

National Life Tables, England, 1980-1982 to 2018-2020

National life tables, which are produced annually for the United Kingdom and its constituent countries, provide pe a person can be expected to live for if he or she experiences the age-specific mortality rates of the given area an

Each life table is based on the population estimates and deaths by date of registration data for a period of 3 cons population estimates for 2018, 2019 and 2020 and corresponding data on births, infant deaths and deaths by ind

The current national life tables for 2018-2020 and tables from 1980-1982 to 2017-2019 can be accessed by click

National Life Tables, England, 1980-1982 to 2018-2020

1980-1982	1981-1983	1982-1984	1983-1985	1984-1986	1985-1987	1986-1988	1987-1989
1990-1992	1991-1993	1992-1994	1993-1995	1994-1996	1995-1997	1996-1998	1997-1999
2000-2002	2001-2003	2002-2004	2003-2005	2004-2006	2005-2007	2006-2008	2007-2009
2010-2012	2011-2013	2012-2014	2013-2015	2014-2016	2015-2017	2016-2018	2017-2019

[Click here for a brief explanation of the notation](#)

[Click here for an explanation of the method of calculation](#)

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period expectation of life statistics. Period life expectancy is the average number of additional years
d time period for the rest of his or her life.

secutive years. The current set of national life tables for 2018-2020 is based on the mid-year
individual age from those years (the calculation of infant mortality also requires monthly births data for 2017).

ing on the links below.

<u>1988-1990</u>	<u>1989-1991</u>
<u>1998-2000</u>	<u>1999-2001</u>
<u>2008-2010</u>	<u>2009-2011</u>
<u>2018-2020</u>	

National Life Tables, England, 1980-1982 to 2018-2020

This spreadsheet contains National Life Tables for England.

Link to the statistical release:

[National life tables - 2018 to 2020](#)

Publication dates

The data tables in this spreadsheet were published on 23rd September 2021

Next Publication: to be confirmed.

Description of the life tables

National life tables, which are produced annually for the United Kingdom and its constituent countries, provide period expectation of life statistics. Period life expectancy is the average number of additional years a person can be expected to live for if he or she experiences the age-specific mortality rates of the given area and time period for the rest of his or her life.

Each life table is based on the population estimates and deaths by date of registration data for a period of 3 consecutive years. The current set of national life tables for 2018-2020 is based on the mid-year population estimates for 2018, 2019 and 2020 and corresponding data on births, infant deaths and deaths by individual age from those years (the calculation of infant mortality also requires monthly births data for 2017).

Information on where to find related data or supporting publications.

[Notation](#)

[Methodology](#)

[National life tables QMI](#)

[Guide to calculating national life tables](#)

[Life Expectancy releases and their different uses](#)

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Note text

Unless otherwise stated, population estimates used to calculate the national life tables are the latest available at time of publication of the 2018-2020 national life tables.

Population estimates for those aged 90 and over (by single year of age and sex) are calculated for England and Wales separately using the Kannisto-Thatcher (KT) methodology. (These are then constrained to the 90+ totals in the annual mid-year population estimates). Prior to 1990-1992 life tables these were calculated by apportioning 90+ KT estimates at single years of age for England and Wales combined based on the respective 90+ population sizes of England and Wales.

[For more information see the Quality and Methodology Information Document for Estimates of the Very Old \(including Centenarians\)](#)

Deaths of non-residents occurring in England and Wales were all allocated to England for the calculation of national life tables. National life tables for Wales do not include deaths of non-residents.

Death data are based on deaths by date of registration for all the constituent countries. Prior to 2007, the 1991-93 to 2003-05 tables were based on deaths by date of occurrence for England and Wales, and by date of registration for Scotland and Northern Ireland.

The tables for England, Wales and England & Wales, covering the years 2000-2002 to 2008-2010 were revised in October 2013 because of the revisions to the underlying population estimates following the 2011 Census.

In January 2006 responsibility for the production of national life tables transferred from the Government Actuary's Department (GAD) to the Office for National Statistics (ONS).

The figures published in this release will show marginal differences with those published in previous years. This is because estimates of the very old (EVOs) are revised each year to improve accuracy, as new data becomes available. In previous publications these revisions have not been taken into account in historical life tables. However, since the 2016-18 life tables, ONS revises historical life tables to incorporate the latest EVOs.

Birth notifications for England and Wales have been used for 2020 in the calculation of these National Life Tables. This is due to 2020 birth registrations data not being available for England and Wales at the time of production. Birth registrations have been used for all other years for all countries, and for Scotland and Northern Ireland in 2020. We will update the 2020 births data with birth registrations for the publication of the 2019-2021 National Life Tables.

No adjustments have been made to the 2020 mid-year population estimates used in the calculation of the National Life Tables to allow for the actual incidence of COVID-19 deaths. For more information, please see the National Life Tables QMI.

[National Life Tables QMI](#)

National Life Tables

Notation

m_x

is the central rate of mortality, defined as the number of deaths at age x last birthday in the three year period to which the National Life Table relates divided by the average population at that age over the same period.

q_x

is the mortality rate between age x and $(x + 1)$, that is the probability that a person aged x exact will die before reaching age $(x + 1)$.

l_x

is the number of survivors to exact age x of 100,000 live births of the same sex who are assumed to be subject to the mortality rates experienced in the three year period to which the National Life Table relates.

d_x

is the number dying between exact age x and $(x + 1)$ described similarly to l_x , that is $d_x = l_x - l_{x+1}$.

e_x

is the average period expectation of life at exact age x , that is the average number of years that those aged x exact can be expected to live based on the mortality rates experienced in the three year period to which the National Life Table relates.

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aching age ($x + 1$).

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act will live thereafter

National Life Tables

Methodology

Infant mortality (q_0)

For National Life Tables covering the period year T to year T+2 inclusive, infant deaths at <4 weeks, 1-2 months, 3-5 months, 6-8 months and 9-11 months are summed separately for males and females over the three years T, T+1 and T+2. The 'at risk' population is then derived for each group from the monthly birth figures, separately for males and females, as follows (where $BX_{xx}T$ = Births in Month Xxx of calendar year T):

<4 weeks:

1 to 2 months:

3 to 5 months:

6-8 months:

9-11 months:

Each of the total groups of deaths is then divided by the appropriate at risk population calculated above and the m_0 shown in the life table is calculated from q_0 using the formula:

Calculation of q_x above age 0

First m_x is calculated for each age by dividing the sum of the deaths at age x in each of the three years by the population aged x last birthday for each of the three years. The corresponding q_x is then derived using the formula:

The construction of the life table

Starting with a radix of 100000 simultaneous births (l_0), the life table population is calculated by multiplying l_0 by q_0 to give the number of deaths aged 0. The resulting d_0 is then subtracted from the l_0 to give l_1 . Similarly l_2 is l_1 less (l_1 times q_1).

Generally:

The calculation of expectation of life at each age

In order to calculate the expectation of life at exact age x the number of 'years alive' at each individual age (L_x) is calculated. For ages above 1, where deaths can be assumed to occur linearly over a year of age, this can be taken as

Below age 1, this assumption is unrealistic. L_0 is calculated using the following formula:

By making assumptions for the average age of death for each of the periods used for the infant death calculation
The assumed average ages at death are as follows:

Age at death
<4 weeks
1-2 months
3-5 months
6-8 months
9-11 months

Summing the L_x column from age x to the oldest age gives the total number of years lived (T_x) from age x.
The period expectation of life at exact age x is given by dividing the number of years lived by the number at that a

results totalled to give q_0 .

um of the mid year

la:

o give d_0 ,

imes q_1) and so on.

eeds to be calculated.

, where a_0 is the average age of death of those dying within the first year of life.
, a_0 can be calculated.

Assumed average age at death (months)	Notes
0.2	Based on analysis of England and Wales data for deaths under 1 month
1.5	
4	
7	
10	

ge i.e.

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

[Back to contents](#)

National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004253	0.004244	100000.0	424.4	79.33
1	0.000231	0.000231	99575.6	23.0	78.67
2	0.000128	0.000128	99552.5	12.7	77.69
3	0.000099	0.000099	99539.8	9.8	76.70
4	0.000090	0.000090	99530.0	8.9	75.71
5	0.000077	0.000077	99521.1	7.6	74.71
6	0.000081	0.000081	99513.4	8.0	73.72
7	0.000068	0.000068	99505.4	6.8	72.73
8	0.000065	0.000065	99498.6	6.4	71.73
9	0.000062	0.000062	99492.2	6.2	70.74
10	0.000073	0.000073	99486.0	7.3	69.74
11	0.000074	0.000074	99478.7	7.3	68.75
12	0.000102	0.000102	99471.4	10.1	67.75
13	0.000116	0.000116	99461.2	11.5	66.76
14	0.000124	0.000124	99449.7	12.3	65.76
15	0.000169	0.000169	99437.4	16.8	64.77
16	0.000190	0.000190	99420.5	18.9	63.78
17	0.000284	0.000284	99401.6	28.2	62.80
18	0.000373	0.000373	99373.4	37.1	61.81
19	0.000415	0.000415	99336.3	41.2	60.84
20	0.000524	0.000524	99295.1	52.0	59.86
21	0.000473	0.000473	99243.1	47.0	58.89
22	0.000463	0.000463	99196.1	45.9	57.92
23	0.000478	0.000478	99150.3	47.4	56.95
24	0.000514	0.000514	99102.8	51.0	55.97
25	0.000540	0.000540	99051.9	53.4	55.00
26	0.000567	0.000567	98998.4	56.1	54.03
27	0.000585	0.000585	98942.3	57.9	53.06
28	0.000629	0.000629	98884.5	62.2	52.09
29	0.000657	0.000657	98822.3	64.9	51.13
30	0.000730	0.000730	98757.4	72.1	50.16
31	0.000778	0.000778	98685.3	76.8	49.19
32	0.000775	0.000775	98608.5	76.4	48.23
33	0.000888	0.000888	98532.1	87.5	47.27
34	0.000918	0.000917	98444.6	90.3	46.31
35	0.000990	0.000990	98354.3	97.3	45.35
36	0.001043	0.001043	98257.0	102.4	44.40
37	0.001258	0.001257	98154.5	123.4	43.44
38	0.001231	0.001230	98031.1	120.6	42.50
39	0.001360	0.001359	97910.5	133.0	41.55
40	0.001488	0.001486	97777.5	145.3	40.61
41	0.001578	0.001576	97632.1	153.9	39.66
42	0.001719	0.001718	97478.2	167.4	38.73
43	0.001879	0.001878	97310.8	182.7	37.79
44	0.002076	0.002074	97128.1	201.4	36.86
45	0.002310	0.002307	96926.7	223.6	35.94
46	0.002443	0.002440	96703.0	236.0	35.02
47	0.002641	0.002638	96467.1	254.5	34.10
48	0.002840	0.002836	96212.6	272.9	33.19
49	0.003150	0.003145	95939.7	301.8	32.29

National life table

age	mx
0	0.003525
1	0.000211
2	0.000113
3	0.000093
4	0.000061
5	0.000079
6	0.000069
7	0.000051
8	0.000053
9	0.000056
10	0.000065
11	0.000056
12	0.000054
13	0.000088
14	0.000094
15	0.000102
16	0.000129
17	0.000157
18	0.000205
19	0.000202
20	0.000177
21	0.000195
22	0.000232
23	0.000200
24	0.000215
25	0.000251
26	0.000253
27	0.000290
28	0.000299
29	0.000318
30	0.000374
31	0.000366
32	0.000438
33	0.000472
34	0.000549
35	0.000560
36	0.000625
37	0.000725
38	0.000757
39	0.000791
40	0.000849
41	0.000944
42	0.001058
43	0.001149
44	0.001300
45	0.001418
46	0.001533
47	0.001668
48	0.001895
49	0.001990

50	0.003430	0.003424	95638.0	327.5	31.39	50	0.002158
51	0.003698	0.003691	95310.5	351.8	30.49	51	0.002382
52	0.003928	0.003920	94958.7	372.2	29.60	52	0.002509
53	0.004286	0.004277	94586.5	404.5	28.72	53	0.002685
54	0.004590	0.004579	94182.0	431.3	27.84	54	0.002840
55	0.004900	0.004888	93750.7	458.3	26.97	55	0.003163
56	0.005441	0.005426	93292.4	506.2	26.10	56	0.003523
57	0.005899	0.005882	92786.2	545.7	25.24	57	0.003790
58	0.006545	0.006523	92240.4	601.7	24.38	58	0.004219
59	0.007059	0.007035	91638.7	644.6	23.54	59	0.004492
60	0.007727	0.007698	90994.1	700.5	22.70	60	0.005056
61	0.008389	0.008354	90293.6	754.3	21.87	61	0.005439
62	0.009371	0.009328	89539.3	835.2	21.05	62	0.006254
63	0.010239	0.010187	88704.1	903.6	20.25	63	0.006649
64	0.011013	0.010952	87800.5	961.6	19.45	64	0.007116
65	0.012287	0.012212	86838.9	1060.5	18.66	65	0.007832
66	0.013567	0.013476	85778.4	1156.0	17.89	66	0.008496
67	0.014555	0.014450	84622.5	1222.8	17.12	67	0.009240
68	0.016168	0.016038	83399.7	1337.6	16.37	68	0.010391
69	0.017765	0.017609	82062.1	1445.0	15.62	69	0.011042
70	0.018948	0.018771	80617.1	1513.2	14.90	70	0.012523
71	0.020533	0.020325	79103.8	1607.8	14.17	71	0.013297
72	0.022403	0.022155	77496.1	1716.9	13.45	72	0.015105
73	0.025667	0.025341	75779.2	1920.3	12.75	73	0.016918
74	0.028345	0.027949	73858.8	2064.3	12.07	74	0.019264
75	0.031973	0.031470	71794.5	2259.4	11.40	75	0.021221
76	0.035627	0.035003	69535.1	2433.9	10.75	76	0.023958
77	0.040077	0.039289	67101.2	2636.4	10.13	77	0.027565
78	0.045241	0.044240	64464.8	2851.9	9.52	78	0.030958
79	0.050341	0.049105	61612.9	3025.5	8.94	79	0.035503
80	0.056589	0.055031	58587.4	3224.2	8.37	80	0.039482
81	0.062952	0.061031	55363.2	3378.9	7.83	81	0.044805
82	0.070386	0.067994	51984.4	3534.6	7.31	82	0.050403
83	0.078944	0.075946	48449.8	3679.6	6.80	83	0.057638
84	0.089698	0.085848	44770.2	3843.4	6.32	84	0.065942
85	0.101164	0.096293	40926.8	3941.0	5.87	85	0.075345
86	0.115448	0.109147	36985.8	4036.9	5.44	86	0.086766
87	0.129527	0.121649	32948.9	4008.2	5.05	87	0.099231
88	0.146496	0.136498	28940.7	3950.3	4.68	88	0.112617
89	0.165959	0.153243	24990.4	3829.6	4.34	89	0.127675
90	0.176339	0.162051	21160.8	3429.1	4.03	90	0.144447
91	0.199725	0.181591	17731.7	3219.9	3.71	91	0.164169
92	0.220553	0.198647	14511.8	2882.7	3.43	92	0.185294
93	0.250237	0.222409	11629.0	2586.4	3.15	93	0.207771
94	0.278155	0.244193	9042.6	2208.2	2.91	94	0.229549
95	0.311659	0.269641	6834.5	1842.9	2.69	95	0.257559
96	0.342622	0.292512	4991.6	1460.1	2.50	96	0.287979
97	0.372790	0.314221	3531.5	1109.7	2.32	97	0.321706
98	0.402753	0.335243	2421.8	811.9	2.16	98	0.350861
99	0.462216	0.375447	1609.9	604.4	1.99	99	0.380022
100	0.49589	0.39737	1005.5	399.5	1.89	100	0.42251

ears 2018-2020

s, Females

qx	lx	dx	ex
0.003519	100000.0	351.9	83.12
0.000211	99648.1	21.0	82.42
0.000113	99627.1	11.3	81.43
0.000093	99615.9	9.2	80.44
0.000061	99606.6	6.0	79.45
0.000079	99600.6	7.8	78.45
0.000069	99592.7	6.9	77.46
0.000051	99585.8	5.0	76.47
0.000053	99580.8	5.2	75.47
0.000056	99575.6	5.5	74.47
0.000065	99570.0	6.5	73.48
0.000056	99563.6	5.6	72.48
0.000054	99558.0	5.3	71.49
0.000088	99552.7	8.7	70.49
0.000094	99544.0	9.4	69.50
0.000102	99534.6	10.2	68.50
0.000129	99524.4	12.9	67.51
0.000157	99511.6	15.6	66.52
0.000205	99496.0	20.4	65.53
0.000202	99475.5	20.1	64.54
0.000177	99455.5	17.6	63.56
0.000195	99437.9	19.4	62.57
0.000232	99418.5	23.1	61.58
0.000200	99395.4	19.8	60.59
0.000215	99375.5	21.4	59.60
0.000251	99354.2	24.9	58.62
0.000253	99329.2	25.2	57.63
0.000290	99304.1	28.8	56.65
0.000299	99275.3	29.7	55.66
0.000318	99245.6	31.6	54.68
0.000374	99214.0	37.1	53.70
0.000366	99176.9	36.3	52.72
0.000437	99140.5	43.4	51.74
0.000472	99097.2	46.8	50.76
0.000549	99050.4	54.4	49.78
0.000560	98996.0	55.4	48.81
0.000625	98940.6	61.8	47.84
0.000724	98878.8	71.6	46.87
0.000757	98807.2	74.8	45.90
0.000791	98732.4	78.1	44.93
0.000849	98654.3	83.8	43.97
0.000943	98570.5	93.0	43.01
0.001058	98477.5	104.2	42.05
0.001149	98373.4	113.0	41.09
0.001300	98260.4	127.7	40.14
0.001417	98132.7	139.1	39.19
0.001532	97993.6	150.1	38.24
0.001667	97843.5	163.1	37.30
0.001894	97680.4	185.0	36.36
0.001988	97495.4	193.8	35.43

0.002155	97301.6	209.7	34.50
0.002379	97091.9	231.0	33.57
0.002506	96860.9	242.8	32.65
0.002682	96618.1	259.1	31.73
0.002836	96359.0	273.2	30.82
0.003158	96085.8	303.4	29.90
0.003517	95782.3	336.9	29.00
0.003783	95445.5	361.0	28.10
0.004210	95084.4	400.3	27.20
0.004482	94684.2	424.3	26.31
0.005043	94259.8	475.3	25.43
0.005424	93784.5	508.7	24.56
0.006235	93275.8	581.5	23.69
0.006627	92694.2	614.3	22.83
0.007091	92080.0	653.0	21.98
0.007802	91427.0	713.3	21.14
0.008460	90713.7	767.4	20.30
0.009197	89946.3	827.3	19.47
0.010337	89119.1	921.2	18.64
0.010981	88197.8	968.5	17.83
0.012445	87229.4	1085.5	17.03
0.013209	86143.8	1137.9	16.23
0.014992	85006.0	1274.4	15.44
0.016776	83731.6	1404.7	14.67
0.019080	82326.9	1570.8	13.91
0.020998	80756.1	1695.7	13.17
0.023674	79060.4	1871.7	12.45
0.027191	77188.6	2098.8	11.74
0.030486	75089.8	2289.2	11.05
0.034883	72800.6	2539.5	10.38
0.038718	70261.1	2720.3	9.74
0.043823	67540.7	2959.9	9.11
0.049164	64580.9	3175.0	8.51
0.056024	61405.8	3440.2	7.92
0.063838	57965.6	3700.4	7.36
0.072610	54265.3	3940.2	6.83
0.083158	50325.1	4184.9	6.32
0.094540	46140.1	4362.1	5.85
0.106614	41778.0	4454.1	5.41
0.120013	37323.9	4479.4	5.00
0.134717	32844.5	4424.7	4.61
0.151716	28419.8	4311.7	4.25
0.169583	24108.1	4088.3	3.92
0.188218	20019.8	3768.1	3.62
0.205915	16251.7	3346.5	3.34
0.228175	12905.2	2944.6	3.08
0.251732	9960.6	2507.4	2.84
0.277129	7453.2	2065.5	2.63
0.298496	5387.7	1608.2	2.44
0.319343	3779.5	1207.0	2.27
0.34882	2572.5	897.4	2.1

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004321	0.004312	100000.0	431.2	79.67
1	0.000242	0.000242	99568.8	24.1	79.02
2	0.000132	0.000132	99544.7	13.2	78.04
3	0.000102	0.000102	99531.5	10.1	77.05
4	0.000094	0.000094	99521.4	9.4	76.06
5	0.000089	0.000089	99512.0	8.9	75.06
6	0.000083	0.000083	99503.1	8.3	74.07
7	0.000073	0.000073	99494.8	7.3	73.08
8	0.000064	0.000064	99487.5	6.4	72.08
9	0.000062	0.000062	99481.1	6.2	71.09
10	0.000072	0.000072	99475.0	7.2	70.09
11	0.000081	0.000081	99467.8	8.1	69.09
12	0.000105	0.000105	99459.7	10.4	68.10
13	0.000125	0.000125	99449.3	12.4	67.11
14	0.000116	0.000116	99436.9	11.5	66.12
15	0.000169	0.000169	99425.4	16.8	65.12
16	0.000220	0.000220	99408.5	21.9	64.13
17	0.000303	0.000303	99386.7	30.2	63.15
18	0.000387	0.000387	99356.5	38.5	62.17
19	0.000415	0.000415	99318.0	41.2	61.19
20	0.000503	0.000503	99276.8	49.9	60.22
21	0.000498	0.000498	99226.9	49.4	59.25
22	0.000479	0.000478	99177.4	47.5	58.28
23	0.000470	0.000470	99130.0	46.6	57.30
24	0.000513	0.000513	99083.4	50.8	56.33
25	0.000538	0.000538	99032.6	53.3	55.36
26	0.000543	0.000543	98979.3	53.7	54.39
27	0.000574	0.000574	98925.6	56.7	53.42
28	0.000629	0.000629	98868.8	62.1	52.45
29	0.000664	0.000664	98806.7	65.6	51.48
30	0.000711	0.000711	98741.1	70.2	50.51
31	0.000772	0.000772	98670.9	76.2	49.55
32	0.000756	0.000755	98594.7	74.5	48.59
33	0.000861	0.000861	98520.2	84.8	47.62
34	0.000893	0.000892	98435.4	87.8	46.66
35	0.000968	0.000967	98347.6	95.1	45.71
36	0.001051	0.001050	98252.5	103.2	44.75
37	0.001212	0.001211	98149.3	118.9	43.80
38	0.001179	0.001178	98030.4	115.5	42.85
39	0.001291	0.001290	97914.9	126.3	41.90
40	0.001431	0.001430	97788.6	139.8	40.95
41	0.001535	0.001534	97648.7	149.8	40.01
42	0.001678	0.001676	97498.9	163.4	39.07
43	0.001853	0.001851	97335.5	180.2	38.14
44	0.001962	0.001960	97155.3	190.4	37.21
45	0.002226	0.002223	96964.9	215.6	36.28
46	0.002306	0.002304	96749.3	222.9	35.36
47	0.002573	0.002570	96526.4	248.1	34.44
48	0.002719	0.002715	96278.4	261.4	33.53
49	0.003047	0.003042	96017.0	292.1	32.62

National life table

age	mx
0	0.003582
1	0.000213
2	0.000125
3	0.000098
4	0.000064
5	0.000085
6	0.000079
7	0.000061
8	0.000064
9	0.000056
10	0.000064
11	0.000062
12	0.000057
13	0.000079
14	0.000092
15	0.000098
16	0.000148
17	0.000159
18	0.000211
19	0.000194
20	0.000179
21	0.000201
22	0.000215
23	0.000200
24	0.000218
25	0.000244
26	0.000259
27	0.000270
28	0.000304
29	0.000302
30	0.000358
31	0.000369
32	0.000436
33	0.000451
34	0.000525
35	0.000554
36	0.000583
37	0.000746
38	0.000703
39	0.000771
40	0.000829
41	0.000916
42	0.001028
43	0.001098
44	0.001261
45	0.001361
46	0.001495
47	0.001620
48	0.001772
49	0.001899

50	0.003239	0.003233	95724.8	309.5	31.71	50	0.002091
51	0.003496	0.003490	95415.3	333.0	30.81	51	0.002277
52	0.003755	0.003748	95082.3	356.4	29.92	52	0.002478
53	0.004021	0.004013	94725.9	380.1	29.03	53	0.002591
54	0.004318	0.004309	94345.8	406.5	28.15	54	0.002773
55	0.004653	0.004642	93939.3	436.1	27.27	55	0.003089
56	0.005192	0.005178	93503.2	484.2	26.39	56	0.003400
57	0.005695	0.005678	93019.0	528.2	25.53	57	0.003689
58	0.006208	0.006189	92490.8	572.4	24.67	58	0.004082
59	0.006728	0.006705	91918.3	616.3	23.82	59	0.004403
60	0.007414	0.007386	91302.0	674.4	22.98	60	0.004852
61	0.008049	0.008017	90627.6	726.5	22.14	61	0.005299
62	0.008998	0.008958	89901.1	805.3	21.32	62	0.006098
63	0.009929	0.009880	89095.8	880.3	20.51	63	0.006478
64	0.010735	0.010678	88215.5	942.0	19.71	64	0.007006
65	0.011872	0.011802	87273.5	1030.0	18.91	65	0.007698
66	0.012985	0.012901	86243.5	1112.6	18.13	66	0.008278
67	0.014160	0.014060	85130.9	1197.0	17.36	67	0.009053
68	0.015490	0.015371	83933.9	1290.1	16.60	68	0.010082
69	0.016987	0.016844	82643.8	1392.1	15.86	69	0.010880
70	0.017956	0.017796	81251.8	1446.0	15.12	70	0.012030
71	0.020010	0.019812	79805.8	1581.1	14.38	71	0.012970
72	0.021869	0.021632	78224.7	1692.2	13.66	72	0.014884
73	0.025311	0.024995	76532.5	1912.9	12.96	73	0.017035
74	0.027602	0.027226	74619.6	2031.6	12.27	74	0.018668
75	0.030891	0.030421	72588.0	2208.2	11.60	75	0.020912
76	0.034948	0.034348	70379.8	2417.4	10.95	76	0.023611
77	0.038670	0.037937	67962.4	2578.3	10.32	77	0.026807
78	0.043514	0.042587	65384.2	2784.5	9.71	78	0.030388
79	0.048056	0.046928	62599.6	2937.7	9.12	79	0.034189
80	0.054329	0.052892	59662.0	3155.7	8.55	80	0.038372
81	0.060667	0.058881	56506.3	3327.1	8.00	81	0.043276
82	0.067296	0.065106	53179.2	3462.3	7.46	82	0.049059
83	0.076235	0.073435	49716.9	3651.0	6.95	83	0.056819
84	0.087106	0.083471	46065.9	3845.2	6.46	84	0.064521
85	0.097770	0.093214	42220.8	3935.5	6.00	85	0.074049
86	0.111136	0.105286	38285.2	4030.9	5.57	86	0.085076
87	0.124636	0.117324	34254.4	4018.9	5.17	87	0.096453
88	0.141065	0.131771	30235.5	3984.2	4.79	88	0.110923
89	0.160029	0.148173	26251.3	3889.7	4.44	89	0.124474
90	0.171303	0.157788	22361.6	3528.4	4.12	90	0.140894
91	0.194057	0.176893	18833.2	3331.5	3.80	91	0.159746
92	0.215207	0.194300	15501.7	3012.0	3.51	92	0.180050
93	0.239683	0.214033	12489.8	2673.2	3.23	93	0.201066
94	0.268883	0.237018	9816.5	2326.7	2.98	94	0.226271
95	0.301158	0.261745	7489.8	1960.4	2.75	95	0.255483
96	0.339814	0.290462	5529.4	1606.1	2.55	96	0.286263
97	0.360074	0.305138	3923.3	1197.2	2.38	97	0.308323
98	0.390059	0.326401	2726.2	889.8	2.21	98	0.343826
99	0.451980	0.368665	1836.3	677.0	2.04	99	0.373434
100	0.48150	0.38807	1159.3	449.9	1.94	100	0.42469

ears 2017-2019

s, Females

qx	lx	dx	ex
0.003576	100000.0	357.6	83.33
0.000213	99642.4	21.2	82.63
0.000125	99621.2	12.4	81.65
0.000098	99608.8	9.8	80.66
0.000064	99599.0	6.4	79.67
0.000085	99592.6	8.5	78.67
0.000079	99584.1	7.8	77.68
0.000061	99576.3	6.0	76.68
0.000064	99570.3	6.3	75.69
0.000056	99563.9	5.6	74.69
0.000064	99558.3	6.4	73.70
0.000062	99551.9	6.2	72.70
0.000057	99545.8	5.6	71.71
0.000079	99540.1	7.9	70.71
0.000092	99532.2	9.1	69.72
0.000098	99523.1	9.8	68.72
0.000148	99513.3	14.7	67.73
0.000159	99498.6	15.8	66.74
0.000211	99482.8	20.9	65.75
0.000194	99461.8	19.3	64.76
0.000179	99442.6	17.8	63.78
0.000201	99424.8	20.0	62.79
0.000215	99404.8	21.4	61.80
0.000200	99383.4	19.9	60.81
0.000218	99363.5	21.6	59.82
0.000244	99341.9	24.3	58.84
0.000259	99317.7	25.7	57.85
0.000270	99291.9	26.9	56.87
0.000304	99265.1	30.2	55.88
0.000302	99234.9	30.0	54.90
0.000358	99204.9	35.5	53.92
0.000369	99169.4	36.6	52.93
0.000436	99132.9	43.2	51.95
0.000451	99089.7	44.7	50.98
0.000525	99045.0	52.0	50.00
0.000554	98993.0	54.8	49.03
0.000583	98938.1	57.7	48.05
0.000746	98880.5	73.8	47.08
0.000703	98806.7	69.4	46.11
0.000770	98737.2	76.1	45.15
0.000828	98661.2	81.7	44.18
0.000916	98579.5	90.2	43.22
0.001027	98489.2	101.2	42.26
0.001098	98388.0	108.0	41.30
0.001260	98280.0	123.8	40.34
0.001360	98156.2	133.5	39.39
0.001494	98022.7	146.4	38.45
0.001618	97876.3	158.4	37.50
0.001770	97717.9	173.0	36.56
0.001897	97544.9	185.0	35.63

0.002089	97359.9	203.4	34.69
0.002274	97156.5	221.0	33.77
0.002474	96935.5	239.9	32.84
0.002587	96695.6	250.2	31.92
0.002770	96445.5	267.1	31.00
0.003084	96178.3	296.6	30.09
0.003395	95881.7	325.5	29.18
0.003682	95556.2	351.9	28.28
0.004073	95204.4	387.8	27.38
0.004393	94816.6	416.5	26.49
0.004841	94400.0	456.9	25.61
0.005285	93943.1	496.5	24.73
0.006079	93446.6	568.1	23.86
0.006457	92878.5	599.7	23.00
0.006982	92278.7	644.3	22.15
0.007668	91634.5	702.7	21.30
0.008244	90931.8	749.7	20.46
0.009012	90182.1	812.7	19.62
0.010032	89369.4	896.5	18.80
0.010821	88472.9	957.3	17.98
0.011958	87515.5	1046.6	17.17
0.012887	86469.0	1114.3	16.38
0.014774	85354.7	1261.0	15.58
0.016891	84093.7	1420.4	14.81
0.018495	82673.2	1529.1	14.06
0.020696	81144.2	1679.4	13.31
0.023336	79464.8	1854.4	12.58
0.026453	77610.5	2053.0	11.87
0.029934	75557.5	2261.7	11.18
0.033615	73295.7	2463.8	10.51
0.037650	70831.9	2666.8	9.86
0.042359	68165.1	2887.4	9.22
0.047884	65277.7	3125.8	8.61
0.055250	62152.0	3433.9	8.02
0.062504	58718.1	3670.1	7.46
0.071406	55047.9	3930.7	6.92
0.081605	51117.2	4171.4	6.41
0.092016	46945.8	4319.7	5.94
0.105094	42626.1	4479.8	5.49
0.117181	38146.3	4470.0	5.08
0.131622	33676.3	4432.5	4.68
0.147930	29243.8	4326.0	4.32
0.165179	24917.7	4115.9	3.98
0.182699	20801.8	3800.5	3.67
0.203273	17001.4	3455.9	3.38
0.226544	13545.4	3068.6	3.11
0.250420	10476.8	2623.6	2.88
0.267140	7853.2	2097.9	2.67
0.293389	5755.3	1688.5	2.47
0.314678	4066.8	1279.7	2.28
0.35031	2787	976.3	2.1

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004289	0.004280	100000.0	428.0	79.55
1	0.000257	0.000257	99572.0	25.6	78.90
2	0.000129	0.000129	99546.5	12.9	77.92
3	0.000118	0.000118	99533.6	11.8	76.93
4	0.000095	0.000095	99521.8	9.4	75.93
5	0.000095	0.000095	99512.4	9.5	74.94
6	0.000067	0.000067	99502.9	6.7	73.95
7	0.000079	0.000079	99496.2	7.8	72.95
8	0.000066	0.000066	99488.4	6.6	71.96
9	0.000072	0.000072	99481.8	7.1	70.96
10	0.000072	0.000072	99474.7	7.1	69.97
11	0.000086	0.000086	99467.5	8.6	68.97
12	0.000099	0.000099	99459.0	9.8	67.98
13	0.000106	0.000106	99449.1	10.5	66.99
14	0.000131	0.000131	99438.6	13.0	65.99
15	0.000176	0.000176	99425.6	17.5	65.00
16	0.000225	0.000225	99408.1	22.4	64.01
17	0.000304	0.000303	99385.7	30.2	63.03
18	0.000391	0.000391	99355.6	38.9	62.05
19	0.000411	0.000411	99316.7	40.8	61.07
20	0.000485	0.000485	99275.9	48.1	60.10
21	0.000489	0.000489	99227.8	48.6	59.12
22	0.000483	0.000483	99179.2	47.9	58.15
23	0.000487	0.000487	99131.3	48.3	57.18
24	0.000515	0.000515	99083.0	51.0	56.21
25	0.000540	0.000540	99032.0	53.5	55.24
26	0.000548	0.000548	98978.5	54.2	54.27
27	0.000560	0.000560	98924.3	55.4	53.30
28	0.000628	0.000628	98868.9	62.1	52.33
29	0.000653	0.000653	98806.8	64.5	51.36
30	0.000692	0.000692	98742.3	68.3	50.39
31	0.000771	0.000770	98674.0	76.0	49.43
32	0.000776	0.000776	98598.0	76.5	48.46
33	0.000858	0.000857	98521.5	84.4	47.50
34	0.000905	0.000904	98437.1	89.0	46.54
35	0.000964	0.000964	98348.1	94.8	45.58
36	0.001084	0.001083	98253.3	106.5	44.63
37	0.001145	0.001145	98146.8	112.4	43.68
38	0.001143	0.001142	98034.5	112.0	42.72
39	0.001278	0.001277	97922.5	125.0	41.77
40	0.001414	0.001413	97797.4	138.2	40.83
41	0.001572	0.001571	97659.3	153.4	39.88
42	0.001695	0.001693	97505.8	165.1	38.94
43	0.001953	0.001951	97340.7	189.9	38.01
44	0.002026	0.002024	97150.8	196.6	37.08
45	0.002159	0.002157	96954.2	209.1	36.16
46	0.002298	0.002296	96745.1	222.1	35.23
47	0.002594	0.002591	96523.0	250.0	34.31
48	0.002750	0.002747	96273.0	264.4	33.40
49	0.003009	0.003004	96008.5	288.4	32.49

