

**Tabela de mortalitate unisex emisa de Institutul Național de Statistică pentru anul 2013**

| Varsta | Numarul supravietuitorilor de virsta x ani | Numarul persoanelor decedatilor intre x si x+1 | Probabilitatea de supravietuire intre x si x+1 | Probalitatea de moarte intre x si x+1 |
|--------|--------------------------------------------|------------------------------------------------|------------------------------------------------|---------------------------------------|
| age    | lx                                         | dx                                             | px                                             | qx                                    |
| 0      | 100000                                     | 915                                            | 0.99085                                        | 0.00915                               |
| 1      | 99085                                      | 68                                             | 0.999313721                                    | 0.000686279                           |
| 2      | 99017                                      | 42                                             | 0.99957583                                     | 0.00042417                            |
| 3      | 98975                                      | 27                                             | 0.999727204                                    | 0.000272796                           |
| 4      | 98948                                      | 20                                             | 0.999797874                                    | 0.000202126                           |
| 5      | 98928                                      | 24                                             | 0.999757399                                    | 0.000242601                           |
| 6      | 98904                                      | 18                                             | 0.999818005                                    | 0.000181995                           |
| 7      | 98886                                      | 19                                             | 0.99980786                                     | 0.00019214                            |
| 8      | 98867                                      | 17                                             | 0.999828052                                    | 0.000171948                           |
| 9      | 98850                                      | 20                                             | 0.999797673                                    | 0.000202327                           |
| 10     | 98830                                      | 22                                             | 0.999777396                                    | 0.000222604                           |
| 11     | 98808                                      | 20                                             | 0.999797587                                    | 0.000202413                           |
| 12     | 98788                                      | 25                                             | 0.999746933                                    | 0.000253067                           |
| 13     | 98763                                      | 22                                             | 0.999777245                                    | 0.000222755                           |
| 14     | 98741                                      | 32                                             | 0.99967592                                     | 0.00032408                            |
| 15     | 98709                                      | 36                                             | 0.999635292                                    | 0.000364708                           |
| 16     | 98673                                      | 41                                             | 0.999584486                                    | 0.000415514                           |
| 17     | 98632                                      | 41                                             | 0.999584313                                    | 0.000415687                           |
| 18     | 98591                                      | 53                                             | 0.999462426                                    | 0.000537574                           |
| 19     | 98538                                      | 54                                             | 0.999451988                                    | 0.000548012                           |
| 20     | 98484                                      | 60                                             | 0.999390764                                    | 0.000609236                           |
| 21     | 98424                                      | 57                                             | 0.999420873                                    | 0.000579127                           |
| 22     | 98367                                      | 61                                             | 0.999379873                                    | 0.000620127                           |
| 23     | 98306                                      | 66                                             | 0.999328627                                    | 0.000671373                           |
| 24     | 98240                                      | 64                                             | 0.999348534                                    | 0.000651466                           |
| 25     | 98176                                      | 55                                             | 0.999439782                                    | 0.000560218                           |
| 26     | 98121                                      | 59                                             | 0.999398702                                    | 0.000601298                           |
| 27     | 98062                                      | 50                                             | 0.999490118                                    | 0.000509882                           |
| 28     | 98012                                      | 58                                             | 0.999408236                                    | 0.000591764                           |
| 29     | 97954                                      | 62                                             | 0.99936705                                     | 0.00063295                            |
| 30     | 97892                                      | 71                                             | 0.999274711                                    | 0.000725289                           |
| 31     | 97821                                      | 75                                             | 0.999233293                                    | 0.000766707                           |
| 32     | 97746                                      | 81                                             | 0.999171322                                    | 0.000828678                           |
| 33     | 97665                                      | 86                                             | 0.999119439                                    | 0.000880561                           |
| 34     | 97579                                      | 102                                            | 0.998954693                                    | 0.001045307                           |
| 35     | 97477                                      | 112                                            | 0.998851011                                    | 0.001148989                           |

|    |       |     |             |             |
|----|-------|-----|-------------|-------------|
| 36 | 97365 | 120 | 0.998767524 | 0.001232476 |
| 37 | 97245 | 134 | 0.998622037 | 0.001377963 |
| 38 | 97111 | 148 | 0.998475971 | 0.001524029 |
| 39 | 96963 | 166 | 0.998288007 | 0.001711993 |
| 40 | 96797 | 176 | 0.998181762 | 0.001818238 |
| 41 | 96621 | 196 | 0.997971455 | 0.002028545 |

| Tabela de mortalitate unisex emisa de Institutul Național de Statistică pentru anul 2010 |                                            |                                                |                                       |
