smoothing procedure does not take into account the distinct features of the Israeli data: at certain ages, the smoothing procedure greatly reduces the probability of death (for example, the ages of compulsory military service) and at other ages (particularly at older ages), it increases the probability.

For these reasons, a new method of smoothing was developed by means of a two-stage polynomial function<sup>2</sup>, and is used as the basis for the complete life tables since 1996-2000. The model is based on the Local Maximum Likelihood method<sup>3</sup>, as well as on a technique for estimating change points<sup>4</sup>.

This method has four advantages:

- A. The differences between the smoothed values of life expectancy and the original data are not statistically significant.
- B. Statistical parameters of the model can be estimated, such as variance, confidence intervals, and statistical significance.
- C. The model provides a good basis for smoothing  $q_x$  (the specific probability of death at a certain age) while taking account of the distinct features of the Israeli data.
- D. The method is easy and convenient to use.

In the new method, life expectancy is calculated in four stages:

- A. Calculation of the  $q_x$  values based on mortality rates ( $m_x$ ) by singles years of age for each population group and each sex, averaged for the five-year period (2004-2008).
- B. The hypothesis that there is a change point in the model is tested. If the hypothesis is not rejected we move on to the next stage.
- C. The  $q_x$  values are smoothed by estimating one or two models of the  $q_x$  function, depending on whether or not a change point was found, one for the younger ages (up to the change point) and one for the older ages (after the change point).
- D. All the parameters of the life table based on the model  $q_x$  estimates are calculated.

<sup>1</sup> Heligman L. and Pollard J.H., "The Age Pattern of Mortality", *Journal of the Institute of Actuaries*, no. 107, pp. 49-75, 1980.

<sup>2</sup> Vexler A., Flaks N. and Paltiel A., "A Method for Smoothing Mortality Functions using a segmented regression model: an application to Israeli data", Working paper series No. 15. Central Bureau of Statistics, 2005 (Hebrew only).

<sup>3</sup> Fan J., Farmen M. and Gijbels I., "Local Maximum Likelihood Estimation and Inference", *J.R. Statist. Soc., B*. Vol. 60, pp. 591-608, 1998.

<sup>4</sup> Koul H.L., Lianfen Q. and Surgailis D., "Asymptotic of M-estimators in Two-phase Linear Regression Models", *Stochastic Processes and Their Applications*, Vol. 103, pp. 123-154, 2003.

#### 4. COMPONENTS OF A LIFE TABLE

The life table is based on sex- and age-specific mortality rates, and consists of the following functions:

**D<sub>x</sub>** - Absolute number of deaths at age x.

**m<sub>x</sub>** - *Average mortality rates* at age x, i.e., the number of people who died at age x divided by the average population at age x. For example: the m<sub>x</sub> values for computing the life table for 2004-2008 is based on average mortality rates for 2004-2008.

**q<sub>x</sub>** - *The probability of death* between age x and age x+1. The column presents the proportion of people who died between age x and age x+1 of those living at age x. The q<sub>x</sub> values are derived from m<sub>x</sub> values as follows:

$$q_x = \frac{m_x}{1 + \frac{1}{2} m_x}$$

**l<sub>x</sub>** - *The number of survivors* at exact age x out of 100,000 infants born

(radix of the table = l<sub>0</sub> = 100,000).

The l<sub>x</sub> values are based on the q<sub>x</sub> values, which allow for calculation of the number of survivors since age x-1.

$$l_x = l_{x-1} (1 - q_{x-1})$$

**L<sub>x</sub>** - The number of person-years lived by the cohort that reached exact age x, between age x and age x+1.

$$L_x = (l_x + l_{x+1})/2$$

**L<sub>0</sub>** - The number of person-years lived by the cohort between birth and its first birthday.

**L<sub>100+</sub>** - The number of person-years lived by the cohort from age 100 until the last one has died.

L<sub>0</sub> and L<sub>100+</sub> are calculated differently for two reasons:

L<sub>0</sub> is affected by the non-linear distribution of deaths in the first year of life.

L<sub>100+</sub> requires an estimate of the number of years that will be lived until the last member of the cohort has died. Thus:

$$L_0 = 0.3 l_0 + 0.7 l_1$$

$$L_{100+} = 1000 (l_{100} / m_{100+})$$

**T<sub>x</sub>** - The total number of person-years lived by cohort survivors after reaching age x;

T<sub>x</sub> is the sum of L<sub>x</sub> for all ages after x.

**e<sub>x</sub>** - The life expectancy at age x. This is the average number of years a person may expect to live after age x, assuming that he survived to age x, and assuming that mortality rates are unchanging.

$$e_x = \frac{T_x}{l_x}$$

The complete life tables presented here show the l<sub>x</sub>, q<sub>x</sub> and e<sub>x</sub> functions for single ages, from birth to age 100.



# **TABLES**

(PRINTED IN HEBREW ORDER – FROM RIGHT TO LEFT)

## לוח 1.- לוח תמותה שלם של ישראל: כל האוכלוסייה - זכרים

2004-2008										כל האוכלוסייה
										זכרים
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy					Probability of death					
רווח סמך		סטיית תקן	$e_x$		רווח סמך		סטיית תקן	$q_x$		
Confidence interval					Confidence interval					
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	$q_x$	Age		
Upper boundary	Lower boundary			Upper boundary	Lower boundary					
			$I_x$							
78.4	78.3	0.03703	78.3	100,000	0.00423	0.00384	0.00010	0.00403	0	
77.7	77.6	0.03638	77.7	99,597	0.00077	0.00058	0.00005	0.00068	1	
76.8	76.6	0.03621	76.7	99,529	0.00034	0.00023	0.00003	0.00029	2	
75.8	75.7	0.03616	75.7	99,501	0.00024	0.00016	0.00002	0.00020	3	
74.8	74.7	0.03614	74.7	99,481	0.00023	0.00013	0.00002	0.00018	4	
73.8	73.7	0.03610	73.8	99,463	0.00022	0.00013	0.00002	0.00017	5	
72.8	72.7	0.03607	72.8	99,446	0.00021	0.00012	0.00002	0.00017	6	
71.9	71.7	0.03604	71.8	99,429	0.00020	0.00012	0.00002	0.00016	7	
70.9	70.7	0.03601	70.8	99,413	0.00019	0.00010	0.00002	0.00014	8	
69.9	69.7	0.03599	69.8	99,399	0.00017	0.00009	0.00002	0.00013	9	
68.9	68.7	0.03596	68.8	99,386	0.00016	0.00009	0.00002	0.00013	10	
67.9	67.7	0.03595	67.8	99,373	0.00017	0.00009	0.00002	0.00013	11	
66.9	66.8	0.03592	66.8	99,360	0.00018	0.00010	0.00002	0.00014	12	
65.9	65.8	0.03590	65.8	99,346	0.00022	0.00012	0.00002	0.00017	13	
64.9	64.8	0.03587	64.8	99,329	0.00026	0.00016	0.00003	0.00021	14	
63.9	63.8	0.03584	63.9	99,308	0.00034	0.00022	0.00003	0.00028	15	
63.0	62.8	0.03580	62.9	99,280	0.00044	0.00029	0.00004	0.00036	16	
62.0	61.8	0.03574	61.9	99,244	0.00054	0.00038	0.00004	0.00046	17	
61.0	60.9	0.03567	60.9	99,199	0.00064	0.00047	0.00004	0.00056	18	
60.0	59.9	0.03560	60.0	99,143	0.00076	0.00058	0.00005	0.00067	19	
59.1	58.9	0.03552	59.0	99,077	0.00096	0.00074	0.00006	0.00085	20	
58.1	58.0	0.03540	58.1	98,993	0.00091	0.00068	0.00006	0.00079	21	
57.2	57.0	0.03527	57.1	98,914	0.00084	0.00065	0.00005	0.00074	22	
56.2	56.1	0.03520	56.1	98,841	0.00080	0.00061	0.00005	0.00071	23	
55.3	55.1	0.03512	55.2	98,771	0.00078	0.00059	0.00005	0.00068	24	
54.3	54.1	0.03504	54.2	98,703	0.00077	0.00057	0.00005	0.00067	25	
53.3	53.2	0.03496	53.3	98,637	0.00076	0.00057	0.00005	0.00067	26	
52.4	52.2	0.03490	52.3	98,572	0.00077	0.00057	0.00005	0.00067	27	
51.4	51.3	0.03482	51.3	98,506	0.00078	0.00058	0.00005	0.00068	28	
50.4	50.3	0.03474	50.4	98,439	0.00079	0.00060	0.00005	0.00070	29	
49.5	49.3	0.03469	49.4	98,370	0.00082	0.00062	0.00005	0.00072	30	
48.5	48.4	0.03463	48.4	98,300	0.00086	0.00064	0.00006	0.00075	31	
47.5	47.4	0.03455	47.5	98,226	0.00090	0.00067	0.00006	0.00079	32	
46.6	46.4	0.03447	46.5	98,149	0.00094	0.00072	0.00006	0.00083	33	
45.6	45.5	0.03440	45.5	98,068	0.00099	0.00077	0.00006	0.00088	34	
44.6	44.5	0.03433	44.6	97,981	0.00106	0.00081	0.00006	0.00094	35	
43.7	43.6	0.03425	43.6	97,889	0.00114	0.00087	0.00007	0.00100	36	
42.7	42.6	0.03416	42.7	97,791	0.00122	0.00094	0.00007	0.00108	37	
41.8	41.6	0.03405	41.7	97,686	0.00131	0.00102	0.00008	0.00116	38	
40.8	40.7	0.03395	40.8	97,572	0.00142	0.00110	0.00008	0.00126	39	
39.9	39.7	0.03384	39.8	97,449	0.00154	0.00120	0.00009	0.00137	40	
38.9	38.8	0.03371	38.9	97,316	0.00165	0.00132	0.00008	0.00149	41	
38.0	37.9	0.03361	37.9	97,171	0.00179	0.00144	0.00009	0.00162	42	
37.0	36.9	0.03350	37.0	97,014	0.00195	0.00158	0.00010	0.00176	43	
36.1	36.0	0.03337	36.0	96,843	0.00212	0.00173	0.00010	0.00193	44	
35.2	35.0	0.03325	35.1	96,656	0.00231	0.00190	0.00010	0.00211	45	
34.3	34.1	0.03312	34.2	96,452	0.00252	0.00210	0.00011	0.00231	46	
33.3	33.2	0.03299	33.3	96,230	0.00276	0.00230	0.00012	0.00253	47	
32.4	32.3	0.03286	32.3	95,987	0.00301	0.00254	0.00012	0.00277	48	
31.5	31.4	0.03272	31.4	95,721	0.00329	0.00279	0.00013	0.00304	49	
30.6	30.5	0.03258	30.5	95,430	0.00360	0.00307	0.00014	0.00334	50	

