U.S. Depart. of Health & Human Services. Centers for CDC. Nat. Center for Health Statistics (2022): **U.S. State Life Tables, 2019**. National Vital Statistics Report Volume 70, Number 18. 18pp. Downloaded from: www.cdc.gov (11.05.2022).

Table VA–2. Life table for males: Virginia, 2019

| Age (years) | Probability of dying between ages $x$ and $x + 1$ $q_x$ | Number surviving to age $x$ $l_x$ | Number dying between ages $x$ and $x + 1$ $d_x$ | Person-years lived between ages $x$ and $x + 1$ $L_x$ | Total number of person-years lived over age $x$ $T_x$ | Expectation of life at age $x$ $e_x$ |
|---|---|---|---|---|---|---|
| 0–1 | 0.006415 | 100,000 | 642 | 99,438 | 7,675,677 | 76.8 |
| 1–2 | 0.000389 | 99,358 | 39 | 99,339 | 7,576,238 | 76.3 |
| 2–3 | 0.000212 | 99,320 | 21 | 99,309 | 7,476,899 | 75.3 |
| 3–4 | 0.000134 | 99,299 | 13 | 99,292 | 7,377,590 | 74.3 |
| 4–5 | 0.000115 | 99,285 | 11 | 99,280 | 7,278,298 | 73.3 |
| 5–6 | 0.000145 | 99,274 | 14 | 99,267 | 7,179,018 | 72.3 |
| 6–7 | 0.000147 | 99,260 | 15 | 99,252 | 7,079,751 | 71.3 |
| 7–8 | 0.000140 | 99,245 | 14 | 99,238 | 6,980,499 | 70.3 |
| 8–9 | 0.000121 | 99,231 | 12 | 99,225 | 6,881,261 | 69.3 |
| 9–10 | 0.000092 | 99,219 | 9 | 99,215 | 6,782,036 | 68.4 |
| 10–11 | 0.000064 | 99,210 | 6 | 99,207 | 6,682,821 | 67.4 |
| 11–12 | 0.000055 | 99,204 | 5 | 99,201 | 6,583,614 | 66.4 |
| 12–13 | 0.000085 | 99,198 | 8 | 99,194 | 6,484,413 | 65.4 |
| 13–14 | 0.000164 | 99,190 | 16 | 99,182 | 6,385,219 | 64.4 |
| 14–15 | 0.000282 | 99,174 | 28 | 99,160 | 6,286,038 | 63.4 |
| 15–16 | 0.000414 | 99,146 | 41 | 99,125 | 6,186,878 | 62.4 |
| 16–17 | 0.000541 | 99,105 | 54 | 99,078 | 6,087,753 | 61.4 |
| 17–18 | 0.000664 | 99,051 | 66 | 99,018 | 5,988,675 | 60.5 |
| 18–19 | 0.000773 | 98,985 | 76 | 98,947 | 5,889,657 | 59.5 |
| 19–20 | 0.000868 | 98,909 | 86 | 98,866 | 5,790,711 | 58.5 |
| 20–21 | 0.000958 | 98,823 | 95 | 98,775 | 5,691,845 | 57.6 |
| 21–22 | 0.001048 | 98,728 | 103 | 98,676 | 5,593,070 | 56.7 |
| 22–23 | 0.001131 | 98,625 | 112 | 98,569 | 5,494,393 | 55.7 |
| 23–24 | 0.001209 | 98,513 | 119 | 98,453 | 5,395,824 | 54.8 |
| 24–25 | 0.001281 | 98,394 | 126 | 98,331 | 5,297,371 | 53.8 |
| 25–26 | 0.001356 | 98,268 | 133 | 98,201 | 5,199,040 | 52.9 |
| 26–27 | 0.001425 | 98,135 | 140 | 98,065 | 5,100,839 | 52.0 |
| 27–28 | 0.001471 | 97,995 | 144 | 97,923 | 5,002,774 | 51.1 |
| 28–29 | 0.001490 | 97,851 | 146 | 97,778 | 4,904,852 | 50.1 |
| 29–30 | 0.001491 | 97,705 | 146 | 97,632 | 4,807,074 | 49.2 |