National life table

age	mx
0	0.003598
1	0.000228
2	0.000128
3	0.000096
4	0.000071
5	0.000072
6	0.000070
7	0.000063
8	0.000058
9	0.000063
10	0.000061
11	0.000074
12	0.000066
13	0.000074
14	0.000091
15	0.000107
16	0.000146
17	0.000150
18	0.000204
19	0.000187
20	0.000190
21	0.000213
22	0.000204
23	0.000196
24	0.000210
25	0.000252
26	0.000249
27	0.000269
28	0.000315
29	0.000304
30	0.000364
31	0.000370
32	0.000464
33	0.000466
34	0.000521
35	0.000552
36	0.000603
37	0.000715
38	0.000700
39	0.000772
40	0.000815
41	0.000930
42	0.001014
43	0.001123
44	0.001275
45	0.001376
46	0.001482
47	0.001652
48	0.001768
49	0.001897

50	0.003229	0.003224	95720.1	308.6	31.59	50	0.002049
51	0.003427	0.003421	95411.5	326.4	30.69	51	0.002283
52	0.003751	0.003744	95085.0	356.0	29.79	52	0.002485
53	0.003975	0.003967	94729.1	375.8	28.90	53	0.002660
54	0.004257	0.004248	94353.3	400.8	28.02	54	0.002826
55	0.004743	0.004732	93952.5	444.6	27.13	55	0.003168
56	0.005153	0.005140	93507.9	480.6	26.26	56	0.003490
57	0.005712	0.005696	93027.2	529.9	25.39	57	0.003777
58	0.006271	0.006252	92497.4	578.2	24.54	58	0.004188
59	0.006778	0.006755	91919.1	620.9	23.69	59	0.004546
60	0.007578	0.007549	91298.2	689.2	22.85	60	0.004927
61	0.008271	0.008237	90609.0	746.4	22.02	61	0.005447
62	0.009073	0.009032	89862.6	811.6	21.19	62	0.006146
63	0.010166	0.010114	89051.0	900.7	20.38	63	0.006581
64	0.010939	0.010879	88150.3	959.0	19.59	64	0.007114
65	0.011987	0.011916	87191.2	1038.9	18.80	65	0.007730
66	0.013171	0.013085	86152.3	1127.3	18.02	66	0.008590
67	0.014162	0.014063	85025.0	1195.7	17.25	67	0.009215
68	0.015647	0.015525	83829.3	1301.5	16.49	68	0.010118
69	0.016820	0.016679	82527.9	1376.5	15.74	69	0.011029
70	0.018319	0.018153	81151.3	1473.1	15.00	70	0.012142
71	0.020408	0.020201	79678.2	1609.6	14.27	71	0.013421
72	0.022661	0.022407	78068.6	1749.3	13.55	72	0.015583
73	0.025594	0.025271	76319.4	1928.7	12.85	73	0.017139
74	0.028149	0.027758	74390.7	2064.9	12.17	74	0.018846
75	0.031824	0.031326	72325.8	2265.7	11.50	75	0.021607
76	0.035557	0.034936	70060.1	2447.6	10.86	76	0.024534
77	0.039830	0.039053	67612.5	2640.4	10.23	77	0.027288
78	0.043917	0.042973	64972.0	2792.0	9.63	78	0.030791
79	0.048576	0.047425	62180.0	2948.9	9.04	79	0.034086
80	0.054809	0.053347	59231.1	3159.8	8.46	80	0.038629
81	0.061486	0.059653	56071.3	3344.8	7.91	81	0.043871
82	0.068570	0.066297	52726.5	3495.6	7.38	82	0.050063
83	0.078259	0.075312	49230.9	3707.7	6.87	83	0.058144
84	0.088847	0.085068	45523.2	3872.6	6.39	84	0.065726
85	0.099468	0.094756	41650.6	3946.6	5.94	85	0.075416
86	0.112884	0.106853	37704.0	4028.8	5.51	86	0.086400
87	0.127226	0.119617	33675.2	4028.1	5.11	87	0.098721
88	0.143320	0.133736	29647.1	3964.9	4.73	88	0.113032
89	0.161966	0.149832	25682.2	3848.0	4.39	89	0.127605
90	0.174602	0.160583	21834.2	3506.2	4.07	90	0.143203
91	0.194740	0.177460	18328.0	3252.5	3.75	91	0.162372
92	0.219960	0.198166	15075.5	2987.4	3.45	92	0.182906
93	0.246047	0.219094	12088.1	2648.4	3.18	93	0.204409
94	0.271539	0.239079	9439.6	2256.8	2.94	94	0.228734
95	0.307619	0.266612	7182.8	1915.0	2.70	95	0.260071
96	0.340021	0.290614	5267.8	1530.9	2.51	96	0.284786
97	0.374382	0.315351	3736.9	1178.4	2.33	97	0.316110
98	0.392393	0.328034	2558.5	839.3	2.17	98	0.345869
99	0.457733	0.372484	1719.2	640.4	1.98	99	0.387393
100	0.50879	0.40560	1078.8	437.6	1.86	100	0.42093

ears 2016-2018

s, Females

qx	lx	dx	ex
0.003592	100000.0	359.2	83.18
0.000228	99640.8	22.8	82.48
0.000128	99618.1	12.8	81.50
0.000096	99605.3	9.5	80.51
0.000071	99595.8	7.1	79.52
0.000072	99588.7	7.2	78.52
0.000070	99581.5	7.0	77.53
0.000063	99574.5	6.3	76.54
0.000058	99568.2	5.8	75.54
0.000063	99562.4	6.3	74.54
0.000061	99556.1	6.1	73.55
0.000074	99550.0	7.3	72.55
0.000066	99542.7	6.6	71.56
0.000074	99536.2	7.4	70.56
0.000091	99528.7	9.0	69.57
0.000107	99519.7	10.7	68.58
0.000146	99509.0	14.5	67.58
0.000150	99494.5	14.9	66.59
0.000204	99479.5	20.3	65.60
0.000187	99459.2	18.6	64.62
0.000190	99440.6	18.9	63.63
0.000213	99421.7	21.2	62.64
0.000204	99400.5	20.2	61.65
0.000196	99380.2	19.5	60.67
0.000210	99360.7	20.8	59.68
0.000252	99339.9	25.0	58.69
0.000249	99314.9	24.7	57.70
0.000269	99290.1	26.7	56.72
0.000315	99263.4	31.2	55.73
0.000304	99232.2	30.2	54.75
0.000364	99202.0	36.1	53.77
0.000370	99165.9	36.7	52.79
0.000464	99129.2	46.0	51.81
0.000466	99083.2	46.2	50.83
0.000521	99037.0	51.6	49.85
0.000552	98985.5	54.6	48.88
0.000603	98930.9	59.7	47.91
0.000714	98871.2	70.6	46.93
0.000700	98800.6	69.2	45.97
0.000772	98731.4	76.2	45.00
0.000814	98655.2	80.3	44.03
0.000929	98574.8	91.6	43.07
0.001014	98483.2	99.9	42.11
0.001122	98383.4	110.4	41.15
0.001274	98273.0	125.2	40.20
0.001375	98147.8	134.9	39.25
0.001480	98012.8	145.1	38.30
0.001651	97867.7	161.5	37.36
0.001767	97706.2	172.6	36.42
0.001895	97533.5	184.9	35.48

0.002047	97348.7	199.3	34.55
0.002281	97149.4	221.6	33.62
0.002482	96927.8	240.6	32.69
0.002657	96687.2	256.9	31.77
0.002822	96430.3	272.1	30.86
0.003163	96158.2	304.2	29.94
0.003484	95854.0	333.9	29.04
0.003770	95520.0	360.1	28.14
0.004180	95160.0	397.7	27.24
0.004536	94762.2	429.9	26.35
0.004914	94332.4	463.6	25.47
0.005432	93868.8	509.9	24.59
0.006128	93358.9	572.1	23.73
0.006559	92786.8	608.6	22.87
0.007089	92178.2	653.4	22.02
0.007700	91524.8	704.7	21.17
0.008553	90820.1	776.8	20.33
0.009173	90043.3	825.9	19.50
0.010067	89217.3	898.2	18.68
0.010969	88319.2	968.7	17.86
0.012068	87350.4	1054.2	17.06
0.013331	86296.3	1150.4	16.26
0.015463	85145.8	1316.6	15.47
0.016993	83829.2	1424.5	14.71
0.018670	82404.7	1538.5	13.95
0.021376	80866.2	1728.6	13.21
0.024237	79137.7	1918.1	12.48
0.026920	77219.6	2078.8	11.78
0.030324	75140.8	2278.6	11.09
0.033515	72862.3	2442.0	10.43
0.037897	70420.3	2668.7	9.77
0.042929	67751.6	2908.5	9.13
0.048841	64843.1	3167.0	8.52
0.056501	61676.1	3484.8	7.93
0.063635	58191.3	3703.0	7.38
0.072676	54488.3	3960.0	6.85
0.082822	50528.3	4184.9	6.34
0.094077	46343.5	4359.9	5.87
0.106986	41983.6	4491.7	5.43
0.119952	37492.0	4497.2	5.02
0.133634	32994.7	4409.2	4.64
0.150179	28585.5	4292.9	4.27
0.167580	24292.6	4070.9	3.94
0.185455	20221.6	3750.2	3.63
0.205259	16471.4	3380.9	3.35
0.230144	13090.5	3012.7	3.08
0.249289	10077.8	2512.3	2.86
0.272966	7565.5	2065.1	2.64
0.294875	5500.4	1621.9	2.44
0.324532	3878.5	1258.7	2.25
0.34774	2619.8	911	2.1

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004348	0.004338	100000.0	433.8	79.48
1	0.000269	0.000269	99566.2	26.8	78.83
2	0.000142	0.000142	99539.4	14.2	77.85
3	0.000127	0.000127	99525.2	12.6	76.86
4	0.000097	0.000097	99512.6	9.6	75.87
5	0.000093	0.000093	99503.0	9.3	74.88
6	0.000072	0.000072	99493.7	7.1	73.89
7	0.000083	0.000083	99486.6	8.3	72.89
8	0.000066	0.000066	99478.2	6.6	71.90
9	0.000084	0.000084	99471.7	8.3	70.90
10	0.000080	0.000080	99463.3	7.9	69.91
11	0.000088	0.000088	99455.4	8.7	68.91
12	0.000097	0.000097	99446.7	9.6	67.92
13	0.000103	0.000103	99437.0	10.3	66.93
14	0.000118	0.000118	99426.7	11.8	65.93
15	0.000171	0.000171	99415.0	17.0	64.94
16	0.000212	0.000212	99398.0	21.1	63.95
17	0.000285	0.000285	99376.9	28.4	62.96
18	0.000369	0.000368	99348.5	36.6	61.98
19	0.000420	0.000420	99311.9	41.7	61.01
20	0.000473	0.000472	99270.2	46.9	60.03
21	0.000469	0.000469	99223.3	46.6	59.06
22	0.000475	0.000475	99176.8	47.1	58.09
23	0.000499	0.000499	99129.7	49.5	57.11
24	0.000518	0.000518	99080.2	51.3	56.14
25	0.000575	0.000574	99028.9	56.9	55.17
26	0.000530	0.000530	98972.0	52.5	54.20
27	0.000553	0.000553	98919.6	54.7	53.23
28	0.000625	0.000625	98864.9	61.8	52.26
29	0.000615	0.000615	98803.1	60.7	51.29
30	0.000655	0.000655	98742.3	64.7	50.32
31	0.000701	0.000701	98677.6	69.1	49.36
32	0.000839	0.000839	98608.5	82.7	48.39
33	0.000825	0.000825	98525.8	81.3	47.43
34	0.000894	0.000894	98444.5	88.0	46.47
35	0.000952	0.000952	98356.5	93.6	45.51
36	0.001096	0.001095	98262.9	107.6	44.55
37	0.001090	0.001090	98155.3	107.0	43.60
38	0.001156	0.001156	98048.3	113.3	42.65
39	0.001279	0.001278	97935.0	125.2	41.70
40	0.001405	0.001404	97809.8	137.3	40.75
41	0.001593	0.001592	97672.5	155.5	39.81
42	0.001676	0.001675	97517.1	163.3	38.87
43	0.001867	0.001865	97353.7	181.6	37.93
44	0.001987	0.001985	97172.1	192.9	37.00
45	0.002080	0.002078	96979.3	201.5	36.08
46	0.002229	0.002227	96777.8	215.5	35.15
47	0.002608	0.002604	96562.3	251.5	34.23
48	0.002662	0.002659	96310.8	256.1	33.32
49	0.002971	0.002967	96054.7	285.0	32.40

National life table

age	mx
0	0.003541
1	0.000242
2	0.000140
3	0.000101
4	0.000082
5	0.000060
6	0.000071
7	0.000073
8	0.000065
9	0.000061
10	0.000055
11	0.000071
12	0.000074
13	0.000091
14	0.000099
15	0.000123
16	0.000148
17	0.000149
18	0.000210
19	0.000189
20	0.000195
21	0.000196
22	0.000190
23	0.000218
24	0.000204
25	0.000227
26	0.000261
27	0.000263
28	0.000293
29	0.000316
30	0.000362
31	0.000372
32	0.000457
33	0.000466
34	0.000487
35	0.000546
36	0.000623
37	0.000701
38	0.000710
39	0.000773
40	0.000873
41	0.000924
42	0.001037
43	0.001094
44	0.001241
45	0.001372
46	0.001480
47	0.001601
48	0.001709
49	0.001854

50	0.003287	0.003282	95769.7	314.3	31.50	50	0.002047
51	0.003356	0.003350	95455.5	319.8	30.60	51	0.002269
52	0.003647	0.003640	95135.6	346.3	29.70	52	0.002486
53	0.003864	0.003857	94789.3	365.6	28.81	53	0.002712
54	0.004223	0.004214	94423.8	397.9	27.92	54	0.002909
55	0.004775	0.004764	94025.9	447.9	27.03	55	0.003166
56	0.005276	0.005262	93578.0	492.4	26.16	56	0.003473
57	0.005718	0.005702	93085.6	530.8	25.30	57	0.003724
58	0.006207	0.006188	92554.8	572.7	24.44	58	0.004084
59	0.006801	0.006778	91982.1	623.5	23.59	59	0.004607
60	0.007771	0.007741	91358.6	707.2	22.75	60	0.005030
61	0.008373	0.008338	90651.4	755.9	21.92	61	0.005477
62	0.009118	0.009077	89895.5	816.0	21.10	62	0.006125
63	0.010273	0.010221	89079.5	910.4	20.29	63	0.006603
64	0.011218	0.011155	88169.1	983.5	19.49	64	0.007088
65	0.012051	0.011978	87185.6	1044.3	18.71	65	0.007620
66	0.013139	0.013053	86141.2	1124.4	17.93	66	0.008575
67	0.014188	0.014088	85016.8	1197.7	17.16	67	0.009311
68	0.015324	0.015207	83819.1	1274.7	16.40	68	0.010130
69	0.016712	0.016573	82544.5	1368.0	15.64	69	0.011141
70	0.018435	0.018266	81176.4	1482.8	14.90	70	0.012215
71	0.020946	0.020729	79693.6	1652.0	14.16	71	0.013900
72	0.023067	0.022804	78041.7	1779.6	13.45	72	0.015535
73	0.025549	0.025226	76262.0	1923.8	12.76	73	0.017462
74	0.029101	0.028683	74338.2	2132.3	12.07	74	0.019213
75	0.032574	0.032052	72205.9	2314.3	11.41	75	0.021854
76	0.036270	0.035624	69891.6	2489.8	10.78	76	0.025001
77	0.039680	0.038908	67401.8	2622.5	10.16	77	0.026989
78	0.044201	0.043245	64779.3	2801.4	9.55	78	0.030957
79	0.049070	0.047895	61977.9	2968.4	8.96	79	0.034366
80	0.055632	0.054127	59009.5	3194.0	8.38	80	0.039520
81	0.062100	0.060230	55815.5	3361.8	7.83	81	0.044794
82	0.070678	0.068265	52453.7	3580.8	7.30	82	0.051254
83	0.080441	0.077331	48873.0	3779.4	6.80	83	0.059016
84	0.090485	0.086568	45093.6	3903.7	6.33	84	0.067821
85	0.101740	0.096815	41189.9	3987.8	5.88	85	0.076584
86	0.114367	0.108181	37202.1	4024.6	5.46	86	0.087650
87	0.128833	0.121036	33177.5	4015.7	5.06	87	0.100094
88	0.145223	0.135392	29161.8	3948.3	4.69	88	0.114578
89	0.162003	0.149864	25213.6	3778.6	4.34	89	0.130205
90	0.177894	0.163363	21434.9	3501.7	4.02	90	0.145606
91	0.200434	0.182177	17933.3	3267.0	3.71	91	0.163861
92	0.222859	0.200516	14666.2	2940.8	3.42	92	0.185033
93	0.250809	0.222861	11725.4	2613.1	3.15	93	0.206819
94	0.278732	0.244638	9112.3	2229.2	2.91	94	0.233226
95	0.303890	0.263806	6883.1	1815.8	2.69	95	0.256334
96	0.343216	0.292944	5067.3	1484.4	2.48	96	0.291045
97	0.372929	0.314320	3582.8	1126.2	2.30	97	0.316937
98	0.407970	0.338849	2456.7	832.4	2.12	98	0.360965
99	0.454939	0.370632	1624.2	602.0	1.96	99	0.393100
100	0.53175	0.42007	1022.2	429.4	1.82	100	0.42314

ears 2015-2017

s, Females

qx	lx	dx	ex
0.003535	100000.0	353.5	83.10
0.000242	99646.5	24.1	82.40
0.000140	99622.3	13.9	81.42
0.000101	99608.4	10.1	80.43
0.000082	99598.3	8.2	79.44
0.000060	99590.1	6.0	78.44
0.000071	99584.2	7.1	77.45
0.000073	99577.1	7.2	76.45
0.000065	99569.9	6.4	75.46
0.000061	99563.4	6.1	74.46
0.000055	99557.3	5.5	73.47
0.000071	99551.8	7.0	72.47
0.000074	99544.8	7.3	71.48
0.000091	99537.5	9.1	70.48
0.000099	99528.4	9.8	69.49
0.000123	99518.5	12.2	68.49
0.000148	99506.3	14.8	67.50
0.000149	99491.6	14.8	66.51
0.000210	99476.7	20.9	65.52
0.000189	99455.8	18.8	64.54
0.000195	99437.0	19.4	63.55
0.000196	99417.7	19.4	62.56
0.000190	99398.2	18.9	61.57
0.000218	99379.3	21.6	60.58
0.000204	99357.7	20.2	59.60
0.000227	99337.4	22.6	58.61
0.000261	99314.9	25.9	57.62
0.000263	99289.0	26.1	56.64
0.000293	99262.9	29.0	55.65
0.000316	99233.8	31.3	54.67
0.000362	99202.5	35.9	53.69
0.000372	99166.6	36.9	52.71
0.000457	99129.6	45.3	51.72
0.000466	99084.4	46.1	50.75
0.000487	99038.2	48.2	49.77
0.000546	98990.0	54.1	48.80
0.000623	98935.9	61.6	47.82
0.000701	98874.3	69.3	46.85
0.000710	98805.0	70.1	45.88
0.000772	98734.9	76.3	44.92
0.000873	98658.7	86.1	43.95
0.000923	98572.5	91.0	42.99
0.001037	98481.5	102.1	42.03
0.001094	98379.4	107.6	41.07
0.001240	98271.8	121.9	40.12
0.001371	98149.9	134.6	39.16
0.001479	98015.3	145.0	38.22
0.001599	97870.3	156.5	37.27
0.001708	97713.8	166.9	36.33
0.001852	97546.9	180.6	35.39

0.002045	97366.3	199.1	34.46
0.002266	97167.2	220.2	33.53
0.002483	96947.0	240.7	32.60
0.002708	96706.3	261.9	31.68
0.002905	96444.5	280.2	30.77
0.003161	96164.3	304.0	29.86
0.003467	95860.3	332.4	28.95
0.003717	95527.9	355.1	28.05
0.004075	95172.9	387.9	27.15
0.004597	94785.0	435.7	26.26
0.005017	94349.3	473.4	25.38
0.005462	93875.9	512.7	24.50
0.006106	93363.2	570.1	23.64
0.006581	92793.1	610.7	22.78
0.007063	92182.4	651.1	21.93
0.007591	91531.4	694.8	21.08
0.008538	90836.6	775.6	20.24
0.009268	90061.0	834.7	19.41
0.010079	89226.3	899.3	18.58
0.011079	88327.0	978.6	17.77
0.012141	87348.3	1060.5	16.96
0.013805	86287.9	1191.2	16.16
0.015415	85096.7	1311.8	15.38
0.017311	83784.9	1450.4	14.61
0.019030	82334.6	1566.9	13.86
0.021618	80767.7	1746.0	13.12
0.024692	79021.7	1951.2	12.40
0.026630	77070.5	2052.4	11.70
0.030485	75018.1	2286.9	11.01
0.033785	72731.2	2457.2	10.34
0.038755	70274.0	2723.4	9.68
0.043813	67550.5	2959.6	9.05
0.049974	64591.0	3227.8	8.45
0.057325	61363.1	3517.6	7.86
0.065596	57845.5	3794.5	7.31
0.073760	54051.0	3986.8	6.79
0.083970	50064.3	4203.9	6.29
0.095324	45860.4	4371.6	5.82
0.108370	41488.8	4496.1	5.38
0.122246	36992.7	4522.2	4.97
0.135725	32470.4	4407.0	4.60
0.151452	28063.4	4250.3	4.24
0.169364	23813.1	4033.1	3.91
0.187436	19780.0	3707.5	3.60
0.208869	16072.5	3357.1	3.32
0.227213	12715.5	2889.1	3.06
0.254071	9826.4	2496.6	2.82
0.273583	7329.8	2005.3	2.61
0.305778	5324.5	1628.1	2.40
0.328528	3696.4	1214.4	2.24
0.34925	2482	866.8	2.09

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004250	0.004241	100000.0	424.1	79.46
1	0.000309	0.000309	99575.9	30.8	78.79
2	0.000149	0.000149	99545.1	14.8	77.82
3	0.000134	0.000134	99530.3	13.3	76.83
4	0.000091	0.000091	99517.0	9.1	75.84
5	0.000090	0.000090	99507.9	8.9	74.85
6	0.000086	0.000086	99499.0	8.5	73.85
7	0.000084	0.000084	99490.4	8.4	72.86
8	0.000063	0.000063	99482.1	6.2	71.86
9	0.000089	0.000089	99475.8	8.9	70.87
10	0.000097	0.000097	99467.0	9.6	69.88
11	0.000095	0.000095	99457.3	9.5	68.88
12	0.000101	0.000101	99447.9	10.0	67.89
13	0.000102	0.000102	99437.8	10.1	66.90
14	0.000129	0.000129	99427.7	12.8	65.90
15	0.000160	0.000160	99414.9	15.9	64.91
16	0.000208	0.000208	99399.0	20.7	63.92
17	0.000274	0.000274	99378.4	27.2	62.93
18	0.000388	0.000388	99351.1	38.5	61.95
19	0.000439	0.000439	99312.6	43.6	60.98
20	0.000472	0.000471	99269.0	46.8	60.00
21	0.000484	0.000484	99222.2	48.0	59.03
22	0.000476	0.000476	99174.3	47.2	58.06
23	0.000539	0.000539	99127.0	53.4	57.09
24	0.000538	0.000538	99073.6	53.3	56.12
25	0.000547	0.000547	99020.4	54.1	55.15
26	0.000580	0.000580	98966.2	57.4	54.18
27	0.000581	0.000581	98908.8	57.5	53.21
28	0.000634	0.000634	98851.3	62.7	52.24
29	0.000634	0.000634	98788.7	62.7	51.27
30	0.000700	0.000700	98726.0	69.1	50.30
31	0.000708	0.000707	98656.9	69.8	49.34
32	0.000836	0.000836	98587.1	82.4	48.37
33	0.000828	0.000828	98504.7	81.6	47.41
34	0.000897	0.000897	98423.2	88.3	46.45
35	0.000959	0.000958	98334.9	94.2	45.49
36	0.001046	0.001045	98240.7	102.7	44.54
37	0.001043	0.001043	98138.0	102.3	43.58
38	0.001238	0.001237	98035.7	121.3	42.63
39	0.001286	0.001285	97914.5	125.8	41.68
40	0.001450	0.001449	97788.6	141.7	40.73
41	0.001587	0.001586	97646.9	154.8	39.79
42	0.001618	0.001617	97492.1	157.6	38.85
43	0.001823	0.001822	97334.5	177.3	37.91
44	0.002006	0.002004	97157.2	194.7	36.98
45	0.002124	0.002122	96962.5	205.7	36.06
46	0.002282	0.002279	96756.8	220.5	35.13
47	0.002547	0.002544	96536.2	245.6	34.21
48	0.002598	0.002594	96290.6	249.8	33.30
49	0.002896	0.002892	96040.8	277.8	32.38

National life table

age	mx
0	0.003557
1	0.000260
2	0.000140
3	0.000111
4	0.000082
5	0.000061
6	0.000075
7	0.000081
8	0.000060
9	0.000073
10	0.000063
11	0.000060
12	0.000063
13	0.000103
14	0.000114
15	0.000137
16	0.000156
17	0.000149
18	0.000213
19	0.000199
20	0.000199
21	0.000202
22	0.000214
23	0.000227
24	0.000220
25	0.000239
26	0.000263
27	0.000256
28	0.000313
29	0.000345
30	0.000369
31	0.000383
32	0.000449
33	0.000470
34	0.000513
35	0.000546
36	0.000626
37	0.000665
38	0.000754
39	0.000766
40	0.000891
41	0.000919
42	0.001059
43	0.001116
44	0.001228
45	0.001405
46	0.001480
47	0.001580
48	0.001704
49	0.001812

50	0.003230	0.003225	95763.0	308.8	31.47	50	0.002045
51	0.003366	0.003361	95454.2	320.8	30.57	51	0.002244
52	0.003581	0.003575	95133.5	340.1	29.68	52	0.002457
53	0.003929	0.003921	94793.4	371.7	28.78	53	0.002688
54	0.004247	0.004238	94421.7	400.1	27.89	54	0.002928
55	0.004836	0.004825	94021.6	453.6	27.01	55	0.003220
56	0.005216	0.005202	93567.9	486.7	26.14	56	0.003479
57	0.005654	0.005638	93081.2	524.8	25.27	57	0.003807
58	0.006342	0.006322	92556.4	585.2	24.41	58	0.004087
59	0.006916	0.006892	91971.2	633.9	23.56	59	0.004651
60	0.007790	0.007760	91337.3	708.8	22.72	60	0.005116
61	0.008470	0.008434	90628.6	764.3	21.90	61	0.005518
62	0.009239	0.009197	89864.2	826.4	21.08	62	0.006103
63	0.010261	0.010209	89037.8	909.0	20.27	63	0.006636
64	0.011256	0.011193	88128.8	986.4	19.47	64	0.007116
65	0.012046	0.011974	87142.4	1043.5	18.69	65	0.007653
66	0.012950	0.012866	86098.9	1107.8	17.91	66	0.008462
67	0.013919	0.013822	84991.1	1174.8	17.14	67	0.009059
68	0.015447	0.015328	83816.3	1284.8	16.37	68	0.010311
69	0.016967	0.016825	82531.6	1388.6	15.62	69	0.011145
70	0.018914	0.018737	81143.0	1520.4	14.88	70	0.012623
71	0.021185	0.020963	79622.6	1669.1	14.15	71	0.014058
72	0.023306	0.023037	77953.5	1795.8	13.44	72	0.015653
73	0.025803	0.025474	76157.7	1940.0	12.75	73	0.017590
74	0.029594	0.029163	74217.6	2164.4	12.07	74	0.019635
75	0.032785	0.032256	72053.3	2324.2	11.42	75	0.021887
76	0.035769	0.035140	69729.1	2450.3	10.78	76	0.024687
77	0.039608	0.038838	67278.8	2613.0	10.15	77	0.027100
78	0.044327	0.043366	64665.8	2804.3	9.54	78	0.030440
79	0.049124	0.047946	61861.5	2966.0	8.95	79	0.034386
80	0.056059	0.054531	58895.5	3211.6	8.38	80	0.039667
81	0.062376	0.060489	55683.9	3368.3	7.83	81	0.045172
82	0.071072	0.068633	52315.6	3590.6	7.31	82	0.051316
83	0.080860	0.077718	48725.0	3786.8	6.81	83	0.058952
84	0.090145	0.086258	44938.2	3876.3	6.34	84	0.067411
85	0.102330	0.097349	41062.0	3997.3	5.89	85	0.076054
86	0.114436	0.108242	37064.6	4012.0	5.47	86	0.087036
87	0.128680	0.120902	33052.7	3996.1	5.08	87	0.100053
88	0.145763	0.135861	29056.5	3947.7	4.70	88	0.112621
89	0.161850	0.149733	25108.9	3759.6	4.37	89	0.128888
90	0.177929	0.163393	21349.3	3488.3	4.05	90	0.144790
91	0.196726	0.179109	17860.9	3199.0	3.74	91	0.160454
92	0.221935	0.199767	14661.9	2929.0	3.45	92	0.182069
93	0.250336	0.222488	11732.9	2610.4	3.18	93	0.203182
94	0.270959	0.238630	9122.5	2176.9	2.95	94	0.224481
95	0.303067	0.263185	6945.6	1828.0	2.72	95	0.253112
96	0.336975	0.288386	5117.6	1475.8	2.51	96	0.284547
97	0.376303	0.316713	3641.8	1153.4	2.32	97	0.320908
98	0.415495	0.344025	2488.4	856.1	2.16	98	0.348669
99	0.434346	0.356848	1632.3	582.5	2.03	99	0.378817
100	0.49938	0.39960	1049.8	419.5	1.89	100	0.40583

ears 2014-2016

s, Females

qx	lx	dx	ex
0.003551	100000.0	355.1	83.10
0.000260	99644.9	25.9	82.39
0.000140	99619.0	14.0	81.41
0.000111	99605.0	11.1	80.43
0.000082	99593.9	8.2	79.43
0.000061	99585.8	6.1	78.44
0.000075	99579.7	7.5	77.45
0.000081	99572.2	8.1	76.45
0.000060	99564.1	5.9	75.46
0.000073	99558.2	7.3	74.46
0.000063	99550.9	6.3	73.47
0.000060	99544.6	5.9	72.47
0.000063	99538.6	6.3	71.48
0.000103	99532.3	10.2	70.48
0.000114	99522.1	11.4	69.49
0.000137	99510.7	13.6	68.50
0.000156	99497.1	15.5	67.51
0.000149	99481.6	14.8	66.52
0.000213	99466.8	21.1	65.53
0.000199	99445.6	19.7	64.54
0.000199	99425.9	19.8	63.55
0.000202	99406.1	20.1	62.56
0.000214	99386.0	21.3	61.58
0.000227	99364.7	22.6	60.59
0.000220	99342.1	21.8	59.60
0.000239	99320.3	23.8	58.62
0.000263	99296.5	26.1	57.63
0.000256	99270.4	25.4	56.65
0.000313	99245.0	31.0	55.66
0.000345	99213.9	34.2	54.68
0.000369	99179.7	36.6	53.70
0.000383	99143.1	37.9	52.72
0.000448	99105.2	44.4	51.74
0.000470	99060.8	46.5	50.76
0.000513	99014.2	50.8	49.78
0.000546	98963.5	54.0	48.81
0.000626	98909.4	61.9	47.83
0.000665	98847.5	65.8	46.86
0.000754	98781.7	74.5	45.89
0.000766	98707.2	75.6	44.93
0.000891	98631.6	87.9	43.96
0.000918	98543.8	90.5	43.00
0.001058	98453.3	104.2	42.04
0.001115	98349.1	109.7	41.08
0.001228	98239.4	120.6	40.13
0.001404	98118.8	137.8	39.18
0.001479	97981.0	144.9	38.23
0.001578	97836.1	154.4	37.29
0.001703	97681.7	166.4	36.35
0.001810	97515.3	176.5	35.41

0.002043	97338.8	198.9	34.47
0.002242	97139.9	217.7	33.54
0.002454	96922.1	237.8	32.62
0.002684	96684.3	259.5	31.69
0.002924	96424.8	281.9	30.78
0.003214	96142.8	309.0	29.87
0.003473	95833.8	332.9	28.96
0.003800	95500.9	362.9	28.06
0.004079	95138.0	388.1	27.17
0.004640	94749.9	439.7	26.28
0.005103	94310.3	481.3	25.40
0.005503	93829.0	516.3	24.52
0.006084	93312.7	567.7	23.66
0.006614	92744.9	613.4	22.80
0.007090	92131.6	653.2	21.95
0.007623	91478.3	697.4	21.10
0.008426	90780.9	764.9	20.26
0.009018	90016.0	811.8	19.43
0.010258	89204.3	915.1	18.60
0.011083	88289.2	978.6	17.79
0.012544	87310.6	1095.2	16.98
0.013960	86215.4	1203.5	16.19
0.015531	85011.9	1320.3	15.41
0.017436	83691.6	1459.3	14.65
0.019444	82232.3	1598.9	13.90
0.021650	80633.4	1745.7	13.16
0.024386	78887.6	1923.8	12.44
0.026737	76963.9	2057.8	11.74
0.029984	74906.1	2246.0	11.05
0.033805	72660.1	2456.3	10.38
0.038896	70203.8	2730.6	9.72
0.044175	67473.1	2980.6	9.10
0.050033	64492.5	3226.7	8.49
0.057264	61265.8	3508.3	7.91
0.065213	57757.5	3766.5	7.36
0.073268	53991.0	3955.8	6.84
0.083406	50035.2	4173.2	6.34
0.095286	45861.9	4370.0	5.88
0.106618	41491.9	4423.8	5.44
0.121084	37068.2	4488.4	5.03
0.135015	32579.8	4398.8	4.66
0.148537	28181.0	4185.9	4.31
0.166877	23995.1	4004.2	3.97
0.184444	19990.9	3687.2	3.66
0.201827	16303.7	3290.5	3.38
0.224678	13013.1	2923.8	3.11
0.249106	10089.4	2513.3	2.86
0.276537	7576.0	2095.1	2.65
0.296908	5481.0	1627.3	2.47
0.318492	3853.6	1227.4	2.30
0.33738	2626.3	886	2.14