|------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------|---------------------------------------|
| Varsta                                                                                   | Numarul supravietuitorilor de virsta x ani | Probabilitatea de supravietuire intre x si x+1 | Probalitatea de moarte intre x si x+1 |
| 0                                                                                        | 100,000                                    | 0.989620                                       | 0.010380                              |
| 1                                                                                        | 98,962                                     | 0.999192                                       | 0.000808                              |
| 2                                                                                        | 98,882                                     | 0.999515                                       | 0.000485                              |
| 3                                                                                        | 98,834                                     | 0.999666                                       | 0.000334                              |
| 4                                                                                        | 98,801                                     | 0.999737                                       | 0.000263                              |
| 5                                                                                        | 98,775                                     | 0.999696                                       | 0.000304                              |
| 6                                                                                        | 98,745                                     | 0.999676                                       | 0.000324                              |
| 7                                                                                        | 98,713                                     | 0.999737                                       | 0.000263                              |
| 8                                                                                        | 98,687                                     | 0.999767                                       | 0.000233                              |
| 9                                                                                        | 98,664                                     | 0.999807                                       | 0.000193                              |
| 10                                                                                       | 98,645                                     | 0.999747                                       | 0.000253                              |
| 11                                                                                       | 98,620                                     | 0.999797                                       | 0.000203                              |
| 12                                                                                       | 98,600                                     | 0.999706                                       | 0.000294                              |
| 13                                                                                       | 98,571                                     | 0.999716                                       | 0.000284                              |
| 14                                                                                       | 98,543                                     | 0.999665                                       | 0.000335                              |
| 15                                                                                       | 98,510                                     | 0.999604                                       | 0.000396                              |
| 16                                                                                       | 98,471                                     | 0.999563                                       | 0.000437                              |
| 17                                                                                       | 98,428                                     | 0.999431                                       | 0.000569                              |
| 18                                                                                       | 98,372                                     | 0.999410                                       | 0.000590                              |
| 19                                                                                       | 98,314                                     | 0.999308                                       | 0.000692                              |
| 20                                                                                       | 98,246                                     | 0.999247                                       | 0.000753                              |
| 21                                                                                       | 98,172                                     | 0.999267                                       | 0.000733                              |

**Tabela de mortalitate a populației României pentru femei și bărbați perioada  
2002-2004**

| Varsta | Numarul<br>supravietuitor<br>ilor de virsta x<br>ani - barbati | Numarul<br>supravietuitori<br>lor de virsta x<br>ani - femei | Numarul<br>persoanelor<br>decedatilor<br>intre x si x+1<br>ani barbati | Numarul<br>persoanelor<br>decedatilor<br>intre x si x+1<br>ani femei | Probalitatea<br>de moarte<br>intre x si x+1<br>ani barbati | Probalitatea<br>de moarte<br>intre x si x+1<br>ani femei | Probabilitatea de<br>supravietuire<br>intre x si x+1 ani<br>barbati | Probabilitatea de<br>supravietuire<br>intre x si x+1 ani<br>femei |
|--------|----------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------|
| ani    | $l(x)$                                                         | $l(x)$                                                       | $d(x)$                                                                 | $d(x)$                                                               | $q(x)$                                                     | $q(x)$                                                   | $p(x)$                                                              | $p(x)$                                                            |
| 0      | 100.000                                                        | 100.000                                                      | 1.891                                                                  | 1.493                                                                | 0,98109                                                    | 0,98507                                                  | 0,01891                                                             | 0,01493                                                           |
| 1      | 98.109                                                         | 98.507                                                       | 157                                                                    | 126                                                                  | 0,9984                                                     | 0,99872                                                  | 0,0016                                                              | 0,00128                                                           |
| 2      | 97.952                                                         | 98.381                                                       | 88                                                                     | 63                                                                   | 0,9991                                                     | 0,99936                                                  | 0,0009                                                              | 0,00064                                                           |