| 30–31 | 0.001476 | 97,559 | 144 | 97,487 | 4,709,442 | 48.3 |
| 31–32 | 0.001473 | 97,415 | 144 | 97,343 | 4,611,955 | 47.3 |
| 32–33 | 0.001505 | 97,272 | 146 | 97,198 | 4,514,611 | 46.4 |
| 33–34 | 0.001611 | 97,125 | 156 | 97,047 | 4,417,413 | 45.5 |
| 34–35 | 0.001749 | 96,969 | 170 | 96,884 | 4,320,366 | 44.6 |
| 35–36 | 0.001913 | 96,799 | 185 | 96,707 | 4,223,482 | 43.6 |
| 36–37 | 0.002062 | 96,614 | 199 | 96,514 | 4,126,775 | 42.7 |
| 37–38 | 0.002159 | 96,415 | 208 | 96,311 | 4,030,261 | 41.8 |
| 38–39 | 0.002184 | 96,207 | 210 | 96,102 | 3,933,950 | 40.9 |
| 39–40 | 0.002162 | 95,996 | 208 | 95,893 | 3,837,848 | 40.0 |
| 40–41 | 0.002130 | 95,789 | 204 | 95,687 | 3,741,956 | 39.1 |
| 41–42 | 0.002137 | 95,585 | 204 | 95,483 | 3,646,269 | 38.1 |
| 42–43 | 0.002201 | 95,381 | 210 | 95,276 | 3,550,786 | 37.2 |
| 43–44 | 0.002345 | 95,171 | 223 | 95,059 | 3,455,510 | 36.3 |
| 44–45 | 0.002550 | 94,948 | 242 | 94,826 | 3,360,451 | 35.4 |
| 45–46 | 0.002791 | 94,705 | 264 | 94,573 | 3,265,625 | 34.5 |
| 46–47 | 0.003045 | 94,441 | 288 | 94,297 | 3,171,052 | 33.6 |
| 47–48 | 0.003314 | 94,154 | 312 | 93,998 | 3,076,754 | 32.7 |
| 48–49 | 0.003598 | 93,842 | 338 | 93,673 | 2,982,757 | 31.8 |
| 49–50 | 0.003914 | 93,504 | 366 | 93,321 | 2,889,084 | 30.9 |
| 50–51 | 0.004252 | 93,138 | 396 | 92,940 | 2,795,763 | 30.0 |
| 51–52 | 0.004644 | 92,742 | 431 | 92,526 | 2,702,823 | 29.1 |
| 52–53 | 0.005139 | 92,311 | 474 | 92,074 | 2,610,297 | 28.3 |

Table VA–2. Life table for males: Virginia, 2019

| Age (years) | Probability of dying between ages $x$ and $x+1$ $q_x$ | Number surviving to age $x$ $l_x$ | Number dying between ages $x$ and $x+1$ $d_x$ | Person-years lived between ages $x$ and $x+1$ $L_x$ | Total number of person-years lived over age $x$ $T_x$ | Expectation of life at age $x$ $e_x$ |
|---|---|---|---|---|---|---|
| 53–54 | 0.005742 | 91,837 | 527 | 91,573 | 2,518,223 | 27.4 |
| 54–55 | 0.006407 | 91,309 | 585 | 91,017 | 2,426,650 | 26.6 |
| 55–56 | 0.007076 | 90,724 | 642 | 90,403 | 2,335,633 | 25.7 |
| 56–57 | 0.007732 | 90,082 | 697 | 89,734 | 2,245,230 | 24.9 |
| 57–58 | 0.008416 | 89,386 | 752 | 89,010 | 2,155,496 | 24.1 |
| 58–59 | 0.009157 | 88,634 | 812 | 88,228 | 2,066,486 | 23.3 |
| 59–60 | 0.009967 | 87,822 | 875 | 87,384 | 1,978,258 | 22.5 |
| 60–61 | 0.010865 | 86,947 | 945 | 86,474 | 1,890,874 | 21.7 |
| 61–62 | 0.011803 | 86,002 | 1,015 | 85,495 | 1,804,399 | 21.0 |
