

National Center for Health Statistics (NCHS): United States life tables, 2011. In: National Vital Statistics Reports; Vol. 64, No. 11, 2015, p. 17-20, downloaded from: www.cdc.gov (22.11.2016).

Table 5. Life table for white males: United States, 2011Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table05.xlsx.

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived above age x | Expectation of life at age x |
|-------------|---|-----------------------------|---|---|--|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 0-1 | 0.005535 | 100,000 | 554 | 99,515 | 7,659,433 | 76.6 |
| 1-2 | 0.000418 | 99,447 | 42 | 99,426 | 7,559,918 | 76.0 |
| 2-3 | 0.000277 | 99,405 | 28 | 99,391 | 7,460,492 | 75.1 |
| 3-4 | 0.000229 | 99,377 | 23 | 99,366 | 7,361,101 | 74.1 |
| 4-5 | 0.000167 | 99,355 | 17 | 99,346 | 7,261,735 | 73.1 |
| 5-6 | 0.000159 | 99,338 | 16 | 99,330 | 7,162,389 | 72.1 |
| 6-7 | 0.000143 | 99,322 | 14 | 99,315 | 7,063,059 | 71.1 |
| 7-8 | 0.000129 | 99,308 | 13 | 99,302 | 6,963,743 | 70.1 |
| 8-9 | 0.000112 | 99,295 | 11 | 99,290 | 6,864,442 | 69.1 |
| 9-10 | 0.000094 | 99,284 | 9 | 99,279 | 6,765,152 | 68.1 |
| 10-11 | 0.000083 | 99,275 | 8 | 99,271 | 6,665,873 | 67.1 |
| 11-12 | 0.000089 | 99,267 | 9 | 99,262 | 6,566,602 | 66.2 |
| 12-13 | 0.000127 | 99,258 | 13 | 99,251 | 6,467,340 | 65.2 |
| 13-14 | 0.000202 | 99,245 | 20 | 99,235 | 6,368,088 | 64.2 |
| 14-15 | 0.000306 | 99,225 | 30 | 99,210 | 6,268,853 | 63.2 |
| 15-16 | 0.000415 | 99,195 | 41 | 99,174 | 6,169,643 | 62.2 |
| 16-17 | 0.000522 | 99,154 | 52 | 99,128 | 6,070,469 | 61.2 |
| 17-18 | 0.000638 | 99,102 | 63 | 99,070 | 5,971,341 | 60.3 |
| 18-19 | 0.000763 | 99,039 | 76 | 99,001 | 5,872,271 | 59.3 |
| 19-20 | 0.000891 | 98,963 | 88 | 98,919 | 5,773,270 | 58.3 |
| 20-21 | 0.001025 | 98,875 | 101 | 98,824 | 5,674,351 | 57.4 |
| 21-22 | 0.001149 | 98,774 | 114 | 98,717 | 5,575,527 | 56.4 |
| 22-23 | 0.001238 | 98,660 | 122 | 98,599 | 5,476,810 | 55.5 |
| 23-24 | 0.001281 | 98,538 | 126 | 98,475 | 5,378,211 | 54.6 |
| 24-25 | 0.001289 | 98,412 | 127 | 98,348 | 5,279,736 | 53.6 |
| 25-26 | 0.001285 | 98,285 | 126 | 98,222 | 5,181,388 | 52.7 |
| 26-27 | 0.001287 | 98,159 | 126 | 98,095 | 5,083,166 | 51.8 |
