

Central Statistical Office: Studies in mortality differentials 2. – Area life tables of the population of Hungary (complete life tables) 1970-1973, 1. Budapest, 1984, p. 334-337.

STUDIES IN MORTALITY DIFFERENTIALS

2.

AREA LIFE TABLES OF THE POPULATION OF HUNGARY

(complete life tables)

1970-1973

I.



CENTRAL STATISTICAL OFFICE, BUDAPEST, 1984

LIFE TABLE, HAJDU-BIHAR COUNTY, 1973

MALE

| Age | Population as of Jan. 1, 1973 | Number of deaths in 1973 between age x and x+1 | Probability of dying between age of x and x+1 | Survivors at exact age x | Deaths between age x and age x+1 | Years lived between age x and age x+1 | Expectation of life at age x |
|-------------|-------------------------------|--|---|--------------------------|----------------------------------|---------------------------------------|------------------------------|
| X | P _x | D _x | q _x | l _x | d _x | L _x | e _x |
| LIVE BIRTHS | 4830 | | | | | | |
| 0 | 4616 | 226 | 0.04680 | 100000 | 4680 | 96490.0 | 67.09 |
| 1 | 4351 | 7 | 0.00155 | 95320 | 148 | 95246.0 | 69.33 |
| 2 | 4292 | 5 | 0.00115 | 95172 | 109 | 95117.5 | 68.44 |
| 3 | 4482 | 2 | 0.00046 | 95063 | 44 | 95041.0 | 67.52 |
| 4 | 4466 | 4 | 0.00082 | 95019 | 78 | 94980.0 | 66.55 |
| 5 | 4324 | 1 | 0.00046 | 94941 | 44 | 94919.0 | 65.60 |
| 6 | 3972 | 2 | 0.00034 | 94897 | 32 | 94881.0 | 64.63 |
| 7 | 3854 | 2 | 0.00035 | 94865 | 33 | 94848.5 | 63.65 |
| 8 | 4029 | 1 | 0.00039 | 94832 | 37 | 94813.5 | 62.67 |
| 9 | 3998 | 1 | 0.00041 | 94795 | 39 | 94775.5 | 61.70 |
| 10 | 3847 | 2 | 0.00039 | 94756 | 37 | 94737.5 | 60.72 |
| 11 | 4265 | 1 | 0.00032 | 94719 | 30 | 94704.0 | 59.75 |
| 12 | 4383 | 2 | 0.00024 | 94689 | 23 | 94677.5 | 58.76 |
| 13 | 4507 | 3 | 0.00022 | 94666 | 21 | 94655.5 | 57.78 |
| 14 | 4623 | 2 | 0.00037 | 94645 | 35 | 94627.5 | 56.79 |
| 15 | 4724 | 4 | 0.00051 | 94610 | 48 | 94586.0 | 55.81 |
| 16 | 5204 | 3 | 0.00067 | 94562 | 63 | 94530.5 | 54.84 |