| 62–63 | 0.012725 | 84,987 | 1,081 | 84,446 | 1,718,905 | 20.2 |
| 63–64 | 0.013592 | 83,906 | 1,140 | 83,335 | 1,634,458 | 19.5 |
| 64–65 | 0.014437 | 82,765 | 1,195 | 82,168 | 1,551,123 | 18.7 |
| 65–66 | 0.015336 | 81,570 | 1,251 | 80,945 | 1,468,955 | 18.0 |
| 66–67 | 0.016614 | 80,319 | 1,334 | 79,652 | 1,388,010 | 17.3 |
| 67–68 | 0.017885 | 78,985 | 1,413 | 78,279 | 1,308,358 | 16.6 |
| 68–69 | 0.019202 | 77,572 | 1,490 | 76,827 | 1,230,080 | 15.9 |
| 69–70 | 0.020604 | 76,083 | 1,568 | 75,299 | 1,153,252 | 15.2 |
| 70–71 | 0.022090 | 74,515 | 1,646 | 73,692 | 1,077,953 | 14.5 |
| 71–72 | 0.023766 | 72,869 | 1,732 | 72,003 | 1,004,261 | 13.8 |
| 72–73 | 0.025779 | 71,137 | 1,834 | 70,220 | 932,258 | 13.1 |
| 73–74 | 0.028241 | 69,303 | 1,957 | 68,325 | 862,038 | 12.4 |
| 74–75 | 0.031212 | 67,346 | 2,102 | 66,295 | 793,713 | 11.8 |
| 75–76 | 0.034653 | 65,244 | 2,261 | 64,114 | 727,418 | 11.1 |
| 76–77 | 0.038442 | 62,983 | 2,421 | 61,773 | 663,304 | 10.5 |
| 77–78 | 0.042548 | 60,562 | 2,577 | 59,274 | 601,531 | 9.9 |
| 78–79 | 0.046993 | 57,985 | 2,725 | 56,623 | 542,258 | 9.4 |
| 79–80 | 0.051958 | 55,260 | 2,871 | 53,825 | 485,635 | 8.8 |
| 80–81 | 0.057544 | 52,389 | 3,015 | 50,882 | 431,810 | 8.2 |
| 81–82 | 0.063770 | 49,375 | 3,149 | 47,800 | 380,928 | 7.7 |
| 82–83 | 0.070737 | 46,226 | 3,270 | 44,591 | 333,128 | 7.2 |
| 83–84 | 0.078712 | 42,956 | 3,381 | 41,265 | 288,537 | 6.7 |
| 84–85 | 0.087950 | 39,575 | 3,481 | 37,835 | 247,272 | 6.2 |
| 85–86 | 0.098030 | 36,094 | 3,538 | 34,325 | 209,437 | 5.8 |
| 86–87 | 0.110047 | 32,556 | 3,583 | 30,765 | 175,112 | 5.4 |
| 87–88 | 0.123218 | 28,973 | 3,570 | 27,188 | 144,348 | 5.0 |
| 88–89 | 0.137575 | 25,403 | 3,495 | 23,656 | 117,159 | 4.6 |
| 89–90 | 0.153134 | 21,908 | 3,355 | 20,231 | 93,504 | 4.3 |
| 90–91 | 0.169888 | 18,553 | 3,152 | 16,977 | 73,273 | 3.9 |
| 91–92 | 0.187805 | 15,401 | 2,892 | 13,955 | 56,295 | 3.7 |
| 92–93 | 0.206824 | 12,509 | 2,587 | 11,215 | 42,340 | 3.4 |
| 93–94 | 0.226857 | 9,922 | 2,251 | 8,796 | 31,125 | 3.1 |
| 94–95 | 0.247784 | 7,671 | 1,901 | 6,721 | 22,328 | 2.9 |
| 95–96 | 0.269460 | 5,770 | 1,555 | 4,993 | 15,608 | 2.7 |
| 96–97 | 0.291711 | 4,215 | 1,230 | 3,601 | 10,615 | 2.5 |
| 97–98 | 0.314346 | 2,986 | 939 | 2,516 | 7,014 | 2.3 |
| 98–99 | 0.337157 | 2,047 | 690 | 1,702 | 4,498 | 2.2 |
| 99–100 | 0.359933 | 1,357 | 488 | 1,113 | 2,796 | 2.1 |
| 100 and over | 1.000000 | 869 | 869 | 1,683 | 1,683 | 1.9 |

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.

