

Khosravi A., Taylor, R., Naghavi, M., Lopez, A.D. (2007): Mortality in the Islamic Republic of Iran, 1964–2004, in Bulletin of the World Health Organization, 85(8): 607–614. Downloaded from [www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) (04.11.2019).

Table 4(a). Estimated life table (males) for the Islamic Republic of Iran, 2004

| Age group | Years in interval | Mid-year population | Adjusted deaths | Mortality rate | Probability of dying | Probability of surviving | Individuals surviving | Deaths in interval $x, x+n$ | Years lived in interval $x, x+n$ | Cumulative years lived | Life expectancy at age $x$ |
|-----------|-------------------|---------------------|-----------------|----------------|----------------------|--------------------------|-----------------------|-----------------------------|----------------------------------|------------------------|----------------------------|
|           | $n$               | $nN_x$              | $nD_x$          | $nM_x$         | $nq_x$               | $np_x$                   | $l_x$                 | $nd_x$                      | $nL_x$                           | $T_x$                  | $e_x$                      |
| 0         | 1                 | *                   | *               | *              | 0.028                | 0.972                    | 100 000               | 2 843                       | 98 010                           | 6 872 228              | 68.72                      |
| 1–4       | 4                 | *                   | *               | *              | 0.006                | 0.994                    | 97 157                | 622                         | 387 134                          | 6 774 218              | 69.72                      |
| 5–9       | 5                 | 2 539 219           | 1 455           | 0.0006         | 0.003                | 0.997                    | 96 535                | 276                         | 481 984                          | 6 387 084              | 66.16                      |
| 10–14     | 5                 | 3 472 990           | 2 098           | 0.0006         | 0.003                | 0.997                    | 96 259                | 290                         | 480 568                          | 5 905 100              | 61.35                      |
| 15–19     | 5                 | 3 693 569           | 5 731           | 0.0016         | 0.008                | 0.992                    | 95 968                | 742                         | 477 988                          | 5 424 531              | 56.52                      |
| 20–24     | 5                 | 3 468 229           | 8 016           | 0.0023         | 0.011                | 0.989                    | 95 227                | 1 094                       | 473 399                          | 4 946 543              | 51.94                      |
| 25–29     | 5                 | 2 568 691           | 6 224           | 0.0024         | 0.012                | 0.988                    | 94 133                | 1 134                       | 467 829                          | 4 473 144              | 47.52                      |
| 30–34     | 5                 | 1 919 087           | 5 136           | 0.0027         | 0.013                | 0.987                    | 92 999                | 1 236                       | 461 905                          | 4 005 315              | 43.07                      |
| 35–39     | 5                 | 1 689 984           | 4 836           | 0.0029         | 0.014                | 0.986                    | 91 763                | 1 304                       | 455 555                          | 3 543 410              | 38.61                      |
| 40–44     | 5                 | 1 521 943           | 5 577           | 0.0037         | 0.018                | 0.982                    | 90 459                | 1 642                       | 448 190                          | 3 087 855              | 34.14                      |
| 45–49     | 5                 | 1 294 589           | 6 499           | 0.0050         | 0.025                | 0.975                    | 88 817                | 2 202                       | 438 580                          | 2 639 666              | 29.72                      |
| 50–54     | 5                 | 973 129             | 7 322           | 0.0075         | 0.037                | 0.963                    | 86 615                | 3 198                       | 425 080                          | 2 201 086              | 25.41                      |
| 55–59     | 5                 | 647 310             | 6 822           | 0.0105         | 0.051                | 0.949                    | 83 417                | 4 283                       | 406 377                          | 1 776 007              | 21.29                      |
| 60–64     | 5                 | 497 030             | 8 781           | 0.0177         | 0.085                | 0.915                    | 79 134                | 6 695                       | 378 934                          | 1 369 630              | 17.31                      |
| 65–69     | 5                 | 447 735             | 13 043          | 0.0291         | 0.136                | 0.864                    | 72 439                | 9 835                       | 337 610                          | 990 696                | 13.68                      |
| 70–74     | 5                 | 391 693             | 18 491          | 0.0472         | 0.211                | 0.789                    | 62 605                | 13 217                      | 279 980                          | 653 086                | 10.43                      |
| 75–79     | 5                 | 268 477             | 21 249          | 0.0791         | 0.330                | 0.670                    | 49 388                | 16 316                      | 206 149                          | 373 105                | 7.55                       |
| 80–84     | 5                 | 119 946             | 18 127          | 0.1511         | 0.548                | 0.452                    | 33 072                | 18 138                      | 120 015                          | 166 957                | 5.05                       |
| 85+       | 5                 | 35 661              | 11 346          | 0.3181         | 1                    | 0.000                    | 14 934                | 14 934                      | 46 942                           | 46 942                 | 3.14                       |

\* Deaths and population not required since  ${}_0Q_5$  estimated from censuses and surveys (see fig. 2).

