

Demographic and Human Development Indicators

UK (Males 1925-2010)



Human Development Stages

Age Groups estimated with the Health State Methodology (Years)

| | | | | | | | | | | | | | |
|------|---|---|-----|---|------|------|------|---|------|------|------|------|------|
| 1925 | 0 | E | 9.2 | P | 12.8 | 15.1 | 18.1 | L | 20.6 | 23.6 | 27.3 | 33.3 | 75.8 |
| 1930 | 0 | A | 9.2 | R | 12.8 | 15.0 | 17.9 | A | 20.4 | 23.2 | 26.9 | 33.5 | 75.8 |
| 1940 | 0 | I | 9.8 | N | 13.7 | 15.9 | 18.8 | E | 21.3 | 24.1 | 27.7 | 33.9 | 76.1 |
| 1950 | 0 | R | 9.1 | F | 12.9 | 15.3 | 18.4 | A | 21.0 | 24.0 | 27.8 | 33.3 | 76.4 |
| 1960 | 0 | A | 9.3 | N | 13.2 | 15.3 | 18.0 | A | 20.3 | 22.9 | 26.3 | 33.1 | 75.9 |
| 1970 | 0 | C | 8.5 | H | 12.6 | 14.9 | 17.9 | E | 20.5 | 23.4 | 27.2 | 33.7 | 75.9 |
| 1980 | 0 | H | 9.7 | I | 13.5 | 15.4 | 17.8 | A | 19.9 | 22.3 | 25.4 | 33.5 | 77.6 |
| 1990 | 0 | A | 8.0 | D | 12.2 | 15.0 | 18.6 | E | 21.6 | 25.2 | 29.7 | 35.8 | 79.6 |
| 2000 | | N | 7.6 | H | 11.6 | 15.0 | 19.3 | E | 22.9 | 27.2 | 32.6 | 37.9 | 82.4 |
| 2005 | | D | 7.6 | O | 11.4 | 14.6 | 18.6 | E | 22.1 | 26.2 | 31.2 | 37.8 | 84.1 |
| 2010 | 0 | D | 8.4 | O | 12.3 | 15.1 | 18.8 | E | 21.9 | 25.5 | 30.1 | 37.8 | 85.8 |

UK (Females 1925-2010)

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|------|---|---|------|---|------|------|------|---|------|------|------|------|------|
| 1925 | 0 | E | 8.2 | P | 11.3 | 14.4 | 18.3 | L | 21.7 | 25.7 | 30.6 | 36.6 | 78.5 |
| 1930 | 0 | A | 8.5 | R | 11.8 | 14.8 | 18.6 | A | 21.8 | 25.5 | 30.2 | 36.8 | 78.6 |
| 1940 | 0 | I | 8.4 | N | 12.2 | 15.1 | 18.8 | E | 21.9 | 25.5 | 30.1 | 37.5 | 79.5 |
| 1950 | 0 | R | 8.5 | F | 12.0 | 15.4 | 19.6 | A | 23.2 | 27.5 | 32.8 | 38.1 | 80.6 |
| 1960 | 0 | A | 9.5 | N | 11.2 | 13.8 | 17.3 | A | 20.2 | 23.6 | 27.9 | 36.3 | 81.7 |
| 1970 | 0 | C | 8.9 | H | 11.8 | 13.5 | 15.8 | E | 17.7 | 19.9 | 22.7 | 35.8 | 82.8 |
| 1980 | 0 | H | 10.0 | I | 12.6 | 14.0 | 15.8 | E | 17.4 | 19.1 | 21.4 | 35.9 | 84.0 |
| 1990 | 0 | A | 10.4 | D | 13.1 | 14.4 | 16.1 | E | 17.5 | 19.1 | 21.3 | 36.3 | 85.4 |
| 2000 | | N | 9.9 | H | 13.0 | 14.6 | 16.8 | E | 18.6 | 20.6 | 23.3 | 37.8 | 86.7 |
| 2005 | | D | 8.5 | O | 11.6 | 13.6 | 16.2 | E | 18.4 | 21.0 | 24.2 | 39.0 | 87.6 |
| 2010 | 0 | D | 9.5 | O | 12.3 | 13.8 | 15.9 | E | 17.6 | 19.5 | 22.1 | 40.1 | 88.9 |