| 27-28 | 0.001295 | 98,032 | 127 | 97,969 | 4,985,071 | 50.9 |
| 28-29 | 0.001317 | 97,905 | 129 | 97,841 | 4,887,102 | 49.9 |
| 29-30 | 0.001349 | 97,776 | 132 | 97,710 | 4,789,261 | 49.0 |
| 30-31 | 0.001386 | 97,644 | 135 | 97,577 | 4,691,551 | 48.0 |
| 31-32 | 0.001423 | 97,509 | 139 | 97,440 | 4,593,974 | 47.1 |
| 32-33 | 0.001458 | 97,370 | 142 | 97,299 | 4,496,534 | 46.2 |
| 33-34 | 0.001489 | 97,228 | 145 | 97,156 | 4,399,235 | 45.2 |
| 34-35 | 0.001522 | 97,084 | 148 | 97,010 | 4,302,079 | 44.3 |
| 35-36 | 0.001570 | 96,936 | 152 | 96,860 | 4,205,069 | 43.4 |
| 36-37 | 0.001637 | 96,784 | 158 | 96,705 | 4,108,209 | 42.4 |
| 37-38 | 0.001717 | 96,625 | 166 | 96,542 | 4,011,505 | 41.5 |
| 38-39 | 0.001809 | 96,459 | 175 | 96,372 | 3,914,962 | 40.6 |
| 39-40 | 0.001915 | 96,285 | 184 | 96,193 | 3,818,590 | 39.7 |
| 40-41 | 0.002031 | 96,100 | 195 | 96,003 | 3,722,398 | 38.7 |
| 41-42 | 0.002171 | 95,905 | 208 | 95,801 | 3,626,395 | 37.8 |
| 42-43 | 0.002355 | 95,697 | 225 | 95,584 | 3,530,594 | 36.9 |
| 43-44 | 0.002594 | 95,472 | 248 | 95,348 | 3,435,010 | 36.0 |
| 44-45 | 0.002880 | 95,224 | 274 | 95,087 | 3,339,662 | 35.1 |
| 45-46 | 0.003185 | 94,950 | 302 | 94,799 | 3,244,575 | 34.2 |
| 46-47 | 0.003503 | 94,647 | 332 | 94,482 | 3,149,776 | 33.3 |
| 47-48 | 0.003854 | 94,316 | 363 | 94,134 | 3,055,295 | 32.4 |
| 48-49 | 0.004236 | 93,952 | 398 | 93,753 | 2,961,161 | 31.5 |
| 49-50 | 0.004641 | 93,554 | 434 | 93,337 | 2,867,408 | 30.6 |
| 50-51 | 0.005059 | 93,120 | 471 | 92,885 | 2,774,070 | 29.8 |
| 51-52 | 0.005487 | 92,649 | 508 | 92,395 | 2,681,186 | 28.9 |
| 52-53 | 0.005935 | 92,141 | 547 | 91,867 | 2,588,791 | 28.1 |
| 53-54 | 0.006415 | 91,594 | 588 | 91,300 | 2,496,924 | 27.3 |
| 54-55 | 0.006937 | 91,006 | 631 | 90,691 | 2,405,624 | 26.4 |
| 55-56 | 0.007505 | 90,375 | 678 | 90,036 | 2,314,933 | 25.6 |
| 56-57 | 0.008111 | 89,697 | 727 | 89,333 | 2,224,897 | 24.8 |
| 57-58 | 0.008737 | 88,969 | 777 | 88,580 | 2,135,564 | 24.0 |
| 58-59 | 0.009360 | 88,192 | 825 | 87,779 | 2,046,984 | 23.2 |
| 59-60 | 0.009974 | 87,366 | 871 | 86,931 | 1,959,205 | 22.4 |
| 60-61 | 0.010604 | 86,495 | 917 | 86,036 | 1,872,274 | 21.6 |