| 3      | 97.864                                                         | 98.318                                                       | 51                                                                     | 50                                                                   | 0,99948                                                    | 0,99949                                                  | 0,00052                                                             | 0,00051                                                           |
| 4      | 97.813                                                         | 98.268                                                       | 44                                                                     | 36                                                                   | 0,99955                                                    | 0,99963                                                  | 0,00045                                                             | 0,00037                                                           |
| 5      | 97.769                                                         | 98.232                                                       | 41                                                                     | 30                                                                   | 0,99958                                                    | 0,99969                                                  | 0,00042                                                             | 0,00031                                                           |
| 6      | 97.728                                                         | 98.202                                                       | 40                                                                     | 36                                                                   | 0,99959                                                    | 0,99963                                                  | 0,00041                                                             | 0,00037                                                           |
| 7      | 97.688                                                         | 98.166                                                       | 40                                                                     | 32                                                                   | 0,99959                                                    | 0,99967                                                  | 0,00041                                                             | 0,00033                                                           |
| 8      | 97.648                                                         | 98.134                                                       | 44                                                                     | 24                                                                   | 0,99955                                                    | 0,99976                                                  | 0,00045                                                             | 0,00024                                                           |
| 9      | 97.604                                                         | 98.110                                                       | 37                                                                     | 18                                                                   | 0,99962                                                    | 0,99982                                                  | 0,00038                                                             | 0,00018                                                           |
| 10     | 97.567                                                         | 98.092                                                       | 37                                                                     | 23                                                                   | 0,99962                                                    | 0,99977                                                  | 0,00038                                                             | 0,00023                                                           |
| 11     | 97.530                                                         | 98.069                                                       | 38                                                                     | 22                                                                   | 0,99961                                                    | 0,99978                                                  | 0,00039                                                             | 0,00022                                                           |
| 12     | 97.492                                                         | 98.047                                                       | 40                                                                     | 36                                                                   | 0,99959                                                    | 0,99963                                                  | 0,00041                                                             | 0,00037                                                           |
| 13     | 97.452                                                         | 98.011                                                       | 59                                                                     | 38                                                                   | 0,99939                                                    | 0,99961                                                  | 0,00061                                                             | 0,00039                                                           |
| 14     | 97.393                                                         | 97.973                                                       | 69                                                                     | 44                                                                   | 0,99929                                                    | 0,99955                                                  | 0,00071                                                             | 0,00045                                                           |
| 15     | 97.324                                                         | 97.929                                                       | 65                                                                     | 39                                                                   | 0,99933                                                    | 0,9996                                                   | 0,00067                                                             | 0,0004                                                            |
| 16     | 97.259                                                         | 97.890                                                       | 61                                                                     | 32                                                                   | 0,99937                                                    | 0,99967                                                  | 0,00063                                                             | 0,00033                                                           |
| 17     | 97.198                                                         | 97.858                                                       | 63                                                                     | 34                                                                   | 0,99935                                                    | 0,99965                                                  | 0,00065                                                             | 0,00035                                                           |
| 18     | 97.135                                                         | 97.824                                                       | 71                                                                     | 32                                                                   | 0,99927                                                    | 0,99967                                                  | 0,00073                                                             | 0,00033                                                           |