UK (Males 1925-2010)

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| Healthy Life Expectancy at Birth (HLEB) & Loss of Healthy Life Years (LHLY) | | | | | | | | | | Expected Healthy Age | | Total Health State | |
|---|-------|-------|------------|------------|------------|------------------------|-------------|---------------|--------------|----------------------|----------|--------------------|----------|
| | LHLY1 | LHLY3 | LHLY Light | LHLY Total | HLEB Total | HLEB Moderate & Severe | HLEB Severe | LEB from Data | LEB from Fit | From Data | From Fit | From Data | From Fit |
| 1925 | 6.5 | 11.8 | 2.2 | 14.0 | 42.8 | 45.0 | 50.3 | 56.8 | 57.6 | 35.4 | 35.1 | 849 | 841 |
| 1930 | 6.4 | 11.9 | 2.2 | 14.1 | 43.5 | 45.7 | 51.2 | 57.5 | 58.2 | 35.1 | 35.2 | 847 | 849 |
| 1940 | 6.2 | 10.8 | 3.4 | 14.2 | 45.7 | 49.1 | 53.8 | 59.9 | 60.1 | 35.5 | 35.3 | 871 | 861 |
| 1950 | 5.9 | 9.0 | 3.5 | 12.6 | 53.5 | 57.0 | 60.1 | 66.0 | 66.1 | 35.3 | 35.1 | 936 | 923 |
| 1960 | 6.0 | 9.0 | 2.1 | 11.1 | 56.6 | 58.7 | 61.8 | 67.8 | 67.9 | 34.8 | 34.8 | 951 | 945 |
| 1970 | 6.0 | 8.9 | 1.9 | 10.8 | 57.9 | 59.8 | 62.7 | 68.7 | 68.9 | 34.6 | 34.8 | 955 | 958 |
| 1980 | 6.0 | 8.7 | 3.6 | 12.3 | 58.1 | 61.7 | 64.5 | 70.4 | 70.6 | 35.7 | 35.6 | 1008 | 999 |
| 1990 | 6.1 | 8.5 | 4.4 | 12.9 | 59.9 | 64.3 | 66.7 | 72.8 | 73.1 | 36.8 | 36.7 | 1063 | 1055 |
| 2000 | 6.0 | 8.2 | 6.7 | 14.9 | 60.4 | 67.1 | 69.3 | 75.3 | 75.6 | 38.0 | 38.1 | 1127 | 1128 |
| 2005 | 6.1 | 8.0 | 8.5 | 16.5 | 60.2 | 68.7 | 70.7 | 76.7 | 77.2 | 39.1 | 39.0 | 1183 | 1177 |
| 2010 | 6.9 | 9.0 | 8.4 | 17.4 | 60.9 | 69.3 | 71.4 | 78.3 | 78.7 | 39.9 | 39.9 | 1228 | 1225 |

| Human Deterioration Stages | | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Human Development Age Groups based on the Deterioration Function (Years) | | | | | | | | | | | | | |
| 1925 | 36.5 | 54.5 | 59.6 | 68.0 | 78.5 | 83.2 | 87.8 | 88.8 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 |
| 1930 | 36.1 | 54.1 | 59.2 | 67.5 | 78.1 | 82.7 | 87.3 | 88.3 | 88.9 | 89.5 | 89.5 | 89.5 | 89.5 |
| 1940 | 36.7 | 54.3 | 59.3 | 67.9 | 79.0 | 83.8 | 88.4 | 89.4 | 89.9 | 90.5 | 90.5 | 90.5 | 90.5 |
| 1950 | 39.7 | 53.0 | 56.1 | 65.3 | 81.7 | 86.4 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 1960 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1970 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1980 | 42.3 | 52.1 | 53.4 | 61.6 | 82.4 | 87.6 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 1990 | 42.0 | 53.2 | 55.3 | 64.0 | 83.6 | 88.8 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 2000 | 40.8 | 56.8 | 61.1 | 70.4 | 84.2 | 89.4 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 2005 | 40.8 | 58.9 | 64.0 | 72.9 | 84.4 | 89.6 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 2010 | 41.0 | 60.4 | 65.8 | 74.4 | 84.8 | 90.0 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |

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|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 1925 | 6.9 | 11.6 | 3.7 | 15.2 | 45.4 | 49.0 | 53.7 | 60.6 | 61.3 | 36.5 | 36.8 | 905 | 911 |
| 1930 | 7.2 | 11.8 | 3.6 | 15.3 | 46.2 | 49.7 | 54.3 | 61.5 | 62.3 | 36.9 | 36.9 | 928 | 924 |
| 1940 | 6.6 | 10.5 | 4.9 | 15.4 | 49.4 | 54.3 | 58.2 | 64.8 | 65.0 | 37.2 | 37.3 | 967 | 968 |
| 1950 | 6.8 | 10.2 | 5.2 | 15.4 | 55.4 | 60.6 | 64.0 | 70.8 | 71.0 | 37.7 | 37.8 | 1061 | 1062 |
| 1960 | 6.4 | 9.0 | 6.7 | 15.7 | 57.9 | 64.5 | 67.1 | 73.5 | 73.9 | 38.0 | 38.1 | 1131 | 1132 |
| 1970 | 6.6 | 8.8 | 6.9 | 15.7 | 59.2 | 66.1 | 68.3 | 74.9 | 75.2 | 38.5 | 38.5 | 1155 | 1152 |
| 1980 | 6.2 | 8.1 | 8.3 | 16.4 | 60.1 | 68.4 | 70.2 | 76.5 | 76.7 | 39.0 | 39.0 | 1192 | 1183 |
| 1990 | 6.7 | 8.3 | 8.7 | 17.0 | 61.4 | 70.1 | 71.6 | 78.4 | 78.6 | 39.7 | 39.6 | 1243 | 1225 |
| 2000 | 6.9 | 8.4 | 9.2 | 17.7 | 62.4 | 71.7 | 73.2 | 80.1 | 80.5 | 40.5 | 40.5 | 1294 | 1287 |
| 2005 | 6.8 | 8.3 | 10.2 | 18.5 | 62.6 | 72.8 | 74.3 | 81.1 | 81.6 | 41.0 | 41.1 | 1329 | 1329 |
| 2010 | 7.9 | 9.3 | 10.3 | 19.5 | 62.8 | 73.1 | 74.5 | 82.4 | 82.7 | 42.1 | 41.8 | 1389 | 1370 |

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|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1925 | 36.3 | 55.3 | 60.7 | 69.1 | 79.7 | 84.4 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 1930 | 35.9 | 54.8 | 60.3 | 68.6 | 79.2 | 83.9 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 1940 | 36.2 | 54.8 | 60.2 | 68.7 | 79.9 | 84.7 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 1950 | 37.1 | 54.5 | 59.5 | 68.2 | 80.3 | 85.2 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 1960 | 37.9 | 55.1 | 60.1 | 68.8 | 81.1 | 86.0 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 1970 | 39.0 | 56.5 | 61.5 | 70.4 | 82.8 | 87.8 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 1980 | 39.6 | 58.1 | 63.4 | 72.1 | 83.5 | 88.5 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 1990 | 40.3 | 59.1 | 64.4 | 73.4 | 85.0 | 90.0 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 2000 | 40.2 | 59.5 | 65.0 | 73.7 | 84.9 | 89.7 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 2005 | 40.2 | 60.1 | 65.7 | 74.2 | 84.7 | 89.5 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 2010 | 40.5 | 61.3 | 67.1 | 75.2 | 84.9 | 89.5 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |

Theory developed by: C. H. Skiadas and C. Skiadas, *The Health State Function of a Population*, (2nd Ed., January 2013)

http://www.amazon.com/Health-State-Function-Population/dp/6188046505/ref=sr_1_1?s=books&ie=UTF8&qid=1364343495&sr=1-1