See footnote at end of table.

Table 5. Life table for white males: United States, 2011—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table05.xlsx.

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived above age x | Expectation of life at age x |
|--------------|---|-----------------------------|---|---|--|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 61-62 | 0.011276 | 85,578 | 965 | 85,095 | 1,786,238 | 20.9 |
| 62-63 | 0.012007 | 84,613 | 1,016 | 84,105 | 1,701,143 | 20.1 |
| 63-64 | 0.012850 | 83,597 | 1,074 | 83,060 | 1,617,038 | 19.3 |
| 64-65 | 0.013848 | 82,523 | 1,143 | 81,951 | 1,533,978 | 18.6 |
| 65-66 | 0.015034 | 81,380 | 1,223 | 80,768 | 1,452,027 | 17.8 |
| 66-67 | 0.016400 | 80,156 | 1,315 | 79,499 | 1,371,259 | 17.1 |
| 67-68 | 0.017917 | 78,842 | 1,413 | 78,136 | 1,291,759 | 16.4 |
| 68-69 | 0.019481 | 77,429 | 1,508 | 76,675 | 1,213,624 | 15.7 |
| 69-70 | 0.021114 | 75,921 | 1,603 | 75,119 | 1,136,949 | 15.0 |
| 70-71 | 0.022988 | 74,318 | 1,708 | 73,464 | 1,061,829 | 14.3 |
| 71-72 | 0.025101 | 72,609 | 1,823 | 71,698 | 988,366 | 13.6 |
| 72-73 | 0.027439 | 70,787 | 1,942 | 69,816 | 916,668 | 12.9 |
| 73-74 | 0.030023 | 68,845 | 2,067 | 67,811 | 846,852 | 12.3 |
| 74-75 | 0.032932 | 66,778 | 2,199 | 65,678 | 779,041 | 11.7 |
| 75-76 | 0.036068 | 64,578 | 2,329 | 63,414 | 713,363 | 11.0 |
| 76-77 | 0.039531 | 62,249 | 2,461 | 61,019 | 649,949 | 10.4 |
| 77-78 | 0.043564 | 59,788 | 2,605 | 58,486 | 588,930 | 9.9 |
| 78-79 | 0.048194 | 57,184 | 2,756 | 55,806 | 530,444 | 9.3 |
| 79-80 | 0.053550 | 54,428 | 2,915 | 52,971 | 474,638 | 8.7 |
| 80-81 | 0.059588 | 51,513 | 3,070 | 49,979 | 421,667 | 8.2 |
| 81-82 | 0.065918 | 48,444 | 3,193 | 46,847 | 371,689 | 7.7 |
| 82-83 | 0.073081 | 45,250 | 3,307 | 43,597 | 324,841 | 7.2 |
| 83-84 | 0.081020 | 41,944 | 3,398 | 40,244 | 281,244 | 6.7 |
| 84-85 | 0.089324 | 38,545 | 3,443 | 36,824 | 241,000 | 6.3 |
| 85-86 | 0.099884 | 35,102 | 3,506 | 33,349 | 204,176 | 5.8 |
| 86-87 | 0.111452 | 31,596 | 3,521 | 29,835 | 170,827 | 5.4 |
| 87-88 | 0.124067 | 28,075 | 3,483 | 26,333 | 140,992 | 5.0 |
| 88-89 | 0.137755 | 24,591 | 3,388 | 22,898 | 114,659 | 4.7 |
| 89-90 | 0.152529 | 21,204 | 3,234 | 19,587 | 91,761 | 4.3 |
| 90-91 | 0.168383 | 17,970 | 3,026 | 16,457 | 72,174 | 4.0 |
| 91-92 | 0.185291 | 14,944 | 2,769 | 13,559 | 55,718 | 3.7 |
| 92-93 | 0.203204 | 12,175 | 2,474 | 10,938 | 42,158 | 3.5 |
| 93-94 | 0.222050 | 9,701 | 2,154 | 8,624 | 31,220 | 3.2 |
| 94-95 | 0.241733 | 7,547 | 1,824 | 6,635 | 22,596 | 3.0 |
| 95-96 | 0.262131 | 5,723 | 1,500 | 4,972 | 15,962 | 2.8 |
| 96-97 | 0.283104 | 4,222 | 1,195 | 3,625 | 10,989 | 2.6 |
| 97-98 | 0.304492 | 3,027 | 922 | 2,566 | 7,364 | 2.4 |
| 98-99 | 0.326122 | 2,105 | 687 | 1,762 | 4,798 | 2.3 |
| 99-100 | 0.347813 | 1,419 | 493 | 1,172 | 3,036 | 2.1 |
| 100 and over | 1.000000 | 925 | 925 | 1,864 | 1,864 | 2.0 |

SOURCE: CDC/NCHS, National Vital Statistics System.

Table 6. Life table for white females: United States, 2011Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table06.xlsx.