TABLE 1.- COMPLETE LIFE TABLE OF ISRAEL: TOTAL POPULATION - MALES

Total population										2004-2008									
Males										Males									
תוחלת חיים					נשארים בחיים	הסתברות למות					גיל								
Life expectancy						Probability of death													
רווח סמך		סטיית תקן	$e_x$	Survivors at age x		רווח סמך		סטיית תקן	$q_x$	Age									
Confidence interval						Upper boundary	Lower boundary					Upper boundary	Lower boundary	Standard deviation					
29.7	29.6	0.03243	29.6	95,111	0.00394	0.00338	0.00014	0.00366	51										
28.8	28.7	0.03228	28.7	94,763	0.00431	0.00374	0.00015	0.00402	52										
27.9	27.8	0.03214	27.9	94,382	0.00472	0.00411	0.00016	0.00442	53										
27.0	26.9	0.03200	27.0	93,965	0.00518	0.00453	0.00016	0.00485	54										
26.2	26.0	0.03185	26.1	93,509	0.00568	0.00499	0.00017	0.00534	55										
25.3	25.2	0.03170	25.2	93,010	0.00623	0.00550	0.00019	0.00586	56										
24.4	24.3	0.03155	24.4	92,464	0.00684	0.00605	0.00020	0.00645	57										
23.6	23.5	0.03139	23.5	91,868	0.00751	0.00666	0.00022	0.00709	58										
22.8	22.6	0.03121	22.7	91,217	0.00826	0.00733	0.00024	0.00779	59										
21.9	21.8	0.03099	21.9	90,506	0.00906	0.00808	0.00025	0.00857	60										
21.1	21.0	0.03078	21.1	89,731	0.00999	0.00887	0.00029	0.00943	61										
20.3	20.2	0.03049	20.3	88,885	0.01100	0.00974	0.00032	0.01037	62										
19.5	19.4	0.03011	19.5	87,963	0.01208	0.01073	0.00034	0.01141	63										
18.7	18.6	0.02972	18.7	86,959	0.01328	0.01183	0.00037	0.01256	64										
18.0	17.9	0.02930	17.9	85,868	0.01457	0.01306	0.00038	0.01382	65										
17.2	17.1	0.02890	17.2	84,681	0.01600	0.01442	0.00040	0.01521	66										
16.5	16.4	0.02852	16.4	83,393	0.01756	0.01593	0.00042	0.01675	67										
15.7	15.6	0.02819	15.7	81,996	0.01931	0.01758	0.00044	0.01845	68										
15.0	14.9	0.02787	15.0	80,484	0.02125	0.01939	0.00047	0.02032	69										
14.3	14.2	0.02754	14.3	78,848	0.02338	0.02140	0.00050	0.02239	70										
13.6	13.5	0.02721	13.6	77,083	0.02574	0.02361	0.00055	0.02468	71										
13.0	12.9	0.02687	12.9	75,181	0.02836	0.02605	0.00059	0.02720	72										
12.3	12.2	0.02652	12.3	73,136	0.03124	0.02876	0.00063	0.03000	73										
11.7	11.6	0.02617	11.6	70,942	0.03437	0.03181	0.00065	0.03309	74										
11.1	11.0	0.02592	11.0	68,594	0.03790	0.03512	0.00071	0.03651	75										
10.5	10.4	0.02568	10.4	66,090	0.04181	0.03879	0.00077	0.04030	76										
9.9	9.8	0.02544	9.8	63,426	0.04611	0.04287	0.00083	0.04449	77										
9.3	9.2	0.02525	9.3	60,605	0.05089	0.04738	0.00090	0.04914	78										
8.8	8.7	0.02510	8.7	57,627	0.05617	0.05240	0.00096	0.05428	79										
8.2	8.1	0.02502	8.2	54,499	0.06206	0.05792	0.00106	0.05999	80										
7.7	7.6	0.02498	7.7	51,229	0.06853	0.06409	0.00113	0.06631	81										
7.2	7.1	0.02508	7.2	47,832	0.07576	0.07089	0.00124	0.07333	82										
6.8	6.7	0.02526	6.7	44,325	0.08381	0.07840	0.00138	0.08111	83										
6.3	6.2	0.02554	6.3	40,730	0.09275	0.08673	0.00154	0.08974	84										
5.9	5.8	0.02595	5.8	37,075	0.10270	0.09595	0.00172	0.09932	85										
5.5	5.4	0.02649	5.4	33,393	0.11390	0.10601	0.00201	0.10995	86										
5.1	5.0	0.02701	5.0	29,721	0.12623	0.11729	0.00228	0.12176	87										
4.7	4.6	0.02768	4.7	26,102	0.14022	0.12949	0.00274	0.13486	88										
4.4	4.3	0.02814	4.3	22,582	0.15551	0.14326	0.00312	0.14939	89										
4.0	3.9	0.02870	4.0	19,209	0.17239	0.15862	0.00351	0.16551	90										
3.7	3.6	0.02959	3.7	16,029	0.19118	0.17556	0.00399	0.18337	91										
3.4	3.3	0.03090	3.4	13,090	0.21204	0.19425	0.00454	0.20314	92										
3.2	3.0	0.03289	3.1	10,431	0.23557	0.21444	0.00539	0.22500	93										
2.9	2.8	0.03538	2.9	8,084	0.26162	0.23662	0.00638	0.24912	94										
2.7	2.6	0.03878	2.7	6,070	0.29053	0.26079	0.00759	0.27566	95										
2.6	2.4	0.04354	2.5	4,397	0.32353	0.28599	0.00958	0.30476	96										
2.4	2.2	0.04893	2.3	3,057	0.35919	0.31387	0.01156	0.33653	97										
2.4	2.2	0.05576	2.3	2,028	0.40005	0.34201	0.01481	0.37103	98										
2.4	2.2	0.05891	2.3	1,276	0.44591	0.37057	0.01922	0.40824	99										
			2.6	755				0.44805	100+										

## לוח 2.- לוח תמותה שלם של ישראל: כל האוכלוסייה - נקבות

2004-2008										כל האוכלוסייה
										נקבות
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy			$e_x$		Probability of death			$q_x$		
רווח סמך		סטיית תקן			רווח סמך		סטיית תקן			
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	Age			
Upper boundary	Lower boundary		$l_x$	Upper boundary	Lower boundary					
82.3	82.2	0.03234	82.2	100,000	0.00355	0.00319	0.00009	0.00337	0	
81.6	81.5	0.03158	81.5	99,663	0.00063	0.00045	0.00005	0.00054	1	
80.6	80.5	0.03138	80.6	99,609	0.00028	0.00018	0.00002	0.00023	2	
79.7	79.5	0.03132	79.6	99,586	0.00020	0.00012	0.00002	0.00016	3	
78.7	78.5	0.03129	78.6	99,570	0.00018	0.00010	0.00002	0.00014	4	
77.7	77.6	0.03126	77.6	99,557	0.00017	0.00009	0.00002	0.00013	5	
76.7	76.6	0.03123	76.6	99,544	0.00016	0.00008	0.00002	0.00012	6	
75.7	75.6	0.03119	75.6	99,532	0.00015	0.00007	0.00002	0.00011	7	
74.7	74.6	0.03116	74.6	99,521	0.00013	0.00007	0.00002	0.00010	8	
73.7	73.6	0.03114	73.6	99,511	0.00013	0.00005	0.00002	0.00009	9	
72.7	72.6	0.03111	72.7	99,502	0.00011	0.00006	0.00001	0.00009	10	
71.7	71.6	0.03110	71.7	99,493	0.00012	0.00005	0.00002	0.00009	11	
70.7	70.6	0.03107	70.7	99,484	0.00013	0.00006	0.00002	0.00010	12	
69.7	69.6	0.03105	69.7	99,475	0.00015	0.00007	0.00002	0.00011	13	
68.7	68.6	0.03103	68.7	99,464	0.00017	0.00008	0.00002	0.00012	14	
67.8	67.6	0.03100	67.7	99,452	0.00018	0.00010	0.00002	0.00014	15	
66.8	66.6	0.03096	66.7	99,438	0.00020	0.00010	0.00002	0.00015	16	
65.8	65.6	0.03093	65.7	99,422	0.00021	0.00011	0.00002	0.00016	17	
64.8	64.7	0.03089	64.7	99,406	0.00022	0.00013	0.00002	0.00018	18	
63.8	63.7	0.03086	63.7	99,389	0.00030	0.00018	0.00003	0.00024	19	
62.8	62.7	0.03081	62.7	99,364	0.00032	0.00020	0.00003	0.00026	20	
61.8	61.7	0.03075	61.8	99,338	0.00030	0.00019	0.00003	0.00024	21	
60.8	60.7	0.03071	60.8	99,314	0.00029	0.00018	0.00003	0.00023	22	
59.9	59.7	0.03067	59.8	99,291	0.00029	0.00017	0.00003	0.00023	23	
58.9	58.7	0.03062	58.8	99,268	0.00028	0.00018	0.00003	0.00023	24	
57.9	57.8	0.03059	57.8	99,245	0.00029	0.00018	0.00003	0.00023	25	
56.9	56.8	0.03055	56.8	99,222	0.00030	0.00018	0.00003	0.00024	26	
55.9	55.8	0.03051	55.8	99,198	0.00031	0.00019	0.00003	0.00025	27	
54.9	54.8	0.03047	54.9	99,173	0.00033	0.00020	0.00003	0.00026	28	
53.9	53.8	0.03043	53.9	99,147	0.00035	0.00021	0.00003	0.00028	29	
52.9	52.8	0.03038	52.9	99,120	0.00036	0.00023	0.00003	0.00030	30	
52.0	51.8	0.03034	51.9	99,090	0.00039	0.00026	0.00003	0.00032	31	
51.0	50.9	0.03030	50.9	99,058	0.00042	0.00028	0.00004	0.00035	32	
50.0	49.9	0.03025	49.9	99,023	0.00046	0.00030	0.00004	0.00038	33	
49.0	48.9	0.03020	49.0	98,985	0.00050	0.00033	0.00004	0.00042	34	
48.0	47.9	0.03015	48.0	98,944	0.00054	0.00037	0.00004	0.00045	35	
47.1	46.9	0.03009	47.0	98,899	0.00059	0.00041	0.00005	0.00050	36	
46.1	46.0	0.03003	46.0	98,850	0.00065	0.00045	0.00005	0.00055	37	
45.1	45.0	0.02995	45.0	98,796	0.00071	0.00050	0.00005	0.00060	38	
44.1	44.0	0.02988	44.1	98,736	0.00077	0.00055	0.00006	0.00066	39	
43.2	43.0	0.02980	43.1	98,671	0.00084	0.00061	0.00006	0.00073	40	
42.2	42.1	0.02971	42.1	98,599	0.00092	0.00068	0.00006	0.00080	41	
41.2	41.1	0.02963	41.2	98,520	0.00101	0.00075	0.00007	0.00088	42	
40.3	40.1	0.02953	40.2	98,433	0.00111	0.00083	0.00007	0.00097	43	
39.3	39.2	0.02942	39.2	98,337	0.00122	0.00092	0.00008	0.00107	44	
38.3	38.2	0.02931	38.3	98,232	0.00132	0.00102	0.00008	0.00117	45	
37.4	37.3	0.02920	37.3	98,117	0.00144	0.00113	0.00008	0.00129	46	
36.4	36.3	0.02909	36.4	97,991	0.00157	0.00126	0.00008	0.00141	47	
35.5	35.4	0.02899	35.4	97,852	0.00173	0.00138	0.00009	0.00155	48	
34.5	34.4	0.02886	34.5	97,700	0.00189	0.00152	0.00009	0.00170	49	
33.6	33.5	0.02874	33.5	97,534	0.00207	0.00167	0.00010	0.00187	50	