| 17 | 5307 | 4 | 0.00088 | 94499 | 83 | 94457.5 | 53.88 |
| 18 | 5026 | 6 | 0.00111 | 94416 | 105 | 94363.5 | 52.92 |
| 19 | 4423 | 4 | 0.00131 | 94311 | 124 | 94249.0 | 51.98 |
| 20 | 4340 | 7 | 0.00143 | 94187 | 135 | 94119.5 | 51.05 |
| 21 | 4540 | 8 | 0.00144 | 94052 | 135 | 93984.5 | 50.12 |
| 22 | 4715 | 7 | 0.00137 | 93917 | 129 | 93852.5 | 49.19 |
| 23 | 4518 | 3 | 0.00127 | 93788 | 119 | 93728.5 | 48.26 |
| 24 | 4363 | 6 | 0.00120 | 93669 | 112 | 93613.0 | 47.32 |
| 25 | 4018 | 7 | 0.00120 | 93557 | 112 | 93501.0 | 46.37 |
| 26 | 3584 | 6 | 0.00131 | 93445 | 122 | 93384.0 | 45.43 |
| 27 | 3194 | 3 | 0.00147 | 93323 | 137 | 93254.5 | 44.48 |
| 28 | 3766 | 5 | 0.00167 | 93186 | 156 | 93108.0 | 43.55 |
| 29 | 3551 | 6 | 0.00186 | 93030 | 173 | 92943.5 | 42.62 |
| 30 | 3425 | 8 | 0.00199 | 92857 | 185 | 92764.5 | 41.70 |
| 31 | 3303 | 9 | 0.00204 | 92672 | 189 | 92577.5 | 40.78 |
| 32 | 3441 | 6 | 0.00203 | 92483 | 188 | 92389.0 | 39.86 |
| 33 | 3212 | 8 | 0.00202 | 92295 | 186 | 92202.0 | 38.94 |
| 34 | 3316 | 10 | 0.00205 | 92109 | 189 | 92014.5 | 38.01 |
| 35 | 3231 | 7 | 0.00217 | 91920 | 199 | 91820.5 | 37.09 |
| 36 | 2983 | 7 | 0.00243 | 91721 | 223 | 91609.5 | 36.17 |
| 37 | 3167 | 4 | 0.00278 | 91498 | 254 | 91371.0 | 35.26 |
| 38 | 3137 | 5 | 0.00318 | 91244 | 290 | 91099.0 | 34.35 |
| 39 | 3295 | 11 | 0.00356 | 90954 | 324 | 90792.0 | 33.46 |
| 40 | 3271 | 17 | 0.00388 | 90630 | 352 | 90454.0 | 32.57 |
| 41 | 3237 | 13 | 0.00408 | 90278 | 368 | 90094.0 | 31.70 |
| 42 | 3402 | 17 | 0.00422 | 89910 | 379 | 89720.5 | 30.82 |
| 43 | 3266 | 9 | 0.00434 | 89531 | 389 | 89336.5 | 29.95 |
| 44 | 3180 | 12 | 0.00451 | 89142 | 402 | 88941.0 | 29.07 |
| 45 | 3197 | 27 | 0.00478 | 88740 | 424 | 88528.0 | 28.20 |
| 46 | 3340 | 14 | 0.00511 | 88316 | 451 | 88090.5 | 27.33 |
| 47 | 3378 | 17 | 0.00546 | 87865 | 480 | 87625.0 | 26.47 |
| 48 | 3185 | 24 | 0.00589 | 87385 | 515 | 87127.5 | 25.61 |
| 49 | 3275 | 26 | 0.00648 | 86870 | 563 | 86588.5 | 24.75 |