| 19     | 97.064                                                         | 97.792                                                       | 74                                                                     | 39                                                                   | 0,99924                                                    | 0,9996                                                   | 0,00076                                                             | 0,0004                                                            |
| 20     | 96.990                                                         | 97.753                                                       | 98                                                                     | 40                                                                   | 0,99899                                                    | 0,99959                                                  | 0,00101                                                             | 0,00041                                                           |
| 21     | 96.892                                                         | 97.713                                                       | 93                                                                     | 38                                                                   | 0,99904                                                    | 0,99961                                                  | 0,00096                                                             | 0,00039                                                           |
| 22     | 96.799                                                         | 97.675                                                       | 99                                                                     | 39                                                                   | 0,99898                                                    | 0,9996                                                   | 0,00102                                                             | 0,0004                                                            |
| 23     | 96.700                                                         | 97.636                                                       | 96                                                                     | 40                                                                   | 0,99901                                                    | 0,99959                                                  | 0,00099                                                             | 0,00041                                                           |
| 24     | 96.604                                                         | 97.596                                                       | 110                                                                    | 38                                                                   | 0,99886                                                    | 0,99961                                                  | 0,00114                                                             | 0,00039                                                           |
| 25     | 96.494                                                         | 97.558                                                       | 112                                                                    | 44                                                                   | 0,99884                                                    | 0,99955                                                  | 0,00116                                                             | 0,00045                                                           |
| 26     | 96.382                                                         | 97.514                                                       | 119                                                                    | 45                                                                   | 0,99877                                                    | 0,99954                                                  | 0,00123                                                             | 0,00046                                                           |
| 27     | 96.263                                                         | 97.469                                                       | 114                                                                    | 42                                                                   | 0,99882                                                    | 0,99957                                                  | 0,00118                                                             | 0,00043                                                           |
| 28     | 96.149                                                         | 97.427                                                       | 115                                                                    | 53                                                                   | 0,9988                                                     | 0,99946                                                  | 0,0012                                                              | 0,00054                                                           |
| 29     | 96.034                                                         | 97.374                                                       | 142                                                                    | 50                                                                   | 0,99852                                                    | 0,99949                                                  | 0,00148                                                             | 0,00051                                                           |
| 30     | 95.892                                                         | 97.324                                                       | 150                                                                    | 62                                                                   | 0,99844                                                    | 0,99936                                                  | 0,00156                                                             | 0,00064                                                           |
| 31     | 95.742                                                         | 97.262                                                       | 166                                                                    | 60                                                                   | 0,99827                                                    | 0,99938                                                  | 0,00173                                                             | 0,00062                                                           |
| 32     | 95.576                                                         | 97.202                                                       | 186                                                                    | 63                                                                   | 0,99805                                                    | 0,99935                                                  | 0,00195                                                             | 0,00065                                                           |
| 33     | 95.390                                                         | 97.139                                                       | 200                                                                    | 79                                                                   | 0,9979                                                     | 0,99919                                                  | 0,0021                                                              | 0,00081                                                           |