TABLE 2.- COMPLETE LIFE TABLE OF ISRAEL: TOTAL POPULATION - FEMALES

Total population										2004-2008
Females										
תוחלת חיים Life expectancy				נשארים בחיים Survivors at age x $I_x$	הסתברות למות Probability of death				גיל Age	
רווח סמך Confidence interval		סטיית תקן Standard deviation	$e_x$		רווח סמך Confidence interval		סטיית תקן Standard deviation	$q_x$		
גבול עליון Upper boundary	גבול תחתון Lower boundary				גבול עליון Upper boundary	גבול תחתון Lower boundary				
32.7	32.5	0.02860	32.6	97,351	0.00226	0.00185	0.00010	0.00205	51	
31.7	31.6	0.02846	31.7	97,151	0.00246	0.00204	0.00011	0.00225	52	
30.8	30.7	0.02832	30.7	96,933	0.00269	0.00225	0.00011	0.00247	53	
29.9	29.8	0.02818	29.8	96,693	0.00295	0.00248	0.00012	0.00271	54	
28.9	28.8	0.02804	28.9	96,431	0.00323	0.00274	0.00012	0.00298	55	
28.0	27.9	0.02790	28.0	96,143	0.00354	0.00301	0.00013	0.00328	56	
27.1	27.0	0.02774	27.1	95,828	0.00388	0.00333	0.00014	0.00360	57	
26.2	26.1	0.02759	26.2	95,483	0.00426	0.00367	0.00015	0.00397	58	
25.3	25.2	0.02742	25.3	95,104	0.00469	0.00406	0.00016	0.00437	59	
24.4	24.3	0.02725	24.4	94,688	0.00519	0.00447	0.00018	0.00483	60	
23.5	23.4	0.02703	23.5	94,231	0.00573	0.00494	0.00020	0.00533	61	
22.7	22.6	0.02677	22.6	93,728	0.00635	0.00545	0.00023	0.00590	62	
21.8	21.7	0.02643	21.7	93,175	0.00701	0.00606	0.00024	0.00654	63	
20.9	20.8	0.02609	20.9	92,566	0.00776	0.00674	0.00026	0.00725	64	
20.1	20.0	0.02572	20.0	91,895	0.00861	0.00750	0.00028	0.00806	65	
19.2	19.1	0.02532	19.2	91,154	0.00954	0.00839	0.00029	0.00896	66	
18.4	18.3	0.02494	18.4	90,337	0.01058	0.00940	0.00030	0.00999	67	
17.6	17.5	0.02459	17.5	89,435	0.01176	0.01053	0.00031	0.01115	68	
16.8	16.7	0.02425	16.7	88,438	0.01312	0.01179	0.00034	0.01246	69	
16.0	15.9	0.02390	15.9	87,337	0.01465	0.01323	0.00036	0.01394	70	
15.2	15.1	0.02355	15.2	86,119	0.01638	0.01486	0.00039	0.01562	71	
14.4	14.3	0.02320	14.4	84,774	0.01836	0.01670	0.00042	0.01753	72	
13.7	13.6	0.02281	13.6	83,288	0.02058	0.01881	0.00045	0.01969	73	
12.9	12.9	0.02243	12.9	81,648	0.02310	0.02120	0.00049	0.02215	74	
12.2	12.1	0.02206	12.2	79,839	0.02596	0.02392	0.00052	0.02494	75	
11.5	11.4	0.02170	11.5	77,848	0.02920	0.02701	0.00056	0.02810	76	
10.8	10.8	0.02136	10.8	75,660	0.03286	0.03054	0.00059	0.03170	77	
10.2	10.1	0.02107	10.1	73,262	0.03703	0.03453	0.00064	0.03578	78	
9.5	9.5	0.02083	9.5	70,641	0.04176	0.03906	0.00069	0.04041	79	
8.9	8.8	0.02063	8.9	67,786	0.04713	0.04421	0.00074	0.04567	80	
8.3	8.2	0.02051	8.3	64,690	0.05321	0.05006	0.00080	0.05164	81	
7.7	7.7	0.02049	7.7	61,350	0.06016	0.05665	0.00090	0.05840	82	
7.2	7.1	0.02051	7.1	57,767	0.06802	0.06411	0.00100	0.06607	83	
6.7	6.6	0.02060	6.6	53,950	0.07699	0.07254	0.00113	0.07476	84	
6.1	6.1	0.02074	6.1	49,917	0.08718	0.08204	0.00131	0.08461	85	
5.7	5.6	0.02089	5.6	45,693	0.09879	0.09274	0.00154	0.09577	86	
5.2	5.1	0.02098	5.2	41,317	0.11193	0.10488	0.00180	0.10841	87	
4.8	4.7	0.02104	4.7	36,838	0.12681	0.11861	0.00209	0.12271	88	
4.4	4.3	0.02105	4.3	32,318	0.14363	0.13420	0.00241	0.13891	89	
4.0	3.9	0.02107	3.9	27,828	0.16257	0.15192	0.00272	0.15724	90	
3.6	3.5	0.02125	3.6	23,453	0.18389	0.17207	0.00301	0.17798	91	
3.3	3.2	0.02189	3.3	19,279	0.20820	0.19463	0.00346	0.20142	92	
3.0	2.9	0.02298	2.9	15,396	0.23594	0.21981	0.00411	0.22787	93	
2.7	2.6	0.02452	2.7	11,887	0.26728	0.24809	0.00489	0.25769	94	
2.5	2.4	0.02685	2.4	8,824	0.30300	0.27935	0.00603	0.29118	95	
2.3	2.1	0.03008	2.2	6,255	0.34304	0.31422	0.00735	0.32863	96	
2.1	2.0	0.03512	2.0	4,199	0.38950	0.35104	0.00981	0.37027	97	
2.0	1.9	0.04072	1.9	2,644	0.44107	0.39125	0.01271	0.41616	98	
2.1	1.9	0.04420	2.0	1,544	0.49746	0.43487	0.01597	0.46616	99	
			2.3	824				0.51984	100+	

## לוח 3.- לוח תמותה שלם של ישראל: יהודים ואחרים - זכרים

2004-2008										יהודים ואחרים
										זכרים
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy			$e_x$		Probability of death			$q_x$		
רווח סמך		סטיית תקן			רווח סמך		סטיית תקן			
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	Age			
Upper boundary	Lower boundary		$I_x$	Upper boundary	Lower boundary					
78.9	78.7	0.03901	78.8	100,000	0.00320	0.00282	0.00010	0.00301	0	
78.1	78.0	0.03835	78.1	99,699	0.00046	0.00029	0.00004	0.00038	1	
77.2	77.0	0.03822	77.1	99,662	0.00019	0.00010	0.00002	0.00015	2	
76.2	76.0	0.03819	76.1	99,647	0.00014	0.00007	0.00002	0.00011	3	
75.2	75.0	0.03817	75.1	99,636	0.00015	0.00006	0.00002	0.00010	4	
74.2	74.0	0.03813	74.1	99,626	0.00014	0.00007	0.00002	0.00011	5	
73.2	73.0	0.03811	73.1	99,615	0.00015	0.00006	0.00002	0.00011	6	
72.2	72.1	0.03808	72.1	99,604	0.00014	0.00007	0.00002	0.00010	7	
71.2	71.1	0.03806	71.1	99,594	0.00014	0.00005	0.00002	0.00010	8	
70.2	70.1	0.03803	70.1	99,584	0.00013	0.00005	0.00002	0.00009	9	
69.2	69.1	0.03801	69.1	99,575	0.00013	0.00006	0.00002	0.00009	10	
68.2	68.1	0.03799	68.2	99,566	0.00015	0.00005	0.00002	0.00010	11	
67.2	67.1	0.03796	67.2	99,556	0.00015	0.00008	0.00002	0.00012	12	
66.2	66.1	0.03794	66.2	99,544	0.00020	0.00009	0.00003	0.00014	13	
65.3	65.1	0.03791	65.2	99,530	0.00024	0.00013	0.00003	0.00018	14	
64.3	64.1	0.03787	64.2	99,511	0.00030	0.00017	0.00003	0.00024	15	
63.3	63.1	0.03782	63.2	99,488	0.00037	0.00022	0.00004	0.00029	16	
62.3	62.1	0.03775	62.2	99,459	0.00043	0.00028	0.00004	0.00036	17	
61.3	61.2	0.03769	61.2	99,423	0.00053	0.00037	0.00004	0.00045	18	
60.3	60.2	0.03762	60.3	99,379	0.00080	0.00058	0.00006	0.00069	19	
59.4	59.2	0.03749	59.3	99,310	0.00085	0.00062	0.00006	0.00074	20	
58.4	58.3	0.03737	58.4	99,237	0.00080	0.00057	0.00006	0.00069	21	
57.5	57.3	0.03724	57.4	99,169	0.00075	0.00056	0.00005	0.00065	22	
56.5	56.4	0.03716	56.4	99,104	0.00073	0.00052	0.00005	0.00063	23	
55.5	55.4	0.03707	55.5	99,042	0.00072	0.00051	0.00005	0.00062	24	
54.6	54.4	0.03698	54.5	98,981	0.00072	0.00050	0.00005	0.00061	25	
53.6	53.5	0.03688	53.5	98,921	0.00071	0.00052	0.00005	0.00061	26	
52.6	52.5	0.03682	52.6	98,860	0.00073	0.00051	0.00006	0.00062	27	
51.7	51.5	0.03672	51.6	98,798	0.00075	0.00053	0.00006	0.00064	28	
50.7	50.6	0.03663	50.6	98,735	0.00076	0.00056	0.00005	0.00066	29	
49.7	49.6	0.03657	49.7	98,670	0.00080	0.00058	0.00006	0.00069	30	
48.8	48.6	0.03649	48.7	98,602	0.00084	0.00060	0.00006	0.00072	31	
47.8	47.7	0.03639	47.7	98,531	0.00088	0.00064	0.00006	0.00076	32	
46.8	46.7	0.03631	46.8	98,456	0.00093	0.00068	0.00006	0.00081	33	
45.9	45.7	0.03621	45.8	98,376	0.00099	0.00074	0.00006	0.00086	34	
44.9	44.8	0.03613	44.8	98,292	0.00106	0.00078	0.00007	0.00092	35	
44.0	43.8	0.03602	43.9	98,201	0.00114	0.00084	0.00008	0.00099	36	
43.0	42.9	0.03591	42.9	98,104	0.00123	0.00091	0.00008	0.00107	37	
42.0	41.9	0.03578	42.0	97,999	0.00131	0.00099	0.00008	0.00115	38	
41.1	41.0	0.03566	41.0	97,886	0.00142	0.00108	0.00009	0.00125	39	
40.1	40.0	0.03553	40.1	97,764	0.00154	0.00116	0.00010	0.00135	40	
39.2	39.1	0.03536	39.1	97,632	0.00166	0.00128	0.00010	0.00147	41	
38.3	38.1	0.03522	38.2	97,488	0.00180	0.00140	0.00010	0.00160	42	
37.3	37.2	0.03508	37.2	97,332	0.00195	0.00153	0.00011	0.00174	43	
36.4	36.2	0.03492	36.3	97,162	0.00212	0.00169	0.00011	0.00190	44	
35.4	35.3	0.03476	35.4	96,978	0.00229	0.00185	0.00011	0.00207	45	
34.5	34.4	0.03461	34.5	96,777	0.00250	0.00203	0.00012	0.00226	46	
33.6	33.5	0.03446	33.5	96,557	0.00273	0.00222	0.00013	0.00247	47	
32.7	32.5	0.03428	32.6	96,318	0.00296	0.00245	0.00013	0.00271	48	
31.8	31.6	0.03412	31.7	96,058	0.00323	0.00269	0.00014	0.00296	49	
30.9	30.7	0.03394	30.8	95,774	0.00352	0.00296	0.00014	0.00324	50	

TABLE 3.- COMPLETE LIFE TABLE OF ISRAEL: JEWS AND OTHERS - MALES

תוחלת חיים Life expectancy			נשארים בחיים Survivors at age x $I_x$	הסתברות למות Probability of death			גיל Age		
רווח סמך Confidence interval		סט"ית תקן Standard deviation		$e_x$	רווח סמך Confidence interval			סט"ית תקן Standard deviation	$q_x$
גבול עליון Upper boundary	גבול תחתון Lower boundary				גבול עליון Upper boundary	גבול תחתון Lower boundary			
30.0	29.8	0.03377	29.9	95,463	0.00384	0.00325	0.00015	0.00354	51
29.1	28.9	0.03360	29.0	95,125	0.00418	0.00358	0.00015	0.00388	52
28.2	28.0	0.03344	28.1	94,756	0.00457	0.00394	0.00016	0.00425	53
27.3	27.2	0.03328	27.2	94,353	0.00499	0.00433	0.00017	0.00466	54
26.4	26.3	0.03312	26.3	93,913	0.00546	0.00476	0.00018	0.00511	55
25.5	25.4	0.03296	25.5	93,434	0.00597	0.00523	0.00019	0.00560	56
24.7	24.6	0.03281	24.6	92,910	0.00654	0.00575	0.00020	0.00614	57
23.8	23.7	0.03264	23.8	92,339	0.00717	0.00632	0.00022	0.00674	58
23.0	22.9	0.03246	22.9	91,717	0.00788	0.00693	0.00024	0.00740	59
22.2	22.0	0.03223	22.1	91,038	0.00864	0.00763	0.00026	0.00813	60
21.3	21.2	0.03200	21.3	90,297	0.00952	0.00835	0.00030	0.00894	61
20.5	20.4	0.03166	20.5	89,490	0.01049	0.00916	0.00034	0.00982	62
19.7	19.6	0.03121	19.7	88,611	0.01152	0.01009	0.00036	0.01081	63
18.9	18.8	0.03074	18.9	87,653	0.01264	0.01115	0.00038	0.01189	64
18.1	18.0	0.03027	18.1	86,611	0.01388	0.01231	0.00040	0.01309	65
17.4	17.3	0.02982	17.3	85,477	0.01524	0.01361	0.00042	0.01443	66
16.6	16.5	0.02938	16.6	84,244	0.01674	0.01507	0.00043	0.01590	67
15.9	15.8	0.02901	15.8	82,904	0.01842	0.01665	0.00045	0.01754	68
15.2	15.0	0.02865	15.1	81,451	0.02030	0.01840	0.00049	0.01935	69
14.4	14.3	0.02827	14.4	79,875	0.02237	0.02035	0.00051	0.02136	70
13.7	13.6	0.02790	13.7	78,169	0.02468	0.02251	0.00055	0.02359	71
13.1	13.0	0.02754	13.0	76,324	0.02725	0.02489	0.00060	0.02607	72
12.4	12.3	0.02714	12.3	74,335	0.03009	0.02755	0.00065	0.02882	73
11.7	11.6	0.02673	11.7	72,192	0.03318	0.03058	0.00066	0.03188	74
11.1	11.0	0.02645	11.1	69,891	0.03669	0.03387	0.00072	0.03528	75
10.5	10.4	0.02618	10.5	67,425	0.04059	0.03752	0.00078	0.03906	76
9.9	9.8	0.02590	9.9	64,792	0.04490	0.04161	0.00084	0.04325	77
9.3	9.2	0.02569	9.3	61,989	0.04971	0.04614	0.00091	0.04792	78
8.8	8.7	0.02550	8.7	59,018	0.05502	0.05120	0.00097	0.05311	79
8.2	8.1	0.02540	8.2	55,884	0.06099	0.05679	0.00107	0.05889	80
7.7	7.6	0.02534	7.7	52,593	0.06756	0.06305	0.00115	0.06531	81
7.2	7.1	0.02542	7.2	49,158	0.07494	0.06997	0.00127	0.07245	82
6.7	6.6	0.02558	6.7	45,596	0.08315	0.07766	0.00140	0.08040	83
6.3	6.2	0.02586	6.2	41,930	0.09231	0.08618	0.00156	0.08925	84
5.8	5.7	0.02627	5.8	38,188	0.10253	0.09565	0.00176	0.09909	85
5.4	5.3	0.02681	5.4	34,404	0.11409	0.10600	0.00206	0.11004	86
5.0	4.9	0.02733	5.0	30,618	0.12683	0.11764	0.00234	0.12224	87
4.6	4.5	0.02801	4.6	26,875	0.14136	0.13025	0.00283	0.13581	88
4.3	4.2	0.02845	4.2	23,226	0.15726	0.14456	0.00324	0.15091	89
4.0	3.8	0.02899	3.9	19,721	0.17486	0.16055	0.00365	0.16771	90
3.6	3.5	0.02987	3.6	16,413	0.19455	0.17824	0.00416	0.18639	91
3.4	3.2	0.03117	3.3	13,354	0.21645	0.19786	0.00474	0.20715	92
3.1	3.0	0.03318	3.0	10,588	0.24131	0.21908	0.00567	0.23019	93
2.8	2.7	0.03571	2.8	8,150	0.26886	0.24258	0.00670	0.25572	94
2.6	2.5	0.03927	2.6	6,066	0.29972	0.26815	0.00805	0.28394	95
2.5	2.3	0.04427	2.4	4,344	0.33512	0.29491	0.01026	0.31502	96
2.3	2.1	0.04994	2.2	2,975	0.37313	0.32508	0.01226	0.34911	97
2.3	2.1	0.05790	2.2	1,937	0.41745	0.35510	0.01590	0.38627	98
2.3	2.1	0.06250	2.2	1,189	0.46720	0.38581	0.02076	0.42650	99
			2.5	682				0.46964	100+