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LIFE TABLE, HAJDU-BIHAR COUNTY, 1973 /continuation/

MALE

| Age | Population as of Jan. 1. 1973 | Number of deaths in 1973 between age x and x+1 | Probability of dying between age of x and x+1 | Survivors at exact age x | Deaths between age x and age x+1 | Years lived between age x and age x+1 | Expectation of life at age x |
|--------|-------------------------------------|--|---|--------------------------------|--|---|------------------------------------|
| X | P x | D x | q x | l x | d x | L x | o e x |
| 50 | 3127 | 13 | 0.00729 | 86307 | 629 | 85992.5 | 23.91 |
| 51 | 3085 | 29 | 0.00842 | 85678 | 721 | 85317.5 | 23.08 |
| 52 | 2813 | 25 | 0.00981 | 84957 | 833 | 84540.5 | 22.26 |
| 53 | 2541 | 29 | 0.01134 | 84124 | 954 | 83647.0 | 21.47 |
| 54 | 1329 | 19 | 0.01285 | 83170 | 1069 | 82635.5 | 20.71 |
| 55 | 1335 | 17 | 0.01421 | 82101 | 1167 | 81517.5 | 19.97 |
| 56 | 1356 | 26 | 0.01528 | 80934 | 1237 | 80315.5 | 19.24 |
| 57 | 1683 | 28 | 0.01617 | 79697 | 1289 | 79052.5 | 18.52 |
| 58 | 2587 | 32 | 0.01706 | 78408 | 1338 | 77739.0 | 17.81 |
| 59 | 2635 | 53 | 0.01813 | 77070 | 1397 | 76371.5 | 17.10 |
| 60 | 2868 | 52 | 0.01957 | 75673 | 1481 | 74932.5 | 16.40 |
| 61 | 2701 | 64 | 0.02141 | 74192 | 1588 | 73398.0 | 15.71 |
| 62 | 2690 | 59 | 0.02352 | 72604 | 1708 | 71750.0 | 15.03 |
| 63 | 2615 | 58 | 0.02586 | 70896 | 1833 | 69979.5 | 14.37 |
| 64 | 2596 | 80 | 0.02838 | 69063 | 1960 | 68083.0 | 13.72 |
| 65 | 2390 | 86 | 0.03102 | 67103 | 2082 | 66062.0 | 13.09 |
| 66 | 2156 | 76 | 0.03348 | 65021 | 2177 | 63932.5 | 12.48 |
| 67 | 1956 | 74 | 0.03579 | 62844 | 2249 | 61719.5 | 11.88 |
| 68 | 1908 | 87 | 0.03841 | 60595 | 2327 | 59431.5 | 11.28 |
| 69 | 1932 | 82 | 0.04181 | 58268 | 2436 | 57050.0 | 10.69 |
| 70 | 1886 | 91 | 0.04645 | 55832 | 2593 | 54535.5 | 10.11 |
| 71 | 1706 | 82 | 0.05281 | 53239 | 2812 | 51833.0 | 9.56 |
| 72 | 1565 | 91 | 0.06056 | 50427 | 3054 | 48900.0 | 9.04 |
| 73 | 1483 | 99 | 0.06901 | 47373 | 3269 | 45738.5 | 8.55 |
| 74 | 1337 | 114 | 0.07748 | 44104 | 3417 | 42395.5 | 8.11 |
| 75 | 1164 | 105 | 0.08525 | 40687 | 3469 | 38952.5 | 7.71 |
| 76 | 943 | 99 | 0.07688 | 37218 | 2861 | 35787.5 | 7.34 |
| 77 | 892 | 90 | 0.08722 | 34357 | 2997 | 32858.5 | 6.86 |
| 78 | 713 | 62 | 0.09820 | 31360 | 3080 | 29820.0 | 6.42 |
| 79 | 656 | 79 | 0.10986 | 28280 | 3107 | 26726.5 | 6.02 |
| 80 | 543 | 62 | 0.12224 | 25173 | 3077 | 23634.5 | 5.63 |
| 81 | 473 | 75 | 0.13536 | 22096 | 2991 | 20600.5 | 5.28 |
| 82 | 414 | 69 | 0.14925 | 19105 | 2851 | 17679.5 | 4.95 |
| 83 | 349 | 54 | 0.16395 | 16254 | 2665 | 14921.5 | 4.64 |
| 84 | 306 | 64 | 0.17947 | 13589 | 2439 | 12369.5 | 4.36 |
| 85 | | | 0.19584 | 11150 | 2184 | 10058.0 | 4.09 |
| 86 | | | 0.21309 | 8966 | 1911 | 8010.5 | 3.84 |
| 87 | | | 0.23123 | 7055 | 1631 | 6239.5 | 3.61 |
| 88 | | | 0.25027 | 5424 | 1357 | 4745.5 | 3.40 |
| 89 | | | 0.27022 | 4067 | 1099 | 3517.5 | 3.20 |
| 90 | | | 0.29109 | 2968 | 864 | 2536.0 | 3.01 |
| 91 | | | 0.31287 | 2104 | 658 | 1775.0 | 2.84 |
| 92 | | | 0.33555 | 1446 | 485 | 1203.5 | 2.68 |
| 93 | | | 0.35911 | 961 | 345 | 788.5 | 2.53 |
| 94 | | | 0.38352 | 616 | 236 | 498.0 | 2.38 |
| 95 | 990 | 229 | 0.40874 | 380 | 155 | 302.5 | 2.24 |
| 96 | | | 0.43471 | 225 | 98 | 176.0 | 2.10 |
| 97 | | | 0.46137 | 127 | 59 | 97.5 | 1.94 |
| 98 | | | 0.48864 | 68 | 33 | 51.5 | 1.76 |
| 99 | | | 0.51644 | 35 | 18 | 26.0 | 1.49 |
| 100 | | | 0.54465 | 17 | 9 | 12.5 | 1.00 |
| TOTAL: | 256246 | 3042 | | | | | |