| 34     | 95.190                                                         | 97.060                                                       | 214                                                                    | 84                                                                   | 0,99775                                                    | 0,99913                                                  | 0,00225                                                             | 0,00087                                                           |
| 35     | 94.976                                                         | 96.976                                                       | 244                                                                    | 93                                                                   | 0,99743                                                    | 0,99904                                                  | 0,00257                                                             | 0,00096                                                           |
| 36     | 94.732                                                         | 96.883                                                       | 258                                                                    | 106                                                                  | 0,99728                                                    | 0,99891                                                  | 0,00272                                                             | 0,00109                                                           |
| 37     | 94.474                                                         | 96.777                                                       | 295                                                                    | 116                                                                  | 0,99688                                                    | 0,9988                                                   | 0,00312                                                             | 0,0012                                                            |
| 38     | 94.179                                                         | 96.661                                                       | 319                                                                    | 140                                                                  | 0,99661                                                    | 0,99855                                                  | 0,00339                                                             | 0,00145                                                           |

|    |        |        |       |     |         |         |         |         |
|----|--------|--------|-------|-----|---------|---------|---------|---------|
| 39 | 93.860 | 96.521 | 371   | 156 | 0,99605 | 0,99838 | 0,00395 | 0,00162 |
| 40 | 93.489 | 96.365 | 433   | 169 | 0,99537 | 0,99825 | 0,00463 | 0,00175 |
| 41 | 93.056 | 96.196 | 448   | 178 | 0,99519 | 0,99815 | 0,00481 | 0,00185 |
| 42 | 92.608 | 96.018 | 530   | 208 | 0,99428 | 0,99783 | 0,00572 | 0,00217 |
| 43 | 92.078 | 95.810 | 602   | 225 | 0,99346 | 0,99765 | 0,00654 | 0,00235 |
| 44 | 91.476 | 95.585 | 625   | 257 | 0,99317 | 0,99731 | 0,00683 | 0,00269 |
| 45 | 90.851 | 95.328 | 688   | 283 | 0,99243 | 0,99703 | 0,00757 | 0,00297 |
| 46 | 90.163 | 95.045 | 790   | 293 | 0,99124 | 0,99692 | 0,00876 | 0,00308 |
| 47 | 89.373 | 94.752 | 822   | 347 | 0,9908  | 0,99634 | 0,0092  | 0,00366 |
| 48 | 88.551 | 94.405 | 877   | 371 | 0,9901  | 0,99607 | 0,0099  | 0,00393 |
| 49 | 87.674 | 94.034 | 955   | 399 | 0,98911 | 0,99576 | 0,01089 | 0,00424 |
| 50 | 86.719 | 93.635 | 996   | 419 | 0,98851 | 0,99553 | 0,01149 | 0,00447 |
| 51 | 85.723 | 93.216 | 1.056 | 466 | 0,98768 | 0,995   | 0,01232 | 0,005   |
| 52 | 84.667 | 92.750 | 1.085 | 487 | 0,98719 | 0,99475 | 0,01281 | 0,00525 |
| 53 | 83.582 | 92.263 | 1.198 | 552 | 0,98567 | 0,99402 | 0,01433 | 0,00598 |
| 54 | 82.384 | 91.711 | 1.235 | 568 | 0,98501 | 0,99381 | 0,01499 | 0,00619 |
| 55 | 81.149 | 91.143 | 1.322 | 642 | 0,98371 | 0,99296 | 0,01629 | 0,00704 |
| 56 | 79.827 | 90.501 | 1.366 | 654 | 0,98289 | 0,99277 | 0,01711 | 0,00723 |
| 57 | 78.461 | 89.847 | 1.444 | 700 | 0,9816  | 0,99221 | 0,0184  | 0,00779 |
| 58 | 77.017 | 89.147 | 1.525 | 764 | 0,9802  | 0,99143 | 0,0198  | 0,00857 |

**Tabela de mortalitate a populatiei Romaniei pentru barbati**
**Perioada 2000-2002**

| Varsta | Numarul supravietuitorilor de virsta x ani | Numarul persoanelor decedatilor intre x si x+1 ani | Probalitatea de moarte intre x si x+1 ani | Probabilitatea de supravietuire intre x si x+1 ani | Supravietuitori intre x si x+1 ani | Speranta de viata la virsta de x ani |
|--------|--------------------------------------------|----------------------------------------------------|-------------------------------------------|----------------------------------------------------|------------------------------------|--------------------------------------|
| ani    | $l(x)$                                     | $d(x)$                                             | $q(x)$                                    | $p(x)$                                             | $l_m(x)$                           | $E(x)$                               |
| 0      | 100.000                                    | 2.024                                              | 0,02024                                   | 0,97976                                            | 98.988,00                          | 67,61                                |
| 1      | 97.976                                     | 157                                                | 0,00160                                   | 0,99840                                            | 97.897,50                          | 68,00                                |
| 2      | 97.819                                     | 97                                                 | 0,00099                                   | 0,99901                                            | 97.770,50                          | 67,10                                |
| 3      | 97.722                                     | 69                                                 | 0,00071                                   | 0,99929                                            | 97.687,50                          | 66,17                                |
| 4      | 97.653                                     | 49                                                 | 0,00050                                   | 0,99950                                            | 97.628,50                          | 65,22                                |
| 5      | 97.604                                     | 47                                                 | 0,00048                                   | 0,99952                                            | 97.580,50                          | 64,25                                |
| 6      | 97.557                                     | 49                                                 | 0,00050                                   | 0,99950                                            | 97.532,50                          | 63,28                                |
| 7      | 97.508                                     | 49                                                 | 0,00050                                   | 0,99950                                            | 97.483,50                          | 62,31                                |
| 8      | 97.459                                     | 41                                                 | 0,00042                                   | 0,99958                                            | 97.438,50                          | 61,34                                |
| 9      | 97.418                                     | 40                                                 | 0,00041                                   | 0,99959                                            | 97.398,00                          | 60,37                                |
| 10     | 97.378                                     | 54                                                 | 0,00055                                   | 0,99945                                            | 97.351,00                          | 59,39                                |