## לוח 4.- לוח תמותה שלם של ישראל: יהודים ואחרים - נקבות

2004-2008										יהודים ואחרים
										נקבות
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy			$e_x$		Probability of death			$q_x$		
רווח סמך		סטיית תקן			רווח סמך		סטיית תקן			
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	Age			
Upper boundary	Lower boundary		$I_x$	Upper boundary	Lower boundary					
82.7	82.6	0.03405	82.7	100,000	0.00298	0.00258	0.00010	0.00278	0	
81.9	81.8	0.03307	81.9	99,722	0.00026	0.00015	0.00003	0.00021	1	
81.0	80.8	0.03300	80.9	99,702	0.00016	0.00008	0.00002	0.00012	2	
80.0	79.8	0.03296	79.9	99,690	0.00016	0.00007	0.00002	0.00012	3	
79.0	78.9	0.03291	78.9	99,678	0.00016	0.00007	0.00002	0.00012	4	
78.0	77.9	0.03287	77.9	99,667	0.00013	0.00006	0.00002	0.00010	5	
77.0	76.9	0.03284	76.9	99,657	0.00011	0.00004	0.00002	0.00008	6	
76.0	75.9	0.03282	75.9	99,649	0.00011	0.00003	0.00002	0.00007	7	
75.0	74.9	0.03279	74.9	99,643	0.00010	0.00003	0.00002	0.00007	8	
74.0	73.9	0.03276	74.0	99,636	0.00011	0.00004	0.00002	0.00008	9	
73.0	72.9	0.03274	73.0	99,628	0.00011	0.00004	0.00002	0.00008	10	
72.0	71.9	0.03272	72.0	99,620	0.00011	0.00003	0.00002	0.00007	11	
71.0	70.9	0.03269	71.0	99,613	0.00010	0.00003	0.00002	0.00007	12	
70.0	69.9	0.03267	70.0	99,607	0.00016	0.00006	0.00002	0.00011	13	
69.0	68.9	0.03263	69.0	99,596	0.00017	0.00007	0.00003	0.00012	14	
68.1	67.9	0.03259	68.0	99,584	0.00018	0.00008	0.00002	0.00013	15	
67.1	66.9	0.03255	67.0	99,571	0.00019	0.00009	0.00003	0.00014	16	
66.1	65.9	0.03251	66.0	99,556	0.00021	0.00010	0.00003	0.00015	17	
65.1	65.0	0.03246	65.0	99,541	0.00021	0.00011	0.00002	0.00016	18	
64.1	64.0	0.03243	64.0	99,525	0.00022	0.00012	0.00003	0.00017	19	
63.1	63.0	0.03240	63.0	99,508	0.00024	0.00013	0.00003	0.00018	20	
62.1	62.0	0.03236	62.1	99,489	0.00025	0.00014	0.00003	0.00019	21	
61.1	61.0	0.03232	61.1	99,470	0.00026	0.00015	0.00003	0.00020	22	
60.1	60.0	0.03228	60.1	99,450	0.00028	0.00015	0.00003	0.00021	23	
59.2	59.0	0.03222	59.1	99,429	0.00029	0.00017	0.00003	0.00023	24	
58.2	58.0	0.03218	58.1	99,406	0.00030	0.00017	0.00003	0.00024	25	
57.2	57.1	0.03213	57.1	99,382	0.00032	0.00018	0.00004	0.00025	26	
56.2	56.1	0.03208	56.1	99,357	0.00034	0.00019	0.00004	0.00027	27	
55.2	55.1	0.03202	55.1	99,331	0.00036	0.00020	0.00004	0.00028	28	
54.2	54.1	0.03196	54.2	99,303	0.00038	0.00022	0.00004	0.00030	29	
53.2	53.1	0.03189	53.2	99,273	0.00039	0.00024	0.00004	0.00032	30	
52.3	52.1	0.03183	52.2	99,242	0.00042	0.00026	0.00004	0.00034	31	
51.3	51.1	0.03177	51.2	99,208	0.00045	0.00027	0.00005	0.00036	32	
50.3	50.2	0.03169	50.2	99,173	0.00047	0.00030	0.00004	0.00039	33	
49.3	49.2	0.03163	49.2	99,134	0.00051	0.00032	0.00005	0.00042	34	
48.3	48.2	0.03156	48.3	99,093	0.00054	0.00036	0.00005	0.00045	35	
47.3	47.2	0.03149	47.3	99,049	0.00059	0.00038	0.00005	0.00048	36	
46.4	46.2	0.03141	46.3	99,001	0.00064	0.00041	0.00006	0.00052	37	
45.4	45.3	0.03132	45.3	98,949	0.00068	0.00046	0.00006	0.00057	38	
44.4	44.3	0.03124	44.4	98,892	0.00074	0.00050	0.00006	0.00062	39	
43.4	43.3	0.03115	43.4	98,831	0.00080	0.00056	0.00006	0.00068	40	
42.5	42.4	0.03106	42.4	98,764	0.00086	0.00062	0.00006	0.00074	41	
41.5	41.4	0.03097	41.4	98,691	0.00094	0.00068	0.00007	0.00081	42	
40.5	40.4	0.03088	40.5	98,611	0.00103	0.00075	0.00007	0.00089	43	
39.6	39.5	0.03077	39.5	98,523	0.00113	0.00082	0.00008	0.00098	44	
38.6	38.5	0.03064	38.6	98,427	0.00123	0.00093	0.00008	0.00108	45	
37.7	37.5	0.03054	37.6	98,321	0.00134	0.00103	0.00008	0.00119	46	
36.7	36.6	0.03043	36.6	98,204	0.00147	0.00115	0.00008	0.00131	47	
35.7	35.6	0.03033	35.7	98,075	0.00162	0.00127	0.00009	0.00145	48	
34.8	34.7	0.03021	34.7	97,934	0.00178	0.00141	0.00009	0.00160	49	
33.9	33.7	0.03009	33.8	97,777	0.00197	0.00156	0.00010	0.00176	50	

TABLE 4.- COMPLETE LIFE TABLE OF ISRAEL: JEWS AND OTHERS - FEMALES

תוחלת חיים Life expectancy			נשארים בחיים Survivors at age x $I_x$	הסתברות למות Probability of death			גיל Age		
רווח סמך Confidence interval		סטטיית תקן Standard deviation		$e_x$	רווח סמך Confidence interval			סטטיית תקן Standard deviation	$q_x$
גבול עליון Upper boundary	גבול תחתון Lower boundary				גבול עליון Upper boundary	גבול תחתון Lower boundary			
32.9	32.8	0.02994	32.9	97,605	0.00216	0.00174	0.00011	0.00195	51
32.0	31.9	0.02980	31.9	97,414	0.00238	0.00194	0.00011	0.00216	52
31.0	30.9	0.02966	31.0	97,204	0.00262	0.00215	0.00012	0.00239	53
30.1	30.0	0.02950	30.1	96,972	0.00289	0.00240	0.00013	0.00264	54
29.2	29.1	0.02934	29.1	96,715	0.00318	0.00267	0.00013	0.00293	55
28.3	28.2	0.02919	28.2	96,432	0.00351	0.00296	0.00014	0.00324	56
27.4	27.3	0.02902	27.3	96,120	0.00387	0.00329	0.00015	0.00358	57
26.5	26.3	0.02885	26.4	95,775	0.00428	0.00365	0.00016	0.00397	58
25.6	25.5	0.02867	25.5	95,396	0.00472	0.00405	0.00017	0.00439	59
24.7	24.6	0.02847	24.6	94,977	0.00524	0.00447	0.00020	0.00485	60
23.8	23.7	0.02820	23.7	94,516	0.00580	0.00493	0.00022	0.00537	61
22.9	22.8	0.02787	22.9	94,009	0.00644	0.00544	0.00026	0.00594	62
22.0	21.9	0.02743	22.0	93,450	0.00709	0.00605	0.00026	0.00657	63
21.2	21.1	0.02701	21.1	92,836	0.00783	0.00672	0.00028	0.00727	64
20.3	20.2	0.02654	20.3	92,161	0.00864	0.00746	0.00030	0.00805	65
19.5	19.4	0.02606	19.4	91,419	0.00953	0.00830	0.00031	0.00892	66
18.7	18.6	0.02559	18.6	90,603	0.01051	0.00925	0.00032	0.00988	67
17.8	17.8	0.02515	17.8	89,708	0.01160	0.01031	0.00033	0.01096	68
17.0	16.9	0.02475	17.0	88,725	0.01285	0.01147	0.00035	0.01216	69
16.2	16.1	0.02434	16.2	87,646	0.01424	0.01278	0.00037	0.01351	70
15.5	15.4	0.02393	15.4	86,462	0.01580	0.01425	0.00040	0.01502	71
14.7	14.6	0.02352	14.6	85,163	0.01758	0.01589	0.00043	0.01673	72
13.9	13.8	0.02307	13.9	83,738	0.01956	0.01778	0.00045	0.01867	73
13.2	13.1	0.02265	13.1	82,175	0.02181	0.01990	0.00049	0.02086	74
12.4	12.4	0.02223	12.4	80,461	0.02435	0.02234	0.00051	0.02334	75
11.7	11.6	0.02185	11.7	78,583	0.02726	0.02510	0.00055	0.02618	76
11.0	10.9	0.02147	11.0	76,526	0.03056	0.02829	0.00058	0.02943	77
10.3	10.3	0.02116	10.3	74,274	0.03437	0.03193	0.00062	0.03315	78
9.7	9.6	0.02089	9.6	71,812	0.03872	0.03612	0.00066	0.03742	79
9.0	9.0	0.02070	9.0	69,125	0.04375	0.04094	0.00072	0.04234	80
8.4	8.3	0.02057	8.4	66,198	0.04953	0.04651	0.00077	0.04802	81
7.8	7.7	0.02054	7.8	63,019	0.05628	0.05289	0.00086	0.05458	82
7.2	7.1	0.02056	7.2	59,579	0.06407	0.06029	0.00096	0.06218	83
6.7	6.6	0.02067	6.6	55,875	0.07313	0.06879	0.00111	0.07096	84
6.1	6.1	0.02081	6.1	51,909	0.08366	0.07860	0.00129	0.08113	85
5.6	5.6	0.02096	5.6	47,698	0.09588	0.08987	0.00153	0.09288	86
5.2	5.1	0.02107	5.1	43,268	0.10998	0.10288	0.00181	0.10643	87
4.7	4.6	0.02113	4.7	38,663	0.12618	0.11784	0.00213	0.12201	88
4.3	4.2	0.02114	4.2	33,946	0.14466	0.13502	0.00246	0.13984	89
3.9	3.8	0.02119	3.9	29,199	0.16565	0.15463	0.00281	0.16014	90
3.5	3.5	0.02140	3.5	24,523	0.18924	0.17691	0.00315	0.18307	91
3.2	3.1	0.02207	3.2	20,033	0.21586	0.20165	0.00363	0.20876	92
2.9	2.8	0.02323	2.9	15,851	0.24566	0.22876	0.00431	0.23721	93
2.7	2.6	0.02489	2.6	12,091	0.27840	0.25826	0.00514	0.26833	94
2.4	2.3	0.02737	2.4	8,847	0.31424	0.28955	0.00630	0.30190	95
2.2	2.1	0.03080	2.2	6,176	0.35246	0.32257	0.00763	0.33751	96
2.1	2.0	0.03608	2.0	4,092	0.39440	0.35489	0.01008	0.37464	97
2.1	1.9	0.04167	2.0	2,559	0.43796	0.38727	0.01293	0.41261	98
2.1	1.9	0.04444	2.0	1,503	0.48231	0.41902	0.01615	0.45066	99
			2.3	826				0.48797	100+