LIFE TABLE, HAJDU-BIHAR COUNTY, 1973

FEMALE

| Age | Population as of Jan. 1, 1973 | Number of deaths in 1973 between age x and x+1 | Probability of dying between age of x and x+1 | Survivors at exact age x | Deaths between age x and age x+1 | Years lived between age x and age x+1 | Expectation of life at age x |
|-------------|-------------------------------|--|---|--------------------------|----------------------------------|---------------------------------------|------------------------------|
| X | P _x | D _x | q _x | l _x | d _x | L _x | e _x |
| LIVE BIRTHS | 4447 | | | | | | |
| 0 | 4224 | 128 | 0.02886 | 100000 | 2886 | 97835.5 | 73.59 |
| 1 | 4048 | 3 | 0.00072 | 97114 | 70 | 97079.0 | 74.75 |
| 2 | 4033 | 5 | 0.00124 | 97044 | 120 | 96984.0 | 73.80 |
| 3 | 4253 | 3 | 0.00072 | 96924 | 70 | 96889.0 | 72.89 |
| 4 | 4289 | 3 | 0.00074 | 96854 | 72 | 96818.0 | 71.94 |
| 5 | 4144 | 3 | 0.00071 | 96782 | 69 | 96747.5 | 70.99 |
| 6 | 3740 | 3 | 0.00057 | 96713 | 55 | 96685.5 | 70.04 |
| 7 | 3665 | 1 | 0.00041 | 96658 | 40 | 96638.0 | 69.08 |
| 8 | 3572 | 1 | 0.00028 | 96618 | 27 | 96604.5 | 68.11 |
| 9 | 3762 | | 0.00020 | 96591 | 19 | 96581.5 | 67.13 |
| 10 | 3592 | 2 | 0.00020 | 96572 | 19 | 96562.5 | 66.14 |
| 11 | 3972 | | 0.00026 | 96553 | 25 | 96540.5 | 65.16 |
| 12 | 4001 | 3 | 0.00035 | 96528 | 34 | 96511.0 | 64.17 |
| 13 | 4247 | | 0.00039 | 96494 | 38 | 96475.0 | 63.19 |
| 14 | 4558 | 2 | 0.00031 | 96456 | 30 | 96441.0 | 62.22 |
| 15 | 4650 | 2 | 0.00037 | 96426 | 36 | 96408.0 | 61.24 |
| 16 | 5189 | 3 | 0.00039 | 96390 | 38 | 96371.0 | 60.26 |
| 17 | 5298 | 2 | 0.00040 | 96352 | 39 | 96332.5 | 59.28 |
| 18 | 5518 | 2 | 0.00041 | 96313 | 39 | 96293.5 | 58.31 |
| 19 | 4785 | 2 | 0.00042 | 96274 | 40 | 96254.0 | 57.33 |