Table VA–3. Life table for females: Virginia, 2019

| Age (years) | Probability of dying between ages $x$ and $x+1$ $q_x$ | Number surviving to age $x$ $l_x$ | Number dying between ages $x$ and $x+1$ $d_x$ | Person-years lived between ages $x$ and $x+1$ $L_x$ | Total number of person-years lived over age $x$ $T_x$ | Expectation of life at age $x$ $e_x$ |
|---|---|---|---|---|---|---|
| 0–1 | 0.005224 | 100,000 | 522 | 99,532 | 8,132,166 | 81.3 |
| 1–2 | 0.000223 | 99,478 | 22 | 99,467 | 8,032,634 | 80.7 |
| 2–3 | 0.000182 | 99,455 | 18 | 99,446 | 7,933,167 | 79.8 |
| 3–4 | 0.000243 | 99,437 | 24 | 99,425 | 7,833,721 | 78.8 |
| 4–5 | 0.000141 | 99,413 | 14 | 99,406 | 7,734,296 | 77.8 |
| 5–6 | 0.000119 | 99,399 | 12 | 99,393 | 7,634,889 | 76.8 |
| 6–7 | 0.000097 | 99,387 | 10 | 99,382 | 7,535,496 | 75.8 |
| 7–8 | 0.000082 | 99,378 | 8 | 99,374 | 7,436,114 | 74.8 |
| 8–9 | 0.000073 | 99,369 | 7 | 99,366 | 7,336,740 | 73.8 |
| 9–10 | 0.000068 | 99,362 | 7 | 99,359 | 7,237,374 | 72.8 |
| 10–11 | 0.000070 | 99,355 | 7 | 99,352 | 7,138,015 | 71.8 |
| 11–12 | 0.000078 | 99,349 | 8 | 99,345 | 7,038,663 | 70.8 |
| 12–13 | 0.000094 | 99,341 | 9 | 99,336 | 6,939,319 | 69.9 |
| 13–14 | 0.000117 | 99,331 | 12 | 99,326 | 6,839,983 | 68.9 |
| 14–15 | 0.000146 | 99,320 | 15 | 99,313 | 6,740,657 | 67.9 |
| 15–16 | 0.000181 | 99,305 | 18 | 99,296 | 6,641,344 | 66.9 |
| 16–17 | 0.000217 | 99,287 | 22 | 99,277 | 6,542,048 | 65.9 |
| 17–18 | 0.000254 | 99,266 | 25 | 99,253 | 6,442,771 | 64.9 |
| 18–19 | 0.000291 | 99,241 | 29 | 99,226 | 6,343,518 | 63.9 |
| 19–20 | 0.000328 | 99,212 | 33 | 99,195 | 6,244,292 | 62.9 |
| 20–21 | 0.000365 | 99,179 | 36 | 99,161 | 6,145,097 | 62.0 |
| 21–22 | 0.000405 | 99,143 | 40 | 99,123 | 6,045,936 | 61.0 |
| 22–23 | 0.000450 | 99,103 | 45 | 99,081 | 5,946,813 | 60.0 |
| 23–24 | 0.000499 | 99,058 | 49 | 99,034 | 5,847,732 | 59.0 |
| 24–25 | 0.000550 | 99,009 | 54 | 98,982 | 5,748,699 | 58.1 |
| 25–26 | 0.000603 | 98,954 | 60 | 98,924 | 5,649,717 | 57.1 |
| 26–27 | 0.000652 | 98,895 | 64 | 98,862 | 5,550,793 | 56.1 |
| 27–28 | 0.000693 | 98,830 | 69 | 98,796 | 5,451,930 | 55.2 |
| 28–29 | 0.000726 | 98,762 | 72 | 98,726 | 5,353,134 | 54.2 |
| 29–30 | 0.000752 | 98,690 | 74 | 98,653 | 5,254,409 | 53.2 |
| 30–31 | 0.000778 | 98,616 | 77 | 98,577 | 5,155,756 | 52.3 |
| 31–32 | 0.000807 | 98,539 | 79 | 98,499 | 5,057,178 | 51.3 |
| 32–33 | 0.000834 | 98,460 | 82 | 98,419 | 4,958,679 | 50.4 |