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004316	0.004306	100000.0	430.6	79.37
1	0.000328	0.000328	99569.4	32.7	78.71
2	0.000167	0.000167	99536.7	16.6	77.74
3	0.000126	0.000126	99520.1	12.6	76.75
4	0.000100	0.000100	99507.5	10.0	75.76
5	0.000087	0.000087	99497.6	8.7	74.77
6	0.000091	0.000091	99488.9	9.1	73.78
7	0.000096	0.000096	99479.8	9.5	72.78
8	0.000066	0.000066	99470.3	6.6	71.79
9	0.000089	0.000089	99463.7	8.8	70.80
10	0.000101	0.000101	99454.9	10.1	69.80
11	0.000088	0.000088	99444.8	8.8	68.81
12	0.000103	0.000103	99436.0	10.3	67.81
13	0.000108	0.000108	99425.7	10.7	66.82
14	0.000125	0.000125	99415.0	12.4	65.83
15	0.000157	0.000157	99402.6	15.6	64.84
16	0.000211	0.000211	99387.0	21.0	63.85
17	0.000278	0.000278	99366.0	27.6	62.86
18	0.000398	0.000397	99338.4	39.5	61.88
19	0.000458	0.000458	99298.9	45.4	60.90
20	0.000446	0.000446	99253.4	44.2	59.93
21	0.000460	0.000460	99209.2	45.6	58.96
22	0.000447	0.000447	99163.6	44.3	57.98
23	0.000534	0.000534	99119.2	52.9	57.01
24	0.000530	0.000530	99066.4	52.5	56.04
25	0.000546	0.000546	99013.9	54.0	55.07
26	0.000577	0.000577	98959.9	57.1	54.10
27	0.000598	0.000598	98902.8	59.1	53.13
28	0.000594	0.000594	98843.7	58.7	52.16
29	0.000626	0.000626	98784.9	61.8	51.19
30	0.000677	0.000676	98723.1	66.8	50.22
31	0.000712	0.000712	98656.4	70.2	49.26
32	0.000809	0.000808	98586.2	79.7	48.29
33	0.000806	0.000806	98506.5	79.4	47.33
34	0.000884	0.000883	98427.0	86.9	46.37
35	0.000960	0.000960	98340.1	94.4	45.41
36	0.001026	0.001026	98245.8	100.8	44.45
37	0.001101	0.001100	98145.0	108.0	43.50
38	0.001284	0.001283	98037.0	125.8	42.54
39	0.001327	0.001326	97911.2	129.8	41.60
40	0.001460	0.001459	97781.4	142.6	40.65
41	0.001590	0.001589	97638.8	155.1	39.71
42	0.001669	0.001668	97483.7	162.6	38.77
43	0.001777	0.001776	97321.1	172.8	37.84
44	0.001922	0.001920	97148.3	186.5	36.90
45	0.002188	0.002185	96961.7	211.9	35.97
46	0.002249	0.002247	96749.9	217.4	35.05
47	0.002466	0.002463	96532.5	237.7	34.13
48	0.002531	0.002527	96294.7	243.4	33.21
49	0.002902	0.002897	96051.4	278.3	32.30

National life table

age	mx
0	0.003511
1	0.000266
2	0.000131
3	0.000122
4	0.000083
5	0.000075
6	0.000078
7	0.000083
8	0.000074
9	0.000071
10	0.000072
11	0.000056
12	0.000063
13	0.000102
14	0.000117
15	0.000134
16	0.000154
17	0.000141
18	0.000205
19	0.000196
20	0.000198
21	0.000192
22	0.000216
23	0.000230
24	0.000213
25	0.000237
26	0.000267
27	0.000257
28	0.000313
29	0.000335
30	0.000357
31	0.000385
32	0.000424
33	0.000452
34	0.000508
35	0.000553
36	0.000622
37	0.000647
38	0.000738
39	0.000802
40	0.000875
41	0.000929
42	0.001043
43	0.001115
44	0.001237
45	0.001346
46	0.001424
47	0.001577
48	0.001673
49	0.001841

50	0.003130	0.003125	95773.1	299.3	31.39	50	0.002048
51	0.003371	0.003366	95473.7	321.3	30.48	51	0.002203
52	0.003564	0.003558	95152.4	338.5	29.59	52	0.002437
53	0.003939	0.003932	94813.9	372.8	28.69	53	0.002700
54	0.004340	0.004331	94441.2	409.0	27.80	54	0.002902
55	0.004727	0.004716	94032.1	443.4	26.92	55	0.003230
56	0.005185	0.005171	93588.7	484.0	26.05	56	0.003450
57	0.005830	0.005813	93104.8	541.2	25.18	57	0.003832
58	0.006402	0.006381	92563.6	590.7	24.32	58	0.004111
59	0.007093	0.007068	91972.9	650.1	23.48	59	0.004531
60	0.007880	0.007849	91322.8	716.8	22.64	60	0.005108
61	0.008505	0.008469	90606.0	767.3	21.81	61	0.005567
62	0.009397	0.009353	89838.7	840.2	21.00	62	0.006003
63	0.010246	0.010194	88998.4	907.2	20.19	63	0.006669
64	0.011293	0.011229	88091.2	989.2	19.39	64	0.007071
65	0.012031	0.011959	87102.0	1041.7	18.61	65	0.007695
66	0.012754	0.012673	86060.3	1090.7	17.83	66	0.008192
67	0.014023	0.013925	84969.6	1183.2	17.05	67	0.009190
68	0.015487	0.015368	83786.4	1287.6	16.28	68	0.010436
69	0.017358	0.017208	82498.8	1419.7	15.53	69	0.011276
70	0.019126	0.018945	81079.1	1536.0	14.79	70	0.012672
71	0.021076	0.020857	79543.1	1659.0	14.07	71	0.013942
72	0.024196	0.023907	77884.1	1862.0	13.36	72	0.015664
73	0.026518	0.026171	76022.1	1989.6	12.67	73	0.017816
74	0.030021	0.029577	74032.5	2189.7	12.00	74	0.019957
75	0.032776	0.032247	71842.9	2316.7	11.35	75	0.022000
76	0.036290	0.035644	69526.1	2478.2	10.71	76	0.024647
77	0.039640	0.038869	67048.0	2606.1	10.09	77	0.027227
78	0.044714	0.043736	64441.9	2818.4	9.48	78	0.030462
79	0.049462	0.048268	61623.4	2974.5	8.89	79	0.035076
80	0.057020	0.055440	58649.0	3251.5	8.31	80	0.040387
81	0.063507	0.061553	55397.5	3409.9	7.77	81	0.045942
82	0.072755	0.070201	51987.6	3649.6	7.25	82	0.052068
83	0.081666	0.078462	48338.0	3792.7	6.76	83	0.059181
84	0.091003	0.087042	44545.3	3877.3	6.29	84	0.068840
85	0.104131	0.098977	40668.0	4025.2	5.84	85	0.077301
86	0.116032	0.109670	36642.8	4018.6	5.43	86	0.087771
87	0.129938	0.122011	32624.2	3980.5	5.03	87	0.100792
88	0.147016	0.136949	28643.7	3922.7	4.66	88	0.112814
89	0.163727	0.151338	24721.0	3741.2	4.33	89	0.129747
90	0.180429	0.165498	20979.7	3472.1	4.01	90	0.145801
91	0.200915	0.182574	17507.6	3196.4	3.70	91	0.162211
92	0.226761	0.203669	14311.2	2914.7	3.42	92	0.183957
93	0.247742	0.220436	11396.4	2512.2	3.17	93	0.203170
94	0.274034	0.241011	8884.3	2141.2	2.92	94	0.230400
95	0.305718	0.265182	6743.0	1788.1	2.69	95	0.255547
96	0.350493	0.298230	4954.9	1477.7	2.48	96	0.297565
97	0.378511	0.318276	3477.2	1106.7	2.32	97	0.318391
98	0.416736	0.344875	2370.5	817.5	2.16	98	0.348672
99	0.439398	0.360251	1553.0	559.5	2.04	99	0.385052
100	0.48816	0.39238	993.5	389.8	1.91	100	0.41331

ears 2013-2015

s, Females

qx	lx	dx	ex
0.003505	100000.0	350.5	83.06
0.000266	99649.5	26.5	82.35
0.000131	99623.0	13.0	81.37
0.000122	99610.0	12.1	80.38
0.000083	99597.9	8.3	79.39
0.000075	99589.6	7.5	78.40
0.000078	99582.1	7.8	77.40
0.000083	99574.3	8.2	76.41
0.000074	99566.1	7.3	75.42
0.000071	99558.7	7.1	74.42
0.000072	99551.6	7.2	73.43
0.000056	99544.4	5.5	72.43
0.000063	99538.9	6.3	71.44
0.000102	99532.6	10.2	70.44
0.000117	99522.4	11.6	69.45
0.000134	99510.8	13.3	68.46
0.000154	99497.5	15.4	67.47
0.000141	99482.2	14.0	66.48
0.000205	99468.2	20.4	65.48
0.000196	99447.8	19.5	64.50
0.000198	99428.3	19.7	63.51
0.000192	99408.6	19.1	62.52
0.000216	99389.5	21.5	61.54
0.000230	99368.0	22.8	60.55
0.000213	99345.2	21.2	59.56
0.000237	99324.0	23.6	58.57
0.000267	99300.4	26.6	57.59
0.000257	99273.9	25.5	56.60
0.000313	99248.4	31.1	55.62
0.000335	99217.3	33.2	54.64
0.000357	99184.1	35.4	53.65
0.000384	99148.7	38.1	52.67
0.000424	99110.6	42.0	51.69
0.000452	99068.6	44.7	50.71
0.000508	99023.8	50.3	49.74
0.000552	98973.6	54.7	48.76
0.000622	98918.9	61.6	47.79
0.000647	98857.3	63.9	46.82
0.000738	98793.4	72.9	45.85
0.000802	98720.5	79.2	44.88
0.000874	98641.3	86.2	43.92
0.000929	98555.1	91.5	42.96
0.001043	98463.5	102.7	41.99
0.001114	98360.9	109.6	41.04
0.001236	98251.3	121.5	40.08
0.001345	98129.8	132.0	39.13
0.001423	97997.9	139.5	38.18
0.001575	97858.4	154.2	37.24
0.001671	97704.2	163.3	36.30
0.001839	97540.9	179.4	35.36

0.002046	97361.6	199.2	34.42
0.002201	97162.3	213.8	33.49
0.002434	96948.5	236.0	32.56
0.002696	96712.5	260.7	31.64
0.002897	96451.8	279.5	30.72
0.003225	96172.3	310.1	29.81
0.003444	95862.2	330.1	28.91
0.003825	95532.1	365.4	28.01
0.004102	95166.7	390.4	27.11
0.004521	94776.3	428.4	26.22
0.005095	94347.9	480.7	25.34
0.005552	93867.1	521.1	24.46
0.005985	93346.0	558.7	23.60
0.006647	92787.3	616.8	22.74
0.007046	92170.5	649.5	21.89
0.007665	91521.1	701.5	21.04
0.008159	90819.6	741.0	20.20
0.009148	90078.6	824.1	19.36
0.010382	89254.5	926.6	18.53
0.011212	88327.9	990.4	17.72
0.012592	87337.5	1099.8	16.92
0.013846	86237.8	1194.0	16.13
0.015542	85043.7	1321.8	15.35
0.017659	83722.0	1478.4	14.58
0.019759	82243.5	1625.1	13.83
0.021760	80618.5	1754.3	13.10
0.024347	78864.2	1920.1	12.38
0.026861	76944.0	2066.8	11.68
0.030005	74877.2	2246.7	10.99
0.034472	72630.6	2503.7	10.31
0.039587	70126.9	2776.1	9.66
0.044911	67350.7	3024.8	9.04
0.050747	64326.0	3264.4	8.44
0.057480	61061.6	3509.8	7.87
0.066550	57551.8	3830.0	7.32
0.074425	53721.8	3998.2	6.80
0.084081	49723.5	4180.8	6.31
0.095956	45542.7	4370.1	5.84
0.106790	41172.6	4396.8	5.41
0.121843	36775.8	4480.9	5.00
0.135894	32294.9	4388.7	4.62
0.150042	27906.2	4187.1	4.27
0.168462	23719.1	3995.8	3.93
0.184434	19723.4	3637.7	3.63
0.206600	16085.7	3323.3	3.33
0.226594	12762.4	2891.9	3.07
0.259027	9870.5	2556.7	2.83
0.274666	7313.8	2008.8	2.64
0.296910	5304.9	1575.1	2.45
0.322888	3729.9	1204.3	2.27
0.34252	2525.5	865.1	2.12

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004383	0.004373	100000.0	437.3	79.35
1	0.000343	0.000343	99562.7	34.2	78.70
2	0.000173	0.000173	99528.5	17.2	77.72
3	0.000122	0.000122	99511.3	12.1	76.74
4	0.000098	0.000098	99499.2	9.8	75.75
5	0.000099	0.000099	99489.4	9.8	74.75
6	0.000092	0.000092	99479.6	9.2	73.76
7	0.000089	0.000089	99470.5	8.9	72.77
8	0.000078	0.000078	99461.6	7.7	71.77
9	0.000088	0.000088	99453.9	8.7	70.78
10	0.000095	0.000095	99445.1	9.5	69.78
11	0.000089	0.000089	99435.7	8.9	68.79
12	0.000109	0.000109	99426.8	10.9	67.80
13	0.000109	0.000109	99415.9	10.8	66.80
14	0.000126	0.000126	99405.1	12.5	65.81
15	0.000143	0.000143	99392.6	14.2	64.82
16	0.000207	0.000207	99378.4	20.6	63.83
17	0.000291	0.000291	99357.8	28.9	62.84
18	0.000437	0.000437	99328.9	43.4	61.86
19	0.000451	0.000451	99285.5	44.8	60.89
20	0.000438	0.000438	99240.7	43.5	59.91
21	0.000447	0.000447	99197.2	44.3	58.94
22	0.000444	0.000443	99153.0	44.0	57.97
23	0.000531	0.000531	99109.0	52.7	56.99
24	0.000503	0.000502	99056.3	49.8	56.02
25	0.000509	0.000509	99006.6	50.4	55.05
26	0.000589	0.000589	98956.1	58.3	54.08
27	0.000588	0.000587	98897.9	58.1	53.11
28	0.000585	0.000585	98839.8	57.8	52.14
29	0.000646	0.000646	98782.0	63.8	51.17
30	0.000707	0.000706	98718.2	69.7	50.20
31	0.000743	0.000743	98648.4	73.3	49.24
32	0.000737	0.000737	98575.2	72.6	48.27
33	0.000802	0.000801	98502.6	78.9	47.31
34	0.000841	0.000840	98423.6	82.7	46.35
35	0.000951	0.000951	98340.9	93.5	45.39
36	0.000972	0.000971	98247.4	95.4	44.43
37	0.001104	0.001103	98152.0	108.3	43.47
38	0.001248	0.001247	98043.7	122.2	42.52
39	0.001323	0.001322	97921.5	129.5	41.57
40	0.001476	0.001475	97792.0	144.2	40.63
41	0.001555	0.001554	97647.7	151.8	39.69
42	0.001606	0.001605	97496.0	156.4	38.75
43	0.001801	0.001800	97339.5	175.2	37.81
44	0.001938	0.001936	97164.3	188.1	36.87
45	0.002183	0.002180	96976.2	211.4	35.95
46	0.002241	0.002239	96764.8	216.7	35.02
47	0.002413	0.002410	96548.1	232.7	34.10
48	0.002538	0.002535	96315.4	244.1	33.18
49	0.002849	0.002845	96071.3	273.3	32.26

National life table

age	mx
0	0.003616
1	0.000263
2	0.000129
3	0.000124
4	0.000088
5	0.000086
6	0.000085
7	0.000082
8	0.000067
9	0.000072
10	0.000080
11	0.000057
12	0.000073
13	0.000086
14	0.000111
15	0.000117
16	0.000143
17	0.000147
18	0.000183
19	0.000182
20	0.000195
21	0.000210
22	0.000206
23	0.000215
24	0.000213
25	0.000242
26	0.000240
27	0.000262
28	0.000338
29	0.000306
30	0.000345
31	0.000396
32	0.000409
33	0.000452
34	0.000515
35	0.000548
36	0.000583
37	0.000628
38	0.000705
39	0.000805
40	0.000848
41	0.000923
42	0.001016
43	0.001118
44	0.001230
45	0.001340
46	0.001386
47	0.001607
48	0.001662
49	0.001849

50	0.002989	0.002984	95797.9	285.9	31.36	50	0.002053
51	0.003363	0.003357	95512.1	320.7	30.45	51	0.002237
52	0.003547	0.003541	95191.4	337.1	29.55	52	0.002490
53	0.003979	0.003972	94854.3	376.7	28.65	53	0.002671
54	0.004383	0.004373	94477.6	413.2	27.76	54	0.002892
55	0.004693	0.004682	94064.4	440.5	26.88	55	0.003313
56	0.005136	0.005123	93624.0	479.6	26.01	56	0.003496
57	0.005805	0.005788	93144.4	539.1	25.14	57	0.003893
58	0.006436	0.006415	92605.2	594.1	24.28	58	0.004239
59	0.007256	0.007230	92011.2	665.2	23.44	59	0.004663
60	0.007825	0.007794	91346.0	712.0	22.60	60	0.005061
61	0.008584	0.008547	90634.0	774.7	21.78	61	0.005632
62	0.009478	0.009434	89859.3	847.7	20.96	62	0.006101
63	0.010095	0.010044	89011.6	894.0	20.16	63	0.006608
64	0.011174	0.011112	88117.6	979.2	19.35	64	0.007132
65	0.011821	0.011751	87138.4	1024.0	18.57	65	0.007698
66	0.012864	0.012782	86114.4	1100.7	17.78	66	0.008288
67	0.014319	0.014218	85013.7	1208.7	17.01	67	0.009399
68	0.015742	0.015619	83805.1	1309.0	16.24	68	0.010448
69	0.017672	0.017517	82496.1	1445.1	15.49	69	0.011374
70	0.019360	0.019174	81051.0	1554.1	14.76	70	0.012742
71	0.021701	0.021468	79496.9	1706.6	14.04	71	0.014053
72	0.024767	0.024464	77790.2	1903.1	13.34	72	0.016085
73	0.026878	0.026521	75887.2	2012.6	12.66	73	0.017835
74	0.029728	0.029292	73874.5	2163.9	11.99	74	0.019818
75	0.032908	0.032375	71710.6	2321.6	11.34	75	0.022065
76	0.036389	0.035739	69389.0	2479.9	10.70	76	0.024632
77	0.039824	0.039046	66909.1	2612.5	10.08	77	0.027566
78	0.045402	0.044394	64296.5	2854.4	9.47	78	0.030727
79	0.049823	0.048612	61442.1	2986.8	8.88	79	0.035335
80	0.056963	0.055385	58455.3	3237.6	8.31	80	0.040595
81	0.064340	0.062335	55217.8	3442.0	7.77	81	0.045800
82	0.072810	0.070252	51775.8	3637.4	7.25	82	0.051752
83	0.082028	0.078796	48138.4	3793.1	6.76	83	0.059294
84	0.091541	0.087535	44345.3	3881.8	6.30	84	0.068807
85	0.103664	0.098556	40463.5	3987.9	5.85	85	0.077328
86	0.116761	0.110320	36475.6	4024.0	5.44	86	0.087863
87	0.130446	0.122459	32451.6	3974.0	5.05	87	0.099480
88	0.146379	0.136396	28477.6	3884.2	4.69	88	0.111630
89	0.163635	0.151260	24593.4	3720.0	4.35	89	0.128760
90	0.179616	0.164814	20873.4	3440.2	4.03	90	0.144410
91	0.199393	0.181317	17433.2	3160.9	3.73	91	0.161525
92	0.222928	0.200571	14272.2	2862.6	3.45	92	0.179445
93	0.247368	0.220140	11409.6	2511.7	3.18	93	0.200956
94	0.263569	0.232879	8897.9	2072.1	2.94	94	0.223733
95	0.317281	0.273839	6825.8	1869.2	2.68	95	0.258351
96	0.348991	0.297141	4956.6	1472.8	2.51	96	0.290755
97	0.377483	0.317548	3483.8	1106.3	2.35	97	0.307816
98	0.412113	0.341703	2377.5	812.4	2.22	98	0.340861
99	0.439707	0.360459	1565.1	564.2	2.11	99	0.378612
100	0.45689	0.37193	1001	372.3	2.01	100	0.40504

ears 2012-2014

s, Females

qx	lx	dx	ex
0.003610	100000.0	361.0	83.05
0.000263	99639.0	26.2	82.35
0.000129	99612.8	12.8	81.37
0.000124	99600.0	12.3	80.38
0.000088	99587.7	8.8	79.39
0.000086	99578.9	8.6	78.40
0.000085	99570.4	8.5	77.40
0.000082	99561.9	8.1	76.41
0.000067	99553.8	6.7	75.42
0.000072	99547.1	7.1	74.42
0.000080	99540.0	8.0	73.43
0.000057	99532.0	5.7	72.43
0.000073	99526.3	7.3	71.44
0.000086	99519.0	8.5	70.44
0.000111	99510.5	11.1	69.45
0.000117	99499.4	11.7	68.46
0.000143	99487.7	14.2	67.46
0.000147	99473.5	14.6	66.47
0.000183	99458.9	18.2	65.48
0.000182	99440.7	18.1	64.50
0.000195	99422.6	19.4	63.51
0.000210	99403.2	20.8	62.52
0.000206	99382.4	20.5	61.53
0.000215	99361.9	21.4	60.54
0.000213	99340.5	21.2	59.56
0.000242	99319.3	24.0	58.57
0.000240	99295.3	23.8	57.58
0.000262	99271.5	26.0	56.60
0.000338	99245.5	33.5	55.61
0.000306	99211.9	30.3	54.63
0.000345	99181.6	34.2	53.65
0.000396	99147.4	39.2	52.67
0.000408	99108.2	40.5	51.69
0.000452	99067.7	44.8	50.71
0.000515	99022.9	51.0	49.73
0.000548	98971.9	54.2	48.76
0.000583	98917.7	57.7	47.78
0.000628	98860.0	62.1	46.81
0.000705	98797.9	69.7	45.84
0.000805	98728.2	79.5	44.87
0.000848	98648.8	83.7	43.91
0.000922	98565.1	90.9	42.94
0.001016	98474.2	100.0	41.98
0.001117	98374.2	109.9	41.03
0.001229	98264.3	120.8	40.07
0.001339	98143.5	131.5	39.12
0.001385	98012.0	135.7	38.17
0.001606	97876.3	157.2	37.22
0.001660	97719.1	162.2	36.28
0.001847	97556.9	180.2	35.34

0.002051	97376.7	199.7	34.41
0.002235	97177.0	217.2	33.48
0.002486	96959.8	241.1	32.55
0.002667	96718.7	258.0	31.63
0.002888	96460.8	278.6	30.71
0.003307	96182.2	318.1	29.80
0.003490	95864.1	334.6	28.90
0.003886	95529.5	371.2	28.00
0.004230	95158.3	402.5	27.10
0.004652	94755.8	440.8	26.22
0.005048	94314.9	476.1	25.34
0.005616	93838.8	527.0	24.46
0.006083	93311.8	567.6	23.60
0.006586	92744.2	610.8	22.74
0.007106	92133.3	654.7	21.89
0.007668	91478.6	701.5	21.04
0.008254	90777.1	749.3	20.20
0.009355	90027.8	842.2	19.36
0.010394	89185.6	927.0	18.54
0.011309	88258.6	998.1	17.73
0.012662	87260.5	1104.9	16.93
0.013955	86155.6	1202.3	16.14
0.015957	84953.3	1355.6	15.36
0.017677	83597.7	1477.8	14.60
0.019624	82119.9	1611.5	13.85
0.021825	80508.4	1757.1	13.12
0.024332	78751.4	1916.2	12.40
0.027192	76835.2	2089.3	11.70
0.030262	74745.9	2262.0	11.01
0.034721	72483.9	2516.7	10.34
0.039788	69967.2	2783.8	9.70
0.044774	67183.4	3008.1	9.08
0.050447	64175.3	3237.4	8.48
0.057587	60937.8	3509.2	7.90
0.066519	57428.6	3820.1	7.36
0.074450	53608.5	3991.1	6.84
0.084165	49617.4	4176.1	6.35
0.094766	45441.3	4306.3	5.89
0.105729	41135.0	4349.2	5.46
0.120972	36785.9	4450.0	5.04
0.134685	32335.8	4355.2	4.67
0.149454	27980.7	4181.8	4.32
0.164671	23798.8	3919.0	3.99
0.182608	19879.9	3630.2	3.67
0.201223	16249.6	3269.8	3.38
0.228796	12979.8	2969.7	3.11
0.253851	10010.1	2541.1	2.88
0.266760	7469.0	1992.4	2.70
0.291227	5476.6	1594.9	2.49
0.318347	3881.7	1235.7	2.31
0.33682	2645.9	891.2	2.16

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004687	0.004676	100000.0	467.6	79.21
1	0.000341	0.000341	99532.4	34.0	78.58
2	0.000187	0.000187	99498.5	18.6	77.61
3	0.000113	0.000113	99479.8	11.2	76.62
4	0.000109	0.000109	99468.6	10.8	75.63
5	0.000105	0.000105	99457.8	10.5	74.64
6	0.000086	0.000086	99447.3	8.6	73.65
7	0.000089	0.000089	99438.7	8.8	72.65
8	0.000087	0.000087	99429.9	8.7	71.66
9	0.000088	0.000088	99421.2	8.7	70.66
10	0.000086	0.000086	99412.5	8.6	69.67
11	0.000084	0.000084	99403.9	8.4	68.68
12	0.000108	0.000108	99395.5	10.7	67.68
13	0.000100	0.000100	99384.8	10.0	66.69
14	0.000124	0.000124	99374.8	12.3	65.70
15	0.000150	0.000150	99362.5	14.9	64.70
16	0.000213	0.000213	99347.6	21.2	63.71
17	0.000304	0.000304	99326.4	30.2	62.73
18	0.000421	0.000421	99296.2	41.8	61.75
19	0.000430	0.000430	99254.4	42.7	60.77
20	0.000454	0.000454	99211.7	45.0	59.80
21	0.000451	0.000451	99166.7	44.7	58.83
22	0.000469	0.000469	99122.0	46.5	57.85
23	0.000503	0.000502	99075.5	49.8	56.88
24	0.000480	0.000480	99025.7	47.6	55.91
25	0.000552	0.000551	98978.2	54.6	54.93
26	0.000551	0.000551	98923.6	54.5	53.96
27	0.000560	0.000560	98869.1	55.4	52.99
28	0.000596	0.000596	98813.7	58.9	52.02
29	0.000646	0.000646	98754.8	63.8	51.05
30	0.000687	0.000687	98691.0	67.8	50.09
31	0.000745	0.000745	98623.3	73.4	49.12
32	0.000728	0.000728	98549.8	71.7	48.16
33	0.000806	0.000806	98478.1	79.4	47.19
34	0.000850	0.000849	98398.7	83.6	46.23
35	0.000935	0.000935	98315.1	91.9	45.27
36	0.001014	0.001013	98223.3	99.5	44.31
37	0.001168	0.001167	98123.7	114.5	43.35
38	0.001225	0.001224	98009.2	120.0	42.40
39	0.001308	0.001307	97889.2	128.0	41.46
40	0.001441	0.001440	97761.3	140.8	40.51
41	0.001525	0.001523	97620.5	148.7	39.57
42	0.001705	0.001704	97471.7	166.1	38.63
43	0.001803	0.001801	97305.7	175.2	37.69
44	0.001972	0.001970	97130.4	191.3	36.76
45	0.002137	0.002135	96939.1	207.0	35.83
46	0.002234	0.002231	96732.1	215.8	34.91
47	0.002351	0.002348	96516.3	226.6	33.98
48	0.002585	0.002582	96289.7	248.6	33.06
49	0.002826	0.002822	96041.1	271.0	32.15

National life table

age	mx
0	0.003639
1	0.000289
2	0.000135
3	0.000118
4	0.000096
5	0.000090
6	0.000084
7	0.000064
8	0.000063
9	0.000068
10	0.000072
11	0.000071
12	0.000085
13	0.000076
14	0.000100
15	0.000105
16	0.000118
17	0.000152
18	0.000174
19	0.000182
20	0.000195
21	0.000218
22	0.000205
23	0.000216
24	0.000215
25	0.000248
26	0.000245
27	0.000303
28	0.000318
29	0.000288
30	0.000355
31	0.000393
32	0.000420
33	0.000442
34	0.000505
35	0.000550
36	0.000567
37	0.000616
38	0.000679
39	0.000800
40	0.000818
41	0.000938
42	0.001002
43	0.001118
44	0.001233
45	0.001326
46	0.001428
47	0.001589
48	0.001671
49	0.001897

50	0.002994	0.002989	95770.1	286.3	31.24	50	0.002067
51	0.003342	0.003336	95483.8	318.6	30.33	51	0.002290
52	0.003672	0.003665	95165.2	348.8	29.43	52	0.002527
53	0.004104	0.004096	94816.4	388.4	28.53	53	0.002724
54	0.004434	0.004424	94428.1	417.7	27.65	54	0.002983
55	0.004771	0.004759	94010.3	447.4	26.77	55	0.003311
56	0.005358	0.005344	93562.9	500.0	25.90	56	0.003598
57	0.005982	0.005965	93062.9	555.1	25.03	57	0.003972
58	0.006545	0.006523	92507.8	603.5	24.18	58	0.004281
59	0.007236	0.007210	91904.4	662.7	23.33	59	0.004832
60	0.007943	0.007912	91241.7	721.9	22.50	60	0.005153
61	0.008629	0.008592	90519.8	777.7	21.68	61	0.005645
62	0.009486	0.009441	89742.1	847.3	20.86	62	0.006157
63	0.010188	0.010137	88894.8	901.1	20.05	63	0.006653
64	0.011003	0.010943	87993.7	962.9	19.25	64	0.007111
65	0.011993	0.011921	87030.8	1037.5	18.46	65	0.007843
66	0.013304	0.013216	85993.3	1136.5	17.68	66	0.008574
67	0.014788	0.014680	84856.8	1245.7	16.91	67	0.009823
68	0.015862	0.015737	83611.1	1315.8	16.15	68	0.010441
69	0.017805	0.017648	82295.3	1452.4	15.40	69	0.011543
70	0.020297	0.020094	80842.9	1624.4	14.67	70	0.013086
71	0.022420	0.022172	79218.5	1756.4	13.96	71	0.014214
72	0.025100	0.024789	77462.1	1920.2	13.27	72	0.016355
73	0.026980	0.026621	75541.9	2011.0	12.59	73	0.017651
74	0.030094	0.029648	73530.9	2180.0	11.92	74	0.019941
75	0.033056	0.032519	71350.8	2320.2	11.27	75	0.022084
76	0.037032	0.036359	69030.6	2509.9	10.63	76	0.024883
77	0.040492	0.039688	66520.7	2640.1	10.01	77	0.028054
78	0.045994	0.044960	63880.6	2872.1	9.41	78	0.031639
79	0.050926	0.049661	61008.6	3029.8	8.83	79	0.035748
80	0.057538	0.055929	57978.8	3242.7	8.26	80	0.041117
81	0.065165	0.063109	54736.1	3454.4	7.72	81	0.046114
82	0.074268	0.071609	51281.8	3672.2	7.21	82	0.052602
83	0.083199	0.079876	47609.5	3802.8	6.73	83	0.060225
84	0.092838	0.088720	43806.7	3886.5	6.27	84	0.069472
85	0.104569	0.099373	39920.2	3967.0	5.83	85	0.077956
86	0.117493	0.110973	35953.2	3989.8	5.41	86	0.088568
87	0.131131	0.123062	31963.3	3933.5	5.03	87	0.099545
88	0.147198	0.137107	28029.8	3843.1	4.66	88	0.112485
89	0.165296	0.152677	24186.8	3692.8	4.33	89	0.128715
90	0.181238	0.166179	20494.0	3405.7	4.01	90	0.144987
91	0.199656	0.181534	17088.3	3102.1	3.72	91	0.159667
92	0.223768	0.201252	13986.2	2814.7	3.43	92	0.181518
93	0.250696	0.222772	11171.5	2488.7	3.17	93	0.202440
94	0.272864	0.240106	8682.8	2084.8	2.93	94	0.230683
95	0.310090	0.268465	6598.0	1771.3	2.70	95	0.256723
96	0.344289	0.293725	4826.7	1417.7	2.51	96	0.285439
97	0.382904	0.321376	3408.9	1095.6	2.34	97	0.308028
98	0.400202	0.333474	2313.4	771.5	2.21	98	0.338408
99	0.453553	0.369711	1541.9	570.1	2.07	99	0.380798
100	0.46504	0.37731	971.9	366.7	1.99	100	0.41285

ears 2011-2013

s, Females

qx	lx	dx	ex
0.003633	100000.0	363.3	82.96
0.000289	99636.7	28.8	82.26
0.000135	99607.9	13.5	81.28
0.000118	99594.4	11.7	80.29
0.000096	99582.7	9.5	79.30
0.000090	99573.1	8.9	78.31
0.000084	99564.2	8.4	77.32
0.000064	99555.8	6.4	76.32
0.000063	99549.4	6.3	75.33
0.000068	99543.2	6.7	74.33
0.000072	99536.4	7.1	73.34
0.000071	99529.3	7.1	72.34
0.000085	99522.2	8.5	71.35
0.000076	99513.8	7.6	70.36
0.000100	99506.2	9.9	69.36
0.000105	99496.3	10.4	68.37
0.000118	99485.8	11.7	67.37
0.000152	99474.1	15.1	66.38
0.000174	99459.0	17.3	65.39
0.000182	99441.7	18.1	64.40
0.000195	99423.6	19.4	63.42
0.000218	99404.2	21.7	62.43
0.000205	99382.5	20.4	61.44
0.000216	99362.1	21.4	60.45
0.000215	99340.7	21.3	59.47
0.000248	99319.3	24.6	58.48
0.000245	99294.7	24.3	57.49
0.000303	99270.3	30.0	56.51
0.000318	99240.3	31.6	55.52
0.000288	99208.7	28.5	54.54
0.000355	99180.2	35.3	53.56
0.000393	99144.9	39.0	52.58
0.000419	99105.9	41.6	51.60
0.000442	99064.4	43.8	50.62
0.000505	99020.6	50.0	49.64
0.000550	98970.6	54.4	48.67
0.000567	98916.2	56.1	47.69
0.000616	98860.1	60.9	46.72
0.000678	98799.1	67.0	45.75
0.000799	98732.1	78.9	44.78
0.000818	98653.2	80.7	43.81
0.000938	98572.5	92.4	42.85
0.001002	98480.1	98.6	41.89
0.001117	98381.5	109.9	40.93
0.001232	98271.5	121.1	39.98
0.001325	98150.4	130.0	39.02
0.001427	98020.4	139.8	38.08
0.001587	97880.6	155.4	37.13
0.001670	97725.2	163.2	36.19
0.001895	97562.0	184.9	35.25

0.002065	97377.1	201.1	34.31
0.002287	97176.0	222.3	33.38
0.002524	96953.8	244.7	32.46
0.002720	96709.0	263.0	31.54
0.002978	96446.0	287.2	30.62
0.003305	96158.8	317.8	29.71
0.003592	95840.9	344.3	28.81
0.003964	95496.7	378.6	27.91
0.004272	95118.1	406.3	27.02
0.004821	94711.8	456.6	26.14
0.005140	94255.2	484.5	25.26
0.005629	93770.7	527.8	24.39
0.006138	93242.9	572.3	23.52
0.006631	92670.6	614.5	22.67
0.007086	92056.1	652.3	21.81
0.007812	91403.8	714.0	20.97
0.008538	90689.7	774.3	20.13
0.009774	89915.4	878.9	19.30
0.010387	89036.6	924.8	18.48
0.011476	88111.7	1011.2	17.67
0.013001	87100.5	1132.4	16.87
0.014114	85968.1	1213.3	16.08
0.016223	84754.8	1374.9	15.31
0.017496	83379.9	1458.8	14.55
0.019744	81921.0	1617.5	13.80
0.021843	80303.6	1754.1	13.07
0.024577	78549.5	1930.5	12.35
0.027666	76619.0	2119.7	11.65
0.031146	74499.3	2320.4	10.97
0.035120	72178.9	2534.9	10.30
0.040288	69644.0	2805.8	9.66
0.045075	66838.1	3012.7	9.04
0.051254	63825.4	3271.3	8.45
0.058465	60554.1	3540.3	7.88
0.067139	57013.8	3827.9	7.34
0.075031	53185.9	3990.6	6.83
0.084813	49195.3	4172.4	6.34
0.094825	45022.9	4269.3	5.88
0.106495	40753.6	4340.1	5.45
0.120932	36413.6	4403.6	5.03
0.135187	32010.0	4327.3	4.66
0.147863	27682.7	4093.2	4.31
0.166414	23589.4	3925.6	3.97
0.183832	19663.8	3614.8	3.66
0.206827	16049.0	3319.4	3.37
0.227519	12729.6	2896.2	3.12
0.249789	9833.4	2456.3	2.90
0.266919	7377.1	1969.1	2.69
0.289435	5408.0	1565.3	2.49
0.319891	3842.8	1229.3	2.31
0.34221	2613.5	894.4	2.15