| 20 | 4490 | 1 | 0.00042 | 96234 | 40 | 96214.0 | 56.35 |
| 21 | 4616 | 2 | 0.00042 | 96194 | 40 | 96174.0 | 55.38 |
| 22 | 4824 | 3 | 0.00040 | 96154 | 38 | 96135.0 | 54.40 |
| 23 | 4317 | 2 | 0.00038 | 96116 | 37 | 96097.5 | 53.42 |
| 24 | 4267 | 2 | 0.00037 | 96079 | 36 | 96061.0 | 52.44 |
| 25 | 4007 | 2 | 0.00038 | 96043 | 36 | 96025.0 | 51.46 |
| 26 | 3516 | 1 | 0.00040 | 96007 | 38 | 95988.0 | 50.48 |
| 27 | 3285 | 1 | 0.00043 | 95969 | 41 | 95948.5 | 49.50 |
| 28 | 3836 | 3 | 0.00047 | 95928 | 45 | 95905.5 | 48.52 |
| 29 | 3684 | 1 | 0.00052 | 95883 | 50 | 95858.0 | 47.54 |
| 30 | 3568 | 3 | 0.00060 | 95833 | 57 | 95804.5 | 46.57 |
| 31 | 3463 | 3 | 0.00070 | 95776 | 67 | 95742.5 | 45.59 |
| 32 | 3617 | 1 | 0.00083 | 95709 | 79 | 95669.5 | 44.62 |
| 33 | 3526 | 4 | 0.00097 | 95630 | 93 | 95583.5 | 43.66 |
| 34 | 3430 | 6 | 0.00111 | 95537 | 106 | 95484.0 | 42.70 |
| 35 | 3661 | 5 | 0.00124 | 95431 | 118 | 95372.0 | 41.75 |
| 36 | 3482 | 5 | 0.00136 | 95313 | 130 | 95248.0 | 40.80 |
| 37 | 3476 | 2 | 0.00147 | 95183 | 140 | 95113.0 | 39.85 |
| 38 | 3464 | 6 | 0.00158 | 95043 | 150 | 94968.0 | 38.91 |
| 39 | 3496 | 6 | 0.00171 | 94893 | 162 | 94812.0 | 37.97 |
| 40 | 3663 | 5 | 0.00188 | 94731 | 178 | 94642.0 | 37.03 |
| 41 | 3521 | 9 | 0.00208 | 94553 | 197 | 94454.5 | 36.10 |
| 42 | 3841 | 8 | 0.00231 | 94356 | 218 | 94247.0 | 35.18 |
| 43 | 3561 | 9 | 0.00257 | 94138 | 242 | 94017.0 | 34.25 |
| 44 | 3684 | 11 | 0.00284 | 93896 | 267 | 93762.5 | 33.34 |
| 45 | 3563 | 14 | 0.00313 | 93629 | 293 | 93482.5 | 32.43 |
| 46 | 3633 | 14 | 0.00345 | 93336 | 322 | 93175.0 | 31.53 |
| 47 | 3680 | 9 | 0.00380 | 93014 | 353 | 92837.5 | 30.64 |
| 48 | 3288 | 19 | 0.00416 | 92661 | 385 | 92468.5 | 29.75 |
| 49 | 3785 | 9 | 0.00451 | 92276 | 416 | 92068.0 | 28.87 |

