

Bangladesh Bureau of Statistics: Report on Sample Vital Registration System-2013, downloaded from:
www.bbs.gov.bd (08.09.2016).

4.4 The Life Table

The life table is a life history of a hypothetical group of people which originates from some standard number of births and diminishes as age advances according to a predetermined schedule of mortality. It is a very useful device for studying the levels and trends in mortality and projecting population, labor force and school age population at some future dates. Insurance companies make extensive use of life table in the determination of their insurance premium. The government may also find a life table very useful in determining age at retirement for the employees. There are usually two types of life table: complete and abridged. The complete life table is presented in single years while the abridged life table is presented in five-year age groups. The SVRS data on the deaths by age groups of the population permit us to construct such life tables for males and females separately. It is also possible to construct life table for both. Tables 4.12, 4.13 and 4.14 are such three life tables for males, females and both sexes.

The interpretation of the various columns of a life table is beyond the scope of this report. The only column that we make use of here is the expectation of life denoted by e_x . These values represent the average longevities of individuals and thus reflect the general level of mortality in a population. The most useful indicator of a life table is its e_0 value, which measures the average life expectancy of a population and hence a useful index of the level of mortality. Based on the life table values, we find that females, on the average, have higher longevity (70.4 years) than their male counterparts (68.8 years). This difference has clearly been reflected in their life expectancies at all ages (see Figure 4.3). The numbers of survivors by age denoted by l_x also speak in favor of the higher survival of the females. The l_x values are shown in Figure 4.4.

Table 4.13: Abridged life table for males, SVRS 2013

Age	nq_x	l_x	nL_x	T_x	e_x
0	0.0317	100000	97253	6884927	68.8
1	0.0091	96830	385154	6787674	70.1
5	0.0005	95944	479599	6402519	66.7
10	0.0070	95896	477806	5922921	61.8
15	0.0065	95227	474599	5445114	57.2
20	0.0075	94610	471280	4970516	52.5
25	0.0065	93903	468046	4499236	47.9
30	0.0114	93294	463817	4031190	43.2
35	0.0070	92228	459503	3567374	38.7
40	0.0095	91584	455999	3107871	33.9
45	0.0272	90718	448112	2651872	29.2
50	0.0374	88253	433894	2203760	25.0
55	0.1007	84956	405422	1769866	20.8
60	0.1366	76401	356166	1364444	17.9
65	0.1470	65966	305856	1008278	15.3
70	0.2066	56270	253337	702422	12.5
75	0.3247	44642	186814	449086	10.1
80	0.3796	30145	120712	262271	8.7
85	...	18702	141559	141559	7.6

Table 4.14: Abridged life table for females, SVRS 2013

Age	nq_x	l_x	nL_x	T_x	e_x
0	0.0307	100000	97368	7123307	71.2
1	0.0084	96933	385686	7025938	72.5
5	0.0247	96123	474681	6640253	69.1
10	0.0080	93750	466880	6165571	65.8
15	0.0075	93003	463243	5698691	61.3
20	0.0065	92308	460042	5235448	56.7
25	0.0075	91710	456809	4775406	52.1
30	0.0055	91024	453921	4318597	47.4
35	0.0119	90525	450159	3864676	42.7
40	0.0159	89445	443699	3414516	38.2
45	0.0134	88025	437316	2970817	33.7
50	0.0291	86844	428415	2533500	29.2
55	0.0373	84316	414151	2105085	25.0
60	0.0603	81169	394728	1690934	20.8
65	0.1217	76274	359731	1296207	17.0
70	0.1652	66993	307464	936476	14.0
75	0.1810	55925	254343	629012	11.2
80	0.2409	45802	203201	374669	8.2
85	...	34768	171468	171468	4.9

Table 4.15: Abridged life table for both sexes, SVRS 2013

Age	nq_x	l_x	nL_x	T_x	e_x
0	0.0312	100000	97325	7039277	70.4
1	0.0088	96876	385361	6941952	71.7
5	0.0035	96028	479302	6556591	68.3
10	0.0075	95693	476675	6077289	63.5
15	0.0070	94978	473220	5600614	59.0
20	0.0070	94315	469929	5127394	54.4
25	0.0070	93657	466669	4657465	49.7
30	0.0080	93004	463211	4190796	45.1
35	0.0095	92263	459210	3727586	40.4
40	0.0124	91390	454299	3268376	35.8
45	0.0213	90254	446852	2814077	31.2
50	0.0335	88333	434973	2367225	26.8
55	0.0697	85375	413213	1932252	22.6
60	0.0995	79425	378184	1519039	19.1
65	0.1364	71521	334030	1140854	16.0
70	0.1892	61767	280299	806824	13.1
75	0.2560	50079	218378	526525	10.5
80	0.3191	37260	156670	308147	8.3
85	...	25369	151477	151477	6.0