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004764	0.004753	100000.0	475.3	79.01
1	0.000347	0.000347	99524.7	34.5	78.39
2	0.000191	0.000191	99490.2	19.0	77.42
3	0.000125	0.000125	99471.2	12.5	76.43
4	0.000110	0.000110	99458.7	10.9	75.44
5	0.000107	0.000107	99447.8	10.7	74.45
6	0.000092	0.000092	99437.1	9.2	73.46
7	0.000076	0.000076	99428.0	7.6	72.46
8	0.000101	0.000101	99420.3	10.0	71.47
9	0.000100	0.000100	99410.4	10.0	70.48
10	0.000086	0.000086	99400.4	8.5	69.48
11	0.000096	0.000096	99391.8	9.5	68.49
12	0.000109	0.000109	99382.3	10.9	67.50
13	0.000099	0.000099	99371.5	9.9	66.50
14	0.000121	0.000121	99361.6	12.0	65.51
15	0.000155	0.000155	99349.6	15.4	64.52
16	0.000211	0.000211	99334.2	20.9	63.53
17	0.000326	0.000326	99313.3	32.4	62.54
18	0.000451	0.000451	99281.0	44.7	61.56
19	0.000412	0.000412	99236.2	40.9	60.59
20	0.000484	0.000484	99195.4	48.0	59.61
21	0.000506	0.000506	99147.4	50.2	58.64
22	0.000518	0.000517	99097.2	51.3	57.67
23	0.000542	0.000542	99045.9	53.7	56.70
24	0.000505	0.000504	98992.2	49.9	55.73
25	0.000560	0.000560	98942.3	55.4	54.76
26	0.000558	0.000558	98886.9	55.1	53.79
27	0.000564	0.000564	98831.7	55.7	52.82
28	0.000625	0.000625	98776.0	61.8	51.85
29	0.000679	0.000678	98714.2	67.0	50.88
30	0.000727	0.000727	98647.3	71.7	49.92
31	0.000752	0.000752	98575.5	74.1	48.95
32	0.000761	0.000761	98501.4	75.0	47.99
33	0.000820	0.000820	98426.4	80.7	47.02
34	0.000885	0.000884	98345.7	87.0	46.06
35	0.000940	0.000939	98258.7	92.3	45.10
36	0.001021	0.001021	98166.4	100.2	44.14
37	0.001169	0.001168	98066.2	114.5	43.19
38	0.001267	0.001266	97951.7	124.0	42.24
39	0.001330	0.001329	97827.7	130.0	41.29
40	0.001489	0.001488	97697.7	145.4	40.35
41	0.001538	0.001536	97552.3	149.9	39.41
42	0.001688	0.001687	97402.5	164.3	38.47
43	0.001793	0.001791	97238.2	174.2	37.53
44	0.002082	0.002080	97064.0	201.9	36.60
45	0.002168	0.002166	96862.1	209.8	35.67
46	0.002263	0.002260	96652.3	218.4	34.75
47	0.002378	0.002375	96433.8	229.0	33.83
48	0.002645	0.002642	96204.8	254.2	32.90
49	0.002843	0.002839	95950.6	272.4	31.99

National life table

age	mx
0	0.003839
1	0.000295
2	0.000136
3	0.000120
4	0.000099
5	0.000085
6	0.000089
7	0.000072
8	0.000076
9	0.000071
10	0.000066
11	0.000068
12	0.000094
13	0.000078
14	0.000112
15	0.000120
16	0.000132
17	0.000188
18	0.000183
19	0.000200
20	0.000200
21	0.000200
22	0.000194
23	0.000232
24	0.000231
25	0.000251
26	0.000244
27	0.000310
28	0.000326
29	0.000284
30	0.000367
31	0.000382
32	0.000432
33	0.000450
34	0.000484
35	0.000558
36	0.000593
37	0.000678
38	0.000715
39	0.000758
40	0.000852
41	0.000961
42	0.001026
43	0.001149
44	0.001215
45	0.001349
46	0.001463
47	0.001581
48	0.001722
49	0.001914

50	0.003055	0.003050	95678.3	291.8	31.08	50	0.002088
51	0.003410	0.003404	95386.5	324.7	30.17	51	0.002369
52	0.003841	0.003833	95061.7	364.4	29.27	52	0.002621
53	0.004180	0.004171	94697.3	395.0	28.39	53	0.002784
54	0.004498	0.004488	94302.3	423.3	27.50	54	0.003128
55	0.004970	0.004958	93879.0	465.4	26.62	55	0.003333
56	0.005669	0.005653	93413.6	528.1	25.75	56	0.003684
57	0.006088	0.006069	92885.5	563.8	24.90	57	0.004073
58	0.006706	0.006684	92321.8	617.0	24.05	58	0.004397
59	0.007247	0.007221	91704.7	662.2	23.21	59	0.004960
60	0.008076	0.008043	91042.5	732.3	22.37	60	0.005284
61	0.008773	0.008735	90310.2	788.9	21.55	61	0.005732
62	0.009575	0.009529	89521.4	853.1	20.73	62	0.006199
63	0.010226	0.010174	88668.3	902.1	19.93	63	0.006591
64	0.011236	0.011173	87766.2	980.6	19.13	64	0.007247
65	0.012222	0.012147	86785.6	1054.2	18.34	65	0.007980
66	0.013897	0.013802	85731.3	1183.2	17.56	66	0.008900
67	0.015167	0.015053	84548.1	1272.7	16.80	67	0.009735
68	0.016376	0.016243	83275.4	1352.6	16.05	68	0.010556
69	0.018594	0.018423	81922.8	1509.3	15.30	69	0.011991
70	0.020832	0.020618	80413.5	1657.9	14.58	70	0.013510
71	0.023109	0.022845	78755.6	1799.2	13.88	71	0.014601
72	0.025318	0.025002	76956.4	1924.0	13.19	72	0.016469
73	0.027510	0.027137	75032.4	2036.1	12.51	73	0.017759
74	0.030596	0.030135	72996.2	2199.7	11.85	74	0.020098
75	0.033706	0.033147	70796.5	2346.7	11.20	75	0.022286
76	0.037685	0.036988	68449.8	2531.8	10.57	76	0.025278
77	0.041557	0.040711	65918.0	2683.6	9.96	77	0.028673
78	0.047130	0.046045	63234.4	2911.7	9.36	78	0.032356
79	0.052079	0.050757	60322.8	3061.8	8.78	79	0.036342
80	0.058505	0.056842	57261.0	3254.9	8.23	80	0.041522
81	0.066757	0.064600	54006.1	3488.8	7.69	81	0.046892
82	0.074942	0.072235	50517.3	3649.1	7.19	82	0.053282
83	0.083816	0.080445	46868.2	3770.3	6.71	83	0.061310
84	0.094218	0.089979	43097.9	3877.9	6.25	84	0.069811
85	0.105633	0.100334	39220.0	3935.1	5.82	85	0.078175
86	0.118450	0.111827	35284.9	3945.8	5.42	86	0.089193
87	0.133166	0.124853	31339.0	3912.8	5.04	87	0.099249
88	0.147283	0.137180	27426.3	3762.3	4.68	88	0.113191
89	0.169253	0.156047	23663.9	3692.7	4.35	89	0.128295
90	0.176007	0.161771	19971.2	3230.8	4.06	90	0.142919
91	0.198788	0.180816	16740.5	3026.9	3.75	91	0.159169
92	0.219781	0.198021	13713.5	2715.6	3.46	92	0.180664
93	0.253165	0.224719	10998.0	2471.5	3.19	93	0.204446
94	0.275071	0.241813	8526.5	2061.8	2.97	94	0.226793
95	0.302990	0.263127	6464.7	1701.0	2.76	95	0.251684
96	0.335007	0.286943	4763.7	1366.9	2.57	96	0.280855
97	0.364581	0.308368	3396.8	1047.5	2.40	97	0.304794
98	0.403850	0.336002	2349.3	789.4	2.25	98	0.334570
99	0.430623	0.354332	1559.9	552.7	2.14	99	0.371975
100	0.46044	0.37427	1007.2	377	2.04	100	0.41012

ears 2010-2012

s, Females

qx	lx	dx	ex
0.003832	100000.0	383.2	82.83
0.000295	99616.8	29.4	82.14
0.000136	99587.5	13.5	81.17
0.000120	99573.9	11.9	80.18
0.000099	99562.0	9.8	79.19
0.000085	99552.2	8.5	78.20
0.000089	99543.7	8.8	77.20
0.000072	99534.9	7.2	76.21
0.000076	99527.7	7.6	75.21
0.000071	99520.1	7.1	74.22
0.000066	99513.0	6.5	73.23
0.000068	99506.5	6.8	72.23
0.000093	99499.7	9.3	71.24
0.000078	99490.4	7.8	70.24
0.000112	99482.6	11.1	69.25
0.000120	99471.5	11.9	68.26
0.000132	99459.6	13.1	67.26
0.000188	99446.5	18.7	66.27
0.000183	99427.7	18.2	65.28
0.000200	99409.6	19.9	64.30
0.000200	99389.7	19.9	63.31
0.000200	99369.9	19.9	62.32
0.000194	99350.0	19.2	61.33
0.000232	99330.7	23.0	60.35
0.000231	99307.7	22.9	59.36
0.000251	99284.7	24.9	58.37
0.000244	99259.9	24.2	57.39
0.000310	99235.6	30.7	56.40
0.000326	99204.9	32.4	55.42
0.000284	99172.5	28.2	54.44
0.000367	99144.3	36.4	53.45
0.000382	99107.9	37.9	52.47
0.000432	99070.0	42.8	51.49
0.000450	99027.3	44.6	50.51
0.000484	98982.7	47.9	49.54
0.000558	98934.8	55.2	48.56
0.000593	98879.6	58.6	47.59
0.000677	98820.9	66.9	46.61
0.000715	98754.0	70.6	45.65
0.000758	98683.4	74.8	44.68
0.000852	98608.7	84.0	43.71
0.000961	98524.6	94.7	42.75
0.001025	98430.0	100.9	41.79
0.001149	98329.1	112.9	40.83
0.001214	98216.1	119.2	39.88
0.001348	98096.9	132.2	38.93
0.001462	97964.6	143.3	37.98
0.001580	97821.4	154.6	37.03
0.001720	97666.8	168.0	36.09
0.001912	97498.8	186.4	35.15

0.002085	97312.4	202.9	34.22
0.002366	97109.5	229.7	33.29
0.002617	96879.7	253.6	32.37
0.002780	96626.1	268.6	31.45
0.003123	96357.5	300.9	30.54
0.003327	96056.6	319.6	29.63
0.003677	95737.0	352.0	28.73
0.004065	95385.0	387.7	27.83
0.004387	94997.2	416.8	26.94
0.004948	94580.4	468.0	26.06
0.005270	94112.4	496.0	25.19
0.005715	93616.5	535.0	24.32
0.006179	93081.4	575.2	23.45
0.006569	92506.2	607.7	22.60
0.007221	91898.6	663.6	21.74
0.007948	91235.0	725.2	20.90
0.008861	90509.8	802.0	20.06
0.009687	89707.8	869.0	19.24
0.010500	88838.8	932.8	18.42
0.011920	87906.0	1047.8	17.61
0.013419	86858.2	1165.6	16.82
0.014495	85692.6	1242.1	16.04
0.016334	84450.5	1379.4	15.27
0.017603	83071.1	1462.3	14.51
0.019898	81608.8	1623.8	13.76
0.022041	79985.0	1762.9	13.03
0.024963	78222.1	1952.7	12.31
0.028268	76269.4	2156.0	11.62
0.031841	74113.4	2359.8	10.94
0.035693	71753.6	2561.1	10.28
0.040677	69192.5	2814.6	9.65
0.045818	66377.9	3041.3	9.03
0.051900	63336.6	3287.1	8.44
0.059487	60049.5	3572.2	7.88
0.067456	56477.3	3809.8	7.34
0.075234	52667.5	3962.4	6.84
0.085386	48705.1	4158.7	6.36
0.094557	44546.4	4212.2	5.90
0.107128	40334.2	4320.9	5.47
0.120561	36013.3	4341.8	5.06
0.133387	31671.5	4224.6	4.69
0.147436	27446.9	4046.7	4.33
0.165696	23400.3	3877.3	3.99
0.185485	19523.0	3621.2	3.69
0.203694	15901.7	3239.1	3.42
0.223552	12662.6	2830.8	3.16
0.246272	9831.9	2421.3	2.93
0.264487	7410.6	1960.0	2.72
0.286622	5450.6	1562.3	2.52
0.313642	3888.3	1219.5	2.33
0.34033	2668.8	908.3	2.17

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.004941	0.004928	100000.0	492.8	78.71
1	0.000336	0.000336	99507.2	33.5	78.10
2	0.000194	0.000194	99473.7	19.3	77.13
3	0.000126	0.000126	99454.4	12.5	76.14
4	0.000106	0.000106	99441.9	10.5	75.15
5	0.000113	0.000113	99431.4	11.2	74.16
6	0.000092	0.000092	99420.2	9.1	73.17
7	0.000077	0.000077	99411.1	7.7	72.17
8	0.000104	0.000104	99403.4	10.4	71.18
9	0.000098	0.000098	99393.0	9.7	70.19
10	0.000084	0.000084	99383.3	8.4	69.19
11	0.000091	0.000091	99375.0	9.0	68.20
12	0.000107	0.000107	99366.0	10.7	67.21
13	0.000110	0.000110	99355.3	10.9	66.21
14	0.000133	0.000133	99344.4	13.2	65.22
15	0.000197	0.000196	99331.2	19.5	64.23
16	0.000240	0.000240	99311.7	23.9	63.24
17	0.000372	0.000372	99287.8	36.9	62.26
18	0.000464	0.000464	99250.9	46.0	61.28
19	0.000454	0.000454	99204.9	45.1	60.31
20	0.000523	0.000523	99159.8	51.9	59.33
21	0.000579	0.000578	99107.9	57.3	58.36
22	0.000560	0.000560	99050.6	55.4	57.40
23	0.000572	0.000572	98995.2	56.6	56.43
24	0.000557	0.000557	98938.5	55.1	55.46
25	0.000611	0.000611	98883.5	60.4	54.49
26	0.000629	0.000629	98823.0	62.1	53.53
27	0.000611	0.000611	98760.9	60.3	52.56
28	0.000681	0.000681	98700.6	67.2	51.59
29	0.000714	0.000714	98633.4	70.4	50.63
30	0.000784	0.000784	98563.0	77.3	49.66
31	0.000758	0.000758	98485.8	74.7	48.70
32	0.000835	0.000834	98411.1	82.1	47.74
33	0.000849	0.000849	98329.0	83.5	46.78
34	0.000980	0.000980	98245.5	96.2	45.82
35	0.001040	0.001040	98149.3	102.0	44.86
36	0.001110	0.001109	98047.3	108.7	43.91
37	0.001237	0.001236	97938.5	121.0	42.95
38	0.001351	0.001350	97817.5	132.1	42.01
39	0.001417	0.001416	97685.4	138.3	41.06
40	0.001555	0.001553	97547.1	151.5	40.12
41	0.001622	0.001620	97395.5	157.8	39.18
42	0.001784	0.001782	97237.7	173.3	38.24
43	0.001839	0.001838	97064.4	178.4	37.31
44	0.002127	0.002125	96886.0	205.9	36.38
45	0.002248	0.002246	96680.1	217.1	35.46
46	0.002352	0.002349	96463.0	226.6	34.54
47	0.002395	0.002392	96236.4	230.2	33.62
48	0.002712	0.002709	96006.2	260.0	32.69
49	0.002909	0.002905	95746.2	278.1	31.78

National life table

age	mx
0	0.004018
1	0.000290
2	0.000162
3	0.000132
4	0.000115
5	0.000089
6	0.000085
7	0.000068
8	0.000078
9	0.000085
10	0.000065
11	0.000083
12	0.000091
13	0.000086
14	0.000124
15	0.000131
16	0.000153
17	0.000192
18	0.000207
19	0.000217
20	0.000213
21	0.000211
22	0.000208
23	0.000248
24	0.000237
25	0.000267
26	0.000274
27	0.000319
28	0.000328
29	0.000320
30	0.000378
31	0.000394
32	0.000451
33	0.000460
34	0.000509
35	0.000583
36	0.000607
37	0.000691
38	0.000734
39	0.000759
40	0.000907
41	0.001003
42	0.001039
43	0.001177
44	0.001265
45	0.001394
46	0.001506
47	0.001574
48	0.001747
49	0.001974

50	0.003112	0.003107	95468.0	296.6	30.87	50	0.002162
51	0.003567	0.003561	95171.4	338.9	29.97	51	0.002314
52	0.004015	0.004007	94832.5	379.9	29.07	52	0.002665
53	0.004333	0.004324	94452.6	408.4	28.19	53	0.002871
54	0.004615	0.004604	94044.2	433.0	27.31	54	0.003273
55	0.005234	0.005221	93611.2	488.7	26.43	55	0.003416
56	0.005909	0.005892	93122.4	548.7	25.57	56	0.003812
57	0.006278	0.006259	92573.8	579.4	24.72	57	0.004150
58	0.007010	0.006985	91994.4	642.6	23.87	58	0.004428
59	0.007486	0.007458	91351.8	681.3	23.03	59	0.004929
60	0.008344	0.008309	90670.5	753.4	22.20	60	0.005347
61	0.008893	0.008854	89917.1	796.1	21.39	61	0.005778
62	0.009513	0.009468	89121.0	843.8	20.57	62	0.006123
63	0.010517	0.010462	88277.2	923.6	19.76	63	0.006797
64	0.011575	0.011509	87353.7	1005.3	18.97	64	0.007461
65	0.012727	0.012646	86348.3	1092.0	18.18	65	0.008204
66	0.014258	0.014157	85256.3	1207.0	17.41	66	0.009104
67	0.015412	0.015294	84049.4	1285.4	16.65	67	0.009734
68	0.017354	0.017205	82763.9	1423.9	15.90	68	0.010905
69	0.019204	0.019021	81340.0	1547.2	15.17	69	0.012209
70	0.021228	0.021005	79792.8	1676.1	14.46	70	0.013888
71	0.023348	0.023079	78116.7	1802.8	13.76	71	0.014833
72	0.025851	0.025521	76313.9	1947.6	13.07	72	0.016489
73	0.028286	0.027892	74366.3	2074.2	12.40	73	0.017981
74	0.031385	0.030900	72292.1	2233.8	11.74	74	0.020621
75	0.034395	0.033814	70058.3	2368.9	11.10	75	0.022662
76	0.039083	0.038334	67689.3	2594.8	10.47	76	0.025808
77	0.042781	0.041885	65094.5	2726.5	9.87	77	0.029153
78	0.048075	0.046947	62368.0	2928.0	9.28	78	0.032944
79	0.053693	0.052289	59440.1	3108.1	8.71	79	0.037169
80	0.061039	0.059231	56332.0	3336.6	8.16	80	0.042373
81	0.068477	0.066210	52995.4	3508.8	7.64	81	0.047627
82	0.076922	0.074073	49486.6	3665.6	7.15	82	0.054487
83	0.085198	0.081717	45820.9	3744.3	6.68	83	0.062181
84	0.096183	0.091769	42076.6	3861.3	6.23	84	0.069942
85	0.107939	0.102412	38215.2	3913.7	5.81	85	0.078563
86	0.119301	0.112585	34301.5	3861.8	5.42	86	0.089446
87	0.135343	0.126765	30439.7	3858.7	5.04	87	0.100465
88	0.151070	0.140460	26581.0	3733.6	4.70	88	0.113613
89	0.174205	0.160247	22847.5	3661.2	4.39	89	0.129566
90	0.173807	0.159910	19186.2	3068.1	4.13	90	0.141235
91	0.194843	0.177546	16118.1	2861.7	3.82	91	0.156446
92	0.220171	0.198337	13256.4	2629.2	3.53	92	0.182087
93	0.244234	0.217655	10627.2	2313.1	3.29	93	0.198898
94	0.268541	0.236752	8314.1	1968.4	3.06	94	0.223450
95	0.295013	0.257090	6345.7	1631.4	2.86	95	0.250145
96	0.318863	0.275017	4714.3	1296.5	2.67	96	0.272675
97	0.352426	0.299628	3417.8	1024.1	2.49	97	0.301428
98	0.382115	0.320820	2393.7	768.0	2.35	98	0.328379
99	0.399335	0.332871	1625.8	541.2	2.22	99	0.359612
100	0.44409	0.36340	1084.6	394.1	2.08	100	0.39986

ears 2009-2011

s, Females

qx	lx	dx	ex
0.004010	100000.0	401.0	82.67
0.000290	99599.0	28.9	82.01
0.000162	99570.2	16.1	81.03
0.000132	99554.1	13.1	80.04
0.000115	99541.0	11.4	79.05
0.000089	99529.5	8.8	78.06
0.000085	99520.7	8.5	77.07
0.000068	99512.2	6.8	76.08
0.000078	99505.5	7.8	75.08
0.000085	99497.7	8.4	74.09
0.000065	99489.2	6.5	73.09
0.000083	99482.7	8.2	72.10
0.000091	99474.5	9.0	71.10
0.000086	99465.5	8.6	70.11
0.000124	99456.9	12.3	69.12
0.000131	99444.6	13.0	68.13
0.000153	99431.6	15.2	67.13
0.000192	99416.4	19.1	66.14
0.000207	99397.3	20.6	65.16
0.000216	99376.7	21.5	64.17
0.000213	99355.2	21.2	63.18
0.000211	99334.0	21.0	62.20
0.000208	99313.0	20.6	61.21
0.000248	99292.4	24.7	60.22
0.000237	99267.7	23.5	59.24
0.000267	99244.3	26.5	58.25
0.000274	99217.8	27.2	57.27
0.000319	99190.6	31.6	56.28
0.000328	99159.0	32.5	55.30
0.000320	99126.4	31.7	54.32
0.000377	99094.7	37.4	53.34
0.000393	99057.3	39.0	52.36
0.000451	99018.3	44.7	51.38
0.000460	98973.7	45.5	50.40
0.000509	98928.2	50.4	49.42
0.000582	98877.8	57.6	48.45
0.000606	98820.2	59.9	47.47
0.000690	98760.3	68.2	46.50
0.000734	98692.1	72.4	45.53
0.000758	98619.7	74.8	44.57
0.000907	98544.9	89.4	43.60
0.001002	98455.6	98.7	42.64
0.001038	98356.9	102.1	41.68
0.001176	98254.8	115.6	40.73
0.001264	98139.2	124.0	39.77
0.001393	98015.2	136.5	38.82
0.001505	97878.6	147.3	37.88
0.001573	97731.3	153.7	36.93
0.001745	97577.6	170.3	35.99
0.001972	97407.3	192.1	35.05

0.002159	97215.2	209.9	34.12
0.002311	97005.3	224.2	33.19
0.002662	96781.1	257.6	32.27
0.002866	96523.5	276.7	31.35
0.003267	96246.8	314.5	30.44
0.003410	95932.3	327.1	29.54
0.003805	95605.2	363.7	28.64
0.004141	95241.5	394.4	27.75
0.004419	94847.1	419.1	26.86
0.004917	94428.0	464.3	25.98
0.005333	93963.7	501.1	25.10
0.005762	93462.5	538.5	24.24
0.006104	92924.1	567.2	23.37
0.006774	92356.8	625.6	22.51
0.007433	91731.2	681.9	21.66
0.008170	91049.3	743.9	20.82
0.009062	90305.4	818.4	19.99
0.009687	89487.0	866.9	19.17
0.010846	88620.2	961.2	18.35
0.012135	87659.0	1063.8	17.55
0.013792	86595.2	1194.3	16.76
0.014724	85400.9	1257.4	15.98
0.016354	84143.5	1376.1	15.21
0.017820	82767.4	1475.0	14.46
0.020410	81292.4	1659.2	13.71
0.022408	79633.2	1784.5	12.99
0.025479	77848.8	1983.5	12.27
0.028734	75865.3	2179.9	11.58
0.032410	73685.4	2388.1	10.91
0.036491	71297.3	2601.7	10.26
0.041494	68695.6	2850.4	9.63
0.046519	65845.1	3063.1	9.02
0.053042	62782.1	3330.1	8.44
0.060306	59452.0	3585.3	7.88
0.067579	55866.7	3775.4	7.36
0.075594	52091.2	3937.8	6.85
0.085617	48153.5	4122.8	6.37
0.095659	44030.7	4212.0	5.92
0.107506	39818.8	4280.8	5.50
0.121683	35538.0	4324.4	5.10
0.131919	31213.6	4117.7	4.74
0.145096	27096.0	3931.5	4.38
0.166893	23164.4	3866.0	4.04
0.180907	19298.5	3491.2	3.75
0.200994	15807.2	3177.2	3.46
0.222337	12630.1	2808.1	3.21
0.239959	9821.9	2356.9	2.98
0.261949	7465.1	1955.5	2.77
0.282066	5509.6	1554.1	2.57
0.304806	3955.5	1205.7	2.39
0.33324	2749.9	916.4	2.22

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005054	0.005042	100000.0	504.2	78.31
1	0.000338	0.000338	99495.8	33.6	77.71
2	0.000189	0.000189	99462.2	18.8	76.73
3	0.000144	0.000144	99443.4	14.3	75.75
4	0.000113	0.000113	99429.0	11.2	74.76
5	0.000126	0.000126	99417.8	12.5	73.76
6	0.000093	0.000093	99405.3	9.3	72.77
7	0.000085	0.000085	99396.0	8.5	71.78
8	0.000110	0.000110	99387.6	11.0	70.79
9	0.000090	0.000090	99376.6	9.0	69.79
10	0.000095	0.000095	99367.6	9.5	68.80
11	0.000095	0.000095	99358.1	9.5	67.81
12	0.000103	0.000103	99348.7	10.3	66.81
13	0.000119	0.000119	99338.4	11.8	65.82
14	0.000137	0.000137	99326.6	13.7	64.83
15	0.000212	0.000212	99312.9	21.0	63.84
16	0.000274	0.000274	99291.9	27.2	62.85
17	0.000424	0.000424	99264.7	42.1	61.87
18	0.000516	0.000516	99222.6	51.2	60.89
19	0.000522	0.000522	99171.4	51.7	59.93
20	0.000599	0.000599	99119.7	59.4	58.96
21	0.000624	0.000624	99060.3	61.8	57.99
22	0.000599	0.000599	98998.5	59.3	57.03
23	0.000647	0.000647	98939.1	64.0	56.06
24	0.000628	0.000628	98875.1	62.1	55.10
25	0.000624	0.000624	98813.1	61.7	54.13
26	0.000703	0.000703	98751.4	69.4	53.16
27	0.000670	0.000670	98682.0	66.1	52.20
28	0.000717	0.000717	98615.9	70.7	51.24
29	0.000748	0.000748	98545.2	73.7	50.27
30	0.000830	0.000829	98471.4	81.7	49.31
31	0.000807	0.000807	98389.8	79.4	48.35
32	0.000887	0.000886	98310.4	87.1	47.39
33	0.000936	0.000936	98223.3	91.9	46.43
34	0.001055	0.001054	98131.4	103.5	45.47
35	0.001169	0.001168	98027.9	114.5	44.52
36	0.001144	0.001143	97913.4	111.9	43.57
37	0.001232	0.001231	97801.4	120.4	42.62
38	0.001430	0.001429	97681.0	139.6	41.67
39	0.001463	0.001462	97541.4	142.6	40.73
40	0.001605	0.001604	97398.9	156.2	39.79
41	0.001688	0.001687	97242.7	164.0	38.85
42	0.001764	0.001762	97078.7	171.1	37.92
43	0.001907	0.001905	96907.6	184.6	36.99
44	0.002125	0.002123	96722.9	205.3	36.06
45	0.002294	0.002291	96517.6	221.1	35.13
46	0.002405	0.002402	96296.5	231.3	34.21
47	0.002570	0.002567	96065.2	246.6	33.29
48	0.002782	0.002778	95818.6	266.2	32.38
49	0.003036	0.003031	95552.5	289.7	31.46

National life table

age	mx
0	0.004186
1	0.000298
2	0.000177
3	0.000152
4	0.000123
5	0.000095
6	0.000087
7	0.000079
8	0.000092
9	0.000097
10	0.000072
11	0.000082
12	0.000085
13	0.000100
14	0.000120
15	0.000148
16	0.000161
17	0.000202
18	0.000232
19	0.000238
20	0.000227
21	0.000219
22	0.000216
23	0.000251
24	0.000245
25	0.000268
26	0.000293
27	0.000291
28	0.000331
29	0.000345
30	0.000386
31	0.000392
32	0.000464
33	0.000487
34	0.000536
35	0.000577
36	0.000597
37	0.000713
38	0.000769
39	0.000801
40	0.000942
41	0.001020
42	0.001069
43	0.001196
44	0.001300
45	0.001418
46	0.001545
47	0.001635
48	0.001821
49	0.002011

50	0.003318	0.003313	95262.8	315.6	30.56	50	0.002298
51	0.003715	0.003708	94947.2	352.0	29.66	51	0.002406
52	0.004061	0.004053	94595.2	383.4	28.77	52	0.002721
53	0.004386	0.004376	94211.8	412.3	27.88	53	0.002943
54	0.004798	0.004787	93799.5	449.0	27.00	54	0.003392
55	0.005440	0.005425	93350.5	506.4	26.13	55	0.003549
56	0.006037	0.006018	92844.1	558.8	25.27	56	0.003874
57	0.006471	0.006450	92285.3	595.2	24.42	57	0.004181
58	0.007018	0.006994	91690.1	641.2	23.58	58	0.004559
59	0.007729	0.007699	91048.9	701.0	22.74	59	0.005052
60	0.008507	0.008471	90347.9	765.3	21.91	60	0.005433
61	0.009018	0.008977	89582.5	804.2	21.09	61	0.005929
62	0.009806	0.009758	88778.3	866.3	20.28	62	0.006267
63	0.010994	0.010934	87912.0	961.2	19.47	63	0.006968
64	0.012265	0.012190	86950.8	1060.0	18.68	64	0.007836
65	0.013105	0.013020	85890.8	1118.3	17.91	65	0.008397
66	0.014633	0.014527	84772.5	1231.5	17.14	66	0.009218
67	0.016158	0.016028	83541.1	1339.0	16.38	67	0.010102
68	0.018372	0.018205	82202.0	1496.5	15.64	68	0.011332
69	0.020200	0.019998	80705.6	1613.9	14.92	69	0.012691
70	0.021541	0.021311	79091.6	1685.5	14.22	70	0.014125
71	0.023906	0.023623	77406.1	1828.6	13.52	71	0.015283
72	0.026668	0.026317	75577.5	1989.0	12.83	72	0.016852
73	0.029711	0.029276	73588.6	2154.4	12.16	73	0.019104
74	0.032144	0.031635	71434.2	2259.9	11.52	74	0.021490
75	0.036172	0.035530	69174.3	2457.7	10.88	75	0.023633
76	0.040730	0.039917	66716.6	2663.1	10.26	76	0.027080
77	0.044963	0.043975	64053.5	2816.7	9.66	77	0.030228
78	0.050144	0.048918	61236.8	2995.6	9.09	78	0.034272
79	0.056380	0.054834	58241.2	3193.6	8.53	79	0.038933
80	0.063744	0.061775	55047.6	3400.6	7.99	80	0.044413
81	0.071906	0.069411	51647.0	3584.9	7.49	81	0.050365
82	0.079491	0.076452	48062.2	3674.5	7.01	82	0.056519
83	0.088241	0.084512	44387.7	3751.3	6.55	83	0.064290
84	0.100463	0.095658	40636.4	3887.2	6.10	84	0.072580
85	0.112279	0.106311	36749.2	3906.8	5.70	85	0.081679
86	0.125249	0.117868	32842.3	3871.1	5.32	86	0.092136
87	0.140480	0.131261	28971.3	3802.8	4.96	87	0.104243
88	0.158088	0.146507	25168.5	3687.4	4.63	88	0.119997
89	0.169397	0.156170	21481.1	3354.7	4.34	89	0.128949
90	0.176820	0.162457	18126.4	2944.8	4.05	90	0.144491
91	0.205352	0.186231	15181.6	2827.3	3.74	91	0.167578
92	0.223530	0.201059	12354.4	2484.0	3.49	92	0.188059
93	0.244863	0.218154	9870.4	2153.3	3.24	93	0.207639
94	0.273296	0.240441	7717.1	1855.5	3.00	94	0.232025
95	0.301334	0.261877	5861.6	1535.0	2.79	95	0.255830
96	0.331108	0.284078	4326.6	1229.1	2.61	96	0.283773
97	0.357928	0.303595	3097.5	940.4	2.44	97	0.309206
98	0.388570	0.325358	2157.1	701.8	2.29	98	0.344853
99	0.403727	0.335917	1455.3	488.9	2.15	99	0.370846
100	0.47882	0.38633	966.4	373.4	1.98	100	0.40571

ears 2008-2010

s, Females

qx	lx	dx	ex
0.004178	100000.0	417.8	82.33
0.000298	99582.2	29.7	81.67
0.000177	99552.6	17.7	80.70
0.000152	99534.9	15.1	79.71
0.000123	99519.8	12.2	78.73
0.000095	99507.6	9.5	77.73
0.000087	99498.1	8.7	76.74
0.000079	99489.4	7.8	75.75
0.000092	99481.6	9.2	74.75
0.000097	99472.4	9.6	73.76
0.000072	99462.8	7.2	72.77
0.000082	99455.7	8.2	71.77
0.000085	99447.5	8.4	70.78
0.000100	99439.1	10.0	69.79
0.000120	99429.1	12.0	68.79
0.000148	99417.1	14.7	67.80
0.000161	99402.4	16.0	66.81
0.000202	99386.4	20.1	65.82
0.000232	99366.2	23.1	64.83
0.000238	99343.2	23.6	63.85
0.000227	99319.5	22.6	62.86
0.000219	99297.0	21.7	61.88
0.000216	99275.2	21.4	60.89
0.000251	99253.8	24.9	59.91
0.000245	99229.0	24.4	58.92
0.000268	99204.6	26.6	57.93
0.000293	99178.0	29.0	56.95
0.000291	99149.0	28.9	55.97
0.000331	99120.1	32.8	54.98
0.000344	99087.3	34.1	54.00
0.000386	99053.1	38.2	53.02
0.000392	99014.9	38.8	52.04
0.000464	98976.1	45.9	51.06
0.000486	98930.2	48.1	50.08
0.000536	98882.0	53.0	49.11
0.000577	98829.0	57.0	48.13
0.000597	98772.0	59.0	47.16
0.000713	98713.0	70.4	46.19
0.000768	98642.6	75.8	45.22
0.000800	98566.9	78.9	44.26
0.000941	98488.0	92.7	43.29
0.001019	98395.3	100.3	42.33
0.001068	98294.9	105.0	41.37
0.001196	98190.0	117.4	40.42
0.001299	98072.6	127.4	39.47
0.001417	97945.2	138.8	38.52
0.001543	97806.4	151.0	37.57
0.001633	97655.4	159.5	36.63
0.001819	97495.9	177.3	35.69
0.002009	97318.6	195.5	34.75