| 33–34 | 0.000885 | 98,377 | 87 | 98,334 | 4,860,260 | 49.4 |
| 34–35 | 0.000934 | 98,290 | 92 | 98,245 | 4,761,926 | 48.4 |
| 35–36 | 0.000991 | 98,199 | 97 | 98,150 | 4,663,682 | 47.5 |
| 36–37 | 0.001048 | 98,101 | 103 | 98,050 | 4,565,532 | 46.5 |
| 37–38 | 0.001098 | 97,999 | 108 | 97,945 | 4,467,482 | 45.6 |
| 38–39 | 0.001139 | 97,891 | 111 | 97,835 | 4,369,537 | 44.6 |
| 39–40 | 0.001177 | 97,779 | 115 | 97,722 | 4,271,702 | 43.7 |
| 40–41 | 0.001220 | 97,664 | 119 | 97,605 | 4,173,980 | 42.7 |
| 41–42 | 0.001282 | 97,545 | 125 | 97,483 | 4,076,375 | 41.8 |
| 42–43 | 0.001371 | 97,420 | 134 | 97,354 | 3,978,892 | 40.8 |
| 43–44 | 0.001492 | 97,287 | 145 | 97,214 | 3,881,539 | 39.9 |
| 44–45 | 0.001637 | 97,142 | 159 | 97,062 | 3,784,325 | 39.0 |
| 45–46 | 0.001805 | 96,983 | 175 | 96,895 | 3,687,263 | 38.0 |
| 46–47 | 0.001981 | 96,808 | 192 | 96,712 | 3,590,367 | 37.1 |
| 47–48 | 0.002150 | 96,616 | 208 | 96,512 | 3,493,656 | 36.2 |
| 48–49 | 0.002307 | 96,408 | 222 | 96,297 | 3,397,144 | 35.2 |
| 49–50 | 0.002468 | 96,186 | 237 | 96,067 | 3,300,847 | 34.3 |
| 50–51 | 0.002630 | 95,948 | 252 | 95,822 | 3,204,780 | 33.4 |
| 51–52 | 0.002831 | 95,696 | 271 | 95,560 | 3,108,958 | 32.5 |
| 52–53 | 0.003118 | 95,425 | 298 | 95,276 | 3,013,398 | 31.6 |

Table VA–3. Life table for females: Virginia, 2019

| Age (years) | Probability of dying between ages $x$ and $x+1$ $q_x$ | Number surviving to age $x$ $l_x$ | Number dying between ages $x$ and $x+1$ $d_x$ | Person-years lived between ages $x$ and $x+1$ $L_x$ | Total number of person-years lived over age $x$ $T_x$ | Expectation of life at age $x$ $e_x$ |
|---|---|---|---|---|---|---|
| 53–54 | 0.003506 | 95,127 | 334 | 94,961 | 2,918,122 | 30.7 |
| 54–55 | 0.003957 | 94,794 | 375 | 94,606 | 2,823,161 | 29.8 |
| 55–56 | 0.004426 | 94,419 | 418 | 94,210 | 2,728,555 | 28.9 |
| 56–57 | 0.004879 | 94,001 | 459 | 93,771 | 2,634,345 | 28.0 |
| 57–58 | 0.005318 | 93,542 | 497 | 93,293 | 2,540,573 | 27.2 |
| 58–59 | 0.005744 | 93,045 | 534 | 92,777 | 2,447,280 | 26.3 |
| 59–60 | 0.006178 | 92,510 | 572 | 92,224 | 2,354,503 | 25.5 |
| 60–61 | 0.006649 | 91,939 | 611 | 91,633 | 2,262,278 | 24.6 |
| 61–62 | 0.007161 | 91,327 | 654 | 91,000 | 2,170,645 | 23.8 |
| 62–63 | 0.007705 | 90,673 | 699 | 90,324 | 2,079,645 | 22.9 |
| 63–64 | 0.008285 | 89,975 | 745 | 89,602 | 1,989,321 | 22.1 |