## לוח 5.- לוח תמותה שלם של ישראל: יהודים - זכרים

2004-2008										יהודים
										זכרים
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy			$e_x$		Probability of death			$q_x$		
רווח סמך		סטיית תקן			רווח סמך		סטיית תקן			
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	Age			
Upper boundary	Lower boundary		$I_x$	Upper boundary	Lower boundary					
79.1	79.0	0.03941	79.1	100,000	0.00315	0.00276	0.00010	0.00296	0	
78.4	78.2	0.03873	78.3	99,704	0.00048	0.00031	0.00004	0.00039	1	
77.4	77.3	0.03859	77.3	99,665	0.00020	0.00010	0.00002	0.00015	2	
76.4	76.3	0.03856	76.3	99,650	0.00014	0.00007	0.00002	0.00010	3	
75.4	75.3	0.03854	75.4	99,640	0.00014	0.00005	0.00002	0.00010	4	
74.4	74.3	0.03850	74.4	99,630	0.00014	0.00006	0.00002	0.00010	5	
73.4	73.3	0.03848	73.4	99,620	0.00015	0.00006	0.00002	0.00010	6	
72.4	72.3	0.03845	72.4	99,610	0.00014	0.00007	0.00002	0.00010	7	
71.5	71.3	0.03843	71.4	99,599	0.00015	0.00005	0.00002	0.00010	8	
70.5	70.3	0.03840	70.4	99,589	0.00014	0.00005	0.00002	0.00010	9	
69.5	69.3	0.03837	69.4	99,580	0.00013	0.00006	0.00002	0.00010	10	
68.5	68.3	0.03835	68.4	99,570	0.00015	0.00005	0.00003	0.00010	11	
67.5	67.3	0.03831	67.4	99,560	0.00015	0.00008	0.00002	0.00011	12	
66.5	66.3	0.03830	66.4	99,549	0.00018	0.00009	0.00003	0.00014	13	
65.5	65.3	0.03827	65.4	99,535	0.00023	0.00012	0.00003	0.00017	14	
64.5	64.4	0.03823	64.4	99,518	0.00028	0.00016	0.00003	0.00022	15	
63.5	63.4	0.03819	63.4	99,496	0.00037	0.00021	0.00004	0.00029	16	
62.5	62.4	0.03811	62.5	99,467	0.00045	0.00028	0.00004	0.00036	17	
61.6	61.4	0.03803	61.5	99,431	0.00053	0.00036	0.00004	0.00044	18	
60.6	60.4	0.03795	60.5	99,387	0.00064	0.00045	0.00005	0.00054	19	
59.6	59.5	0.03787	59.5	99,333	0.00085	0.00061	0.00006	0.00073	20	
58.7	58.5	0.03773	58.6	99,260	0.00079	0.00055	0.00006	0.00067	21	
57.7	57.6	0.03759	57.6	99,194	0.00071	0.00052	0.00005	0.00061	22	
56.7	56.6	0.03751	56.7	99,133	0.00068	0.00047	0.00005	0.00057	23	
55.8	55.6	0.03741	55.7	99,076	0.00065	0.00045	0.00005	0.00055	24	
54.8	54.7	0.03733	54.7	99,022	0.00064	0.00044	0.00005	0.00054	25	
53.8	53.7	0.03724	53.8	98,969	0.00062	0.00044	0.00005	0.00053	26	
52.9	52.7	0.03718	52.8	98,916	0.00064	0.00043	0.00005	0.00053	27	
51.9	51.7	0.03709	51.8	98,863	0.00065	0.00044	0.00005	0.00054	28	
50.9	50.8	0.03701	50.8	98,810	0.00065	0.00047	0.00005	0.00056	29	
49.9	49.8	0.03696	49.9	98,754	0.00069	0.00048	0.00005	0.00058	30	
49.0	48.8	0.03688	48.9	98,697	0.00073	0.00049	0.00006	0.00061	31	
48.0	47.9	0.03679	47.9	98,637	0.00076	0.00053	0.00006	0.00065	32	
47.0	46.9	0.03671	47.0	98,573	0.00081	0.00057	0.00006	0.00069	33	
46.1	45.9	0.03662	46.0	98,505	0.00085	0.00062	0.00006	0.00074	34	
45.1	45.0	0.03655	45.0	98,432	0.00093	0.00065	0.00007	0.00079	35	
44.1	44.0	0.03644	44.1	98,354	0.00100	0.00072	0.00007	0.00086	36	
43.2	43.0	0.03634	43.1	98,270	0.00109	0.00077	0.00008	0.00093	37	
42.2	42.1	0.03621	42.1	98,179	0.00116	0.00086	0.00008	0.00101	38	
41.3	41.1	0.03610	41.2	98,080	0.00127	0.00094	0.00008	0.00110	39	
40.3	40.2	0.03597	40.2	97,971	0.00139	0.00102	0.00010	0.00120	40	
39.3	39.2	0.03582	39.3	97,854	0.00150	0.00113	0.00009	0.00132	41	
38.4	38.3	0.03567	38.3	97,725	0.00164	0.00124	0.00010	0.00144	42	
37.4	37.3	0.03552	37.4	97,584	0.00179	0.00137	0.00011	0.00158	43	
36.5	36.4	0.03536	36.4	97,430	0.00195	0.00152	0.00011	0.00174	44	
35.6	35.4	0.03521	35.5	97,260	0.00213	0.00168	0.00011	0.00191	45	
34.6	34.5	0.03505	34.6	97,075	0.00232	0.00187	0.00012	0.00209	46	
33.7	33.6	0.03490	33.6	96,872	0.00255	0.00206	0.00013	0.00230	47	
32.8	32.6	0.03473	32.7	96,649	0.00278	0.00228	0.00013	0.00253	48	
31.9	31.7	0.03457	31.8	96,405	0.00305	0.00251	0.00014	0.00278	49	
31.0	30.8	0.03440	30.9	96,136	0.00333	0.00278	0.00014	0.00306	50	

TABLE 5.- COMPLETE LIFE TABLE OF ISRAEL: JEWS - MALES

Jews										2004-2008									
Males																			
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל										
Life expectancy					Survivors at age x	Probability of death				Age									
רווח סמך		סטיית תקן	e <sub>x</sub>			I <sub>x</sub>	רווח סמך				סטטיית תקן	q <sub>x</sub>							
גבול עליון	גבול תחתון			Standard deviation	Upper boundary		Lower boundary	Standard deviation	Upper boundary	Lower boundary			Standard deviation	Upper boundary	Lower boundary	Standard deviation	Upper boundary	Lower boundary	
30.0	29.9	0.03424	30.0	95,843	0.00366	0.00306	0.00015	0.00336	51										
29.1	29.0	0.03405	29.1	95,521	0.00399	0.00340	0.00015	0.00370	52										
28.2	28.1	0.03389	28.2	95,168	0.00438	0.00375	0.00016	0.00406	53										
27.4	27.2	0.03373	27.3	94,781	0.00480	0.00414	0.00017	0.00447	54										
26.5	26.3	0.03358	26.4	94,357	0.00527	0.00457	0.00018	0.00492	55										
25.6	25.5	0.03342	25.5	93,893	0.00578	0.00504	0.00019	0.00541	56										
24.7	24.6	0.03326	24.7	93,386	0.00635	0.00555	0.00020	0.00595	57										
23.9	23.8	0.03308	23.8	92,830	0.00698	0.00612	0.00022	0.00655	58										
23.0	22.9	0.03290	23.0	92,222	0.00769	0.00673	0.00025	0.00721	59										
22.2	22.1	0.03266	22.1	91,557	0.00845	0.00742	0.00026	0.00794	60										
21.4	21.2	0.03242	21.3	90,831	0.00933	0.00815	0.00030	0.00874	61										
20.6	20.4	0.03208	20.5	90,037	0.01030	0.00896	0.00034	0.00963	62										
19.8	19.6	0.03163	19.7	89,170	0.01134	0.00989	0.00037	0.01062	63										
19.0	18.8	0.03114	18.9	88,223	0.01246	0.01095	0.00039	0.01171	64										
18.2	18.1	0.03066	18.1	87,190	0.01371	0.01211	0.00041	0.01291	65										
17.4	17.3	0.03017	17.3	86,065	0.01508	0.01342	0.00042	0.01425	66										
16.6	16.5	0.02971	16.6	84,838	0.01658	0.01488	0.00043	0.01573	67										
15.9	15.8	0.02931	15.8	83,503	0.01827	0.01648	0.00046	0.01738	68										
15.2	15.1	0.02893	15.1	82,053	0.02017	0.01823	0.00049	0.01920	69										
14.5	14.3	0.02853	14.4	80,477	0.02224	0.02021	0.00052	0.02122	70										
13.8	13.7	0.02815	13.7	78,769	0.02457	0.02237	0.00056	0.02347	71										
13.1	13.0	0.02777	13.0	76,920	0.02716	0.02477	0.00061	0.02597	72										
12.4	12.3	0.02736	12.4	74,923	0.03002	0.02745	0.00066	0.02873	73										
11.8	11.7	0.02693	11.7	72,770	0.03312	0.03049	0.00067	0.03181	74										
11.1	11.0	0.02663	11.1	70,455	0.03664	0.03380	0.00073	0.03522	75										
10.5	10.4	0.02634	10.5	67,974	0.04056	0.03746	0.00079	0.03901	76										
9.9	9.8	0.02605	9.9	65,322	0.04488	0.04156	0.00085	0.04322	77										
9.3	9.2	0.02582	9.3	62,499	0.04969	0.04609	0.00092	0.04789	78										
8.8	8.7	0.02561	8.7	59,506	0.05501	0.05115	0.00099	0.05308	79										
8.2	8.1	0.02549	8.2	56,347	0.06096	0.05672	0.00108	0.05884	80										
7.7	7.6	0.02540	7.7	53,032	0.06750	0.06296	0.00116	0.06523	81										
7.2	7.1	0.02545	7.2	49,573	0.07483	0.06984	0.00127	0.07233	82										
6.7	6.6	0.02560	6.7	45,987	0.08298	0.07747	0.00140	0.08022	83										
6.3	6.2	0.02586	6.2	42,298	0.09206	0.08592	0.00157	0.08899	84										
5.8	5.7	0.02624	5.8	38,534	0.10219	0.09529	0.00176	0.09874	85										
5.4	5.3	0.02676	5.4	34,729	0.11364	0.10554	0.00207	0.10959	86										
5.0	4.9	0.02724	5.0	30,923	0.12625	0.11707	0.00234	0.12166	87										
4.6	4.5	0.02788	4.6	27,161	0.14067	0.12956	0.00283	0.13511	88										
4.3	4.2	0.02826	4.2	23,491	0.15645	0.14377	0.00323	0.15011	89										
4.0	3.8	0.02874	3.9	19,965	0.17399	0.15971	0.00364	0.16685	90										
3.6	3.5	0.02953	3.6	16,634	0.19371	0.17738	0.00416	0.18554	91										
3.3	3.2	0.03070	3.3	13,547	0.21573	0.19713	0.00474	0.20643	92										
3.1	2.9	0.03255	3.0	10,751	0.24093	0.21861	0.00569	0.22977	93										
2.8	2.7	0.03481	2.7	8,280	0.26904	0.24266	0.00673	0.25585	94										
2.6	2.4	0.03803	2.5	6,162	0.30081	0.26908	0.00810	0.28495	95										
2.4	2.2	0.04259	2.3	4,406	0.33766	0.29703	0.01036	0.31735	96										
2.3	2.1	0.04760	2.2	3,008	0.37759	0.32899	0.01240	0.35329	97										
2.2	2.0	0.05480	2.1	1,945	0.42462	0.36128	0.01616	0.39295	98										
2.2	2.0	0.05880	2.1	1,181	0.47765	0.39510	0.02106	0.43638	99										
			2.3	666				0.48343	100+										