0.002295	97123.0	222.9	33.82
0.002403	96900.1	232.8	32.90
0.002717	96667.3	262.7	31.97
0.002939	96404.6	283.3	31.06
0.003386	96121.3	325.5	30.15
0.003543	95795.8	339.4	29.25
0.003866	95456.4	369.1	28.35
0.004173	95087.4	396.8	27.46
0.004549	94690.6	430.7	26.57
0.005039	94259.9	475.0	25.69
0.005418	93784.9	508.2	24.82
0.005912	93276.7	551.4	23.95
0.006248	92725.3	579.3	23.09
0.006944	92146.0	639.9	22.23
0.007805	91506.2	714.2	21.39
0.008362	90791.9	759.2	20.55
0.009176	90032.7	826.1	19.72
0.010051	89206.5	896.6	18.90
0.011269	88309.9	995.1	18.08
0.012611	87314.8	1101.1	17.29
0.014026	86213.7	1209.3	16.50
0.015167	85004.4	1289.3	15.73
0.016711	83715.2	1399.0	14.96
0.018923	82316.2	1557.7	14.21
0.021262	80758.5	1717.1	13.47
0.023357	79041.4	1846.1	12.75
0.026718	77195.3	2062.5	12.05
0.029778	75132.8	2237.3	11.36
0.033694	72895.5	2456.2	10.70
0.038189	70439.3	2690.0	10.05
0.043448	67749.3	2943.6	9.43
0.049128	64805.7	3183.8	8.84
0.054966	61621.9	3387.1	8.27
0.062288	58234.8	3627.3	7.72
0.070038	54607.5	3824.6	7.20
0.078474	50782.9	3985.1	6.70
0.088078	46797.8	4121.9	6.23
0.099079	42675.9	4228.3	5.79
0.113205	38447.6	4352.5	5.37
0.121139	34095.1	4130.2	4.99
0.134756	29964.9	4037.9	4.61
0.154622	25926.9	4008.9	4.25
0.171896	21918.1	3767.6	3.93
0.188109	18150.4	3414.3	3.65
0.207906	14736.2	3063.7	3.38
0.226817	11672.4	2647.5	3.13
0.248512	9024.9	2242.8	2.90
0.267803	6782.1	1816.3	2.70
0.294136	4965.9	1460.6	2.50
0.312839	3505.2	1096.6	2.33
0.33729	2408.6	812.4	2.17

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005268	0.005254	100000.0	525.4	78.00
1	0.000364	0.000364	99474.6	36.2	77.41
2	0.000224	0.000224	99438.3	22.2	76.44
3	0.000151	0.000151	99416.1	15.0	75.46
4	0.000126	0.000126	99401.0	12.5	74.47
5	0.000135	0.000135	99388.5	13.4	73.48
6	0.000104	0.000104	99375.1	10.3	72.49
7	0.000094	0.000094	99364.8	9.3	71.49
8	0.000118	0.000118	99355.5	11.7	70.50
9	0.000091	0.000091	99343.7	9.0	69.51
10	0.000089	0.000089	99334.7	8.8	68.51
11	0.000100	0.000100	99325.9	9.9	67.52
12	0.000106	0.000106	99316.0	10.6	66.53
13	0.000139	0.000139	99305.4	13.8	65.53
14	0.000157	0.000157	99291.6	15.6	64.54
15	0.000247	0.000246	99276.1	24.5	63.55
16	0.000308	0.000308	99251.6	30.6	62.57
17	0.000469	0.000468	99221.0	46.5	61.59
18	0.000533	0.000533	99174.6	52.9	60.62
19	0.000587	0.000586	99121.7	58.1	59.65
20	0.000650	0.000650	99063.5	64.4	58.68
21	0.000658	0.000658	98999.2	65.1	57.72
22	0.000632	0.000632	98934.1	62.5	56.76
23	0.000655	0.000655	98871.6	64.8	55.79
24	0.000663	0.000663	98806.8	65.5	54.83
25	0.000661	0.000661	98741.3	65.2	53.87
26	0.000744	0.000743	98676.0	73.4	52.90
27	0.000690	0.000690	98602.7	68.0	51.94
28	0.000788	0.000788	98534.6	77.6	50.98
29	0.000755	0.000755	98457.0	74.3	50.02
30	0.000862	0.000861	98382.7	84.7	49.05
31	0.000846	0.000845	98297.9	83.1	48.10
32	0.000930	0.000929	98214.8	91.3	47.14
33	0.000998	0.000998	98123.5	97.9	46.18
34	0.001089	0.001088	98025.6	106.7	45.23
35	0.001228	0.001228	97919.0	120.2	44.27
36	0.001191	0.001190	97798.7	116.4	43.33
37	0.001239	0.001239	97682.4	121.0	42.38
38	0.001392	0.001391	97561.4	135.7	41.43
39	0.001461	0.001460	97425.7	142.3	40.49
40	0.001592	0.001591	97283.4	154.7	39.55
41	0.001672	0.001670	97128.7	162.2	38.61
42	0.001822	0.001820	96966.4	176.5	37.67
43	0.001925	0.001924	96789.9	186.2	36.74
44	0.002041	0.002039	96603.7	197.0	35.81
45	0.002261	0.002258	96406.7	217.7	34.88
46	0.002436	0.002433	96189.1	234.0	33.96
47	0.002605	0.002602	95955.1	249.6	33.04
48	0.002821	0.002817	95705.4	269.6	32.13
49	0.003100	0.003095	95435.8	295.4	31.22

National life table

age	mx
0	0.004290
1	0.000296
2	0.000194
3	0.000163
4	0.000121
5	0.000100
6	0.000086
7	0.000077
8	0.000074
9	0.000096
10	0.000088
11	0.000089
12	0.000098
13	0.000109
14	0.000111
15	0.000135
16	0.000165
17	0.000210
18	0.000243
19	0.000237
20	0.000225
21	0.000258
22	0.000241
23	0.000245
24	0.000258
25	0.000263
26	0.000306
27	0.000270
28	0.000319
29	0.000374
30	0.000377
31	0.000392
32	0.000467
33	0.000495
34	0.000573
35	0.000579
36	0.000549
37	0.000692
38	0.000763
39	0.000841
40	0.000973
41	0.001023
42	0.001084
43	0.001206
44	0.001293
45	0.001470
46	0.001580
47	0.001672
48	0.001920
49	0.002036

50	0.003382	0.003376	95140.4	321.2	30.31	50	0.002407
51	0.003765	0.003758	94819.2	356.4	29.41	51	0.002435
52	0.004090	0.004082	94462.8	385.6	28.52	52	0.002671
53	0.004606	0.004596	94077.2	432.4	27.64	53	0.003012
54	0.004972	0.004960	93644.9	464.5	26.76	54	0.003443
55	0.005665	0.005649	93180.4	526.4	25.89	55	0.003668
56	0.006127	0.006108	92654.0	565.9	25.04	56	0.003931
57	0.006531	0.006510	92088.1	599.5	24.19	57	0.004185
58	0.007216	0.007190	91488.6	657.8	23.34	58	0.004537
59	0.007869	0.007838	90830.8	711.9	22.51	59	0.005090
60	0.008351	0.008316	90118.9	749.4	21.68	60	0.005454
61	0.009296	0.009253	89369.5	826.9	20.86	61	0.006121
62	0.010163	0.010112	88542.6	895.3	20.05	62	0.006384
63	0.011515	0.011449	87647.3	1003.5	19.25	63	0.007403
64	0.012616	0.012537	86643.8	1086.3	18.47	64	0.008043
65	0.013683	0.013590	85557.5	1162.8	17.69	65	0.008546
66	0.015305	0.015189	84394.7	1281.9	16.93	66	0.009593
67	0.016722	0.016583	83112.9	1378.3	16.18	67	0.010562
68	0.018951	0.018773	81734.6	1534.4	15.45	68	0.011622
69	0.020627	0.020417	80200.2	1637.4	14.73	69	0.012942
70	0.021903	0.021666	78562.7	1702.1	14.03	70	0.014493
71	0.024470	0.024174	76860.6	1858.1	13.33	71	0.015631
72	0.027342	0.026973	75002.6	2023.1	12.65	72	0.017295
73	0.030405	0.029950	72979.5	2185.7	11.99	73	0.019813
74	0.033338	0.032792	70793.8	2321.4	11.34	74	0.022277
75	0.037569	0.036876	68472.3	2525.0	10.71	75	0.024420
76	0.042391	0.041511	65947.3	2737.5	10.10	76	0.028092
77	0.046605	0.045543	63209.8	2878.8	9.51	77	0.031254
78	0.051688	0.050386	60331.0	3039.8	8.94	78	0.035227
79	0.058676	0.057004	57291.2	3265.8	8.39	79	0.040522
80	0.065990	0.063882	54025.4	3451.3	7.87	80	0.046299
81	0.074273	0.071614	50574.1	3621.8	7.37	81	0.052055
82	0.082563	0.079290	46952.3	3722.8	6.90	82	0.058229
83	0.091568	0.087559	43229.5	3785.1	6.45	83	0.066184
84	0.103749	0.098632	39444.3	3890.5	6.03	84	0.074389
85	0.114908	0.108664	35553.8	3863.4	5.63	85	0.083785
86	0.129380	0.121519	31690.4	3851.0	5.26	86	0.094524
87	0.144632	0.134879	27839.4	3754.9	4.91	87	0.107397
88	0.154536	0.143452	24084.5	3455.0	4.60	88	0.118010
89	0.168584	0.155479	20629.5	3207.4	4.29	89	0.131539
90	0.188839	0.172547	17422.1	3006.1	3.99	90	0.150332
91	0.205965	0.186734	14415.9	2691.9	3.71	91	0.168437
92	0.227159	0.203990	11724.0	2391.6	3.45	92	0.191134
93	0.248401	0.220958	9332.4	2062.1	3.21	93	0.211257
94	0.266977	0.235535	7270.3	1712.4	2.98	94	0.234410
95	0.307072	0.266200	5557.9	1479.5	2.74	95	0.263073
96	0.334780	0.286777	4078.4	1169.6	2.55	96	0.289967
97	0.370919	0.312891	2908.8	910.1	2.38	97	0.310765
98	0.397336	0.331481	1998.7	662.5	2.23	98	0.350342
99	0.428116	0.352632	1336.1	471.2	2.09	99	0.372894
100	0.46384	0.37652	865	325.7	1.95	100	0.41123

ears 2007-2009

s, Females

qx	lx	dx	ex
0.004281	100000.0	428.1	82.09
0.000296	99571.9	29.5	81.44
0.000194	99542.4	19.3	80.47
0.000163	99523.1	16.2	79.48
0.000121	99506.9	12.0	78.50
0.000100	99494.9	10.0	77.51
0.000086	99484.9	8.6	76.51
0.000077	99476.3	7.7	75.52
0.000074	99468.7	7.4	74.53
0.000096	99461.3	9.5	73.53
0.000088	99451.8	8.8	72.54
0.000089	99443.0	8.9	71.55
0.000098	99434.1	9.7	70.55
0.000109	99424.4	10.8	69.56
0.000111	99413.6	11.0	68.57
0.000135	99402.5	13.4	67.57
0.000165	99389.1	16.4	66.58
0.000210	99372.8	20.8	65.59
0.000243	99351.9	24.2	64.61
0.000237	99327.8	23.6	63.62
0.000225	99304.2	22.4	62.64
0.000258	99281.8	25.6	61.65
0.000241	99256.2	23.9	60.67
0.000245	99232.3	24.3	59.68
0.000258	99208.0	25.6	58.70
0.000263	99182.4	26.1	57.71
0.000306	99156.4	30.4	56.73
0.000270	99126.0	26.8	55.74
0.000319	99099.2	31.6	54.76
0.000374	99067.6	37.0	53.78
0.000377	99030.6	37.4	52.80
0.000392	98993.2	38.8	51.82
0.000467	98954.4	46.2	50.84
0.000495	98908.2	49.0	49.86
0.000573	98859.2	56.6	48.88
0.000579	98802.6	57.2	47.91
0.000549	98745.3	54.2	46.94
0.000692	98691.2	68.3	45.96
0.000762	98622.9	75.2	45.00
0.000840	98547.7	82.8	44.03
0.000973	98464.9	95.8	43.07
0.001022	98369.1	100.6	42.11
0.001083	98268.6	106.5	41.15
0.001205	98162.1	118.3	40.19
0.001293	98043.8	126.7	39.24
0.001469	97917.1	143.9	38.29
0.001578	97773.2	154.3	37.35
0.001670	97618.9	163.1	36.41
0.001918	97455.8	186.9	35.47
0.002034	97268.9	197.8	34.53

0.002404	97071.1	233.4	33.60
0.002432	96837.7	235.5	32.68
0.002668	96602.2	257.7	31.76
0.003007	96344.5	289.7	30.85
0.003437	96054.7	330.1	29.94
0.003661	95724.6	350.5	29.04
0.003924	95374.2	374.2	28.14
0.004177	94999.9	396.8	27.25
0.004527	94603.2	428.3	26.36
0.005077	94174.9	478.1	25.48
0.005440	93696.7	509.7	24.61
0.006102	93187.1	568.6	23.74
0.006364	92618.4	589.4	22.88
0.007376	92029.0	678.8	22.03
0.008011	91350.2	731.8	21.19
0.008510	90618.4	771.2	20.35
0.009547	89847.2	857.8	19.52
0.010506	88989.4	934.9	18.71
0.011555	88054.5	1017.5	17.90
0.012859	87037.0	1119.2	17.10
0.014389	85917.8	1236.2	16.32
0.015510	84681.6	1313.4	15.55
0.017147	83368.1	1429.5	14.79
0.019619	81938.7	1607.6	14.04
0.022032	80331.1	1769.8	13.31
0.024125	78561.3	1895.3	12.60
0.027703	76666.0	2123.9	11.90
0.030773	74542.1	2293.9	11.22
0.034617	72248.2	2501.0	10.56
0.039718	69747.2	2770.2	9.92
0.045251	66977.0	3030.8	9.31
0.050735	63946.2	3244.3	8.73
0.056582	60701.9	3434.6	8.17
0.064064	57267.3	3668.8	7.63
0.071721	53598.5	3844.2	7.12
0.080416	49754.3	4001.1	6.63
0.090258	45753.3	4129.6	6.17
0.101924	41623.7	4242.4	5.73
0.111435	37381.2	4165.6	5.32
0.123422	33215.6	4099.5	4.93
0.139822	29116.1	4071.1	4.55
0.155353	25045.0	3890.8	4.21
0.174461	21154.2	3690.6	3.89
0.191074	17463.6	3336.8	3.60
0.209818	14126.8	2964.1	3.34
0.232492	11162.7	2595.2	3.09
0.253250	8567.5	2169.7	2.88
0.268971	6397.8	1720.8	2.68
0.298120	4676.9	1394.3	2.49
0.314295	3282.7	1031.7	2.33
0.34110	2250.9	767.8	2.17

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005393	0.005379	100000.0	537.9	77.70
1	0.000400	0.000400	99462.1	39.8	77.12
2	0.000236	0.000236	99422.3	23.5	76.15
3	0.000164	0.000164	99398.9	16.3	75.17
4	0.000137	0.000137	99382.5	13.6	74.18
5	0.000134	0.000134	99368.9	13.3	73.19
6	0.000103	0.000103	99355.6	10.3	72.20
7	0.000099	0.000099	99345.3	9.8	71.21
8	0.000123	0.000123	99335.5	12.2	70.22
9	0.000117	0.000117	99323.3	11.6	69.23
10	0.000101	0.000101	99311.8	10.1	68.23
11	0.000112	0.000112	99301.7	11.1	67.24
12	0.000115	0.000115	99290.6	11.4	66.25
13	0.000154	0.000154	99279.1	15.3	65.26
14	0.000170	0.000170	99263.8	16.9	64.27
15	0.000228	0.000228	99246.9	22.7	63.28
16	0.000337	0.000337	99224.3	33.5	62.29
17	0.000495	0.000495	99190.8	49.1	61.31
18	0.000556	0.000555	99141.7	55.1	60.34
19	0.000615	0.000615	99086.7	60.9	59.38
20	0.000687	0.000687	99025.8	68.0	58.41
21	0.000648	0.000648	98957.7	64.1	57.45
22	0.000681	0.000681	98893.6	67.4	56.49
23	0.000668	0.000667	98826.2	65.9	55.53
24	0.000680	0.000680	98760.3	67.1	54.56
25	0.000686	0.000686	98693.2	67.7	53.60
26	0.000718	0.000718	98625.5	70.8	52.64
27	0.000738	0.000737	98554.7	72.7	51.67
28	0.000775	0.000775	98482.0	76.3	50.71
29	0.000785	0.000785	98405.7	77.2	49.75
30	0.000855	0.000855	98328.4	84.1	48.79
31	0.000903	0.000903	98244.4	88.7	47.83
32	0.000986	0.000986	98155.7	96.8	46.87
33	0.001028	0.001027	98058.9	100.7	45.92
34	0.001085	0.001084	97958.2	106.2	44.97
35	0.001204	0.001203	97852.0	117.7	44.01
36	0.001206	0.001205	97734.3	117.8	43.07
37	0.001228	0.001227	97616.6	119.8	42.12
38	0.001374	0.001373	97496.7	133.8	41.17
39	0.001420	0.001418	97362.9	138.1	40.23
40	0.001523	0.001522	97224.8	148.0	39.28
41	0.001657	0.001656	97076.8	160.7	38.34
42	0.001796	0.001794	96916.1	173.9	37.40
43	0.001917	0.001915	96742.2	185.2	36.47
44	0.002050	0.002048	96556.9	197.7	35.54
45	0.002246	0.002243	96359.2	216.2	34.61
46	0.002442	0.002439	96143.1	234.5	33.69
47	0.002687	0.002683	95908.5	257.3	32.77
48	0.002905	0.002901	95651.2	277.5	31.86
49	0.003195	0.003190	95373.7	304.2	30.95

National life table

age	mx
0	0.004435
1	0.000345
2	0.000202
3	0.000162
4	0.000115
5	0.000098
6	0.000093
7	0.000076
8	0.000091
9	0.000073
10	0.000084
11	0.000089
12	0.000098
13	0.000116
14	0.000108
15	0.000143
16	0.000169
17	0.000232
18	0.000257
19	0.000246
20	0.000228
21	0.000251
22	0.000257
23	0.000243
24	0.000275
25	0.000263
26	0.000325
27	0.000279
28	0.000331
29	0.000352
30	0.000384
31	0.000374
32	0.000448
33	0.000517
34	0.000553
35	0.000573
36	0.000584
37	0.000700
38	0.000770
39	0.000855
40	0.000943
41	0.001024
42	0.001102
43	0.001237
44	0.001303
45	0.001475
46	0.001583
47	0.001734
48	0.002029
49	0.002063

50	0.003522	0.003516	95069.5	334.3	30.04	50	0.002495
51	0.003887	0.003879	94735.2	367.5	29.15	51	0.002598
52	0.004202	0.004193	94367.7	395.7	28.26	52	0.002734
53	0.004765	0.004754	93972.0	446.7	27.38	53	0.003048
54	0.005175	0.005161	93525.3	482.7	26.51	54	0.003429
55	0.005714	0.005698	93042.6	530.1	25.64	55	0.003685
56	0.006306	0.006286	92512.5	581.6	24.78	56	0.003997
57	0.006697	0.006674	91930.9	613.6	23.94	57	0.004224
58	0.007261	0.007234	91317.3	660.6	23.10	58	0.004568
59	0.007787	0.007757	90656.7	703.2	22.26	59	0.005150
60	0.008516	0.008480	89953.5	762.8	21.43	60	0.005496
61	0.009660	0.009613	89190.7	857.4	20.61	61	0.006337
62	0.010814	0.010756	88333.3	950.1	19.80	62	0.006669
63	0.011893	0.011823	87383.2	1033.1	19.01	63	0.007492
64	0.013037	0.012953	86350.1	1118.5	18.24	64	0.008243
65	0.014460	0.014356	85231.6	1223.6	17.47	65	0.008850
66	0.015936	0.015810	84008.0	1328.2	16.72	66	0.009817
67	0.017294	0.017146	82679.8	1417.6	15.98	67	0.010957
68	0.019297	0.019112	81262.2	1553.1	15.25	68	0.012051
69	0.021022	0.020803	79709.1	1658.2	14.53	69	0.013203
70	0.022745	0.022489	78050.9	1755.3	13.83	70	0.014749
71	0.025341	0.025024	76295.6	1909.2	13.14	71	0.016068
72	0.028333	0.027937	74386.4	2078.2	12.46	72	0.017996
73	0.031356	0.030872	72308.3	2232.3	11.81	73	0.020584
74	0.034598	0.034009	70076.0	2383.2	11.17	74	0.023049
75	0.039142	0.038390	67692.8	2598.7	10.54	75	0.025483
76	0.043643	0.042711	65094.0	2780.2	9.94	76	0.028958
77	0.048551	0.047400	62313.8	2953.7	9.36	77	0.032545
78	0.053998	0.052578	59360.1	3121.1	8.81	78	0.036658
79	0.061165	0.059350	56239.1	3337.8	8.27	79	0.042154
80	0.067984	0.065749	52901.3	3478.2	7.76	80	0.047330
81	0.076262	0.073461	49423.1	3630.6	7.27	81	0.053680
82	0.085577	0.082065	45792.4	3758.0	6.80	82	0.059613
83	0.094931	0.090629	42034.5	3809.6	6.37	83	0.067652
84	0.106476	0.101094	38224.9	3864.3	5.95	84	0.076621
85	0.118400	0.111783	34360.6	3840.9	5.57	85	0.086051
86	0.133657	0.125285	30519.7	3823.7	5.20	86	0.096854
87	0.140263	0.131071	26696.0	3499.1	4.88	87	0.106169
88	0.154604	0.143510	23197.0	3329.0	4.54	88	0.121022
89	0.168158	0.155116	19868.0	3081.8	4.21	89	0.131938
90	0.194870	0.177568	16786.1	2980.7	3.90	90	0.153323
91	0.213313	0.192754	13805.4	2661.1	3.63	91	0.173039
92	0.234188	0.209640	11144.4	2336.3	3.38	92	0.194994
93	0.257703	0.228288	8808.1	2010.8	3.14	93	0.217737
94	0.274511	0.241380	6797.3	1640.7	2.92	94	0.240497
95	0.311798	0.269745	5156.6	1391.0	2.69	95	0.269156
96	0.342625	0.292514	3765.6	1101.5	2.50	96	0.299894
97	0.384813	0.322719	2664.1	859.8	2.33	97	0.316954
98	0.409228	0.339717	1804.4	613.0	2.20	98	0.354924
99	0.434936	0.357246	1191.4	425.6	2.07	99	0.379718
100	0.46767	0.37904	765.8	290.3	1.94	100	0.41767

ears 2006-2008

s, Females

qx	lx	dx	ex
0.004425	100000.0	442.5	81.85
0.000345	99557.5	34.4	81.21
0.000202	99523.2	20.1	80.24
0.000162	99503.0	16.2	79.25
0.000115	99486.9	11.4	78.27
0.000098	99475.5	9.8	77.28
0.000093	99465.7	9.2	76.28
0.000076	99456.4	7.5	75.29
0.000091	99448.9	9.0	74.30
0.000073	99439.9	7.3	73.30
0.000084	99432.6	8.4	72.31
0.000089	99424.2	8.9	71.31
0.000098	99415.3	9.7	70.32
0.000116	99405.6	11.5	69.33
0.000108	99394.1	10.8	68.34
0.000143	99383.4	14.2	67.34
0.000169	99369.2	16.8	66.35
0.000232	99352.4	23.1	65.36
0.000257	99329.3	25.5	64.38
0.000246	99303.8	24.5	63.40
0.000228	99279.4	22.6	62.41
0.000251	99256.8	24.9	61.42
0.000257	99231.8	25.5	60.44
0.000243	99206.4	24.1	59.46
0.000275	99182.3	27.3	58.47
0.000263	99155.0	26.1	57.49
0.000325	99128.9	32.2	56.50
0.000279	99096.7	27.7	55.52
0.000331	99069.0	32.8	54.53
0.000352	99036.3	34.9	53.55
0.000384	99001.4	38.0	52.57
0.000374	98963.4	37.0	51.59
0.000448	98926.4	44.3	50.61
0.000517	98882.2	51.1	49.63
0.000553	98831.1	54.6	48.66
0.000573	98776.4	56.6	47.68
0.000584	98719.9	57.6	46.71
0.000700	98662.2	69.0	45.74
0.000770	98593.2	75.9	44.77
0.000855	98517.3	84.2	43.80
0.000942	98433.1	92.8	42.84
0.001024	98340.3	100.7	41.88
0.001102	98239.6	108.2	40.92
0.001237	98131.4	121.3	39.97
0.001302	98010.0	127.6	39.02
0.001474	97882.4	144.3	38.07
0.001582	97738.1	154.6	37.12
0.001733	97583.5	169.1	36.18
0.002026	97414.5	197.4	35.24
0.002061	97217.0	200.4	34.31

0.002492	97016.7	241.7	33.38
0.002594	96774.9	251.1	32.47
0.002731	96523.9	263.6	31.55
0.003043	96260.3	293.0	30.63
0.003423	95967.3	328.5	29.73
0.003678	95638.8	351.7	28.83
0.003989	95287.1	380.1	27.93
0.004215	94907.0	400.0	27.04
0.004558	94507.0	430.7	26.15
0.005137	94076.3	483.3	25.27
0.005481	93593.0	513.0	24.40
0.006317	93080.0	588.0	23.53
0.006647	92492.0	614.8	22.68
0.007464	91877.2	685.8	21.82
0.008210	91191.4	748.6	20.98
0.008811	90442.8	796.9	20.15
0.009770	89645.9	875.8	19.33
0.010897	88770.1	967.3	18.51
0.011979	87802.7	1051.8	17.71
0.013117	86751.0	1137.9	16.92
0.014641	85613.1	1253.4	16.14
0.015940	84359.6	1344.7	15.37
0.017836	83014.9	1480.6	14.61
0.020375	81534.3	1661.2	13.87
0.022787	79873.1	1820.0	13.15
0.025162	78053.0	1964.0	12.44
0.028545	76089.1	2172.0	11.75
0.032024	73917.1	2367.1	11.08
0.035998	71550.0	2575.7	10.43
0.041284	68974.4	2847.5	9.80
0.046236	66126.8	3057.4	9.20
0.052277	63069.4	3297.1	8.63
0.057887	59772.3	3460.1	8.07
0.065439	56312.2	3685.0	7.54
0.073794	52627.2	3883.6	7.03
0.082501	48743.7	4021.4	6.55
0.092380	44722.3	4131.5	6.10
0.100817	40590.8	4092.2	5.67
0.114116	36498.6	4165.1	5.24
0.123773	32333.5	4002.0	4.86
0.142406	28331.5	4034.6	4.47
0.159260	24296.9	3869.5	4.13
0.177671	20427.4	3629.4	3.82
0.196360	16798.0	3298.5	3.54
0.214682	13499.6	2898.1	3.28
0.237230	10601.5	2515.0	3.04
0.260789	8086.5	2108.9	2.83
0.273595	5977.6	1635.4	2.65
0.301432	4342.2	1308.9	2.45
0.319129	3033.3	968.0	2.30
0.34552	2065.3	713.6	2.14

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005523	0.005508	100000.0	550.8	77.45
1	0.000417	0.000417	99449.2	41.4	76.88
2	0.000250	0.000250	99407.8	24.9	75.91
3	0.000165	0.000165	99382.9	16.4	74.93
4	0.000135	0.000135	99366.5	13.4	73.95
5	0.000120	0.000120	99353.1	11.9	72.96
6	0.000122	0.000122	99341.2	12.1	71.96
7	0.000090	0.000090	99329.1	9.0	70.97
8	0.000112	0.000112	99320.1	11.1	69.98
9	0.000115	0.000115	99309.0	11.4	68.99
10	0.000100	0.000100	99297.6	9.9	68.00
11	0.000128	0.000128	99287.7	12.7	67.00
12	0.000140	0.000140	99275.0	13.9	66.01
13	0.000171	0.000171	99261.0	17.0	65.02
14	0.000187	0.000187	99244.0	18.6	64.03
15	0.000232	0.000232	99225.5	23.1	63.04
16	0.000332	0.000332	99202.4	32.9	62.06
17	0.000520	0.000520	99169.5	51.6	61.08
18	0.000588	0.000588	99117.9	58.3	60.11
19	0.000642	0.000641	99059.6	63.5	59.14
20	0.000662	0.000662	98996.0	65.5	58.18
21	0.000672	0.000672	98930.5	66.4	57.22
22	0.000698	0.000698	98864.1	69.0	56.26
23	0.000681	0.000680	98795.1	67.2	55.30
24	0.000673	0.000673	98727.9	66.4	54.33
25	0.000741	0.000740	98661.5	73.0	53.37
26	0.000705	0.000705	98588.4	69.5	52.41
27	0.000750	0.000750	98519.0	73.9	51.45
28	0.000733	0.000732	98445.1	72.1	50.48
29	0.000801	0.000800	98372.9	78.7	49.52
30	0.000879	0.000879	98294.2	86.4	48.56
31	0.000897	0.000897	98207.8	88.1	47.60
32	0.001013	0.001013	98119.8	99.4	46.65
33	0.001044	0.001043	98020.4	102.2	45.69
34	0.001074	0.001074	97918.1	105.2	44.74
35	0.001139	0.001139	97813.0	111.4	43.79
36	0.001227	0.001226	97701.6	119.8	42.84
37	0.001279	0.001279	97581.8	124.8	41.89
38	0.001297	0.001296	97457.1	126.3	40.94
39	0.001399	0.001398	97330.8	136.1	39.99
40	0.001515	0.001514	97194.7	147.1	39.05
41	0.001661	0.001660	97047.6	161.1	38.11
42	0.001799	0.001797	96886.5	174.1	37.17
43	0.001947	0.001945	96712.4	188.1	36.24
44	0.002069	0.002067	96524.2	199.5	35.31
45	0.002292	0.002289	96324.7	220.5	34.38
46	0.002450	0.002447	96104.2	235.2	33.46
47	0.002682	0.002679	95869.0	256.8	32.54
48	0.003015	0.003010	95612.2	287.8	31.62
49	0.003244	0.003238	95324.4	308.7	30.72

National life table

age	mx
0	0.004494
1	0.000362
2	0.000190
3	0.000150
4	0.000096
5	0.000093
6	0.000099
7	0.000084
8	0.000082
9	0.000067
10	0.000091
11	0.000093
12	0.000114
13	0.000118
14	0.000125
15	0.000137
16	0.000197
17	0.000238
18	0.000258
19	0.000252
20	0.000244
21	0.000247
22	0.000264
23	0.000262
24	0.000280
25	0.000275
26	0.000322
27	0.000313
28	0.000348
29	0.000349
30	0.000377
31	0.000376
32	0.000443
33	0.000509
34	0.000544
35	0.000564
36	0.000616
37	0.000717
38	0.000752
39	0.000849
40	0.000939
41	0.000988
42	0.001115
43	0.001235
44	0.001337
45	0.001471
46	0.001536
47	0.001786
48	0.002097
49	0.002161

50	0.003588	0.003582	95015.7	340.3	29.81	50	0.002495
51	0.004014	0.004006	94675.4	379.3	28.92	51	0.002606
52	0.004315	0.004306	94296.1	406.1	28.03	52	0.002829
53	0.004805	0.004794	93890.0	450.1	27.15	53	0.003116
54	0.005204	0.005191	93440.0	485.0	26.28	54	0.003432
55	0.005767	0.005751	92954.9	534.5	25.42	55	0.003697
56	0.006271	0.006252	92420.4	577.8	24.56	56	0.004078
57	0.006735	0.006713	91842.6	616.5	23.71	57	0.004374
58	0.007336	0.007310	91226.1	666.8	22.87	58	0.004618
59	0.007917	0.007886	90559.2	714.2	22.03	59	0.005146
60	0.008853	0.008814	89845.1	791.9	21.20	60	0.005471
61	0.010115	0.010064	89053.2	896.3	20.39	61	0.006500
62	0.011049	0.010988	88156.9	968.7	19.59	62	0.006777
63	0.012196	0.012122	87188.3	1056.9	18.80	63	0.007666
64	0.013587	0.013495	86131.4	1162.3	18.03	64	0.008412
65	0.015008	0.014896	84969.1	1265.7	17.27	65	0.009060
66	0.016370	0.016237	83703.4	1359.1	16.52	66	0.010305
67	0.017687	0.017532	82344.2	1443.7	15.79	67	0.011202
68	0.019631	0.019440	80900.6	1572.7	15.06	68	0.012257
69	0.021424	0.021197	79327.9	1681.5	14.35	69	0.013545
70	0.023304	0.023035	77646.4	1788.6	13.65	70	0.014960
71	0.026462	0.026117	75857.8	1981.2	12.96	71	0.016442
72	0.029374	0.028949	73876.6	2138.6	12.29	72	0.018634
73	0.032276	0.031763	71738.0	2278.6	11.64	73	0.020751
74	0.036413	0.035762	69459.3	2484.0	11.01	74	0.023562
75	0.040142	0.039352	66975.3	2635.6	10.40	75	0.026331
76	0.045606	0.044589	64339.7	2868.9	9.80	76	0.029878
77	0.050628	0.049378	61470.8	3035.3	9.24	77	0.033657
78	0.056216	0.054679	58435.5	3195.2	8.69	78	0.037856
79	0.062863	0.060947	55240.4	3366.7	8.16	79	0.043460
80	0.070144	0.067768	51873.6	3515.4	7.66	80	0.048110
81	0.078770	0.075786	48358.3	3664.9	7.18	81	0.054584
82	0.087923	0.084220	44693.4	3764.1	6.73	82	0.060771
83	0.097463	0.092934	40929.3	3803.7	6.30	83	0.069307
84	0.109039	0.103402	37125.6	3838.8	5.90	84	0.077768
85	0.120004	0.113211	33286.7	3768.4	5.52	85	0.087742
86	0.131019	0.122964	29518.3	3629.7	5.16	86	0.095775
87	0.142253	0.132807	25888.6	3438.2	4.81	87	0.107437
88	0.153806	0.142822	22450.5	3206.4	4.47	88	0.119874
89	0.188576	0.172327	19244.0	3316.3	4.14	89	0.142501
90	0.195783	0.178326	15927.8	2840.3	3.89	90	0.154038
91	0.213635	0.193017	13087.4	2526.1	3.63	91	0.173685
92	0.235421	0.210628	10561.3	2224.5	3.38	92	0.194201
93	0.260391	0.230394	8336.8	1920.8	3.15	93	0.219619
94	0.272482	0.239810	6416.1	1538.6	2.94	94	0.241002
95	0.312087	0.269961	4877.4	1316.7	2.71	95	0.271988
96	0.337464	0.288743	3560.7	1028.1	2.53	96	0.297532
97	0.381631	0.320479	2532.6	811.6	2.35	97	0.313419
98	0.414996	0.343683	1720.9	591.5	2.23	98	0.349431
99	0.417623	0.345482	1129.5	390.2	2.13	99	0.378725
100	0.444407	0.36339	739.3	268.6	2	100	0.41098

ears 2005-2007

s, Females

qx	lx	dx	ex
0.004484	100000.0	448.4	81.67
0.000362	99551.6	36.0	81.04
0.000190	99515.6	18.9	80.07
0.000150	99496.6	14.9	79.09
0.000096	99481.7	9.6	78.10
0.000093	99472.1	9.3	77.11
0.000099	99462.8	9.9	76.11
0.000084	99453.0	8.4	75.12
0.000082	99444.6	8.2	74.13
0.000067	99436.4	6.7	73.13
0.000091	99429.7	9.0	72.14
0.000093	99420.6	9.2	71.14
0.000114	99411.4	11.4	70.15
0.000118	99400.1	11.8	69.16
0.000125	99388.3	12.4	68.17
0.000137	99375.9	13.6	67.17
0.000197	99362.3	19.5	66.18
0.000238	99342.8	23.7	65.20
0.000258	99319.1	25.7	64.21
0.000252	99293.4	25.0	63.23
0.000244	99268.4	24.2	62.24
0.000247	99244.2	24.5	61.26
0.000264	99219.7	26.2	60.27
0.000262	99193.5	26.0	59.29
0.000280	99167.5	27.8	58.31
0.000275	99139.7	27.3	57.32
0.000322	99112.4	31.9	56.34
0.000313	99080.5	31.0	55.36
0.000348	99049.5	34.5	54.37
0.000349	99015.0	34.6	53.39
0.000377	98980.4	37.3	52.41
0.000376	98943.1	37.2	51.43
0.000442	98905.9	43.8	50.45
0.000509	98862.2	50.3	49.47
0.000543	98811.9	53.7	48.50
0.000564	98758.2	55.7	47.52
0.000616	98702.4	60.8	46.55
0.000717	98641.6	70.7	45.58
0.000752	98570.9	74.1	44.61
0.000849	98496.8	83.6	43.64
0.000939	98413.2	92.4	42.68
0.000988	98320.8	97.1	41.72
0.001114	98223.7	109.4	40.76
0.001234	98114.2	121.1	39.80
0.001336	97993.2	130.9	38.85
0.001470	97862.2	143.9	37.90
0.001535	97718.3	150.0	36.96
0.001785	97568.3	174.1	36.02
0.002095	97394.2	204.0	35.08
0.002159	97190.2	209.8	34.15