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived above age x | Expectation of life at age x |
|-------------|---|-----------------------------|---|---|--|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 0-1 | 0.004661 | 100,000 | 466 | 99,589 | 8,126,919 | 81.3 |
| 1-2 | 0.000352 | 99,534 | 35 | 99,516 | 8,027,329 | 80.6 |
| 2-3 | 0.000201 | 99,499 | 20 | 99,489 | 7,927,813 | 79.7 |
| 3-4 | 0.000170 | 99,479 | 17 | 99,470 | 7,828,324 | 78.7 |
| 4-5 | 0.000149 | 99,462 | 15 | 99,455 | 7,728,854 | 77.7 |
| 5-6 | 0.000124 | 99,447 | 12 | 99,441 | 7,629,399 | 76.7 |
| 6-7 | 0.000110 | 99,435 | 11 | 99,429 | 7,529,958 | 75.7 |
| 7-8 | 0.000100 | 99,424 | 10 | 99,419 | 7,430,529 | 74.7 |
| 8-9 | 0.000091 | 99,414 | 9 | 99,409 | 7,331,110 | 73.7 |
| 9-10 | 0.000083 | 99,405 | 8 | 99,401 | 7,231,701 | 72.7 |
| 10-11 | 0.000079 | 99,397 | 8 | 99,393 | 7,132,300 | 71.8 |
| 11-12 | 0.000082 | 99,389 | 8 | 99,385 | 7,032,907 | 70.8 |
| 12-13 | 0.000096 | 99,381 | 10 | 99,376 | 6,933,522 | 69.8 |
| 13-14 | 0.000125 | 99,371 | 12 | 99,365 | 6,834,146 | 68.8 |
| 14-15 | 0.000163 | 99,359 | 16 | 99,351 | 6,734,781 | 67.8 |
| 15-16 | 0.000205 | 99,343 | 20 | 99,332 | 6,635,431 | 66.8 |
| 16-17 | 0.000247 | 99,322 | 25 | 99,310 | 6,536,098 | 65.8 |
| 17-18 | 0.000286 | 99,298 | 28 | 99,284 | 6,436,788 | 64.8 |
| 18-19 | 0.000320 | 99,269 | 32 | 99,253 | 6,337,505 | 63.8 |
| 19-20 | 0.000350 | 99,238 | 35 | 99,220 | 6,238,251 | 62.9 |
| 20-21 | 0.000381 | 99,203 | 38 | 99,184 | 6,139,031 | 61.9 |
| 21-22 | 0.000412 | 99,165 | 41 | 99,145 | 6,039,847 | 60.9 |
| 22-23 | 0.000439 | 99,124 | 44 | 99,102 | 5,940,703 | 59.9 |
| 23-24 | 0.000461 | 99,081 | 46 | 99,058 | 5,841,600 | 59.0 |
| 24-25 | 0.000480 | 99,035 | 48 | 99,011 | 5,742,542 | 58.0 |
| 25-26 | 0.000498 | 98,987 | 49 | 98,963 | 5,643,531 | 57.0 |
| 26-27 | 0.000518 | 98,938 | 51 | 98,913 | 5,544,569 | 56.0 |
| 27-28 | 0.000542 | 98,887 | 54 | 98,860 | 5,445,656 | 55.1 |
| 28-29 | 0.000572 | 98,833 | 57 | 98,805 | 5,346,796 | 54.1 |