Table 4(b). Estimated life table (females) for the Islamic Republic of Iran, 2004

| Age group | Years in interval | Mid-year population | Adjusted deaths | Mortality rate | Probability of dying | Probability of surviving | Individuals surviving | Deaths in interval $x, x+n$ | Years lived in interval $x, x+n$ | Cumulative years lived | Life expectancy at age $x$ |
|-----------|-------------------|---------------------|-----------------|----------------|----------------------|--------------------------|-----------------------|-----------------------------|----------------------------------|------------------------|----------------------------|
|           | $n$               | ${}_nN_x$           | ${}_nD_x$       | ${}_nM_x$      | ${}_nq_x$            | ${}_np_x$                | $l_x$                 | ${}_nd_x$                   | ${}_nL_x$                        | $T_x$                  | $e_x$                      |
| 0         | 1                 | *                   | *               | *              | 0.023                | 0.977                    | 100 000               | 2 334                       | 98 367                           | 7 118 931              | 71.19                      |
| 1–4       | 4                 | *                   | *               |                | 0.007                | 0.993                    | 97 666                | 639                         | 389 132                          | 7 020 564              | 71.88                      |
| 5–9       | 5                 | 2 383 989           | 1 428           | 0.0006         | 0.003                | 0.997                    | 97 027                | 290                         | 484 411                          | 6 631 432              | 68.35                      |
| 10–14     | 5                 | 3 258 197           | 1 607           | 0.0005         | 0.002                | 0.998                    | 96 737                | 238                         | 483 090                          | 6 147 022              | 63.54                      |
| 15–19     | 5                 | 3 475 099           | 3 082           | 0.0009         | 0.004                | 0.996                    | 96 499                | 427                         | 481 427                          | 5 663 932              | 58.69                      |
| 20–24     | 5                 | 3 282 897           | 3 266           | 0.0010         | 0.005                | 0.995                    | 96 072                | 477                         | 479 168                          | 5 182 505              | 53.94                      |
| 25–29     | 5                 | 2 439 540           | 2 608           | 0.0011         | 0.005                | 0.995                    | 95 595                | 510                         | 476 702                          | 4 703 337              | 49.20                      |
| 30–34     | 5                 | 1 864 658           | 2 406           | 0.0013         | 0.006                | 0.994                    | 95 086                | 611                         | 473 900                          | 4 226 635              | 44.45                      |
| 35–39     | 5                 | 1 641 123           | 2 448           | 0.0015         | 0.007                | 0.993                    | 94 474                | 702                         | 470 617                          | 3 752 735              | 39.72                      |
| 40–44     | 5                 | 1 434 407           | 2 961           | 0.0021         | 0.010                | 0.990                    | 93 772                | 963                         | 466 455                          | 3 282 118              | 35.00                      |
| 45–49     | 5                 | 1 236 910           | 3 931           | 0.0032         | 0.016                | 0.984                    | 92 810                | 1 463                       | 460 390                          | 2 815 663              | 30.34                      |
| 50–54     | 5                 | 1 038 742           | 5 279           | 0.0051         | 0.025                | 0.975                    | 91 347                | 2 292                       | 451 003                          | 2 355 273              | 25.78                      |
| 55–59     | 5                 | 768 680             | 6 114           | 0.0080         | 0.039                | 0.961                    | 89 054                | 3 472                       | 436 591                          | 1 904 271              | 21.38                      |
| 60–64     | 5                 | 531 669             | 8 044           | 0.0151         | 0.073                | 0.927                    | 85 582                | 6 238                       | 412 315                          | 1 467 679              | 17.15                      |
| 65–69     | 5                 | 448 069             | 12 201          | 0.0272         | 0.127                | 0.873                    | 79 344                | 10 114                      | 371 434                          | 1 055 364              | 13.30                      |
| 70–74     | 5                 | 370 373             | 18 426          | 0.0497         | 0.221                | 0.779                    | 69 230                | 15 316                      | 307 860                          | 683 930                | 9.88                       |
| 75–79     | 5                 | 244 716             | 21 667          | 0.0885         | 0.362                | 0.638                    | 53 914                | 19 542                      | 220 715                          | 376 070                | 6.98                       |
| 80–84     | 5                 | 114 808             | 20 060          | 0.1747         | 0.608                | 0.392                    | 34 372                | 20 900                      | 119 611                          | 155 355                | 4.52                       |
| 85+       | 5                 | 39 497              | 14 887          | 0.3769         | 1                    | 0.000                    | 13 472                | 13 472                      | 35 744                           | 35 744                 | 2.65                       |

\* Deaths and population not required since  ${}_0Q_5$  estimated from censuses and surveys (see fig. 2).