0.002492	96980.4	241.7	33.22
0.002603	96738.7	251.8	32.31
0.002825	96486.9	272.6	31.39
0.003112	96214.4	299.4	30.48
0.003426	95915.0	328.6	29.57
0.003690	95586.3	352.7	28.67
0.004070	95233.6	387.6	27.77
0.004364	94846.0	413.9	26.89
0.004607	94432.1	435.1	26.00
0.005133	93997.0	482.5	25.12
0.005456	93514.5	510.2	24.25
0.006479	93004.3	602.6	23.38
0.006754	92401.7	624.1	22.53
0.007637	91777.6	700.9	21.68
0.008376	91076.7	762.9	20.84
0.009019	90313.8	814.5	20.01
0.010253	89499.3	917.6	19.19
0.011139	88581.7	986.7	18.38
0.012183	87594.9	1067.1	17.58
0.013454	86527.8	1164.1	16.79
0.014849	85363.7	1267.6	16.02
0.016308	84096.1	1371.5	15.25
0.018462	82724.7	1527.3	14.49
0.020538	81197.4	1667.7	13.76
0.023288	79529.7	1852.1	13.04
0.025989	77677.6	2018.8	12.33
0.029439	75658.9	2227.3	11.65
0.033100	73431.6	2430.6	10.99
0.037153	71001.0	2637.9	10.35
0.042535	68363.1	2907.9	9.73
0.046980	65455.3	3075.1	9.14
0.053134	62380.2	3314.5	8.56
0.058979	59065.7	3483.6	8.02
0.066986	55582.1	3723.2	7.49
0.074857	51858.9	3882.0	6.99
0.084055	47976.9	4032.7	6.51
0.091398	43944.2	4016.4	6.06
0.101960	39927.8	4071.0	5.62
0.113095	35856.8	4055.2	5.21
0.133023	31801.5	4230.3	4.81
0.143022	27571.2	3943.3	4.47
0.159807	23627.9	3775.9	4.13
0.177013	19852.0	3514.1	3.82
0.197889	16337.9	3233.1	3.53
0.215085	13104.8	2818.6	3.28
0.239428	10286.2	2462.8	3.04
0.259001	7823.4	2026.3	2.85
0.270958	5797.1	1570.8	2.67
0.297460	4226.3	1257.2	2.47
0.318427	2969.2	945.5	2.30
0.34092	2023.7	689.9	2.15

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005608	0.005593	100000.0	559.3	77.16
1	0.000415	0.000415	99440.7	41.2	76.60
2	0.000231	0.000231	99399.5	22.9	75.63
3	0.000177	0.000177	99376.6	17.6	74.65
4	0.000128	0.000128	99359.0	12.7	73.66
5	0.000105	0.000105	99346.3	10.5	72.67
6	0.000117	0.000117	99335.8	11.6	71.68
7	0.000092	0.000092	99324.2	9.1	70.68
8	0.000108	0.000108	99315.1	10.7	69.69
9	0.000112	0.000112	99304.4	11.1	68.70
10	0.000123	0.000123	99293.3	12.2	67.71
11	0.000121	0.000121	99281.1	12.0	66.71
12	0.000151	0.000151	99269.0	14.9	65.72
13	0.000167	0.000167	99254.1	16.6	64.73
14	0.000193	0.000193	99237.5	19.2	63.74
15	0.000236	0.000236	99218.3	23.5	62.75
16	0.000333	0.000333	99194.9	33.0	61.77
17	0.000532	0.000532	99161.8	52.8	60.79
18	0.000623	0.000623	99109.1	61.8	59.82
19	0.000651	0.000651	99047.3	64.4	58.86
20	0.000691	0.000691	98982.9	68.4	57.90
21	0.000648	0.000647	98914.5	64.0	56.94
22	0.000744	0.000744	98850.4	73.5	55.97
23	0.000731	0.000731	98776.9	72.2	55.01
24	0.000687	0.000686	98704.7	67.8	54.05
25	0.000769	0.000769	98637.0	75.8	53.09
26	0.000738	0.000737	98561.2	72.7	52.13
27	0.000788	0.000787	98488.5	77.5	51.17
28	0.000731	0.000731	98410.9	72.0	50.21
29	0.000836	0.000835	98339.0	82.1	49.25
30	0.000870	0.000870	98256.8	85.5	48.29
31	0.000917	0.000916	98171.4	90.0	47.33
32	0.001034	0.001034	98081.4	101.4	46.37
33	0.001038	0.001037	97980.0	101.6	45.42
34	0.001057	0.001057	97878.4	103.4	44.47
35	0.001164	0.001163	97774.9	113.7	43.51
36	0.001262	0.001261	97661.2	123.2	42.56
37	0.001305	0.001304	97538.1	127.2	41.62
38	0.001307	0.001306	97410.9	127.3	40.67
39	0.001409	0.001408	97283.6	137.0	39.72
40	0.001537	0.001536	97146.6	149.2	38.78
41	0.001645	0.001644	96997.4	159.5	37.84
42	0.001787	0.001786	96838.0	172.9	36.90
43	0.002027	0.002025	96665.0	195.8	35.96
44	0.002140	0.002137	96469.3	206.2	35.03
45	0.002302	0.002299	96263.1	221.3	34.11
46	0.002480	0.002477	96041.8	237.9	33.19
47	0.002769	0.002766	95803.8	265.0	32.27
48	0.003112	0.003107	95538.9	296.9	31.36
49	0.003386	0.003380	95242.0	322.0	30.45

National life table

age	mx
0	0.004606
1	0.000381
2	0.000199
3	0.000146
4	0.000109
5	0.000094
6	0.000109
7	0.000085
8	0.000087
9	0.000064
10	0.000079
11	0.000086
12	0.000116
13	0.000124
14	0.000123
15	0.000153
16	0.000212
17	0.000230
18	0.000262
19	0.000293
20	0.000268
21	0.000259
22	0.000277
23	0.000292
24	0.000272
25	0.000308
26	0.000339
27	0.000340
28	0.000360
29	0.000352
30	0.000406
31	0.000404
32	0.000444
33	0.000514
34	0.000550
35	0.000575
36	0.000659
37	0.000731
38	0.000783
39	0.000860
40	0.000895
41	0.000988
42	0.001123
43	0.001239
44	0.001387
45	0.001483
46	0.001609
47	0.001843
48	0.002101
49	0.002198

50	0.003695	0.003689	94920.0	350.1	29.55	50	0.002550
51	0.004203	0.004195	94569.9	396.7	28.66	51	0.002669
52	0.004506	0.004496	94173.2	423.4	27.78	52	0.002862
53	0.004831	0.004820	93749.9	451.8	26.90	53	0.003144
54	0.005306	0.005292	93298.0	493.7	26.03	54	0.003414
55	0.005708	0.005692	92804.3	528.2	25.17	55	0.003637
56	0.006189	0.006170	92276.1	569.4	24.31	56	0.004124
57	0.006871	0.006848	91706.7	628.0	23.45	57	0.004440
58	0.007299	0.007273	91078.7	662.4	22.61	58	0.004714
59	0.008034	0.008002	90416.3	723.5	21.78	59	0.005284
60	0.009403	0.009359	89692.8	839.4	20.95	60	0.005686
61	0.010313	0.010260	88853.5	911.6	20.14	61	0.006408
62	0.011462	0.011396	87941.8	1002.2	19.34	62	0.007006
63	0.012520	0.012442	86939.6	1081.7	18.56	63	0.007726
64	0.013999	0.013902	85857.9	1193.6	17.79	64	0.008619
65	0.015361	0.015244	84664.3	1290.6	17.03	65	0.009296
66	0.016732	0.016593	83373.7	1383.4	16.29	66	0.010491
67	0.018316	0.018150	81990.3	1488.1	15.55	67	0.011425
68	0.020237	0.020034	80502.2	1612.8	14.83	68	0.012803
69	0.022181	0.021938	78889.4	1730.7	14.13	69	0.013841
70	0.024617	0.024318	77158.7	1876.3	13.43	70	0.015169
71	0.027536	0.027162	75282.4	2044.8	12.75	71	0.016860
72	0.030779	0.030313	73237.6	2220.0	12.10	72	0.019353
73	0.033792	0.033231	71017.5	2360.0	11.46	73	0.021448
74	0.037733	0.037034	68657.6	2542.7	10.83	74	0.024375
75	0.041966	0.041103	66114.9	2717.5	10.23	75	0.027520
76	0.047280	0.046188	63397.3	2928.2	9.65	76	0.030902
77	0.052657	0.051306	60469.1	3102.4	9.09	77	0.034672
78	0.058803	0.057124	57366.7	3277.0	8.56	78	0.039484
79	0.065678	0.063590	54089.7	3439.6	8.05	79	0.044057
80	0.072967	0.070398	50650.2	3565.7	7.56	80	0.048825
81	0.080500	0.077385	47084.5	3643.6	7.09	81	0.055745
82	0.090131	0.086244	43440.8	3746.5	6.65	82	0.061916
83	0.100236	0.095452	39694.3	3788.9	6.23	83	0.069983
84	0.112248	0.106283	35905.4	3816.1	5.83	84	0.078927
85	0.118385	0.111770	32089.3	3586.6	5.46	85	0.087025
86	0.133713	0.125334	28502.7	3572.3	5.09	86	0.097548
87	0.144025	0.134350	24930.3	3349.4	4.74	87	0.108610
88	0.169654	0.156388	21580.9	3375.0	4.40	88	0.128730
89	0.188337	0.172128	18205.9	3133.7	4.13	89	0.143210
90	0.194308	0.177102	15072.2	2669.3	3.88	90	0.155044
91	0.218653	0.197105	12402.9	2444.7	3.61	91	0.175945
92	0.236089	0.211163	9958.2	2102.8	3.37	92	0.196551
93	0.260727	0.230658	7855.4	1811.9	3.14	93	0.219721
94	0.281288	0.246604	6043.5	1490.4	2.93	94	0.245764
95	0.312783	0.270482	4553.1	1231.5	2.73	95	0.269363
96	0.337453	0.288735	3321.6	959.1	2.56	96	0.293376
97	0.378540	0.318296	2362.5	752.0	2.39	97	0.318597
98	0.396867	0.331155	1610.6	533.3	2.27	98	0.349835
99	0.411481	0.341268	1077.2	367.6	2.15	99	0.380817
100	0.44608	0.36473	709.6	258.8	2.01	100	0.39829

ears 2004-2006

s, Females

qx	lx	dx	ex
0.004596	100000.0	459.6	81.47
0.000381	99540.4	37.9	80.84
0.000199	99502.5	19.8	79.87
0.000146	99482.7	14.5	78.89
0.000109	99468.2	10.9	77.90
0.000094	99457.4	9.3	76.91
0.000109	99448.0	10.8	75.91
0.000085	99437.2	8.5	74.92
0.000087	99428.8	8.7	73.93
0.000064	99420.1	6.3	72.94
0.000079	99413.7	7.8	71.94
0.000086	99405.9	8.5	70.95
0.000116	99397.4	11.5	69.95
0.000124	99385.9	12.3	68.96
0.000123	99373.5	12.3	67.97
0.000153	99361.3	15.2	66.98
0.000212	99346.1	21.0	65.99
0.000229	99325.0	22.8	65.00
0.000262	99302.2	26.0	64.02
0.000293	99276.3	29.1	63.03
0.000268	99247.2	26.6	62.05
0.000259	99220.5	25.7	61.07
0.000277	99194.9	27.5	60.08
0.000292	99167.3	29.0	59.10
0.000272	99138.4	27.0	58.12
0.000308	99111.4	30.5	57.13
0.000339	99080.8	33.6	56.15
0.000340	99047.2	33.7	55.17
0.000360	99013.5	35.7	54.19
0.000352	98977.8	34.8	53.21
0.000405	98943.0	40.1	52.22
0.000404	98902.9	40.0	51.25
0.000444	98862.9	43.9	50.27
0.000514	98819.1	50.8	49.29
0.000549	98768.3	54.3	48.31
0.000575	98714.0	56.7	47.34
0.000659	98657.3	65.0	46.37
0.000731	98592.3	72.1	45.40
0.000782	98520.2	77.1	44.43
0.000860	98443.1	84.7	43.46
0.000895	98358.5	88.0	42.50
0.000988	98270.5	97.1	41.54
0.001123	98173.4	110.2	40.58
0.001239	98063.2	121.5	39.62
0.001386	97941.7	135.8	38.67
0.001481	97805.9	144.9	37.73
0.001607	97661.1	157.0	36.78
0.001842	97504.1	179.6	35.84
0.002098	97324.5	204.2	34.90
0.002196	97120.3	213.3	33.98

0.002547	96907.0	246.8	33.05
0.002666	96660.2	257.7	32.13
0.002858	96402.5	275.5	31.22
0.003139	96127.0	301.7	30.31
0.003409	95825.3	326.6	29.40
0.003631	95498.6	346.7	28.50
0.004115	95151.9	391.6	27.60
0.004430	94760.3	419.8	26.71
0.004703	94340.6	443.7	25.83
0.005270	93896.9	494.9	24.95
0.005670	93402.0	529.6	24.08
0.006388	92872.4	593.3	23.21
0.006982	92279.2	644.3	22.36
0.007696	91634.9	705.2	21.51
0.008582	90929.7	780.4	20.68
0.009253	90149.4	834.1	19.85
0.010436	89315.2	932.1	19.03
0.011360	88383.1	1004.1	18.23
0.012721	87379.1	1111.6	17.43
0.013746	86267.5	1185.8	16.65
0.015055	85081.7	1280.9	15.87
0.016720	83800.8	1401.1	15.11
0.019168	82399.7	1579.4	14.36
0.021221	80820.2	1715.1	13.63
0.024082	79105.2	1905.0	12.91
0.027146	77200.2	2095.7	12.22
0.030432	75104.5	2285.6	11.55
0.034081	72818.9	2481.7	10.89
0.038720	70337.2	2723.5	10.26
0.043107	67613.7	2914.7	9.65
0.047661	64699.1	3083.6	9.07
0.054233	61615.5	3341.6	8.49
0.060056	58273.8	3499.7	7.95
0.067617	54774.1	3703.6	7.43
0.075931	51070.5	3877.8	6.93
0.083396	47192.6	3935.7	6.46
0.093012	43257.0	4023.4	6.00
0.103015	39233.6	4041.7	5.57
0.120945	35191.9	4256.3	5.15
0.133641	30935.6	4134.3	4.79
0.143889	26801.3	3856.4	4.45
0.161719	22944.9	3710.6	4.11
0.178963	19234.3	3442.2	3.81
0.197972	15792.1	3126.4	3.53
0.218869	12665.7	2772.1	3.28
0.237391	9893.6	2348.6	3.06
0.255846	7544.9	1930.3	2.85
0.274819	5614.6	1543.0	2.66
0.297753	4071.6	1212.3	2.48
0.319904	2859.3	914.7	2.32
0.33215	1944.6	645.9	2.17

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005711	0.005694	100000.0	569.4	76.79
1	0.000403	0.000403	99430.6	40.1	76.23
2	0.000244	0.000244	99390.5	24.2	75.26
3	0.000197	0.000197	99366.3	19.6	74.28
4	0.000139	0.000139	99346.7	13.8	73.29
5	0.000114	0.000114	99332.8	11.3	72.30
6	0.000132	0.000132	99321.5	13.1	71.31
7	0.000094	0.000094	99308.4	9.4	70.32
8	0.000105	0.000105	99299.0	10.4	69.33
9	0.000105	0.000105	99288.6	10.5	68.33
10	0.000109	0.000109	99278.1	10.9	67.34
11	0.000118	0.000118	99267.2	11.8	66.35
12	0.000158	0.000158	99255.5	15.6	65.35
13	0.000163	0.000163	99239.9	16.2	64.36
14	0.000201	0.000201	99223.6	19.9	63.38
15	0.000249	0.000248	99203.7	24.7	62.39
16	0.000331	0.000331	99179.1	32.8	61.40
17	0.000520	0.000520	99146.3	51.5	60.42
18	0.000662	0.000662	99094.8	65.6	59.45
19	0.000648	0.000647	99029.2	64.1	58.49
20	0.000736	0.000736	98965.1	72.9	57.53
21	0.000702	0.000702	98892.2	69.4	56.57
22	0.000770	0.000769	98822.8	76.0	55.61
23	0.000785	0.000785	98746.8	77.5	54.66
24	0.000712	0.000712	98669.3	70.3	53.70
25	0.000798	0.000797	98599.0	78.6	52.74
26	0.000774	0.000773	98520.4	76.2	51.78
27	0.000752	0.000752	98444.2	74.0	50.82
28	0.000778	0.000778	98370.3	76.5	49.85
29	0.000864	0.000864	98293.7	84.9	48.89
30	0.000906	0.000906	98208.8	89.0	47.93
31	0.000957	0.000956	98119.9	93.8	46.98
32	0.001036	0.001035	98026.1	101.5	46.02
33	0.001067	0.001067	97924.6	104.5	45.07
34	0.001081	0.001080	97820.1	105.7	44.12
35	0.001172	0.001171	97714.4	114.4	43.16
36	0.001252	0.001251	97600.0	122.1	42.21
37	0.001330	0.001329	97477.9	129.5	41.27
38	0.001297	0.001296	97348.3	126.2	40.32
39	0.001432	0.001431	97222.1	139.2	39.37
40	0.001600	0.001599	97083.0	155.2	38.43
41	0.001673	0.001672	96927.7	162.0	37.49
42	0.001836	0.001834	96765.7	177.5	36.55
43	0.002112	0.002109	96588.2	203.7	35.62
44	0.002141	0.002139	96384.5	206.2	34.69
45	0.002299	0.002296	96178.3	220.8	33.76
46	0.002547	0.002543	95957.5	244.1	32.84
47	0.002862	0.002858	95713.4	273.5	31.92
48	0.003213	0.003207	95439.9	306.1	31.01
49	0.003441	0.003435	95133.8	326.8	30.11

National life table

age	mx
0	0.004705
1	0.000382
2	0.000209
3	0.000154
4	0.000113
5	0.000101
6	0.000110
7	0.000091
8	0.000078
9	0.000081
10	0.000093
11	0.000089
12	0.000138
13	0.000114
14	0.000134
15	0.000146
16	0.000214
17	0.000225
18	0.000258
19	0.000314
20	0.000283
21	0.000275
22	0.000296
23	0.000306
24	0.000276
25	0.000311
26	0.000350
27	0.000350
28	0.000365
29	0.000393
30	0.000439
31	0.000427
32	0.000472
33	0.000519
34	0.000591
35	0.000588
36	0.000661
37	0.000720
38	0.000816
39	0.000862
40	0.000933
41	0.001005
42	0.001140
43	0.001258
44	0.001440
45	0.001489
46	0.001683
47	0.001927
48	0.002116
49	0.002256

50	0.003839	0.003831	94807.0	363.2	29.21	50	0.002584
51	0.004243	0.004234	94443.8	399.8	28.32	51	0.002744
52	0.004584	0.004573	94044.0	430.1	27.44	52	0.002911
53	0.004853	0.004841	93613.9	453.2	26.57	53	0.003209
54	0.005376	0.005362	93160.7	499.5	25.69	54	0.003511
55	0.005911	0.005894	92661.1	546.1	24.83	55	0.003773
56	0.006204	0.006185	92115.0	569.7	23.97	56	0.004129
57	0.007092	0.007067	91545.3	646.9	23.12	57	0.004481
58	0.007465	0.007437	90898.3	676.0	22.28	58	0.004901
59	0.008510	0.008474	90222.3	764.6	21.44	59	0.005472
60	0.009782	0.009735	89457.7	870.9	20.62	60	0.005952
61	0.010610	0.010554	88586.9	934.9	19.82	61	0.006572
62	0.011986	0.011915	87651.9	1044.4	19.03	62	0.007124
63	0.013000	0.012916	86607.6	1118.7	18.25	63	0.007916
64	0.014551	0.014446	85488.9	1235.0	17.48	64	0.008813
65	0.015696	0.015574	84253.9	1312.1	16.73	65	0.009670
66	0.017198	0.017051	82941.8	1414.3	15.99	66	0.010686
67	0.019099	0.018919	81527.5	1542.4	15.26	67	0.011742
68	0.021167	0.020946	79985.1	1675.3	14.54	68	0.013103
69	0.023377	0.023106	78309.8	1809.5	13.84	69	0.014590
70	0.025540	0.025218	76500.3	1929.2	13.16	70	0.015727
71	0.028915	0.028503	74571.1	2125.5	12.48	71	0.017500
72	0.031996	0.031492	72445.7	2281.5	11.84	72	0.020262
73	0.035619	0.034996	70164.2	2455.5	11.20	73	0.022461
74	0.040010	0.039225	67708.7	2655.9	10.59	74	0.025412
75	0.044106	0.043154	65052.8	2807.3	10.01	75	0.028855
76	0.049721	0.048515	62245.5	3019.9	9.43	76	0.032453
77	0.055327	0.053837	59225.7	3188.6	8.89	77	0.036350
78	0.061230	0.059411	56037.1	3329.2	8.37	78	0.041041
79	0.069061	0.066756	52707.9	3518.5	7.86	79	0.045788
80	0.075986	0.073205	49189.4	3600.9	7.39	80	0.051172
81	0.084646	0.081209	45588.4	3702.2	6.93	81	0.057709
82	0.093503	0.089327	41886.2	3741.6	6.50	82	0.064741
83	0.103707	0.098594	38144.7	3760.8	6.09	83	0.072759
84	0.112278	0.106310	34383.8	3655.3	5.70	84	0.079674
85	0.122754	0.115655	30728.5	3553.9	5.32	85	0.090672
86	0.136161	0.127482	27174.6	3464.3	4.95	86	0.101668
87	0.160185	0.148307	23710.3	3516.4	4.60	87	0.118718
88	0.174235	0.160273	20193.9	3236.5	4.32	88	0.132190
89	0.194032	0.176872	16957.4	2999.3	4.05	89	0.148743
90	0.199861	0.181703	13958.1	2536.2	3.81	90	0.160453
91	0.221395	0.199330	11421.9	2276.7	3.55	91	0.179534
92	0.242901	0.216595	9145.1	1980.8	3.30	92	0.201948
93	0.269950	0.237847	7164.4	1704.0	3.08	93	0.228646
94	0.286009	0.250226	5460.3	1366.3	2.88	94	0.253357
95	0.324003	0.278832	4094.0	1141.5	2.68	95	0.275484
96	0.344023	0.293532	2952.5	866.6	2.52	96	0.299868
97	0.375814	0.316366	2085.8	659.9	2.36	97	0.330990
98	0.393233	0.328621	1425.9	468.6	2.22	98	0.363509
99	0.426950	0.351841	957.3	336.8	2.07	99	0.388844
100	0.47544	0.38412	620.5	238.4	1.92	100	0.41256

ears 2003-2005

s, Females

qx	lx	dx	ex
0.004694	100000.0	469.4	81.12
0.000382	99530.6	38.0	80.51
0.000209	99492.6	20.8	79.54
0.000154	99471.9	15.3	78.55
0.000113	99456.5	11.2	77.56
0.000101	99445.3	10.1	76.57
0.000110	99435.2	10.9	75.58
0.000091	99424.3	9.1	74.59
0.000078	99415.2	7.8	73.60
0.000081	99407.4	8.1	72.60
0.000093	99399.3	9.3	71.61
0.000089	99390.1	8.9	70.61
0.000138	99381.2	13.7	69.62
0.000114	99367.4	11.3	68.63
0.000134	99356.1	13.3	67.64
0.000146	99342.8	14.5	66.65
0.000214	99328.3	21.3	65.66
0.000225	99307.0	22.3	64.67
0.000258	99284.7	25.6	63.68
0.000314	99259.1	31.1	62.70
0.000282	99228.0	28.0	61.72
0.000275	99200.0	27.3	60.74
0.000296	99172.7	29.4	59.75
0.000306	99143.3	30.3	58.77
0.000276	99112.9	27.3	57.79
0.000311	99085.6	30.8	56.81
0.000350	99054.8	34.7	55.82
0.000350	99020.1	34.6	54.84
0.000365	98985.5	36.1	53.86
0.000393	98949.4	38.9	52.88
0.000438	98910.5	43.4	51.90
0.000427	98867.1	42.2	50.92
0.000472	98824.9	46.6	49.95
0.000519	98778.3	51.2	48.97
0.000590	98727.0	58.3	47.99
0.000588	98668.8	58.0	47.02
0.000661	98610.7	65.2	46.05
0.000719	98545.5	70.9	45.08
0.000816	98474.6	80.4	44.11
0.000861	98394.3	84.7	43.15
0.000932	98309.5	91.7	42.18
0.001005	98217.9	98.7	41.22
0.001140	98119.2	111.8	40.26
0.001258	98007.4	123.3	39.31
0.001439	97884.1	140.9	38.36
0.001487	97743.2	145.4	37.41
0.001682	97597.9	164.1	36.47
0.001925	97433.7	187.6	35.53
0.002114	97246.1	205.6	34.60
0.002254	97040.6	218.7	33.67

0.002581	96821.9	249.9	32.74
0.002740	96572.0	264.6	31.83
0.002907	96307.4	279.9	30.91
0.003204	96027.4	307.7	30.00
0.003505	95719.7	335.5	29.10
0.003766	95384.2	359.2	28.20
0.004120	95025.0	391.5	27.30
0.004471	94633.5	423.1	26.41
0.004889	94210.4	460.6	25.53
0.005457	93749.8	511.6	24.65
0.005935	93238.2	553.3	23.78
0.006551	92684.9	607.2	22.92
0.007099	92077.7	653.6	22.07
0.007885	91424.1	720.9	21.22
0.008775	90703.2	795.9	20.39
0.009623	89907.3	865.2	19.57
0.010629	89042.1	946.4	18.75
0.011673	88095.7	1028.3	17.95
0.013018	87067.3	1133.4	17.15
0.014485	85933.9	1244.7	16.37
0.015604	84689.2	1321.5	15.61
0.017348	83367.7	1446.2	14.85
0.020059	81921.4	1643.3	14.10
0.022212	80278.2	1783.1	13.38
0.025093	78495.1	1969.7	12.67
0.028445	76525.3	2176.8	11.98
0.031935	74348.6	2374.3	11.32
0.035702	71974.3	2569.6	10.68
0.040216	69404.7	2791.2	10.05
0.044763	66613.5	2981.8	9.45
0.049896	63631.7	3175.0	8.87
0.056090	60456.7	3391.0	8.31
0.062711	57065.7	3578.6	7.78
0.070205	53487.1	3755.1	7.26
0.076622	49732.0	3810.6	6.77
0.086739	45921.5	3983.2	6.29
0.096750	41938.3	4057.5	5.84
0.112066	37880.7	4245.2	5.42
0.123994	33635.6	4170.6	5.04
0.138447	29465.0	4079.3	4.68
0.148537	25385.6	3770.7	4.35
0.164745	21614.9	3561.0	4.02
0.183427	18054.0	3311.6	3.72
0.205189	14742.4	3025.0	3.44
0.224871	11717.4	2634.9	3.20
0.242133	9082.5	2199.2	2.99
0.260770	6883.3	1795.0	2.78
0.283991	5088.4	1445.1	2.58
0.307601	3643.3	1120.7	2.41
0.325550	2522.6	821.2	2.26
0.34201	1701.4	581.9	2.11

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005818	0.005801	100000.0	580.1	76.44
1	0.000423	0.000423	99419.9	42.1	75.89
2	0.000256	0.000256	99377.9	25.4	74.92
3	0.000190	0.000190	99352.5	18.9	73.94
4	0.000154	0.000154	99333.6	15.3	72.95
5	0.000117	0.000117	99318.3	11.7	71.96
6	0.000122	0.000122	99306.6	12.2	70.97
7	0.000107	0.000107	99294.5	10.6	69.98
8	0.000109	0.000109	99283.9	10.8	68.99
9	0.000122	0.000122	99273.0	12.2	68.00
10	0.000104	0.000104	99260.9	10.3	67.00
11	0.000128	0.000128	99250.6	12.7	66.01
12	0.000142	0.000142	99237.9	14.1	65.02
13	0.000181	0.000180	99223.8	17.9	64.03
14	0.000210	0.000210	99205.9	20.8	63.04
15	0.000271	0.000271	99185.1	26.9	62.05
16	0.000358	0.000358	99158.3	35.5	61.07
17	0.000524	0.000524	99122.8	51.9	60.09
18	0.000695	0.000695	99070.8	68.8	59.12
19	0.000656	0.000656	99002.0	64.9	58.16
20	0.000810	0.000810	98937.1	80.1	57.20
21	0.000718	0.000718	98856.9	71.0	56.25
22	0.000811	0.000810	98786.0	80.0	55.29
23	0.000795	0.000795	98705.9	78.4	54.33
24	0.000762	0.000762	98627.5	75.1	53.37
25	0.000830	0.000830	98552.4	81.8	52.41
26	0.000824	0.000824	98470.6	81.1	51.46
27	0.000794	0.000794	98389.5	78.1	50.50
28	0.000879	0.000879	98311.3	86.4	49.54
29	0.000905	0.000905	98224.9	88.9	48.58
30	0.000949	0.000948	98136.1	93.1	47.63
31	0.001004	0.001003	98043.0	98.4	46.67
32	0.001076	0.001075	97944.6	105.3	45.72
33	0.001049	0.001049	97839.3	102.6	44.77
34	0.001084	0.001084	97736.7	105.9	43.81
35	0.001176	0.001175	97630.8	114.7	42.86
36	0.001265	0.001265	97516.1	123.3	41.91
37	0.001326	0.001325	97392.8	129.0	40.96
38	0.001307	0.001306	97263.7	127.1	40.01
39	0.001463	0.001462	97136.7	142.0	39.07
40	0.001624	0.001623	96994.6	157.4	38.12
41	0.001664	0.001662	96837.2	161.0	37.18
42	0.001865	0.001864	96676.2	180.2	36.25
43	0.002123	0.002121	96496.1	204.7	35.31
44	0.002141	0.002139	96291.4	206.0	34.39
45	0.002356	0.002354	96085.4	226.2	33.46
46	0.002626	0.002623	95859.3	251.4	32.54
47	0.002983	0.002979	95607.9	284.8	31.62
48	0.003192	0.003187	95323.1	303.8	30.71
49	0.003590	0.003583	95019.3	340.5	29.81

National life table

age	mx
0	0.004789
1	0.000375
2	0.000209
3	0.000150
4	0.000141
5	0.000115
6	0.000108
7	0.000089
8	0.000087
9	0.000082
10	0.000105
11	0.000082
12	0.000135
13	0.000114
14	0.000153
15	0.000145
16	0.000226
17	0.000239
18	0.000260
19	0.000331
20	0.000281
21	0.000292
22	0.000286
23	0.000302
24	0.000294
25	0.000321
26	0.000359
27	0.000331
28	0.000362
29	0.000402
30	0.000440
31	0.000451
32	0.000482
33	0.000515
34	0.000609
35	0.000606
36	0.000657
37	0.000703
38	0.000831
39	0.000877
40	0.000929
41	0.001012
42	0.001149
43	0.001293
44	0.001463
45	0.001562
46	0.001798
47	0.001984
48	0.002139
49	0.002266