## לוח 6.- לוח תמותה שלם של ישראל: יהודים - נקבות

2004-2008										יהודים
										נקבות
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy			$e_x$		Probability of death			$q_x$		
רווח סמך		סטיות תקן			רווח סמך		סטיות תקן			
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	Age			
Upper boundary	Lower boundary		$l_x$	Upper boundary	Lower boundary					
82.7	82.6	0.03445	82.6	100,000	0.00264	0.00228	0.00009	0.00246	0	
81.9	81.8	0.03367	81.8	99,754	0.00034	0.00019	0.00004	0.00027	1	
80.9	80.8	0.03354	80.9	99,728	0.00016	0.00007	0.00002	0.00011	2	
79.9	79.8	0.03351	79.9	99,716	0.00013	0.00006	0.00002	0.00009	3	
79.0	78.8	0.03347	78.9	99,707	0.00013	0.00006	0.00002	0.00010	4	
78.0	77.8	0.03344	77.9	99,697	0.00014	0.00006	0.00002	0.00010	5	
77.0	76.8	0.03341	76.9	99,687	0.00013	0.00005	0.00002	0.00009	6	
76.0	75.8	0.03338	75.9	99,678	0.00013	0.00004	0.00002	0.00008	7	
75.0	74.9	0.03333	74.9	99,670	0.00011	0.00003	0.00002	0.00007	8	
74.0	73.9	0.03331	73.9	99,663	0.00010	0.00003	0.00002	0.00006	9	
73.0	72.9	0.03329	72.9	99,657	0.00009	0.00004	0.00001	0.00006	10	
72.0	71.9	0.03327	71.9	99,650	0.00011	0.00003	0.00002	0.00007	11	
71.0	70.9	0.03325	70.9	99,644	0.00012	0.00004	0.00002	0.00008	12	
70.0	69.9	0.03322	69.9	99,636	0.00013	0.00005	0.00002	0.00009	13	
69.0	68.9	0.03319	68.9	99,626	0.00016	0.00006	0.00003	0.00011	14	
68.0	67.9	0.03315	68.0	99,616	0.00016	0.00007	0.00002	0.00012	15	
67.0	66.9	0.03312	67.0	99,604	0.00017	0.00007	0.00002	0.00012	16	
66.0	65.9	0.03308	66.0	99,592	0.00018	0.00008	0.00002	0.00013	17	
65.0	64.9	0.03304	65.0	99,579	0.00028	0.00015	0.00003	0.00022	18	
64.1	63.9	0.03298	64.0	99,558	0.00030	0.00016	0.00004	0.00023	19	
63.1	62.9	0.03291	63.0	99,535	0.00028	0.00015	0.00003	0.00021	20	
62.1	62.0	0.03285	62.0	99,513	0.00026	0.00015	0.00003	0.00020	21	
61.1	61.0	0.03281	61.0	99,493	0.00026	0.00014	0.00003	0.00020	22	
60.1	60.0	0.03277	60.0	99,473	0.00026	0.00013	0.00003	0.00020	23	
59.1	59.0	0.03272	59.1	99,453	0.00026	0.00014	0.00003	0.00020	24	
58.1	58.0	0.03268	58.1	99,434	0.00027	0.00015	0.00003	0.00021	25	
57.1	57.0	0.03264	57.1	99,413	0.00027	0.00015	0.00003	0.00021	26	
56.2	56.0	0.03260	56.1	99,392	0.00029	0.00016	0.00003	0.00022	27	
55.2	55.0	0.03256	55.1	99,369	0.00031	0.00016	0.00004	0.00024	28	
54.2	54.1	0.03250	54.1	99,346	0.00033	0.00018	0.00004	0.00025	29	
53.2	53.1	0.03245	53.1	99,320	0.00035	0.00020	0.00004	0.00027	30	
52.2	52.1	0.03240	52.1	99,293	0.00038	0.00022	0.00004	0.00030	31	
51.2	51.1	0.03234	51.2	99,264	0.00041	0.00023	0.00005	0.00032	32	
50.2	50.1	0.03227	50.2	99,232	0.00044	0.00027	0.00004	0.00035	33	
49.3	49.1	0.03220	49.2	99,196	0.00048	0.00030	0.00005	0.00039	34	
48.3	48.2	0.03213	48.2	99,158	0.00052	0.00034	0.00005	0.00043	35	
47.3	47.2	0.03207	47.2	99,116	0.00057	0.00036	0.00005	0.00047	36	
46.3	46.2	0.03199	46.3	99,069	0.00063	0.00040	0.00006	0.00052	37	
45.3	45.2	0.03189	45.3	99,018	0.00068	0.00045	0.00006	0.00057	38	
44.4	44.2	0.03180	44.3	98,962	0.00075	0.00050	0.00006	0.00063	39	
43.4	43.3	0.03170	43.3	98,900	0.00082	0.00056	0.00007	0.00069	40	
42.4	42.3	0.03159	42.4	98,832	0.00089	0.00063	0.00007	0.00076	41	
41.5	41.3	0.03149	41.4	98,756	0.00098	0.00070	0.00007	0.00084	42	
40.5	40.4	0.03138	40.4	98,673	0.00108	0.00077	0.00008	0.00093	43	
39.5	39.4	0.03124	39.5	98,582	0.00119	0.00085	0.00009	0.00102	44	
38.6	38.4	0.03109	38.5	98,481	0.00129	0.00096	0.00008	0.00112	45	
37.6	37.5	0.03097	37.6	98,370	0.00141	0.00106	0.00009	0.00124	46	
36.7	36.5	0.03083	36.6	98,249	0.00153	0.00119	0.00009	0.00136	47	
35.7	35.6	0.03071	35.6	98,115	0.00168	0.00131	0.00010	0.00149	48	
34.8	34.6	0.03057	34.7	97,969	0.00184	0.00145	0.00010	0.00164	49	
33.8	33.7	0.03043	33.8	97,808	0.00202	0.00159	0.00011	0.00180	50	

TABLE 6.- COMPLETE LIFE TABLE OF ISRAEL: JEWS - FEMALES

Jews										2004-2008									
Females																			
תוחלת חיים				נשארים		הסתברות למות				גיל									
Life expectancy				בחיים		Probability of death				Age									
רווח סמך		סטיית תקן	$e_x$	Survivors at age x	רווח סמך		סטיית תקן	$q_x$	Age										
Confidence interval					Confidence interval														
גבול עליון	גבול תחתון	Standard deviation	$I_x$	גבול עליון	גבול תחתון	Standard deviation													
Upper boundary	Lower boundary			Upper boundary	Lower boundary														
32.9	32.8	0.03026	32.8	97,631	0.00220	0.00176	0.00011	0.00198	51										
31.9	31.8	0.03010	31.9	97,438	0.00240	0.00195	0.00011	0.00217	52										
31.0	30.9	0.02995	30.9	97,226	0.00263	0.00215	0.00012	0.00239	53										
30.1	30.0	0.02979	30.0	96,994	0.00287	0.00237	0.00013	0.00262	54										
29.2	29.0	0.02962	29.1	96,739	0.00314	0.00262	0.00013	0.00288	55										
28.2	28.1	0.02946	28.2	96,461	0.00344	0.00290	0.00014	0.00317	56										
27.3	27.2	0.02930	27.3	96,155	0.00378	0.00320	0.00015	0.00349	57										
26.4	26.3	0.02913	26.4	95,820	0.00415	0.00353	0.00016	0.00384	58										
25.5	25.4	0.02895	25.5	95,452	0.00456	0.00390	0.00017	0.00423	59										
24.6	24.5	0.02876	24.6	95,048	0.00505	0.00428	0.00019	0.00466	60										
23.7	23.6	0.02851	23.7	94,605	0.00558	0.00472	0.00022	0.00515	61										
22.9	22.7	0.02819	22.8	94,118	0.00618	0.00521	0.00025	0.00570	62										
22.0	21.9	0.02779	21.9	93,582	0.00682	0.00579	0.00026	0.00630	63										
21.1	21.0	0.02739	21.1	92,992	0.00754	0.00644	0.00028	0.00699	64										
20.3	20.2	0.02696	20.2	92,342	0.00834	0.00717	0.00030	0.00776	65										
19.4	19.3	0.02650	19.4	91,625	0.00923	0.00802	0.00031	0.00863	66										
18.6	18.5	0.02606	18.5	90,835	0.01023	0.00898	0.00032	0.00961	67										
17.8	17.7	0.02565	17.7	89,962	0.01136	0.01007	0.00033	0.01071	68										
16.9	16.8	0.02527	16.9	88,998	0.01266	0.01127	0.00036	0.01197	69										
16.1	16.0	0.02487	16.1	87,933	0.01413	0.01265	0.00038	0.01339	70										
15.3	15.2	0.02447	15.3	86,755	0.01579	0.01421	0.00040	0.01500	71										
14.6	14.5	0.02408	14.5	85,454	0.01770	0.01597	0.00044	0.01683	72										
13.8	13.7	0.02364	13.8	84,016	0.01983	0.01800	0.00047	0.01891	73										
13.1	13.0	0.02322	13.0	82,426	0.02227	0.02030	0.00050	0.02128	74										
12.3	12.2	0.02280	12.3	80,672	0.02502	0.02294	0.00053	0.02398	75										
11.6	11.5	0.02242	11.6	78,738	0.02818	0.02592	0.00058	0.02705	76										
10.9	10.8	0.02203	10.9	76,608	0.03175	0.02936	0.00061	0.03055	77										
10.3	10.2	0.02171	10.2	74,267	0.03582	0.03325	0.00066	0.03454	78										
9.6	9.5	0.02142	9.6	71,702	0.04046	0.03771	0.00070	0.03909	79										
9.0	8.9	0.02120	8.9	68,900	0.04575	0.04278	0.00076	0.04427	80										
8.4	8.3	0.02105	8.3	65,850	0.05177	0.04858	0.00081	0.05017	81										
7.8	7.7	0.02101	7.7	62,546	0.05868	0.05513	0.00091	0.05690	82										
7.2	7.1	0.02102	7.2	58,987	0.06655	0.06259	0.00101	0.06457	83										
6.7	6.6	0.02111	6.6	55,178	0.07557	0.07104	0.00116	0.07330	84										
6.2	6.1	0.02123	6.1	51,133	0.08586	0.08063	0.00133	0.08324	85										
5.7	5.6	0.02137	5.6	46,877	0.09763	0.09146	0.00157	0.09455	86										
5.2	5.1	0.02145	5.2	42,445	0.11100	0.10379	0.00184	0.10739	87										
4.8	4.7	0.02148	4.7	37,886	0.12619	0.11778	0.00214	0.12199	88										
4.4	4.3	0.02145	4.3	33,265	0.14335	0.13372	0.00246	0.13854	89										
4.0	3.9	0.02147	3.9	28,656	0.16276	0.15181	0.00279	0.15729	90										
3.6	3.5	0.02162	3.6	24,149	0.18456	0.17242	0.00310	0.17849	91										
3.3	3.2	0.02224	3.2	19,839	0.20937	0.19544	0.00355	0.20241	92										
3.0	2.9	0.02334	2.9	15,823	0.23758	0.22107	0.00421	0.22932	93										
2.7	2.6	0.02493	2.6	12,195	0.26938	0.24963	0.00504	0.25950	94										
2.5	2.3	0.02727	2.4	9,030	0.30534	0.28102	0.00620	0.29318	95										
2.2	2.1	0.03052	2.2	6,383	0.34538	0.31572	0.00757	0.33055	96										
2.1	2.0	0.03558	2.0	4,273	0.39149	0.35192	0.01009	0.37170	97										
2.0	1.8	0.04111	1.9	2,685	0.44223	0.39097	0.01308	0.41660	98										
2.0	1.9	0.04439	1.9	1,566	0.49731	0.43271	0.01648	0.46501	99										
			2.2	838				0.51646	100+										