| 11     | 97.324                                     | 71                                                 | 0,00073                                   | 0,99927                                            | 97.288,50                          | 58,43                                |
| 12     | 97.253                                     | 87                                                 | 0,00089                                   | 0,99911                                            | 97.209,50                          | 57,47                                |
| 13     | 97.166                                     | 72                                                 | 0,00074                                   | 0,99926                                            | 97.130,00                          | 56,52                                |
| 14     | 97.094                                     | 53                                                 | 0,00055                                   | 0,99945                                            | 97.067,50                          | 55,56                                |
| 15     | 97.041                                     | 61                                                 | 0,00063                                   | 0,99937                                            | 97.010,50                          | 54,59                                |
| 16     | 96.980                                     | 62                                                 | 0,00064                                   | 0,99936                                            | 96.949,00                          | 53,62                                |
| 17     | 96.918                                     | 73                                                 | 0,00075                                   | 0,99925                                            | 96.881,50                          | 52,66                                |
| 18     | 96.845                                     | 79                                                 | 0,00082                                   | 0,99918                                            | 96.805,50                          | 51,70                                |
| 19     | 96.766                                     | 93                                                 | 0,00096                                   | 0,99904                                            | 96.719,50                          | 50,74                                |
| 20     | 96.673                                     | 86                                                 | 0,00089                                   | 0,99911                                            | 96.630,00                          | 49,79                                |
| 21     | 96.587                                     | 98                                                 | 0,00101                                   | 0,99899                                            | 96.538,00                          | 48,83                                |
| 22     | 96.489                                     | 100                                                | 0,00104                                   | 0,99896                                            | 96.439,00                          | 47,88                                |
| 23     | 96.389                                     | 95                                                 | 0,00099                                   | 0,99901                                            | 96.341,50                          | 46,93                                |
| 24     | 96.294                                     | 106                                                | 0,00110                                   | 0,99890                                            | 96.241,00                          | 45,98                                |
| 25     | 96.188                                     | 106                                                | 0,00110                                   | 0,99890                                            | 96.135,00                          | 45,03                                |
| 26     | 96.082                                     | 107                                                | 0,00111                                   | 0,99889                                            | 96.028,50                          | 44,08                                |
| 27     | 95.975                                     | 121                                                | 0,00126                                   | 0,99874                                            | 95.914,50                          | 43,12                                |
| 28     | 95.854                                     | 124                                                | 0,00129                                   | 0,99871                                            | 95.792,00                          | 42,18                                |
| 29     | 95.730                                     | 160                                                | 0,00167                                   | 0,99833                                            | 95.650,00                          | 41,23                                |
| 30     | 95.570                                     | 153                                                | 0,00160                                   | 0,99840                                            | 95.493,50                          | 40,30                                |
| 31     | 95.417                                     | 174                                                | 0,00182                                   | 0,99818                                            | 95.330,00                          | 39,36                                |
| 32     | 95.243                                     | 188                                                | 0,00197                                   | 0,99803                                            | 95.149,00                          | 38,43                                |
| 33     | 95.055                                     | 201                                                | 0,00211                                   | 0,99789                                            | 94.954,50                          | 37,51                                |
| 34     | 94.854                                     | 218                                                | 0,00230                                   | 0,99770                                            | 94.745,00                          | 36,59                                |
| 35     | 94.636                                     | 259                                                | 0,00274                                   | 0,99726                                            | 94.506,50                          | 35,67                                |
| 36     | 94.377                                     | 276                                                | 0,00292                                   | 0,99708                                            | 94.239,00                          | 34,77                                |
| 37     | 94.101                                     | 302                                                | 0,00321                                   | 0,99679                                            | 93.950,00                          | 33,87                                |
| 38     | 93.799                                     | 366                                                | 0,00390                                   | 0,99610                                            | 93.616,00                          | 32,98                                |

|    |        |     |         |         |           |       |
|----|--------|-----|---------|---------|-----------|-------|
| 39 | 93.433 | 391 | 0,00418 | 0,99582 | 93.237,50 | 32,10 |
| 40 | 93.042 | 424 | 0,00456 | 0,99544 | 92.830,00 | 31,24 |
| 41 | 92.618 | 470 | 0,00507 | 0,99493 | 92.383,00 | 30,38 |
| 42 | 92.148 | 525 | 0,00570 | 0,99430 | 91.885,50 | 29,53 |