50	0.003901	0.003893	94678.8	368.6	28.92	50	0.002574
51	0.004246	0.004237	94310.2	399.6	28.03	51	0.002759
52	0.004667	0.004656	93910.6	437.3	27.14	52	0.002923
53	0.004970	0.004958	93473.3	463.4	26.27	53	0.003262
54	0.005414	0.005399	93009.9	502.2	25.40	54	0.003550
55	0.005938	0.005920	92507.7	547.6	24.53	55	0.003828
56	0.006399	0.006378	91960.1	586.6	23.68	56	0.004226
57	0.007320	0.007293	91373.5	666.4	22.82	57	0.004525
58	0.007884	0.007853	90707.1	712.3	21.99	58	0.005038
59	0.008772	0.008733	89994.8	786.0	21.16	59	0.005531
60	0.010055	0.010005	89208.8	892.5	20.34	60	0.006256
61	0.010988	0.010928	88316.3	965.1	19.54	61	0.006737
62	0.012504	0.012426	87351.2	1085.4	18.75	62	0.007401
63	0.013267	0.013180	86265.8	1137.0	17.98	63	0.008105
64	0.014835	0.014725	85128.8	1253.6	17.21	64	0.008984
65	0.016231	0.016100	83875.2	1350.4	16.46	65	0.009772
66	0.017721	0.017566	82524.8	1449.6	15.72	66	0.010907
67	0.019818	0.019624	81075.2	1591.0	15.00	67	0.011927
68	0.022104	0.021862	79484.2	1737.7	14.29	68	0.013536
69	0.024569	0.024270	77746.5	1886.9	13.60	69	0.014826
70	0.026746	0.026393	75859.6	2002.2	12.92	70	0.016252
71	0.030070	0.029625	73857.4	2188.0	12.26	71	0.018380
72	0.033514	0.032961	71669.4	2362.3	11.62	72	0.021038
73	0.037207	0.036527	69307.1	2531.6	11.00	73	0.023593
74	0.041870	0.041012	66775.5	2738.6	10.39	74	0.026494
75	0.046852	0.045779	64036.9	2931.6	9.82	75	0.030158
76	0.051941	0.050626	61105.3	3093.5	9.26	76	0.033616
77	0.057581	0.055969	58011.8	3246.9	8.73	77	0.037526
78	0.063590	0.061631	54764.9	3375.2	8.22	78	0.042228
79	0.072033	0.069529	51389.7	3573.1	7.73	79	0.046726
80	0.079004	0.076001	47816.7	3634.1	7.27	80	0.052689
81	0.087617	0.083940	44182.5	3708.7	6.82	81	0.058772
82	0.096436	0.092000	40473.9	3723.6	6.40	82	0.066512
83	0.104063	0.098916	36750.3	3635.2	6.00	83	0.072270
84	0.114044	0.107892	33115.1	3572.9	5.60	84	0.081625
85	0.127187	0.119582	29542.2	3532.7	5.22	85	0.093021
86	0.147391	0.137275	26009.5	3570.4	4.86	86	0.107815
87	0.162505	0.150293	22439.1	3372.4	4.56	87	0.120289
88	0.177798	0.163283	19066.6	3113.2	4.27	88	0.134086
89	0.194298	0.177094	15953.4	2825.2	4.01	89	0.149255
90	0.201083	0.182713	13128.1	2398.7	3.77	90	0.163611
91	0.224476	0.201824	10729.5	2165.5	3.50	91	0.182171
92	0.247385	0.220154	8564.0	1885.4	3.25	92	0.206171
93	0.275280	0.241975	6678.6	1616.1	3.03	93	0.230096
94	0.294166	0.256447	5062.6	1298.3	2.84	94	0.253328
95	0.330668	0.283754	3764.3	1068.1	2.65	95	0.273782
96	0.346521	0.295349	2696.1	796.3	2.50	96	0.302296
97	0.372764	0.314202	1899.8	596.9	2.33	97	0.333196
98	0.398923	0.332585	1302.9	433.3	2.17	98	0.362129
99	0.434716	0.357098	869.6	310.5	2.01	99	0.386456
100	0.50862	0.40550	559.1	226.7	1.84	100	0.42296

ears 2002-2004

s, Females

qx	lx	dx	ex
0.004777	100000.0	477.7	80.89
0.000375	99522.3	37.3	80.28
0.000209	99484.9	20.8	79.31
0.000150	99464.2	14.9	78.33
0.000141	99449.2	14.0	77.34
0.000115	99435.2	11.4	76.35
0.000108	99423.7	10.8	75.36
0.000089	99413.0	8.8	74.36
0.000087	99404.1	8.7	73.37
0.000082	99395.5	8.1	72.38
0.000105	99387.3	10.4	71.38
0.000082	99377.0	8.1	70.39
0.000135	99368.8	13.4	69.40
0.000114	99355.4	11.3	68.41
0.000153	99344.1	15.2	67.41
0.000145	99328.9	14.4	66.42
0.000226	99314.5	22.4	65.43
0.000239	99292.1	23.7	64.45
0.000260	99268.3	25.8	63.46
0.000331	99242.5	32.8	62.48
0.000281	99209.6	27.9	61.50
0.000292	99181.7	29.0	60.52
0.000286	99152.8	28.3	59.53
0.000302	99124.4	30.0	58.55
0.000294	99094.5	29.1	57.57
0.000321	99065.4	31.8	56.59
0.000359	99033.5	35.5	55.60
0.000331	98998.0	32.7	54.62
0.000362	98965.3	35.8	53.64
0.000402	98929.4	39.7	52.66
0.000440	98889.7	43.5	51.68
0.000451	98846.2	44.6	50.70
0.000482	98801.7	47.6	49.73
0.000515	98754.1	50.9	48.75
0.000609	98703.2	60.1	47.78
0.000606	98643.1	59.7	46.80
0.000657	98583.4	64.8	45.83
0.000702	98518.6	69.2	44.86
0.000831	98449.4	81.8	43.89
0.000877	98367.6	86.2	42.93
0.000929	98281.3	91.3	41.97
0.001012	98190.1	99.4	41.01
0.001148	98090.7	112.6	40.05
0.001292	97978.1	126.6	39.09
0.001462	97851.4	143.0	38.14
0.001560	97708.4	152.5	37.20
0.001797	97556.0	175.3	36.25
0.001982	97380.7	193.0	35.32
0.002137	97187.7	207.7	34.39
0.002264	96980.0	219.5	33.46

0.002571	96760.4	248.8	32.54
0.002755	96511.7	265.9	31.62
0.002918	96245.8	280.9	30.70
0.003257	95964.9	312.6	29.79
0.003544	95652.4	339.0	28.89
0.003821	95313.4	364.2	27.99
0.004217	94949.2	400.4	27.09
0.004514	94548.8	426.8	26.21
0.005026	94122.0	473.0	25.32
0.005516	93648.9	516.6	24.45
0.006237	93132.3	580.9	23.58
0.006714	92551.5	621.4	22.73
0.007374	91930.1	677.9	21.88
0.008072	91252.2	736.6	21.04
0.008944	90515.6	809.6	20.20
0.009725	89706.1	872.4	19.38
0.010848	88833.7	963.6	18.57
0.011856	87870.1	1041.8	17.76
0.013445	86828.3	1167.4	16.97
0.014717	85660.9	1260.7	16.20
0.016121	84400.2	1360.6	15.43
0.018212	83039.6	1512.4	14.67
0.020819	81527.3	1697.3	13.94
0.023318	79830.0	1861.5	13.22
0.026147	77968.5	2038.7	12.53
0.029710	75929.8	2255.9	11.85
0.033060	73673.9	2435.7	11.20
0.036835	71238.3	2624.1	10.56
0.041355	68614.2	2837.5	9.95
0.045659	65776.7	3003.3	9.36
0.051336	62773.4	3222.5	8.78
0.057094	59550.8	3400.0	8.23
0.064371	56150.8	3614.5	7.70
0.069750	52536.4	3664.4	7.19
0.078424	48871.9	3832.7	6.69
0.088887	45039.2	4003.4	6.22
0.102300	41035.8	4198.0	5.78
0.113465	36837.8	4179.8	5.38
0.125661	32658.0	4103.8	5.00
0.138890	28554.2	3965.9	4.65
0.151239	24588.3	3718.7	4.32
0.166963	20869.6	3484.4	4.00
0.186904	17385.1	3249.3	3.70
0.206355	14135.8	2917.0	3.44
0.224848	11218.8	2522.5	3.20
0.240816	8696.3	2094.2	2.99
0.262604	6602.1	1733.7	2.77
0.285613	4868.3	1390.5	2.58
0.306612	3477.9	1066.4	2.42
0.323874	2411.5	781.0	2.26
0.34913	1630.5	569.2	2.11

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.005955	0.005937	100000.0	593.7	76.13
1	0.000428	0.000428	99406.3	42.5	75.59
2	0.000266	0.000266	99363.8	26.4	74.62
3	0.000178	0.000178	99337.4	17.7	73.64
4	0.000165	0.000165	99319.7	16.4	72.65
5	0.000134	0.000134	99303.3	13.3	71.66
6	0.000131	0.000131	99290.0	13.0	70.67
7	0.000118	0.000118	99277.1	11.7	69.68
8	0.000109	0.000109	99265.3	10.9	68.69
9	0.000113	0.000113	99254.5	11.2	67.70
10	0.000110	0.000110	99243.2	10.9	66.71
11	0.000144	0.000144	99232.3	14.3	65.71
12	0.000156	0.000156	99218.0	15.4	64.72
13	0.000198	0.000198	99202.6	19.6	63.73
14	0.000223	0.000223	99183.0	22.1	62.75
15	0.000260	0.000260	99160.9	25.8	61.76
16	0.000363	0.000363	99135.1	35.9	60.78
17	0.000538	0.000538	99099.1	53.3	59.80
18	0.000756	0.000756	99045.8	74.8	58.83
19	0.000738	0.000738	98970.9	73.1	57.87
20	0.000825	0.000825	98897.9	81.6	56.92
21	0.000756	0.000755	98816.3	74.6	55.96
22	0.000811	0.000811	98741.6	80.1	55.00
23	0.000777	0.000777	98661.6	76.6	54.05
24	0.000837	0.000837	98584.9	82.5	53.09
25	0.000865	0.000864	98502.4	85.1	52.13
26	0.000828	0.000828	98417.3	81.5	51.18
27	0.000839	0.000838	98335.8	82.4	50.22
28	0.000886	0.000885	98253.4	87.0	49.26
29	0.000958	0.000957	98166.4	94.0	48.31
30	0.000971	0.000970	98072.4	95.2	47.35
31	0.001038	0.001037	97977.3	101.6	46.40
32	0.001053	0.001053	97875.7	103.0	45.44
33	0.001104	0.001103	97772.6	107.9	44.49
34	0.001169	0.001169	97664.7	114.1	43.54
35	0.001150	0.001149	97550.6	112.1	42.59
36	0.001232	0.001231	97438.5	120.0	41.64
37	0.001322	0.001321	97318.5	128.6	40.69
38	0.001347	0.001346	97189.9	130.8	39.74
39	0.001490	0.001489	97059.1	144.5	38.80
40	0.001654	0.001652	96914.6	160.1	37.85
41	0.001716	0.001715	96754.5	165.9	36.92
42	0.001881	0.001879	96588.6	181.5	35.98
43	0.002098	0.002096	96407.0	202.0	35.04
44	0.002124	0.002122	96205.0	204.1	34.12
45	0.002434	0.002431	96000.9	233.4	33.19
46	0.002729	0.002725	95767.5	261.0	32.27
47	0.003065	0.003060	95506.5	292.3	31.36
48	0.003257	0.003252	95214.2	309.6	30.45
49	0.003671	0.003664	94904.5	347.7	29.55

National life table

age	mx
0	0.004884
1	0.000370
2	0.000212
3	0.000166
4	0.000145
5	0.000126
6	0.000116
7	0.000097
8	0.000108
9	0.000093
10	0.000099
11	0.000100
12	0.000128
13	0.000101
14	0.000154
15	0.000151
16	0.000234
17	0.000258
18	0.000268
19	0.000301
20	0.000279
21	0.000292
22	0.000286
23	0.000291
24	0.000300
25	0.000313
26	0.000369
27	0.000348
28	0.000360
29	0.000408
30	0.000403
31	0.000468
32	0.000506
33	0.000521
34	0.000619
35	0.000649
36	0.000682
37	0.000694
38	0.000838
39	0.000868
40	0.000951
41	0.001025
42	0.001152
43	0.001368
44	0.001459
45	0.001592
46	0.001817
47	0.001976
48	0.002171
49	0.002334

50	0.003967	0.003960	94556.8	374.4	28.65	50	0.002644
51	0.004259	0.004250	94182.4	400.3	27.77	51	0.002811
52	0.004648	0.004638	93782.1	434.9	26.88	52	0.003059
53	0.004978	0.004966	93347.2	463.6	26.01	53	0.003267
54	0.005463	0.005448	92883.6	506.1	25.13	54	0.003648
55	0.006077	0.006059	92377.5	559.7	24.27	55	0.003952
56	0.006671	0.006648	91817.8	610.4	23.41	56	0.004317
57	0.007611	0.007582	91207.4	691.5	22.57	57	0.004658
58	0.008286	0.008252	90515.8	746.9	21.73	58	0.005111
59	0.009172	0.009130	89768.9	819.6	20.91	59	0.005685
60	0.010407	0.010353	88949.3	920.9	20.10	60	0.006397
61	0.011371	0.011306	88028.4	995.3	19.30	61	0.007075
62	0.012686	0.012606	87033.2	1097.2	18.52	62	0.007552
63	0.013682	0.013589	85936.0	1167.8	17.75	63	0.008359
64	0.015085	0.014972	84768.2	1269.2	16.99	64	0.009134
65	0.016539	0.016403	83499.1	1369.7	16.24	65	0.010078
66	0.018208	0.018044	82129.4	1481.9	15.50	66	0.011079
67	0.020566	0.020356	80647.5	1641.7	14.78	67	0.012254
68	0.022738	0.022482	79005.8	1776.2	14.07	68	0.013790
69	0.025396	0.025077	77229.6	1936.7	13.38	69	0.015212
70	0.027642	0.027265	75292.9	2052.8	12.72	70	0.016997
71	0.031572	0.031081	73240.0	2276.4	12.06	71	0.019223
72	0.034851	0.034254	70963.6	2430.8	11.43	72	0.021757
73	0.038702	0.037967	68532.9	2602.0	10.82	73	0.024466
74	0.043818	0.042878	65930.9	2827.0	10.22	74	0.027177
75	0.048934	0.047765	63103.9	3014.2	9.66	75	0.031021
76	0.054139	0.052712	60089.7	3167.5	9.12	76	0.034466
77	0.059914	0.058172	56922.2	3311.3	8.60	77	0.038468
78	0.065570	0.063489	53611.0	3403.7	8.10	78	0.042730
79	0.074245	0.071587	50207.3	3594.2	7.61	79	0.047951
80	0.081061	0.077903	46613.1	3631.3	7.16	80	0.053766
81	0.089354	0.085533	42981.8	3676.3	6.73	81	0.059947
82	0.096799	0.092330	39305.4	3629.1	6.31	82	0.066698
83	0.107095	0.101652	35676.3	3626.6	5.90	83	0.074243
84	0.115778	0.109442	32049.8	3507.6	5.51	84	0.084006
85	0.138320	0.129373	28542.2	3692.6	5.13	85	0.097528
86	0.148892	0.138576	24849.6	3443.6	4.81	86	0.107928
87	0.163410	0.151067	21406.0	3233.8	4.51	87	0.121829
88	0.179919	0.165070	18172.3	2999.7	4.22	88	0.134182
89	0.199952	0.181779	15172.6	2758.1	3.95	89	0.152051
90	0.205920	0.186697	12414.5	2317.8	3.72	90	0.165420
91	0.225487	0.202640	10096.8	2046.0	3.46	91	0.183925
92	0.255083	0.226229	8050.8	1821.3	3.21	92	0.205943
93	0.279812	0.245469	6229.4	1529.1	3.01	93	0.233596
94	0.295570	0.257513	4700.3	1210.4	2.82	94	0.252342
95	0.330729	0.283799	3489.9	990.4	2.63	95	0.278467
96	0.348179	0.296552	2499.5	741.2	2.47	96	0.306767
97	0.389677	0.326134	1758.3	573.4	2.30	97	0.331550
98	0.403747	0.335931	1184.8	398.0	2.18	98	0.367705
99	0.445136	0.364099	786.8	286.5	2.03	99	0.387365
100	0.49503	0.39681	500.3	198.5	1.9	100	0.43520

ears 2001-2003

s, Females

qx	lx	dx	ex
0.004873	100000.0	487.3	80.67
0.000370	99512.7	36.9	80.07
0.000212	99475.9	21.0	79.10
0.000166	99454.9	16.5	78.12
0.000145	99438.3	14.5	77.13
0.000126	99423.9	12.5	76.14
0.000116	99411.4	11.5	75.15
0.000097	99399.8	9.6	74.16
0.000108	99390.2	10.8	73.16
0.000093	99379.5	9.3	72.17
0.000099	99370.2	9.8	71.18
0.000100	99360.4	9.9	70.19
0.000128	99350.5	12.7	69.19
0.000101	99337.8	10.1	68.20
0.000154	99327.7	15.3	67.21
0.000151	99312.4	15.0	66.22
0.000234	99297.4	23.2	65.23
0.000257	99274.2	25.6	64.24
0.000268	99248.6	26.6	63.26
0.000301	99222.1	29.9	62.28
0.000279	99192.2	27.6	61.30
0.000292	99164.5	29.0	60.31
0.000286	99135.5	28.4	59.33
0.000291	99107.2	28.8	58.35
0.000300	99078.4	29.7	57.36
0.000313	99048.6	31.0	56.38
0.000369	99017.7	36.5	55.40
0.000347	98981.1	34.4	54.42
0.000360	98946.8	35.6	53.44
0.000407	98911.1	40.3	52.46
0.000403	98870.8	39.8	51.48
0.000468	98831.0	46.3	50.50
0.000506	98784.7	50.0	49.52
0.000521	98734.7	51.5	48.55
0.000619	98683.3	61.1	47.57
0.000649	98622.2	64.0	46.60
0.000682	98558.2	67.2	45.63
0.000694	98491.0	68.3	44.66
0.000838	98422.6	82.5	43.69
0.000868	98340.2	85.4	42.73
0.000951	98254.8	93.4	41.77
0.001025	98161.4	100.6	40.80
0.001152	98060.8	112.9	39.85
0.001367	97947.8	133.9	38.89
0.001458	97814.0	142.6	37.94
0.001591	97671.4	155.4	37.00
0.001816	97516.0	177.1	36.06
0.001974	97338.9	192.1	35.12
0.002168	97146.8	210.7	34.19
0.002331	96936.1	226.0	33.26

0.002641	96710.2	255.4	32.34
0.002807	96454.8	270.7	31.42
0.003055	96184.0	293.8	30.51
0.003261	95890.2	312.7	29.60
0.003642	95577.5	348.1	28.70
0.003944	95229.4	375.6	27.80
0.004308	94853.8	408.6	26.91
0.004647	94445.2	438.9	26.02
0.005098	94006.3	479.2	25.14
0.005669	93527.1	530.2	24.27
0.006377	92996.9	593.0	23.40
0.007050	92403.9	651.5	22.55
0.007523	91752.4	690.3	21.71
0.008324	91062.1	758.0	20.87
0.009092	90304.1	821.1	20.04
0.010027	89483.1	897.3	19.22
0.011018	88585.8	976.1	18.41
0.012179	87609.7	1067.0	17.61
0.013696	86542.7	1185.3	16.82
0.015097	85357.4	1288.7	16.05
0.016854	84068.8	1416.9	15.28
0.019040	82651.9	1573.7	14.54
0.021523	81078.1	1745.0	13.81
0.024170	79333.1	1917.5	13.10
0.026813	77415.6	2075.7	12.41
0.030547	75339.9	2301.4	11.74
0.033882	73038.5	2474.7	11.10
0.037742	70563.8	2663.2	10.47
0.041836	67900.5	2840.7	9.86
0.046828	65059.8	3046.6	9.27
0.052358	62013.2	3246.9	8.70
0.058203	58766.3	3420.4	8.15
0.064546	55345.9	3572.3	7.63
0.071586	51773.6	3706.2	7.12
0.080620	48067.4	3875.2	6.63
0.092993	44192.2	4109.6	6.16
0.102402	40082.6	4104.5	5.75
0.114834	35978.1	4131.5	5.34
0.125746	31846.6	4004.6	4.97
0.141308	27842.0	3934.3	4.62
0.152783	23907.7	3652.7	4.29
0.168436	20255.0	3411.7	3.98
0.186717	16843.3	3144.9	3.68
0.209166	13698.4	2865.2	3.41
0.224071	10833.2	2427.4	3.18
0.244434	8405.8	2054.7	2.96
0.265971	6351.1	1689.2	2.75
0.284403	4661.9	1325.9	2.57
0.310601	3336.0	1036.2	2.39
0.324513	2299.9	746.3	2.24
0.35742	1553.5	555.3	2.07

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006059	0.006041	100000.0	604.1	75.90
1	0.000450	0.000450	99395.9	44.7	75.36
2	0.000270	0.000270	99351.2	26.8	74.39
3	0.000171	0.000171	99324.4	16.9	73.41
4	0.000160	0.000160	99307.5	15.9	72.42
5	0.000120	0.000120	99291.6	11.9	71.44
6	0.000147	0.000147	99279.6	14.6	70.44
7	0.000129	0.000129	99265.0	12.8	69.46
8	0.000115	0.000115	99252.3	11.4	68.46
9	0.000107	0.000107	99240.9	10.6	67.47
10	0.000127	0.000127	99230.3	12.6	66.48
11	0.000138	0.000138	99217.7	13.7	65.49
12	0.000156	0.000156	99204.0	15.5	64.50
13	0.000195	0.000195	99188.6	19.3	63.51
14	0.000218	0.000218	99169.3	21.6	62.52
15	0.000258	0.000258	99147.7	25.6	61.53
16	0.000381	0.000381	99122.1	37.8	60.55
17	0.000551	0.000550	99084.3	54.5	59.57
18	0.000784	0.000784	99029.8	77.6	58.60
19	0.000781	0.000781	98952.1	77.3	57.65
20	0.000808	0.000807	98874.9	79.8	56.69
21	0.000754	0.000754	98795.0	74.5	55.74
22	0.000829	0.000829	98720.5	81.8	54.78
23	0.000812	0.000812	98638.7	80.1	53.83
24	0.000879	0.000879	98558.6	86.6	52.87
25	0.000880	0.000879	98472.0	86.6	51.92
26	0.000851	0.000850	98385.4	83.7	50.96
27	0.000942	0.000942	98301.8	92.6	50.00
28	0.000911	0.000910	98209.2	89.4	49.05
29	0.000987	0.000987	98119.8	96.8	48.09
30	0.000983	0.000983	98022.9	96.3	47.14
31	0.001023	0.001023	97926.6	100.1	46.19
32	0.001077	0.001077	97826.4	105.3	45.23
33	0.001087	0.001086	97721.1	106.1	44.28
34	0.001160	0.001159	97614.9	113.1	43.33
35	0.001150	0.001150	97501.8	112.1	42.38
36	0.001272	0.001272	97389.7	123.8	41.43
37	0.001361	0.001360	97265.9	132.3	40.48
38	0.001362	0.001361	97133.5	132.2	39.53
39	0.001504	0.001503	97001.4	145.8	38.59
40	0.001652	0.001650	96855.6	159.8	37.64
41	0.001737	0.001735	96695.8	167.8	36.71
42	0.001848	0.001847	96527.9	178.3	35.77
43	0.002016	0.002014	96349.7	194.1	34.83
44	0.002138	0.002136	96155.6	205.4	33.90
45	0.002489	0.002486	95950.2	238.5	32.98
46	0.002724	0.002720	95711.7	260.3	32.06
47	0.003083	0.003079	95451.3	293.9	31.14
48	0.003250	0.003245	95157.5	308.8	30.24
49	0.003813	0.003806	94848.7	361.0	29.33

National life table

age	mx
0	0.004920
1	0.000345
2	0.000184
3	0.000180
4	0.000147
5	0.000123
6	0.000110
7	0.000096
8	0.000113
9	0.000091
10	0.000096
11	0.000102
12	0.000107
13	0.000105
14	0.000151
15	0.000148
16	0.000239
17	0.000256
18	0.000307
19	0.000306
20	0.000284
21	0.000297
22	0.000290
23	0.000310
24	0.000329
25	0.000332
26	0.000358
27	0.000359
28	0.000354
29	0.000395
30	0.000389
31	0.000481
32	0.000507
33	0.000519
34	0.000605
35	0.000666
36	0.000707
37	0.000707
38	0.000827
39	0.000871
40	0.000957
41	0.001055
42	0.001197
43	0.001395
44	0.001451
45	0.001626
46	0.001844
47	0.001975
48	0.002159
49	0.002384

50	0.004076	0.004067	94487.7	384.3	28.44	50	0.002676
51	0.004262	0.004253	94103.4	400.3	27.56	51	0.002787
52	0.004638	0.004627	93703.1	433.6	26.67	52	0.003144
53	0.004996	0.004984	93269.5	464.8	25.79	53	0.003303
54	0.005406	0.005391	92804.7	500.3	24.92	54	0.003719
55	0.006075	0.006057	92304.4	559.1	24.05	55	0.003984
56	0.007000	0.006975	91745.3	640.0	23.20	56	0.004475
57	0.007650	0.007621	91105.4	694.3	22.36	57	0.004842
58	0.008467	0.008432	90411.0	762.3	21.52	58	0.005186
59	0.009426	0.009382	89648.7	841.0	20.70	59	0.005792
60	0.010658	0.010601	88807.7	941.5	19.89	60	0.006534
61	0.011727	0.011659	87866.2	1024.4	19.10	61	0.007133
62	0.012885	0.012802	86841.8	1111.8	18.32	62	0.007764
63	0.014018	0.013920	85730.0	1193.4	17.55	63	0.008493
64	0.015272	0.015156	84536.7	1281.2	16.79	64	0.009441
65	0.017169	0.017023	83255.4	1417.3	16.04	65	0.010206
66	0.018907	0.018729	81838.2	1532.8	15.31	66	0.011551
67	0.021249	0.021026	80305.4	1688.5	14.60	67	0.012532
68	0.023501	0.023228	78616.9	1826.1	13.90	68	0.014140
69	0.026329	0.025987	76790.8	1995.5	13.22	69	0.015634
70	0.028885	0.028474	74795.3	2129.7	12.56	70	0.017520
71	0.032674	0.032149	72665.5	2336.1	11.91	71	0.019890
72	0.036509	0.035854	70329.4	2521.6	11.29	72	0.022239
73	0.040485	0.039682	67807.8	2690.7	10.69	73	0.024899
74	0.045651	0.044632	65117.1	2906.3	10.11	74	0.028041
75	0.050582	0.049334	62210.8	3069.1	9.56	75	0.031498
76	0.055694	0.054185	59141.6	3204.6	9.03	76	0.035177
77	0.061631	0.059788	55937.0	3344.4	8.52	77	0.039070
78	0.068028	0.065790	52592.6	3460.1	8.03	78	0.043016
79	0.075144	0.072423	49132.6	3558.3	7.56	79	0.047785
80	0.081887	0.078666	45574.2	3585.1	7.11	80	0.053660
81	0.089011	0.085219	41989.1	3578.3	6.68	81	0.059293
82	0.098065	0.093482	38410.8	3590.7	6.25	82	0.066957
83	0.108674	0.103074	34820.1	3589.0	5.85	83	0.074330
84	0.123103	0.115965	31231.1	3621.7	5.46	84	0.086594
85	0.138073	0.129156	27609.4	3565.9	5.11	85	0.096806
86	0.151670	0.140979	24043.5	3389.6	4.79	86	0.106960
87	0.163274	0.150951	20653.8	3117.7	4.50	87	0.119658
88	0.181794	0.166647	17536.1	2922.3	4.21	88	0.133951
89	0.199608	0.181494	14613.8	2652.3	3.95	89	0.150276
90	0.206772	0.187398	11961.5	2241.6	3.72	90	0.164298
91	0.226515	0.203471	9719.9	1977.7	3.46	91	0.184334
92	0.253780	0.225203	7742.2	1743.6	3.21	92	0.204233
93	0.274933	0.241706	5998.6	1449.9	3.00	93	0.229767
94	0.299725	0.260662	4548.7	1185.7	2.80	94	0.249252
95	0.328345	0.282042	3363.0	948.5	2.61	95	0.279036
96	0.352918	0.299983	2414.5	724.3	2.44	96	0.305395
97	0.398350	0.332187	1690.2	561.5	2.27	97	0.326231
98	0.428061	0.352595	1128.7	398.0	2.15	98	0.360285
99	0.447860	0.365920	730.8	267.4	2.05	99	0.388069
100	0.48	0.38710	463.4	179.4	1.94	100	0.42038

ears 2000-2002

s, Females

qx	lx	dx	ex
0.004907	100000.0	490.7	80.57
0.000345	99509.3	34.3	79.96
0.000184	99474.9	18.3	78.99
0.000180	99456.6	17.9	78.01
0.000147	99438.7	14.6	77.02
0.000123	99424.2	12.3	76.03
0.000110	99411.9	11.0	75.04
0.000096	99400.9	9.5	74.05
0.000113	99391.4	11.2	73.06
0.000091	99380.2	9.0	72.06
0.000096	99371.2	9.5	71.07
0.000102	99361.7	10.1	70.08
0.000107	99351.6	10.6	69.08
0.000105	99341.0	10.5	68.09
0.000151	99330.5	15.0	67.10
0.000148	99315.5	14.7	66.11
0.000239	99300.8	23.7	65.12
0.000256	99277.0	25.4	64.13
0.000307	99251.6	30.4	63.15
0.000306	99221.2	30.4	62.17
0.000284	99190.8	28.2	61.19
0.000297	99162.6	29.4	60.21
0.000290	99133.2	28.7	59.22
0.000310	99104.4	30.7	58.24
0.000329	99073.7	32.6	57.26
0.000332	99041.1	32.8	56.28
0.000358	99008.3	35.5	55.30
0.000359	98972.8	35.5	54.31
0.000353	98937.3	35.0	53.33
0.000395	98902.4	39.1	52.35
0.000389	98863.3	38.4	51.37
0.000481	98824.9	47.6	50.39
0.000506	98777.3	50.0	49.42
0.000519	98727.3	51.2	48.44
0.000605	98676.1	59.7	47.47
0.000666	98616.4	65.6	46.50
0.000707	98550.8	69.7	45.53
0.000707	98481.1	69.6	44.56
0.000826	98411.5	81.3	43.59
0.000871	98330.2	85.6	42.62
0.000957	98244.5	94.0	41.66
0.001054	98150.6	103.5	40.70
0.001197	98047.1	117.3	39.74
0.001394	97929.7	136.5	38.79
0.001450	97793.2	141.8	37.84
0.001624	97651.4	158.6	36.90
0.001843	97492.8	179.6	35.96
0.001973	97313.2	192.0	35.02
0.002157	97121.2	209.5	34.09
0.002382	96911.7	230.8	33.16

0.002672	96680.9	258.3	32.24
0.002783	96422.5	268.4	31.33
0.003139	96154.2	301.9	30.41
0.003297	95852.3	316.1	29.51
0.003712	95536.2	354.7	28.60
0.003976	95181.6	378.5	27.71
0.004465	94803.1	423.3	26.82
0.004830	94379.9	455.9	25.93
0.005173	93924.0	485.9	25.06
0.005776	93438.2	539.7	24.18
0.006513	92898.5	605.0	23.32
0.007108	92293.5	656.0	22.47
0.007734	91637.5	708.7	21.63
0.008457	90928.7	769.0	20.79
0.009397	90159.8	847.2	19.97
0.010154	89312.5	906.9	19.15
0.011485	88405.6	1015.3	18.34
0.012454	87390.3	1088.3	17.55
0.014040	86302.0	1211.7	16.77
0.015513	85090.3	1320.0	16.00
0.017368	83770.3	1454.9	15.24
0.019695	82315.4	1621.2	14.50
0.021995	80694.2	1774.9	13.78
0.024593	78919.3	1940.9	13.08
0.027654	76978.5	2128.7	12.40
0.031010	74849.8	2321.1	11.74
0.034569	72528.7	2507.2	11.10
0.038322	70021.5	2683.3	10.48
0.042111	67338.1	2835.7	9.87
0.046670	64502.5	3010.3	9.29
0.052258	61492.1	3213.5	8.72
0.057586	58278.7	3356.0	8.17
0.064788	54922.6	3558.3	7.64
0.071666	51364.3	3681.1	7.13
0.083001	47683.2	3957.7	6.64
0.092336	43725.5	4037.4	6.20
0.101530	39688.0	4029.5	5.78
0.112903	35658.5	4026.0	5.38
0.125542	31632.5	3971.2	5.00
0.139774	27661.3	3866.3	4.64
0.151826	23795.0	3612.7	4.32
0.168778	20182.3	3406.3	4.00
0.185310	16776.0	3108.8	3.71
0.206091	13667.2	2816.7	3.44
0.221631	10850.5	2404.8	3.20
0.244872	8445.7	2068.1	2.97
0.264940	6377.6	1689.7	2.78
0.280480	4687.9	1314.9	2.60
0.305289	3373.0	1029.8	2.42
0.325007	2343.3	761.6	2.26
0.34737	1581.7	549.4	2.1

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006200	0.006181	100000.0	618.1	75.61
1	0.000471	0.000471	99381.9	46.8	75.08
2	0.000292	0.000292	99335.1	29.0	74.11
3	0.000191	0.000191	99306.1	18.9	73.14
4	0.000156	0.000156	99287.1	15.5	72.15
5	0.000122	0.000122	99271.7	12.1	71.16
6	0.000146	0.000146	99259.6	14.5	70.17
7	0.000134	0.000134	99245.1	13.3	69.18
8	0.000122	0.000122	99231.8	12.1	68.19
9	0.000107	0.000107	99219.7	10.6	67.20
10	0.000141	0.000141	99209.1	14.0	66.20
11	0.000132	0.000132	99195.1	13.1	65.21
12	0.000172	0.000172	99182.0	17.0	64.22
13	0.000175	0.000175	99165.0	17.4	63.23
14	0.000220	0.000220	99147.6	21.8	62.24
15	0.000240	0.000240	99125.9	23.8	61.26
16	0.000374	0.000374	99102.1	37.1	60.27
17	0.000567	0.000567	99065.0	56.2	59.29
18	0.000782	0.000781	99008.8	77.3	58.33
19	0.000818	0.000818	98931.5	80.9	57.37
20	0.000766	0.000766	98850.6	75.7	56.42
21	0.000766	0.000766	98774.9	75.7	55.46
22	0.000825	0.000825	98699.2	81.4	54.50
23	0.000848	0.000847	98617.8	83.6	53.55
24	0.000887	0.000887	98534.3	87.4	52.59
25	0.000883	0.000883	98446.9	86.9	51.64
26	0.000872	0.000871	98360.0	85.7	50.69
27	0.000966	0.000966	98274.3	94.9	49.73
28	0.000921	0.000920	98179.4	90.4	48.78
29	0.001015	0.001014	98089.0	99.5	47.82
30	0.000970	0.000970	97989.6	95.0	46.87
31	0.001017	0.001016	97894.5	99.5	45.91
32	0.001083	0.001082	97795.0	105.8	44.96
33	0.001101	0.001101	97689.2	107.5	44.01
34	0.001161	0.001160	97581.7	113.2	43.06
35	0.001183	0.001182	97468.5	115.2	42.11
36	0.001238	0.001237	97353.3	120.5	41.15
37	0.001326	0.001325	97232.8	128.8	40.21
38	0.001387	0.001386	97104.0	134.6	39.26
39	0.001522	0.001521	96969.4	147.5	38.31
40	0.001660	0.001659	96821.9	160.6	37.37
41	0.001769	0.001767	96661.3	170.8	36.43
42	0.001861	0.001860	96490.5	179.4	35.49
43	0.001980	0.001978	96311.0	190.5	34.56
44	0.002197	0.002195	96120.5	211.0	33.63
45	0.002444	0.002441	95909.6	234.1	32.70
46	0.002784	0.002781	95675.4	266.0	31.78
47	0.003065	0.003061	95409.4	292.0	30.87
48	0.003267	0.003261	95117.4	310.2	29.96
49	0.003772	0.003765	94807.2	357.0	29.06

National life table

age	mx
0	0.005073
1	0.000354
2	0.000231
3	0.000199
4	0.000129
5	0.000118
6	0.000113
7	0.000093
8	0.000117
9	0.000093
10	0.000104
11	0.000121
12	0.000116
13	0.000103
14	0.000134
15	0.000172
16	0.000223
17	0.000274
18	0.000314
19	0.000287
20	0.000297
21	0.000318
22	0.000335
23	0.000288
24	0.000325
25	0.000317
26	0.000365
27	0.000361
28	0.000387
29	0.000377
30	0.000419
31	0.000464
32	0.000491
33	0.000534
34	0.000591
35	0.000686
36	0.000738
37	0.000723
38	0.000819
39	0.000879
40	0.000972
41	0.001116
42	0.001233
43	0.001415
44	0.001458
45	0.001636
46	0.001800
47	0.001985
48	0.002181
49	0.002408

