

sex are reduced in number by death. For example, during the year 1951, of 100,000 males born, 4,325 died in their first year, so that 95,675 survived to one year of age; 326 died in their second year, so that 95,349 survived to two years of age; and so on. At 100 years of age, only 90 of the original 100,000 would have survived. The probability of death at each age is the ratio between the number of deaths and the population at each age. Finally, the expectation of life is the average number of years which a person might expect to live if the mortality rates in the given years remained constant.

31.—Canadian Life Table, 1951

| Age | Males | | | | Females | | | |
|---------------|---------------------------|--|--|---------------------|---------------------------|--|--|---------------------|
| | Number Living at Each Age | Number Dying Between Each Age and the Next | Probability of Dying Before Reaching Next Birthday | Expectation of Life | Number Living at Each Age | Number Dying Between Each Age and the Next | Probability of Dying Before Reaching Next Birthday | Expectation of Life |
| At birth..... | 100,000 | 4,325 | .04325 | 66.33 | 100,000 | 3,423 | .03423 | 70.83 |
| 1 year..... | 95,675 | 326 | .00341 | 68.33 | 96,577 | 288 | .00299 | 72.33 |
| 2 years..... | 95,349 | 172 | .00180 | 67.56 | 96,289 | 148 | .00154 | 71.55 |
| 3 "..... | 95,177 | 151 | .00159 | 66.68 | 96,141 | 110 | .00114 | 70.66 |
| 4 "..... | 95,026 | 112 | .00118 | 65.79 | 96,031 | 88 | .00092 | 69.74 |
| 5 "..... | 94,914 | 434 | .00101 | 64.86 | 95,943 | 318 | .00079 | 68.80 |
| 10 "..... | 94,480 | 397 | .00077 | 60.15 | 95,625 | 262 | .00052 | 64.02 |
| 15 "..... | 94,083 | 646 | .00112 | 55.39 | 95,363 | 371 | .00067 | 59.19 |
| 20 "..... | 93,437 | 851 | .00172 | 50.76 | 94,992 | 465 | .00091 | 54.41 |
| 25 "..... | 92,586 | 834 | .00182 | 46.20 | 94,527 | 534 | .00106 | 49.67 |
| 30 "..... | 91,752 | 928 | .00189 | 41.60 | 93,993 | 682 | .00129 | 44.94 |
| 35 "..... | 90,824 | 1,175 | .00227 | 37.00 | 93,311 | 957 | .00177 | 40.24 |
| 40 "..... | 89,649 | 1,772 | .00328 | 32.45 | 92,354 | 1,395 | .00257 | 35.63 |
| 45 "..... | 87,877 | 2,793 | .00524 | 28.05 | 90,959 | 2,048 | .00387 | 31.14 |
| 50 "..... | 85,084 | 4,322 | .00853 | 23.88 | 88,911 | 2,884 | .00560 | 26.80 |
| 55 "..... | 80,762 | 6,318 | .01348 | 20.02 | 86,027 | 4,238 | .00834 | 22.61 |
| 60 "..... | 74,444 | 8,629 | .02071 | 16.49 | 81,789 | 6,264 | .01308 | 18.64 |
| 65 "..... | 65,815 | 10,795 | .03004 | 13.31 | 75,525 | 8,949 | .02040 | 14.97 |
| 70 "..... | 55,020 | 13,185 | .04435 | 10.41 | 66,576 | 12,626 | .03308 | 11.62 |
| 75 "..... | 41,835 | 14,842 | .06938 | 7.89 | 53,950 | 16,238 | .05567 | 8.73 |
| 80 "..... | 26,993 | 13,483 | .10846 | 5.84 | 37,712 | 16,944 | .09222 | 6.38 |
| 85 "..... | 13,510 | 8,843 | .16353 | 4.27 | 20,768 | 12,831 | .14637 | 4.57 |
| 90 "..... | 4,667 | 3,718 | .23667 | 3.10 | 7,937 | 6,181 | .22183 | 3.24 |
| 95 "..... | 949 | 895 | .32997 | 2.24 | 1,756 | 1,585 | .32229 | 2.27 |
| 100 "..... | 90 | | .44550 | 1.60 | 171 | | .45146 | 1.59 |