| 29-30 | 0.000608 | 98,777 | 60 | 98,747 | 5,247,991 | 53.1 |
| 30-31 | 0.000649 | 98,717 | 64 | 98,685 | 5,149,244 | 52.2 |
| 31-32 | 0.000693 | 98,653 | 68 | 98,618 | 5,050,559 | 51.2 |
| 32-33 | 0.000733 | 98,584 | 72 | 98,548 | 4,951,941 | 50.2 |
| 33-34 | 0.000768 | 98,512 | 76 | 98,474 | 4,853,393 | 49.3 |
| 34-35 | 0.000801 | 98,436 | 79 | 98,397 | 4,754,919 | 48.3 |
| 35-36 | 0.000842 | 98,358 | 83 | 98,316 | 4,656,522 | 47.3 |
| 36-37 | 0.000896 | 98,275 | 88 | 98,231 | 4,558,206 | 46.4 |
| 37-38 | 0.000964 | 98,187 | 95 | 98,139 | 4,459,975 | 45.4 |
| 38-39 | 0.001043 | 98,092 | 102 | 98,041 | 4,361,836 | 44.5 |
| 39-40 | 0.001134 | 97,990 | 111 | 97,934 | 4,263,795 | 43.5 |
| 40-41 | 0.001230 | 97,879 | 120 | 97,818 | 4,165,860 | 42.6 |
| 41-42 | 0.001338 | 97,758 | 131 | 97,693 | 4,068,042 | 41.6 |
| 42-43 | 0.001466 | 97,627 | 143 | 97,556 | 3,970,349 | 40.7 |
| 43-44 | 0.001619 | 97,484 | 158 | 97,405 | 3,872,793 | 39.7 |
| 44-45 | 0.001793 | 97,326 | 175 | 97,239 | 3,775,388 | 38.8 |
| 45-46 | 0.001975 | 97,152 | 192 | 97,056 | 3,678,149 | 37.9 |
| 46-47 | 0.002162 | 96,960 | 210 | 96,855 | 3,581,093 | 36.9 |
| 47-48 | 0.002371 | 96,750 | 229 | 96,636 | 3,484,238 | 36.0 |
| 48-49 | 0.002601 | 96,521 | 251 | 96,395 | 3,387,602 | 35.1 |
| 49-50 | 0.002846 | 96,270 | 274 | 96,133 | 3,291,207 | 34.2 |
| 50-51 | 0.003106 | 95,996 | 298 | 95,847 | 3,195,074 | 33.3 |
| 51-52 | 0.003367 | 95,698 | 322 | 95,537 | 3,099,227 | 32.4 |
| 52-53 | 0.003616 | 95,376 | 345 | 95,203 | 3,003,690 | 31.5 |
| 53-54 | 0.003851 | 95,031 | 366 | 94,848 | 2,908,487 | 30.6 |
| 54-55 | 0.004088 | 94,665 | 387 | 94,471 | 2,813,639 | 29.7 |
| 55-56 | 0.004339 | 94,278 | 409 | 94,073 | 2,719,168 | 28.8 |
| 56-57 | 0.004628 | 93,869 | 434 | 93,652 | 2,625,094 | 28.0 |
| 57-58 | 0.004973 | 93,434 | 465 | 93,202 | 2,531,443 | 27.1 |
| 58-59 | 0.005383 | 92,970 | 500 | 92,719 | 2,438,241 | 26.2 |
| 59-60 | 0.005842 | 92,469 | 540 | 92,199 | 2,345,521 | 25.4 |
| 60-61 | 0.006332 | 91,929 | 582 | 91,638 | 2,253,322 | 24.5 |