## לוח 7.- לוח תמותה שלם של ישראל: ערבים - זכרים

2004-2008										ערבים
										זכרים
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy			$e_x$		Probability of death			$q_x$		
רווח סמך		סטיית תקן			רווח סמך		סטיית תקן			
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	Age			
Upper boundary	Lower boundary		$I_x$	Upper boundary	Lower boundary					
75.5	75.1	0.11761	75.3	100,000	0.00757	0.00658	0.00025	0.00708	0	
75.1	74.6	0.11686	74.8	99,292	0.00170	0.00117	0.00013	0.00143	1	
74.2	73.7	0.11661	73.9	99,150	0.00078	0.00048	0.00008	0.00063	2	
73.2	72.8	0.11655	73.0	99,088	0.00055	0.00031	0.00006	0.00043	3	
72.2	71.8	0.11652	72.0	99,045	0.00048	0.00026	0.00006	0.00037	4	
71.3	70.8	0.11649	71.0	99,008	0.00045	0.00022	0.00006	0.00034	5	
70.3	69.8	0.11645	70.1	98,975	0.00043	0.00019	0.00006	0.00031	6	
69.3	68.9	0.11642	69.1	98,944	0.00038	0.00018	0.00005	0.00028	7	
68.3	67.9	0.11639	68.1	98,916	0.00035	0.00015	0.00005	0.00025	8	
67.4	66.9	0.11637	67.1	98,891	0.00031	0.00013	0.00005	0.00022	9	
66.4	65.9	0.11636	66.1	98,869	0.00030	0.00011	0.00005	0.00020	10	
65.4	64.9	0.11634	65.2	98,849	0.00028	0.00011	0.00004	0.00020	11	
64.4	63.9	0.11633	64.2	98,830	0.00032	0.00010	0.00005	0.00021	12	
63.4	63.0	0.11630	63.2	98,809	0.00036	0.00012	0.00006	0.00024	13	
62.4	62.0	0.11627	62.2	98,785	0.00041	0.00019	0.00006	0.00030	14	
61.4	61.0	0.11625	61.2	98,756	0.00053	0.00027	0.00007	0.00040	15	
60.5	60.0	0.11623	60.2	98,717	0.00070	0.00036	0.00009	0.00053	16	
59.5	59.0	0.11618	59.3	98,664	0.00090	0.00050	0.00010	0.00070	17	
58.5	58.1	0.11610	58.3	98,595	0.00111	0.00064	0.00012	0.00088	18	
57.6	57.1	0.11600	57.4	98,508	0.00125	0.00075	0.00013	0.00100	19	
56.6	56.2	0.11589	56.4	98,410	0.00128	0.00080	0.00012	0.00104	20	
55.7	55.3	0.11581	55.5	98,307	0.00129	0.00075	0.00014	0.00102	21	
54.8	54.3	0.11567	54.5	98,207	0.00126	0.00078	0.00012	0.00102	22	
53.8	53.4	0.11560	53.6	98,106	0.00152	0.00094	0.00015	0.00123	23	
52.9	52.4	0.11547	52.7	97,986	0.00134	0.00084	0.00013	0.00109	24	
51.9	51.5	0.11540	51.7	97,879	0.00123	0.00070	0.00014	0.00096	25	
51.0	50.5	0.11530	50.8	97,785	0.00116	0.00060	0.00014	0.00088	26	
50.0	49.6	0.11518	49.8	97,699	0.00106	0.00059	0.00012	0.00082	27	
49.1	48.6	0.11512	48.8	97,619	0.00102	0.00056	0.00012	0.00079	28	
48.1	47.7	0.11507	47.9	97,542	0.00101	0.00054	0.00012	0.00078	29	
47.1	46.7	0.11502	46.9	97,466	0.00098	0.00058	0.00010	0.00078	30	
46.2	45.7	0.11501	46.0	97,390	0.00103	0.00055	0.00012	0.00079	31	
45.2	44.8	0.11496	45.0	97,313	0.00108	0.00055	0.00014	0.00082	32	
44.3	43.8	0.11490	44.0	97,234	0.00107	0.00064	0.00011	0.00085	33	
43.3	42.8	0.11489	43.1	97,151	0.00116	0.00064	0.00013	0.00090	34	
42.3	41.9	0.11486	42.1	97,063	0.00124	0.00068	0.00014	0.00096	35	
41.4	40.9	0.11481	41.1	96,970	0.00131	0.00075	0.00014	0.00103	36	
40.4	40.0	0.11478	40.2	96,871	0.00144	0.00078	0.00017	0.00111	37	
39.5	39.0	0.11471	39.2	96,763	0.00157	0.00084	0.00019	0.00121	38	
38.5	38.1	0.11462	38.3	96,646	0.00169	0.00095	0.00019	0.00132	39	
37.6	37.1	0.11455	37.3	96,519	0.00183	0.00106	0.00020	0.00144	40	
36.6	36.2	0.11449	36.4	96,379	0.00194	0.00124	0.00018	0.00159	41	
35.7	35.2	0.11449	35.4	96,226	0.00217	0.00133	0.00021	0.00175	42	
34.7	34.3	0.11444	34.5	96,058	0.00239	0.00147	0.00023	0.00193	43	
33.8	33.3	0.11439	33.6	95,873	0.00261	0.00166	0.00024	0.00214	44	
32.9	32.4	0.11434	32.6	95,668	0.00292	0.00181	0.00028	0.00237	45	
31.9	31.5	0.11425	31.7	95,442	0.00317	0.00208	0.00028	0.00262	46	
31.0	30.6	0.11421	30.8	95,191	0.00348	0.00234	0.00029	0.00291	47	
30.1	29.7	0.11420	29.9	94,914	0.00390	0.00256	0.00034	0.00323	48	
29.2	28.8	0.11412	29.0	94,607	0.00430	0.00289	0.00036	0.00359	49	
28.3	27.9	0.11407	28.1	94,267	0.00478	0.00321	0.00040	0.00400	50	

TABLE 7.- COMPLETE LIFE TABLE OF ISRAEL: ARABS - MALES

תוחלת חיים Life expectancy			נשארים בחיים Survivors at age x $I_x$	הסתברות למות Probability of death			גיל Age		
רווח סמך Confidence interval		סטטיית תקן Standard deviation		$e_x$	רווח סמך Confidence interval			$q_x$	
גבול עליון Upper boundary	גבול תחתון Lower boundary				גבול עליון Upper boundary	גבול תחתון Lower boundary			
27.4	27.0	0.11399	27.2	93,891	0.00526	0.00364	0.00041	<b>0.00445</b>	51
26.5	26.1	0.11395	26.3	93,473	0.00586	0.00403	0.00047	<b>0.00495</b>	52
25.7	25.2	0.11387	25.4	93,011	0.00654	0.00448	0.00053	<b>0.00551</b>	53
24.8	24.4	0.11373	24.6	92,498	0.00719	0.00508	0.00054	<b>0.00614</b>	54
23.9	23.5	0.11368	23.7	91,930	0.00806	0.00562	0.00062	<b>0.00684</b>	55
23.1	22.7	0.11352	22.9	91,302	0.00904	0.00620	0.00072	<b>0.00762</b>	56
22.3	21.8	0.11320	22.1	90,606	0.01004	0.00694	0.00079	<b>0.00849</b>	57
21.5	21.0	0.11284	21.2	89,837	0.01123	0.00771	0.00090	<b>0.00947</b>	58
20.7	20.2	0.11233	20.4	88,986	0.01227	0.00884	0.00087	<b>0.01055</b>	59
19.9	19.4	0.11212	19.7	88,047	0.01354	0.00998	0.00091	<b>0.01176</b>	60
19.1	18.7	0.11205	18.9	87,011	0.01495	0.01127	0.00094	<b>0.01311</b>	61
18.3	17.9	0.11214	18.1	85,871	0.01662	0.01260	0.00103	<b>0.01461</b>	62
17.6	17.2	0.11227	17.4	84,617	0.01844	0.01409	0.00111	<b>0.01627</b>	63
16.9	16.4	0.11247	16.7	83,240	0.02066	0.01555	0.00130	<b>0.01810</b>	64
16.2	15.7	0.11244	16.0	81,733	0.02287	0.01740	0.00140	<b>0.02013</b>	65
15.5	15.1	0.11253	15.3	80,088	0.02522	0.01952	0.00146	<b>0.02237</b>	66
14.8	14.4	0.11288	14.6	78,296	0.02804	0.02162	0.00164	<b>0.02483</b>	67
14.2	13.8	0.11317	14.0	76,352	0.03100	0.02403	0.00178	<b>0.02751</b>	68
13.6	13.1	0.11358	13.4	74,251	0.03419	0.02670	0.00191	<b>0.03044</b>	69
13.0	12.5	0.11419	12.8	71,991	0.03787	0.02937	0.00217	<b>0.03362</b>	70
12.4	12.0	0.11468	12.2	69,570	0.04184	0.03227	0.00244	<b>0.03705</b>	71
11.9	11.4	0.11505	11.6	66,993	0.04584	0.03564	0.00260	<b>0.04074</b>	72
11.3	10.9	0.11572	11.1	64,263	0.04999	0.03938	0.00271	<b>0.04468</b>	73
10.8	10.4	0.11696	10.6	61,392	0.05478	0.04297	0.00301	<b>0.04887</b>	74
10.4	9.9	0.11826	10.1	58,391	0.05996	0.04664	0.00340	<b>0.05330</b>	75
9.9	9.4	0.11946	9.7	55,279	0.06516	0.05074	0.00368	<b>0.05795</b>	76
9.5	9.0	0.12098	9.2	52,075	0.07095	0.05466	0.00416	<b>0.06281</b>	77
9.1	8.6	0.12229	8.8	48,805	0.07656	0.05913	0.00445	<b>0.06784</b>	78
8.7	8.2	0.12408	8.4	45,494	0.08279	0.06330	0.00497	<b>0.07304</b>	79
8.3	7.8	0.12574	8.1	42,171	0.08897	0.06779	0.00540	<b>0.07838</b>	80
7.9	7.4	0.12769	7.7	38,865	0.09553	0.07215	0.00596	<b>0.08384</b>	81
7.6	7.1	0.12965	7.4	35,607	0.10156	0.07723	0.00621	<b>0.08939</b>	82
7.3	6.8	0.13281	7.0	32,424	0.11008	0.08002	0.00767	<b>0.09505</b>	83
7.0	6.5	0.13341	6.7	29,342	0.11657	0.08502	0.00805	<b>0.10079</b>	84
6.7	6.1	0.13484	6.4	26,385	0.12391	0.08939	0.00881	<b>0.10665</b>	85
6.4	5.9	0.13611	6.1	23,571	0.13118	0.09412	0.00945	<b>0.11265</b>	86
6.1	5.6	0.13776	5.8	20,915	0.13960	0.09809	0.01059	<b>0.11884</b>	87
5.8	5.3	0.13840	5.6	18,430	0.14702	0.10361	0.01107	<b>0.12531</b>	88
5.5	5.0	0.14033	5.3	16,120	0.15606	0.10827	0.01219	<b>0.13217</b>	89
5.3	4.7	0.14204	5.0	13,990	0.16545	0.11366	0.01321	<b>0.13956</b>	90
5.0	4.4	0.14421	4.7	12,037	0.17495	0.12040	0.01391	<b>0.14768</b>	91
4.8	4.2	0.14851	4.5	10,260	0.18720	0.12635	0.01552	<b>0.15678</b>	92
4.5	3.9	0.15338	4.2	8,651	0.20021	0.13416	0.01685	<b>0.16718</b>	93
4.3	3.6	0.16072	3.9	7,205	0.21943	0.13920	0.02047	<b>0.17932</b>	94
4.0	3.4	0.16551	3.7	5,913	0.23566	0.15174	0.02141	<b>0.19370</b>	95
3.8	3.1	0.17619	3.5	4,768	0.25926	0.16278	0.02461	<b>0.21102</b>	96
3.6	2.9	0.19004	3.3	3,762	0.30049	0.16375	0.03488	<b>0.23212</b>	97
3.5	2.7	0.18599	3.1	2,888	0.33394	0.18224	0.03870	<b>0.25809</b>	98
3.3	2.7	0.17200	3.0	2,143	0.38609	0.19438	0.04890	<b>0.29024</b>	99
			3.0	1,521				<b>0.33008</b>	100+