LIFE TABLE, HAJDU-BIHAR COUNTY, 1973 /continuation/

FEMALE

| Age | Population as of Jan. 1.1973 | Number of deaths in 1973 between age x and x+1 | Probability of dying between age of x and x+1 | Survivors at exact age x | Deaths between age x and age x+1 | Years lived between age x and age x+1 | Expectation of life at age x |
|--------|------------------------------|--|---|--------------------------|----------------------------------|---------------------------------------|------------------------------|
| x | P _x | D _x | q _x | l _x | d _x | L _x | e _x |
| 50 | 3864 | 22 | 0.00482 | 91860 | 443 | 91638.5 | 28.00 |
| 51 | 3580 | 16 | 0.00507 | 91417 | 463 | 91185.5 | 27.13 |
| 52 | 3482 | 21 | 0.00525 | 90954 | 478 | 90715.0 | 26.26 |
| 53 | 2947 | 14 | 0.00544 | 90476 | 492 | 90230.0 | 25.39 |
| 54 | 1534 | 12 | 0.00568 | 89984 | 511 | 89728.5 | 24.53 |
| 55 | 1608 | 7 | 0.00604 | 89473 | 540 | 89203.0 | 23.66 |
| 56 | 1586 | 18 | 0.00645 | 88933 | 574 | 88646.0 | 22.80 |
| 57 | 2182 | 10 | 0.00687 | 88359 | 607 | 88055.5 | 21.94 |
| 58 | 3383 | 23 | 0.00739 | 87752 | 648 | 87428.0 | 21.08 |
| 59 | 3244 | 23 | 0.00813 | 87104 | 708 | 86750.0 | 20.23 |
| 60 | 3420 | 41 | 0.00918 | 86396 | 793 | 85999.5 | 19.39 |
| 61 | 3177 | 36 | 0.01063 | 85603 | 910 | 85148.0 | 18.56 |
| 62 | 3308 | 30 | 0.01242 | 84693 | 1052 | 84167.0 | 17.75 |
| 63 | 3203 | 41 | 0.01441 | 83641 | 1205 | 83038.5 | 16.96 |
| 64 | 3177 | 61 | 0.01646 | 82436 | 1357 | 81757.5 | 16.19 |
| 65 | 2899 | 52 | 0.01845 | 81079 | 1496 | 80331.0 | 15.45 |
| 66 | 2610 | 63 | 0.02002 | 79583 | 1593 | 78786.5 | 14.72 |
| 67 | 2330 | 51 | 0.02127 | 77990 | 1659 | 77160.5 | 14.00 |
| 68 | 2280 | 47 | 0.02271 | 76331 | 1733 | 75464.5 | 13.28 |
| 69 | 2310 | 70 | 0.02487 | 74598 | 1855 | 73670.5 | 12.57 |
| 70 | 2280 | 60 | 0.02826 | 72743 | 2056 | 71715.0 | 11.86 |
| 71 | 2056 | 86 | 0.03311 | 70687 | 2340 | 69517.0 | 11.18 |
| 72 | 2115 | 60 | 0.03909 | 68347 | 2672 | 67011.0 | 10.53 |
| 73 | 1815 | 107 | 0.04584 | 65675 | 3011 | 64169.5 | 9.92 |
| 74 | 1654 | 91 | 0.05300 | 62664 | 3321 | 61003.5 | 9.34 |
| 75 | 1583 | 113 | 0.06022 | 59343 | 3574 | 57556.0 | 8.81 |
| 76 | 1429 | 92 | 0.06537 | 55769 | 3144 | 54197.0 | 8.31 |
| 77 | 1459 | 94 | 0.06568 | 52625 | 3456 | 50897.0 | 7.75 |
| 78 | 1197 | 104 | 0.07573 | 49169 | 3724 | 47307.0 | 7.22 |
| 79 | 988 | 97 | 0.08656 | 45445 | 3934 | 43478.0 | 6.73 |
| 80 | 930 | 84 | 0.09821 | 41511 | 4077 | 39472.5 | 6.28 |
| 81 | 787 | 96 | 0.11073 | 37434 | 4145 | 35361.5 | 5.85 |
| 82 | 661 | 97 | 0.12419 | 33289 | 4134 | 31222.0 | 5.46 |
| 83 | 549 | 87 | 0.13861 | 29155 | 4041 | 27134.5 | 5.09 |
| 84 | 582 | 81 | 0.15407 | 25114 | 3869 | 23179.5 | 4.74 |
| 85 | | | 0.17059 | 21245 | 3624 | 19433.0 | 4.43 |
| 86 | | | 0.18822 | 17621 | 3317 | 15962.5 | 4.13 |
| 87 | | | 0.20701 | 14304 | 2961 | 12823.5 | 3.86 |
| 88 | | | 0.22700 | 11343 | 2575 | 10055.5 | 3.60 |
| 89 | | | 0.24820 | 8768 | 2176 | 7680.0 | 3.37 |
| 90 | | | 0.27064 | 6592 | 1784 | 5700.0 | 3.15 |
| 91 | | | 0.29433 | 4808 | 1415 | 4100.5 | 2.95 |
| 92 | | | 0.31927 | 3393 | 1083 | 2851.5 | 2.76 |
| 93 | | | 0.34544 | 2310 | 798 | 1911.0 | 2.58 |
| 94 | | | 0.37282 | 1512 | 564 | 1230.0 | 2.42 |
| 95 | 1627 | 349 | 0.40135 | 948 | 380 | 758.0 | 2.26 |
| 96 | | | 0.43097 | 568 | 245 | 445.5 | 2.10 |
| 97 | | | 0.46157 | 323 | 149 | 248.5 | 1.94 |
| 98 | | | 0.49305 | 174 | 86 | 131.0 | 1.75 |
| 99 | | | 0.52526 | 88 | 46 | 65.0 | 1.48 |
| 100 | | | 0.55803 | 42 | 23 | 30.5 | 1.00 |
| TOTAL: | 275620 | 2690 | | | | | |