See footnote at end of table.

Table 6. Life table for white females: United States, 2011—Con.Spreadsheet version available from: ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Publications/NVSR/64_11/Table06.xlsx.

| Age (years) | Probability of dying between ages x and $x + 1$ | Number surviving to age x | Number dying between ages x and $x + 1$ | Person-years lived between ages x and $x + 1$ | Total number of person-years lived above age x | Expectation of life at age x |
|--------------|---|-----------------------------|---|---|--|--------------------------------|
| | q_x | l_x | d_x | L_x | T_x | e_x |
| 61–62 | 0.006849 | 91,347 | 626 | 91,034 | 2,161,684 | 23.7 |
| 62–63 | 0.007415 | 90,721 | 673 | 90,385 | 2,070,650 | 22.8 |
| 63–64 | 0.008061 | 90,049 | 726 | 89,686 | 1,980,265 | 22.0 |
| 64–65 | 0.008818 | 89,323 | 788 | 88,929 | 1,890,580 | 21.2 |
| 65–66 | 0.009734 | 88,535 | 862 | 88,104 | 1,801,651 | 20.3 |
| 66–67 | 0.010792 | 87,673 | 946 | 87,200 | 1,713,547 | 19.5 |
| 67–68 | 0.011923 | 86,727 | 1,034 | 86,210 | 1,626,346 | 18.8 |
| 68–69 | 0.013056 | 85,693 | 1,119 | 85,134 | 1,540,136 | 18.0 |
| 69–70 | 0.014225 | 84,574 | 1,203 | 83,973 | 1,455,003 | 17.2 |
| 70–71 | 0.015535 | 83,371 | 1,295 | 82,724 | 1,371,030 | 16.4 |
| 71–72 | 0.017054 | 82,076 | 1,400 | 81,376 | 1,288,307 | 15.7 |
| 72–73 | 0.018781 | 80,676 | 1,515 | 79,919 | 1,206,930 | 15.0 |
| 73–74 | 0.020723 | 79,161 | 1,640 | 78,341 | 1,127,012 | 14.2 |
| 74–75 | 0.022878 | 77,521 | 1,773 | 76,634 | 1,048,671 | 13.5 |
| 75–76 | 0.025250 | 75,747 | 1,913 | 74,791 | 972,037 | 12.8 |
| 76–77 | 0.027990 | 73,835 | 2,067 | 72,801 | 897,246 | 12.2 |
| 77–78 | 0.031146 | 71,768 | 2,235 | 70,650 | 824,445 | 11.5 |
| 78–79 | 0.034731 | 69,533 | 2,415 | 68,325 | 753,795 | 10.8 |
| 79–80 | 0.038746 | 67,118 | 2,601 | 65,817 | 685,470 | 10.2 |
| 80–81 | 0.043080 | 64,517 | 2,779 | 63,127 | 619,652 | 9.6 |
| 81–82 | 0.047808 | 61,738 | 2,952 | 60,262 | 556,525 | 9.0 |
| 82–83 | 0.053223 | 58,786 | 3,129 | 57,222 | 496,263 | 8.4 |
| 83–84 | 0.059515 | 55,657 | 3,312 | 54,001 | 439,041 | 7.9 |
| 84–85 | 0.067166 | 52,345 | 3,516 | 50,587 | 385,040 | 7.4 |
| 85–86 | 0.075456 | 48,829 | 3,684 | 46,987 | 334,452 | 6.8 |
| 86–87 | 0.085024 | 45,145 | 3,838 | 43,226 | 287,465 | 6.4 |
| 87–88 | 0.095610 | 41,306 | 3,949 | 39,332 | 244,240 | 5.9 |
| 88–89 | 0.107271 | 37,357 | 4,007 | 35,353 | 204,908 | 5.5 |
| 89–90 | 0.120055 | 33,350 | 4,004 | 31,348 | 169,555 | 5.1 |
| 90–91 | 0.133997 | 29,346 | 3,932 | 27,380 | 138,207 | 4.7 |
| 91–92 | 0.149117 | 25,414 | 3,790 | 23,519 | 110,827 | 4.4 |
| 92–93 | 0.165414 | 21,624 | 3,577 | 19,836 | 87,308 | 4.0 |
| 93–94 | 0.182862 | 18,047 | 3,300 | 16,397 | 67,473 | 3.7 |
| 94–95 | 0.201411 | 14,747 | 2,970 | 13,262 | 51,076 | 3.5 |
| 95–96 | 0.220982 | 11,777 | 2,602 | 10,476 | 37,814 | 3.2 |
| 96–97 | 0.241467 | 9,174 | 2,215 | 8,067 | 27,338 | 3.0 |
| 97–98 | 0.262733 | 6,959 | 1,828 | 6,045 | 19,271 | 2.8 |
| 98–99 | 0.284617 | 5,131 | 1,460 | 4,401 | 13,227 | 2.6 |
| 99–100 | 0.306939 | 3,670 | 1,127 | 3,107 | 8,826 | 2.4 |
| 100 and over | 1.000000 | 2,544 | 2,544 | 5,719 | 5,719 | 2.2 |

SOURCE: CDC/NCHS, National Vital Statistics System.