## לוח 8 - לוח תמותה שלם של ישראל: ערבים - נקבות

2004-2008										ערבים
										נקבות
תוחלת חיים				נשארים בחיים	הסתברות למות				גיל	
Life expectancy			$e_x$		Probability of death			$q_x$		
רווח סמך		סטיית תקן			רווח סמך		סטיית תקן			
גבול עליון	גבול תחתון	Standard deviation	Survivors at age x	גבול עליון	גבול תחתון	Standard deviation	Age			
Upper boundary	Lower boundary		$l_x$	Upper boundary	Lower boundary					
79.2	78.8	0.10742	79.0	100,000	0.00654	0.00562	0.00024	0.00608	0	
78.7	78.2	0.10644	78.4	99,392	0.00150	0.00098	0.00013	0.00124	1	
77.8	77.3	0.10606	77.5	99,269	0.00065	0.00037	0.00007	0.00051	2	
76.8	76.4	0.10597	76.6	99,218	0.00042	0.00022	0.00005	0.00032	3	
75.8	75.4	0.10593	75.6	99,187	0.00034	0.00015	0.00005	0.00024	4	
74.8	74.4	0.10590	74.6	99,162	0.00029	0.00012	0.00004	0.00021	5	
73.8	73.4	0.10587	73.6	99,142	0.00028	0.00009	0.00005	0.00018	6	
72.9	72.4	0.10583	72.7	99,124	0.00026	0.00008	0.00005	0.00017	7	
71.9	71.5	0.10580	71.7	99,107	0.00022	0.00009	0.00003	0.00015	8	
70.9	70.5	0.10578	70.7	99,092	0.00024	0.00004	0.00005	0.00014	9	
69.9	69.5	0.10574	69.7	99,078	0.00021	0.00007	0.00003	0.00014	10	
68.9	68.5	0.10573	68.7	99,064	0.00022	0.00006	0.00004	0.00014	11	
67.9	67.5	0.10570	67.7	99,050	0.00022	0.00007	0.00004	0.00014	12	
66.9	66.5	0.10569	66.7	99,036	0.00025	0.00005	0.00005	0.00015	13	
65.9	65.5	0.10565	65.7	99,021	0.00024	0.00007	0.00004	0.00016	14	
64.9	64.5	0.10564	64.7	99,005	0.00026	0.00007	0.00005	0.00016	15	
64.0	63.5	0.10561	63.7	98,989	0.00027	0.00006	0.00005	0.00017	16	
63.0	62.6	0.10557	62.8	98,973	0.00028	0.00008	0.00005	0.00018	17	
62.0	61.6	0.10554	61.8	98,955	0.00031	0.00011	0.00005	0.00021	18	
61.0	60.6	0.10552	60.8	98,934	0.00048	0.00017	0.00008	0.00033	19	
60.0	59.6	0.10545	59.8	98,902	0.00050	0.00020	0.00008	0.00035	20	
59.0	58.6	0.10539	58.8	98,868	0.00046	0.00019	0.00007	0.00033	21	
58.0	57.6	0.10534	57.8	98,835	0.00045	0.00017	0.00007	0.00031	22	
57.1	56.7	0.10530	56.9	98,805	0.00048	0.00012	0.00009	0.00030	23	
56.1	55.7	0.10521	55.9	98,775	0.00042	0.00017	0.00006	0.00029	24	
55.1	54.7	0.10518	54.9	98,746	0.00044	0.00015	0.00007	0.00029	25	
54.1	53.7	0.10513	53.9	98,717	0.00044	0.00015	0.00007	0.00030	26	
53.1	52.7	0.10509	52.9	98,688	0.00046	0.00015	0.00008	0.00030	27	
52.1	51.7	0.10503	51.9	98,658	0.00048	0.00016	0.00008	0.00032	28	
51.2	50.8	0.10498	51.0	98,627	0.00048	0.00018	0.00008	0.00033	29	
50.2	49.8	0.10495	50.0	98,594	0.00051	0.00018	0.00008	0.00035	30	
49.2	48.8	0.10490	49.0	98,560	0.00052	0.00022	0.00008	0.00037	31	
48.2	47.8	0.10488	48.0	98,524	0.00054	0.00025	0.00008	0.00039	32	
47.2	46.8	0.10486	47.0	98,485	0.00061	0.00024	0.00009	0.00042	33	
46.3	45.8	0.10481	46.0	98,443	0.00064	0.00027	0.00009	0.00046	34	
45.3	44.9	0.10477	45.1	98,398	0.00074	0.00024	0.00013	0.00049	35	
44.3	43.9	0.10467	44.1	98,350	0.00073	0.00034	0.00010	0.00054	36	
43.3	42.9	0.10464	43.1	98,297	0.00080	0.00037	0.00011	0.00059	37	
42.3	41.9	0.10459	42.1	98,240	0.00094	0.00034	0.00015	0.00064	38	
41.4	41.0	0.10447	41.2	98,177	0.00094	0.00046	0.00012	0.00070	39	
40.4	40.0	0.10442	40.2	98,108	0.00104	0.00050	0.00014	0.00077	40	
39.4	39.0	0.10436	39.2	98,032	0.00113	0.00057	0.00014	0.00085	41	
38.5	38.1	0.10431	38.3	97,949	0.00127	0.00061	0.00017	0.00094	42	
37.5	37.1	0.10421	37.3	97,857	0.00139	0.00068	0.00018	0.00103	43	
36.5	36.1	0.10410	36.3	97,756	0.00150	0.00079	0.00018	0.00114	44	
35.6	35.2	0.10402	35.4	97,644	0.00165	0.00088	0.00020	0.00127	45	
34.6	34.2	0.10393	34.4	97,521	0.00179	0.00102	0.00020	0.00140	46	
33.7	33.3	0.10386	33.5	97,384	0.00203	0.00109	0.00024	0.00156	47	
32.7	32.3	0.10372	32.5	97,232	0.00228	0.00118	0.00028	0.00173	48	
31.8	31.4	0.10351	31.6	97,063	0.00253	0.00132	0.00031	0.00193	49	
30.8	30.4	0.10326	30.6	96,876	0.00272	0.00158	0.00029	0.00215	50	

TABLE 8.- COMPLETE LIFE TABLE OF ISRAEL: ARABS - FEMALES

Arabs		2004-2008									
Females											
תוחלת חיים Life expectancy				נשארים בחיים  Survivors at age x  $I_x$	הסתברות למות Probability of death				גיל  Age		
רווח סמך Confidence interval		סטיית תקן Standard deviation	$e_x$		רווח סמך Confidence interval		סטיית תקן Standard deviation	$q_x$			
גבול עליון Upper boundary	גבול תחתון Lower boundary				גבול עליון Upper boundary	גבול תחתון Lower boundary					
29.9	29.5	0.10311	29.7	96,668	0.00305	0.00175	0.00033	0.00240	51		
29.0	28.6	0.10290	28.8	96,436	0.00335	0.00200	0.00034	0.00268	52		
28.0	27.6	0.10270	27.8	96,178	0.00366	0.00232	0.00034	0.00299	53		
27.1	26.7	0.10258	26.9	95,890	0.00410	0.00258	0.00039	0.00334	54		
26.2	25.8	0.10241	26.0	95,570	0.00465	0.00284	0.00046	0.00374	55		
25.3	24.9	0.10210	25.1	95,212	0.00527	0.00312	0.00055	0.00420	56		
24.4	24.0	0.10162	24.2	94,812	0.00581	0.00360	0.00057	0.00471	57		
23.5	23.1	0.10120	23.3	94,366	0.00653	0.00404	0.00063	0.00528	58		
22.6	22.2	0.10068	22.4	93,868	0.00711	0.00476	0.00060	0.00594	59		
21.8	21.4	0.10040	21.6	93,310	0.00800	0.00535	0.00068	0.00667	60		
20.9	20.5	0.10004	20.7	92,688	0.00885	0.00617	0.00068	0.00751	61		
20.1	19.7	0.09981	19.9	91,992	0.01001	0.00690	0.00080	0.00845	62		
19.2	18.8	0.09944	19.0	91,214	0.01128	0.00777	0.00090	0.00952	63		
18.4	18.0	0.09896	18.2	90,345	0.01259	0.00887	0.00095	0.01073	64		
17.6	17.2	0.09855	17.4	89,376	0.01438	0.00981	0.00117	0.01209	65		
16.8	16.4	0.09768	16.6	88,295	0.01593	0.01134	0.00117	0.01363	66		
16.0	15.6	0.09712	15.8	87,091	0.01783	0.01291	0.00125	0.01537	67		
15.3	14.9	0.09662	15.1	85,752	0.02003	0.01461	0.00138	0.01732	68		
14.5	14.1	0.09608	14.3	84,267	0.02252	0.01651	0.00153	0.01952	69		
13.8	13.4	0.09548	13.6	82,622	0.02513	0.01884	0.00160	0.02198	70		
13.1	12.7	0.09513	12.9	80,806	0.02828	0.02122	0.00180	0.02475	71		
12.4	12.0	0.09467	12.2	78,806	0.03170	0.02397	0.00197	0.02784	72		
11.7	11.4	0.09427	11.6	76,612	0.03555	0.02702	0.00218	0.03128	73		
11.1	10.7	0.09387	10.9	74,216	0.03964	0.03060	0.00231	0.03512	74		
10.5	10.1	0.09382	10.3	71,609	0.04461	0.03416	0.00266	0.03938	75		
9.9	9.5	0.09349	9.7	68,789	0.04952	0.03870	0.00276	0.04411	76		
9.3	8.9	0.09378	9.1	65,754	0.05510	0.04356	0.00294	0.04933	77		
8.7	8.4	0.09457	8.6	62,511	0.06141	0.04877	0.00322	0.05509	78		
8.2	7.8	0.09577	8.0	59,067	0.06937	0.05349	0.00405	0.06143	79		
7.7	7.3	0.09599	7.5	55,439	0.07651	0.06027	0.00414	0.06839	80		
7.2	6.8	0.09743	7.0	51,647	0.08542	0.06661	0.00480	0.07602	81		
6.8	6.4	0.09884	6.6	47,721	0.09503	0.07370	0.00544	0.08437	82		
6.3	5.9	0.10049	6.1	43,695	0.10586	0.08112	0.00631	0.09349	83		
5.9	5.5	0.10206	5.7	39,610	0.11704	0.08988	0.00693	0.10346	84		
5.5	5.1	0.10459	5.3	35,512	0.13034	0.09836	0.00816	0.11435	85		
5.1	4.7	0.10694	4.9	31,451	0.14476	0.10772	0.00945	0.12624	86		
4.8	4.4	0.10937	4.6	27,481	0.15940	0.11911	0.01028	0.13925	87		
4.5	4.0	0.11376	4.2	23,654	0.17770	0.12933	0.01234	0.15351	88		
4.2	3.7	0.11794	3.9	20,023	0.20068	0.13766	0.01608	0.16917	89		
3.8	3.4	0.11752	3.6	16,636	0.21954	0.15330	0.01690	0.18642	90		
3.6	3.1	0.12057	3.3	13,534	0.24120	0.16976	0.01822	0.20548	91		
3.3	2.8	0.12790	3.1	10,753	0.27029	0.18294	0.02228	0.22662	92		
3.1	2.5	0.13510	2.8	8,316	0.30541	0.19487	0.02820	0.25014	93		
2.9	2.3	0.13793	2.6	6,236	0.33494	0.21788	0.02986	0.27641	94		
2.7	2.1	0.14913	2.4	4,512	0.37789	0.23373	0.03678	0.30581	95		
2.5	1.9	0.16009	2.2	3,132	0.42110	0.25642	0.04201	0.33876	96		
2.4	1.7	0.17835	2.1	2,071	0.47694	0.27439	0.05167	0.37566	97		
2.4	1.6	0.19467	2.0	1,293	0.53477	0.29895	0.06016	0.41686	98		
2.5	1.7	0.19635	2.1	754	0.59047	0.33465	0.06526	0.46256	99		
			2.5	405				0.51271	100+		