| 64–65 | 0.008912 | 89,229 | 795 | 88,832 | 1,899,719 | 21.3 |
| 65–66 | 0.009601 | 88,434 | 849 | 88,010 | 1,810,887 | 20.5 |
| 66–67 | 0.010477 | 87,585 | 918 | 87,126 | 1,722,877 | 19.7 |
| 67–68 | 0.011398 | 86,667 | 988 | 86,174 | 1,635,751 | 18.9 |
| 68–69 | 0.012385 | 85,680 | 1,061 | 85,149 | 1,549,577 | 18.1 |
| 69–70 | 0.013457 | 84,618 | 1,139 | 84,049 | 1,464,428 | 17.3 |
| 70–71 | 0.014631 | 83,480 | 1,221 | 82,869 | 1,380,379 | 16.5 |
| 71–72 | 0.015948 | 82,258 | 1,312 | 81,603 | 1,297,510 | 15.8 |
| 72–73 | 0.017459 | 80,947 | 1,413 | 80,240 | 1,215,908 | 15.0 |
| 73–74 | 0.019245 | 79,533 | 1,531 | 78,768 | 1,135,668 | 14.3 |
| 74–75 | 0.021377 | 78,003 | 1,667 | 77,169 | 1,056,900 | 13.5 |
| 75–76 | 0.023828 | 76,335 | 1,819 | 75,426 | 979,731 | 12.8 |
| 76–77 | 0.026609 | 74,516 | 1,983 | 73,525 | 904,305 | 12.1 |
| 77–78 | 0.029847 | 72,534 | 2,165 | 71,451 | 830,780 | 11.5 |
| 78–79 | 0.033656 | 70,369 | 2,368 | 69,184 | 759,329 | 10.8 |
| 79–80 | 0.038043 | 68,000 | 2,587 | 66,707 | 690,144 | 10.1 |
| 80–81 | 0.042917 | 65,413 | 2,807 | 64,010 | 623,437 | 9.5 |
| 81–82 | 0.047587 | 62,606 | 2,979 | 61,116 | 559,428 | 8.9 |
| 82–83 | 0.053851 | 59,627 | 3,211 | 58,021 | 498,311 | 8.4 |
| 83–84 | 0.060859 | 56,416 | 3,433 | 54,699 | 440,290 | 7.8 |
| 84–85 | 0.068677 | 52,982 | 3,639 | 51,163 | 385,591 | 7.3 |
| 85–86 | 0.077371 | 49,344 | 3,818 | 47,435 | 334,428 | 6.8 |
| 86–87 | 0.087005 | 45,526 | 3,961 | 43,546 | 286,993 | 6.3 |
| 87–88 | 0.097640 | 41,565 | 4,058 | 39,536 | 243,447 | 5.9 |
| 88–89 | 0.109330 | 37,507 | 4,101 | 35,456 | 203,911 | 5.4 |
| 89–90 | 0.122119 | 33,406 | 4,080 | 31,366 | 168,455 | 5.0 |
| 90–91 | 0.136039 | 29,327 | 3,990 | 27,332 | 137,089 | 4.7 |
| 91–92 | 0.151106 | 25,337 | 3,829 | 23,423 | 109,757 | 4.3 |
| 92–93 | 0.167315 | 21,508 | 3,599 | 19,709 | 86,334 | 4.0 |
| 93–94 | 0.184640 | 17,910 | 3,307 | 16,256 | 66,625 | 3.7 |
| 94–95 | 0.203029 | 14,603 | 2,965 | 13,120 | 50,369 | 3.4 |
| 95–96 | 0.222405 | 11,638 | 2,588 | 10,344 | 37,249 | 3.2 |
| 96–97 | 0.242662 | 9,050 | 2,196 | 7,952 | 26,905 | 3.0 |
| 97–98 | 0.263670 | 6,854 | 1,807 | 5,950 | 18,953 | 2.8 |
| 98–99 | 0.285272 | 5,047 | 1,440 | 4,327 | 13,003 | 2.6 |
| 99–100 | 0.307295 | 3,607 | 1,108 | 3,053 | 8,676 | 2.4 |
| 100 and over | 1.000000 | 2,499 | 2,499 | 5,623 | 5,623 | 2.3 |

SOURCE: National Center for Health Statistics, National Vital Statistics System, Mortality.