50	0.004078	0.004070	94450.2	384.4	28.16	50	0.002785
51	0.004291	0.004281	94065.9	402.7	27.28	51	0.002806
52	0.004646	0.004635	93663.1	434.2	26.39	52	0.003133
53	0.005155	0.005142	93229.0	479.4	25.51	53	0.003299
54	0.005640	0.005624	92749.6	521.6	24.64	54	0.003801
55	0.006289	0.006269	92227.9	578.2	23.78	55	0.004110
56	0.007222	0.007196	91649.7	659.5	22.92	56	0.004484
57	0.008059	0.008027	90990.2	730.3	22.09	57	0.004944
58	0.008677	0.008640	90259.9	779.8	21.26	58	0.005350
59	0.009758	0.009711	89480.0	868.9	20.44	59	0.006059
60	0.010909	0.010850	88611.1	961.5	19.64	60	0.006726
61	0.012047	0.011975	87649.7	1049.6	18.85	61	0.007315
62	0.013156	0.013070	86600.1	1131.8	18.07	62	0.007915
63	0.014383	0.014280	85468.2	1220.5	17.30	63	0.008728
64	0.015738	0.015615	84247.7	1315.5	16.55	64	0.009709
65	0.017872	0.017714	82932.2	1469.1	15.80	65	0.010668
66	0.019858	0.019662	81463.1	1601.8	15.08	66	0.011843
67	0.022324	0.022078	79861.4	1763.2	14.37	67	0.013155
68	0.024439	0.024144	78098.2	1885.6	13.68	68	0.014557
69	0.027521	0.027148	76212.6	2069.0	13.01	69	0.016357
70	0.030468	0.030011	74143.6	2225.1	12.36	70	0.018432
71	0.034349	0.033769	71918.4	2428.6	11.72	71	0.020658
72	0.038115	0.037402	69489.8	2599.1	11.12	72	0.023043
73	0.042592	0.041704	66890.8	2789.6	10.53	73	0.025808
74	0.047029	0.045949	64101.2	2945.4	9.97	74	0.029094
75	0.052448	0.051107	61155.8	3125.5	9.42	75	0.032127
76	0.057374	0.055774	58030.3	3236.6	8.90	76	0.036050
77	0.063648	0.061685	54793.7	3379.9	8.40	77	0.039808
78	0.070425	0.068029	51413.8	3497.6	7.92	78	0.043989
79	0.076599	0.073774	47916.2	3535.0	7.46	79	0.048466
80	0.082049	0.078815	44381.2	3497.9	7.01	80	0.053904
81	0.090048	0.086169	40883.3	3522.9	6.57	81	0.060435
82	0.101607	0.096694	37360.4	3612.5	6.14	82	0.068193
83	0.115796	0.109459	33747.9	3694.0	5.75	83	0.077914
84	0.127014	0.119430	30053.9	3589.3	5.39	84	0.087579
85	0.141021	0.131733	26464.6	3486.3	5.06	85	0.098346
86	0.152393	0.141603	22978.3	3253.8	4.75	86	0.108288
87	0.165277	0.152662	19724.5	3011.2	4.45	87	0.121191
88	0.186022	0.170192	16713.3	2844.5	4.16	88	0.134893
89	0.202268	0.183691	13868.9	2547.6	3.91	89	0.152076
90	0.212707	0.192260	11321.3	2176.6	3.68	90	0.166529
91	0.228199	0.204828	9144.7	1873.1	3.44	91	0.186185
92	0.256692	0.227494	7271.6	1654.2	3.19	92	0.207266
93	0.276851	0.243188	5617.3	1366.1	2.99	93	0.232300
94	0.305743	0.265201	4251.3	1127.4	2.78	94	0.254784
95	0.330766	0.283826	3123.8	886.6	2.61	95	0.282501
96	0.349958	0.297842	2237.2	666.3	2.44	96	0.309697
97	0.407769	0.338711	1570.9	532.1	2.27	97	0.332784
98	0.424048	0.349868	1038.8	363.4	2.17	98	0.367701
99	0.444023	0.363354	675.4	245.4	2.07	99	0.385968
100	0.46059	0.37437	430	161	1.97	100	0.42488

ears 1999-2001

s, Females

qx	lx	dx	ex
0.005060	100000.0	506.0	80.33
0.000354	99494.0	35.2	79.74
0.000231	99458.7	23.0	78.77
0.000199	99435.7	19.8	77.79
0.000129	99415.9	12.8	76.80
0.000118	99403.1	11.7	75.81
0.000113	99391.4	11.3	74.82
0.000093	99380.1	9.2	73.83
0.000117	99370.9	11.6	72.84
0.000093	99359.3	9.2	71.85
0.000104	99350.0	10.3	70.85
0.000121	99339.7	12.0	69.86
0.000116	99327.7	11.5	68.87
0.000103	99316.2	10.2	67.88
0.000134	99305.9	13.3	66.88
0.000172	99292.6	17.1	65.89
0.000222	99275.5	22.1	64.90
0.000274	99253.5	27.2	63.92
0.000314	99226.2	31.1	62.94
0.000287	99195.1	28.4	61.96
0.000297	99166.7	29.5	60.97
0.000318	99137.2	31.6	59.99
0.000335	99105.6	33.2	59.01
0.000288	99072.4	28.5	58.03
0.000325	99043.9	32.2	57.05
0.000317	99011.7	31.3	56.06
0.000364	98980.3	36.1	55.08
0.000361	98944.3	35.8	54.10
0.000387	98908.5	38.3	53.12
0.000377	98870.2	37.3	52.14
0.000419	98832.9	41.4	51.16
0.000464	98791.5	45.8	50.18
0.000491	98745.7	48.5	49.21
0.000534	98697.2	52.7	48.23
0.000591	98644.5	58.3	47.26
0.000685	98586.3	67.6	46.28
0.000738	98518.7	72.7	45.31
0.000723	98446.0	71.2	44.35
0.000819	98374.8	80.5	43.38
0.000878	98294.3	86.3	42.41
0.000972	98208.0	95.5	41.45
0.001115	98112.5	109.4	40.49
0.001232	98003.1	120.8	39.54
0.001414	97882.4	138.4	38.58
0.001457	97744.0	142.4	37.64
0.001635	97601.5	159.5	36.69
0.001799	97442.0	175.3	35.75
0.001983	97266.7	192.9	34.81
0.002178	97073.8	211.4	33.88
0.002405	96862.3	232.9	32.96

0.002782	96629.4	268.8	32.03
0.002802	96360.6	270.0	31.12
0.003128	96090.5	300.6	30.21
0.003294	95790.0	315.5	29.30
0.003793	95474.5	362.2	28.40
0.004101	95112.3	390.1	27.50
0.004474	94722.2	423.8	26.61
0.004932	94298.4	465.1	25.73
0.005336	93833.4	500.7	24.86
0.006040	93332.7	563.8	23.99
0.006704	92769.0	621.9	23.13
0.007289	92147.0	671.6	22.28
0.007884	91475.4	721.2	21.44
0.008690	90754.2	788.7	20.61
0.009662	89965.5	869.2	19.78
0.010611	89096.3	945.4	18.97
0.011773	88150.8	1037.8	18.17
0.013069	87113.0	1138.4	17.38
0.014452	85974.6	1242.5	16.61
0.016225	84732.1	1374.8	15.84
0.018264	83357.3	1522.4	15.09
0.020447	81834.9	1673.3	14.37
0.022780	80161.7	1826.1	13.66
0.025480	78335.6	1996.0	12.96
0.028676	76339.6	2189.1	12.29
0.031619	74150.5	2344.5	11.64
0.035412	71805.9	2542.8	11.00
0.039031	69263.2	2703.4	10.38
0.043042	66559.7	2864.9	9.79
0.047319	63694.9	3014.0	9.20
0.052490	60680.9	3185.1	8.64
0.058662	57495.7	3372.8	8.09
0.065944	54122.9	3569.1	7.56
0.074993	50553.8	3791.2	7.06
0.083905	46762.6	3923.6	6.59
0.093736	42839.0	4015.6	6.15
0.102726	38823.4	3988.2	5.73
0.114267	34835.3	3980.5	5.33
0.126370	30854.7	3899.1	4.95
0.141330	26955.6	3809.6	4.60
0.153729	23146.0	3558.2	4.27
0.170329	19587.8	3336.4	3.96
0.187803	16251.4	3052.1	3.67
0.208127	13199.3	2747.1	3.40
0.225994	10452.2	2362.1	3.16
0.247536	8090.1	2002.6	2.94
0.268171	6087.5	1632.5	2.74
0.285311	4455.0	1271.1	2.57
0.310597	3183.9	988.9	2.39
0.323532	2195.0	710.2	2.25
0.35043	1484.9	520.3	2.08

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006325	0.006305	100000.0	630.5	75.29
1	0.000496	0.000495	99369.5	49.2	74.76
2	0.000315	0.000315	99320.3	31.3	73.80
3	0.000209	0.000209	99288.9	20.8	72.82
4	0.000167	0.000167	99268.2	16.6	71.84
5	0.000130	0.000130	99251.6	12.9	70.85
6	0.000151	0.000151	99238.6	15.0	69.86
7	0.000145	0.000145	99223.6	14.4	68.87
8	0.000127	0.000127	99209.3	12.6	67.88
9	0.000122	0.000122	99196.7	12.1	66.89
10	0.000137	0.000137	99184.6	13.6	65.90
11	0.000138	0.000138	99171.0	13.7	64.90
12	0.000161	0.000161	99157.3	16.0	63.91
13	0.000174	0.000174	99141.3	17.3	62.92
14	0.000223	0.000223	99124.0	22.1	61.93
15	0.000246	0.000246	99101.9	24.4	60.95
16	0.000424	0.000424	99077.5	42.0	59.96
17	0.000561	0.000561	99035.5	55.6	58.99
18	0.000782	0.000782	98979.9	77.4	58.02
19	0.000819	0.000818	98902.5	80.9	57.07
20	0.000772	0.000772	98821.6	76.3	56.11
21	0.000792	0.000792	98745.3	78.2	55.16
22	0.000877	0.000876	98667.1	86.5	54.20
23	0.000911	0.000911	98580.6	89.8	53.25
24	0.000895	0.000895	98490.8	88.1	52.29
25	0.000895	0.000895	98402.7	88.1	51.34
26	0.000923	0.000923	98314.6	90.7	50.39
27	0.000982	0.000982	98223.9	96.5	49.43
28	0.000961	0.000960	98127.4	94.2	48.48
29	0.001006	0.001006	98033.2	98.6	47.53
30	0.001025	0.001025	97934.6	100.3	46.57
31	0.000998	0.000998	97834.3	97.6	45.62
32	0.001128	0.001128	97736.7	110.2	44.67
33	0.001097	0.001097	97626.4	107.1	43.72
34	0.001090	0.001090	97519.4	106.3	42.76
35	0.001207	0.001206	97413.1	117.5	41.81
36	0.001261	0.001260	97295.6	122.6	40.86
37	0.001340	0.001339	97173.0	130.1	39.91
38	0.001350	0.001349	97042.9	130.9	38.96
39	0.001519	0.001518	96912.0	147.1	38.02
40	0.001608	0.001606	96764.9	155.4	37.07
41	0.001826	0.001825	96609.5	176.3	36.13
42	0.001852	0.001850	96433.2	178.4	35.20
43	0.002046	0.002044	96254.8	196.8	34.26
44	0.002297	0.002294	96058.0	220.4	33.33
45	0.002502	0.002499	95837.6	239.5	32.41
46	0.002789	0.002785	95598.1	266.2	31.49
47	0.003113	0.003109	95331.9	296.4	30.57
48	0.003268	0.003262	95035.5	310.0	29.67
49	0.003668	0.003662	94725.5	346.9	28.76

National life table

age	mx
0	0.005066
1	0.000383
2	0.000248
3	0.000187
4	0.000117
5	0.000119
6	0.000110
7	0.000096
8	0.000098
9	0.000092
10	0.000110
11	0.000120
12	0.000132
13	0.000121
14	0.000141
15	0.000163
16	0.000247
17	0.000282
18	0.000322
19	0.000302
20	0.000304
21	0.000312
22	0.000345
23	0.000289
24	0.000330
25	0.000346
26	0.000344
27	0.000363
28	0.000405
29	0.000384
30	0.000465
31	0.000464
32	0.000463
33	0.000549
34	0.000564
35	0.000650
36	0.000724
37	0.000741
38	0.000822
39	0.000905
40	0.001006
41	0.001152
42	0.001249
43	0.001371
44	0.001547
45	0.001658
46	0.001795
47	0.001990
48	0.002175
49	0.002450

50	0.004039	0.004031	94378.6	380.5	27.86	50	0.002763
51	0.004242	0.004233	93998.2	397.9	26.98	51	0.002828
52	0.004748	0.004737	93600.3	443.4	26.09	52	0.003175
53	0.005335	0.005321	93156.9	495.7	25.21	53	0.003383
54	0.005868	0.005851	92661.2	542.1	24.34	54	0.003903
55	0.006545	0.006524	92119.0	601.0	23.48	55	0.004220
56	0.007442	0.007415	91518.0	678.6	22.63	56	0.004528
57	0.008302	0.008268	90839.5	751.0	21.80	57	0.005029
58	0.009046	0.009005	90088.4	811.3	20.98	58	0.005536
59	0.009994	0.009944	89277.2	887.8	20.16	59	0.006211
60	0.011164	0.011102	88389.4	981.3	19.36	60	0.006874
61	0.012389	0.012312	87408.1	1076.2	18.57	61	0.007378
62	0.013542	0.013451	86331.9	1161.2	17.80	62	0.008172
63	0.014968	0.014857	85170.7	1265.3	17.03	63	0.008814
64	0.016635	0.016498	83905.3	1384.3	16.28	64	0.010103
65	0.018804	0.018629	82521.0	1537.3	15.55	65	0.010957
66	0.020754	0.020541	80983.8	1663.5	14.83	66	0.012342
67	0.023302	0.023034	79320.3	1827.1	14.13	67	0.013760
68	0.025703	0.025377	77493.2	1966.5	13.45	68	0.015029
69	0.028755	0.028348	75526.7	2141.0	12.79	69	0.017191
70	0.032201	0.031690	73385.7	2325.6	12.15	70	0.019172
71	0.035823	0.035193	71060.1	2500.8	11.53	71	0.021558
72	0.039914	0.039133	68559.3	2682.9	10.93	72	0.024127
73	0.044416	0.043451	65876.4	2862.4	10.36	73	0.026695
74	0.049260	0.048075	63014.0	3029.4	9.81	74	0.030243
75	0.054017	0.052596	59984.5	3155.0	9.28	75	0.032746
76	0.059310	0.057602	56829.6	3273.5	8.76	76	0.036995
77	0.065378	0.063308	53556.1	3390.5	8.27	77	0.040761
78	0.071884	0.069390	50165.6	3481.0	7.79	78	0.044937
79	0.078013	0.075084	46684.6	3505.3	7.34	79	0.049033
80	0.084553	0.081123	43179.3	3502.9	6.89	80	0.055181
81	0.093940	0.089726	39676.5	3560.0	6.46	81	0.061677
82	0.107131	0.101684	36116.5	3672.5	6.04	82	0.071315
83	0.118390	0.111773	32444.0	3626.4	5.67	83	0.079037
84	0.130562	0.122561	28817.6	3531.9	5.32	84	0.088510
85	0.142406	0.132940	25285.7	3361.5	5.00	85	0.098653
86	0.155369	0.144169	21924.2	3160.8	4.69	86	0.110469
87	0.170372	0.156998	18763.4	2945.8	4.39	87	0.122549
88	0.187659	0.171561	15817.6	2713.7	4.12	88	0.137742
89	0.205129	0.186047	13103.9	2437.9	3.86	89	0.153740
90	0.217897	0.196490	10666.0	2095.8	3.63	90	0.169019
91	0.233578	0.209152	8570.2	1792.5	3.40	91	0.188801
92	0.258234	0.228704	6777.7	1550.1	3.17	92	0.211320
93	0.281229	0.246559	5227.6	1288.9	2.96	93	0.235071
94	0.307672	0.266652	3938.7	1050.3	2.76	94	0.258370
95	0.336832	0.288281	2888.5	832.7	2.58	95	0.283000
96	0.353048	0.300077	2055.8	616.9	2.43	96	0.310488
97	0.397576	0.331648	1438.9	477.2	2.25	97	0.339421
98	0.421116	0.347869	961.7	334.5	2.12	98	0.364529
99	0.449895	0.367277	627.1	230.3	1.98	99	0.386637
100	0.48861	0.39268	396.8	155.8	1.85	100	0.43535

ears 1998-2000

s, Females

qx	lx	dx	ex
0.005053	100000.0	505.3	80.12
0.000383	99494.7	38.1	79.52
0.000247	99456.6	24.6	78.55
0.000187	99432.0	18.6	77.57
0.000117	99413.4	11.6	76.59
0.000119	99401.8	11.8	75.59
0.000110	99389.9	10.9	74.60
0.000096	99379.0	9.5	73.61
0.000098	99369.5	9.8	72.62
0.000092	99359.7	9.2	71.63
0.000110	99350.6	10.9	70.63
0.000120	99339.7	11.9	69.64
0.000132	99327.7	13.1	68.65
0.000121	99314.6	12.0	67.66
0.000141	99302.6	14.0	66.67
0.000163	99288.6	16.2	65.67
0.000247	99272.4	24.5	64.69
0.000281	99247.9	27.9	63.70
0.000322	99220.0	31.9	62.72
0.000302	99188.0	29.9	61.74
0.000304	99158.1	30.1	60.76
0.000312	99127.9	30.9	59.78
0.000345	99097.0	34.2	58.79
0.000289	99062.8	28.6	57.81
0.000330	99034.2	32.6	56.83
0.000346	99001.6	34.2	55.85
0.000344	98967.3	34.1	54.87
0.000363	98933.3	35.9	53.89
0.000405	98897.4	40.0	52.91
0.000384	98857.3	38.0	51.93
0.000465	98819.4	46.0	50.95
0.000464	98773.4	45.8	49.97
0.000462	98727.6	45.7	48.99
0.000549	98681.9	54.2	48.02
0.000563	98627.7	55.6	47.04
0.000650	98572.1	64.0	46.07
0.000724	98508.1	71.3	45.10
0.000741	98436.7	72.9	44.13
0.000821	98363.8	80.8	43.16
0.000905	98283.0	88.9	42.20
0.001006	98194.1	98.8	41.24
0.001152	98095.4	113.0	40.28
0.001248	97982.4	122.3	39.32
0.001370	97860.1	134.1	38.37
0.001546	97726.0	151.1	37.42
0.001657	97574.9	161.7	36.48
0.001794	97413.2	174.7	35.54
0.001988	97238.5	193.3	34.60
0.002172	97045.2	210.8	33.67
0.002447	96834.4	236.9	32.74

0.002759	96597.5	266.5	31.82
0.002824	96331.0	272.0	30.91
0.003170	96059.0	304.5	30.00
0.003377	95754.5	323.4	29.09
0.003895	95431.2	371.7	28.19
0.004211	95059.4	400.3	27.29
0.004518	94659.2	427.7	26.41
0.005016	94231.5	472.7	25.53
0.005521	93758.8	517.6	24.65
0.006192	93241.2	577.4	23.79
0.006850	92663.8	634.8	22.93
0.007351	92029.1	676.5	22.09
0.008138	91352.6	743.5	21.25
0.008776	90609.1	795.1	20.42
0.010052	89814.0	902.9	19.59
0.010897	88911.1	968.9	18.79
0.012266	87942.2	1078.7	17.99
0.013666	86863.5	1187.0	17.20
0.014917	85676.5	1278.0	16.44
0.017045	84398.5	1438.5	15.68
0.018990	82959.9	1575.4	14.94
0.021328	81384.5	1735.8	14.22
0.023839	79648.8	1898.8	13.52
0.026344	77750.0	2048.2	12.84
0.029793	75701.8	2255.4	12.17
0.032218	73446.4	2366.3	11.53
0.036323	71080.1	2581.9	10.90
0.039947	68498.2	2736.3	10.29
0.043950	65761.9	2890.2	9.69
0.047860	62871.7	3009.0	9.12
0.053700	59862.7	3214.6	8.55
0.059831	56648.0	3389.3	8.01
0.068860	53258.7	3667.4	7.49
0.076032	49591.3	3770.5	7.00
0.084759	45820.8	3883.7	6.54
0.094016	41937.0	3942.7	6.10
0.104686	37994.3	3977.5	5.68
0.115473	34016.8	3928.0	5.28
0.128867	30088.8	3877.4	4.91
0.142766	26211.3	3742.1	4.56
0.155848	22469.2	3501.8	4.23
0.172515	18967.5	3272.2	3.92
0.191126	15695.3	2999.8	3.64
0.210348	12695.5	2670.5	3.38
0.228811	10025.0	2293.8	3.15
0.247920	7731.2	1916.7	2.93
0.268764	5814.5	1562.7	2.73
0.290175	4251.8	1233.8	2.55
0.308332	3018.0	930.5	2.39
0.324002	2087.5	676.3	2.23
0.35753	1411.1	504.5	2.06

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006454	0.006434	100000.0	643.4	75.00
1	0.000533	0.000533	99356.6	52.9	74.49
2	0.000326	0.000326	99303.7	32.3	73.53
3	0.000218	0.000218	99271.4	21.6	72.55
4	0.000179	0.000179	99249.8	17.7	71.56
5	0.000155	0.000155	99232.1	15.4	70.58
6	0.000143	0.000143	99216.7	14.2	69.59
7	0.000139	0.000139	99202.5	13.8	68.60
8	0.000141	0.000141	99188.7	14.0	67.61
9	0.000132	0.000132	99174.7	13.1	66.62
10	0.000146	0.000146	99161.6	14.4	65.63
11	0.000160	0.000160	99147.2	15.9	64.64
12	0.000171	0.000171	99131.3	16.9	63.65
13	0.000188	0.000188	99114.3	18.6	62.66
14	0.000249	0.000249	99095.7	24.6	61.67
15	0.000275	0.000275	99071.0	27.2	60.68
16	0.000448	0.000448	99043.8	44.4	59.70
17	0.000594	0.000594	98999.5	58.8	58.73
18	0.000791	0.000791	98940.7	78.2	57.76
19	0.000844	0.000844	98862.5	83.4	56.81
20	0.000836	0.000836	98779.0	82.5	55.85
21	0.000859	0.000859	98696.5	84.8	54.90
22	0.000883	0.000883	98611.7	87.1	53.95
23	0.000894	0.000894	98524.6	88.1	52.99
24	0.000899	0.000899	98436.5	88.5	52.04
25	0.000947	0.000947	98348.1	93.1	51.09
26	0.000935	0.000934	98255.0	91.8	50.14
27	0.000917	0.000917	98163.2	90.0	49.18
28	0.000935	0.000935	98073.2	91.7	48.23
29	0.001004	0.001004	97981.5	98.4	47.27
30	0.000995	0.000994	97883.1	97.3	46.32
31	0.001015	0.001014	97785.8	99.2	45.36
32	0.001080	0.001080	97686.6	105.5	44.41
33	0.001109	0.001109	97581.2	108.2	43.46
34	0.001105	0.001104	97473.0	107.6	42.50
35	0.001169	0.001169	97365.4	113.8	41.55
36	0.001171	0.001170	97251.6	113.8	40.60
37	0.001286	0.001285	97137.8	124.8	39.65
38	0.001356	0.001355	97013.0	131.4	38.70
39	0.001529	0.001528	96881.5	148.0	37.75
40	0.001593	0.001592	96733.6	154.0	36.81
41	0.001823	0.001822	96579.5	175.9	35.86
42	0.001918	0.001917	96403.6	184.8	34.93
43	0.002143	0.002141	96218.9	206.0	33.99
44	0.002345	0.002343	96012.9	224.9	33.07
45	0.002539	0.002536	95787.9	242.9	32.14
46	0.002787	0.002784	95545.0	266.0	31.22
47	0.003144	0.003139	95279.0	299.1	30.31
48	0.003261	0.003256	94980.0	309.3	29.40
49	0.003590	0.003583	94670.7	339.2	28.50

National life table

age	mx
0	0.005138
1	0.000403
2	0.000275
3	0.000173
4	0.000111
5	0.000114
6	0.000115
7	0.000108
8	0.000098
9	0.000101
10	0.000124
11	0.000113
12	0.000143
13	0.000135
14	0.000143
15	0.000204
16	0.000254
17	0.000302
18	0.000302
19	0.000289
20	0.000299
21	0.000332
22	0.000343
23	0.000269
24	0.000329
25	0.000342
26	0.000332
27	0.000340
28	0.000384
29	0.000407
30	0.000451
31	0.000478
32	0.000460
33	0.000545
34	0.000556
35	0.000661
36	0.000727
37	0.000781
38	0.000831
39	0.000944
40	0.000990
41	0.001128
42	0.001242
43	0.001386
44	0.001587
45	0.001659
46	0.001782
47	0.002029
48	0.002247
49	0.002399

50	0.003875	0.003867	94331.5	364.8	27.60	50	0.002700
51	0.004346	0.004336	93966.6	407.4	26.70	51	0.002905
52	0.004893	0.004881	93559.2	456.6	25.82	52	0.003201
53	0.005575	0.005559	93102.5	517.6	24.94	53	0.003417
54	0.006164	0.006145	92585.0	568.9	24.08	54	0.003934
55	0.006708	0.006685	92016.1	615.1	23.22	55	0.004241
56	0.007553	0.007525	91400.9	687.8	22.38	56	0.004549
57	0.008675	0.008637	90713.2	783.5	21.54	57	0.005178
58	0.009416	0.009371	89929.7	842.8	20.73	58	0.005667
59	0.010214	0.010162	89086.9	905.3	19.92	59	0.006299
60	0.011396	0.011332	88181.6	999.2	19.12	60	0.007083
61	0.012640	0.012561	87182.3	1095.1	18.33	61	0.007667
62	0.013959	0.013862	86087.3	1193.4	17.56	62	0.008475
63	0.015363	0.015246	84893.9	1294.3	16.80	63	0.009106
64	0.017411	0.017260	83599.6	1443.0	16.05	64	0.010220
65	0.019539	0.019350	82156.7	1589.7	15.32	65	0.011441
66	0.021426	0.021199	80567.0	1708.0	14.61	66	0.012799
67	0.024333	0.024041	78859.0	1895.8	13.92	67	0.014248
68	0.026830	0.026475	76963.2	2037.6	13.25	68	0.015647
69	0.029982	0.029540	74925.6	2213.3	12.60	69	0.017718
70	0.033605	0.033050	72712.3	2403.1	11.96	70	0.019969
71	0.037341	0.036657	70309.2	2577.3	11.36	71	0.022486
72	0.041299	0.040463	67731.9	2740.6	10.77	72	0.025210
73	0.045663	0.044644	64991.3	2901.5	10.20	73	0.027844
74	0.050907	0.049644	62089.8	3082.4	9.66	74	0.030629
75	0.055555	0.054054	59007.4	3189.6	9.13	75	0.033654
76	0.061567	0.059728	55817.8	3333.9	8.63	76	0.037622
77	0.066533	0.064391	52483.9	3379.5	8.14	77	0.041159
78	0.072883	0.070320	49104.4	3453.0	7.67	78	0.045898
79	0.080580	0.077459	45651.4	3536.1	7.21	79	0.050330
80	0.088366	0.084627	42115.3	3564.1	6.78	80	0.056979
81	0.098132	0.093542	38551.2	3606.2	6.36	81	0.064206
82	0.109336	0.103669	34945.0	3622.7	5.96	82	0.072758
83	0.121157	0.114237	31322.3	3578.2	5.59	83	0.080313
84	0.132258	0.124055	27744.1	3441.8	5.25	84	0.089268
85	0.145874	0.135958	24302.4	3304.1	4.92	85	0.100182
86	0.157818	0.146275	20998.3	3071.5	4.62	86	0.112616
87	0.174898	0.160833	17926.7	2883.2	4.32	87	0.124662
88	0.192081	0.175250	15043.5	2636.4	4.06	88	0.139883
89	0.209886	0.189951	12407.1	2356.8	3.81	89	0.157240
90	0.221561	0.199464	10050.4	2004.7	3.59	90	0.171180
91	0.238836	0.213358	8045.7	1716.6	3.36	91	0.191321
92	0.263191	0.232584	6329.1	1472.0	3.13	92	0.214756
93	0.285918	0.250156	4857.0	1215.0	2.93	93	0.238031
94	0.312766	0.270469	3642.0	985.1	2.75	94	0.260447
95	0.339674	0.290360	2657.0	771.5	2.58	95	0.282601
96	0.357687	0.303422	1885.5	572.1	2.43	96	0.311901
97	0.389857	0.326259	1313.4	428.5	2.27	97	0.341028
98	0.415236	0.343847	884.9	304.3	2.12	98	0.363141
99	0.451145	0.368110	580.6	213.7	1.97	99	0.390677
100	0.471115	0.38132	366.9	139.9	1.83	100	0.45228

ears 1997-1999

s, Females

qx	lx	dx	ex
0.005125	100000.0	512.5	79.90
0.000403	99487.5	40.1	79.31
0.000275	99447.5	27.4	78.34
0.000173	99420.1	17.2	77.36
0.000111	99403.0	11.0	76.38
0.000114	99391.9	11.3	75.38
0.000115	99380.6	11.4	74.39
0.000108	99369.2	10.7	73.40
0.000098	99358.5	9.7	72.41
0.000101	99348.8	10.1	71.42
0.000124	99338.7	12.3	70.42
0.000113	99326.4	11.2	69.43
0.000143	99315.2	14.2	68.44
0.000135	99301.0	13.5	67.45
0.000143	99287.6	14.2	66.46
0.000204	99273.4	20.3	65.47
0.000254	99253.1	25.2	64.48
0.000302	99227.8	30.0	63.50
0.000302	99197.8	29.9	62.52
0.000289	99167.9	28.7	61.54
0.000299	99139.3	29.6	60.55
0.000332	99109.7	32.9	59.57
0.000343	99076.7	33.9	58.59
0.000269	99042.8	26.7	57.61
0.000328	99016.1	32.5	56.63
0.000342	98983.6	33.9	55.64
0.000332	98949.7	32.8	54.66
0.000340	98916.9	33.6	53.68
0.000384	98883.3	38.0	52.70
0.000407	98845.3	40.2	51.72
0.000451	98805.1	44.5	50.74
0.000478	98760.6	47.2	49.76
0.000459	98713.4	45.4	48.79
0.000545	98668.1	53.8	47.81
0.000556	98614.3	54.8	46.83
0.000661	98559.5	65.2	45.86
0.000727	98494.3	71.6	44.89
0.000781	98422.8	76.9	43.92
0.000831	98345.9	81.7	42.96
0.000944	98264.1	92.7	41.99
0.000990	98171.4	97.1	41.03
0.001127	98074.3	110.5	40.07
0.001241	97963.7	121.6	39.12
0.001385	97842.2	135.5	38.16
0.001586	97706.7	155.0	37.22
0.001657	97551.7	161.7	36.27
0.001781	97390.0	173.4	35.33
0.002027	97216.6	197.0	34.40
0.002245	97019.6	217.8	33.46
0.002396	96801.8	232.0	32.54

0.002696	96569.8	260.4	31.62
0.002900	96309.5	279.3	30.70
0.003196	96030.1	306.9	29.79
0.003411	95723.2	326.5	28.88
0.003926	95396.7	374.5	27.98
0.004232	95022.1	402.1	27.09
0.004538	94620.0	429.4	26.20
0.005165	94190.6	486.5	25.32
0.005651	93704.1	529.5	24.45
0.006279	93174.6	585.1	23.58
0.007058	92589.5	653.5	22.73
0.007637	91936.0	702.2	21.89
0.008440	91233.9	770.0	21.05
0.009065	90463.9	820.0	20.23
0.010168	89643.9	911.5	19.41
0.011376	88732.3	1009.4	18.60
0.012717	87722.9	1115.6	17.81
0.014147	86607.3	1225.2	17.03
0.015526	85382.1	1325.6	16.27
0.017562	84056.5	1476.2	15.52
0.019772	82580.3	1632.8	14.79
0.022236	80947.5	1800.0	14.07
0.024897	79147.6	1970.5	13.38
0.027461	77177.1	2119.4	12.71
0.030167	75057.7	2264.3	12.06
0.033097	72793.4	2409.3	11.42
0.036927	70384.1	2599.1	10.79
0.040329	67785.0	2733.7	10.18
0.044868	65051.3	2918.8	9.59
0.049094	62132.6	3050.4	9.02
0.055401	59082.2	3273.2	8.46
0.062209	55809.0	3471.8	7.92
0.070204	52337.2	3674.3	7.42
0.077212	48662.9	3757.4	6.94
0.085454	44905.5	3837.3	6.48
0.095403	41068.2	3918.0	6.04
0.106613	37150.2	3960.7	5.62
0.117348	33189.5	3894.7	5.23
0.130739	29294.8	3830.0	4.86
0.145779	25464.8	3712.2	4.52
0.157684	21752.6	3430.0	4.20
0.174617	18322.5	3199.4	3.89
0.193932	15123.1	2932.9	3.61
0.212714	12190.2	2593.0	3.36
0.230438	9597.2	2211.6	3.13
0.247613	7385.6	1828.8	2.92
0.269822	5556.9	1499.4	2.72
0.291349	4057.5	1182.1	2.54
0.307338	2875.3	883.7	2.37
0.326834	1991.6	650.9	2.20
0.36887	1340.7	494.5	2.03

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006613	0.006591	100000.0	659.1	74.74
1	0.000527	0.000527	99340.9	52.4	74.24
2	0.000316	0.000316	99288.5	31.4	73.28
3	0.000222	0.000222	99257.1	22.1	72.30
4	0.000199	0.000199	99235.0	19.8	71.32
5	0.000164	0.000164	99215.3	16.3	70.33
6	0.000146	0.000146	99199.0	14.5	69.34
7	0.000131	0.000131	99184.5	13.0	68.35
8	0.000144	0.000144	99171.6	14.3	67.36
9	0.000143	0.000143	99157.3	14.2	66.37
10	0.000141	0.000141	99143.1	14.0	65.38
11	0.000165	0.000165	99129.1	16.3	64.39
12	0.000170	0.000170	99112.8	16.8	63.40
13	0.000207	0.000207	99096.0	20.5	62.41
14	0.000264	0.000264	99075.5	26.2	61.42
15	0.000312	0.000312	99049.3	30.9	60.44
16	0.000457	0.000457	99018.4	45.3	59.46
17	0.000603	0.000603	98973.1	59.7	58.49
18	0.000812	0.000811	98913.5	80.3	57.52
19	0.000836	0.000836	98833.2	82.6	56.57
20	0.000849	0.000849	98750.6	83.8	55.61
21	0.000885	0.000885	98666.8	87.3	54.66
22	0.000895	0.000894	98579.4	88.2	53.71
23	0.000880	0.000880	98491.3	86.6	52.76
24	0.000896	0.000896	98404.7	88.1	51.80
25	0.000955	0.000955	98316.5	93.9	50.85
26	0.000888	0.000887	98222.6	87.2	49.90
27	0.000881	0.000880	98135.5	86.4	48.94
28	0.000944	0.000944	98049.1	92.5	47.98
29	0.000989	0.000988	97956.6	96.8	47.03
30	0.001002	0.001001	97859.8	98.0	46.07
31	0.001062	0.001061	97761.8	103.7	45.12
32	0.001079	0.001079	97658.0	105.3	44.17
33	0.001091	0.001091	97552.7	106.4	43.21
34	0.001106	0.001106	97446.3	107.8	42.26
35	0.001162	0.001161	97338.5	113.0	41.31
36	0.001181	0.001180	97225.5	114.7	40.36
37	0.001299	0.001298	97110.7	126.1	39.40
38	0.001345	0.001344	96984.7	130.4	38.45
39	0.001599	0.001597	96854.3	154.7	37.50
40	0.001644	0.001643	96699.6	158.9	36.56
41	0.001830	0.001828	96540.8	176.5	35.62
42	0.001949	0.001947	96364.3	187.6	34.69
43	0.002220	0.002218	96176.7	213.3	33.75
44	0.002384	0.002381	95963.4	228.5	32.83
45	0.002642	0.002638	95734.8	252.6	31.90
46	0.002767	0.002763	95482.2	263.8	30.99
47	0.003115	0.003110	95218.4	296.2	30.07
48	0.003290	0.003284	94922.3	311.8	29.16
49	0.003598	0.003592	94610.5	339.8	28.26

National life table

age	mx
0	0.005248
1	0.000419
2	0.000265
3	0.000166
4	0.000118
5	0.000115
6	0.000125
7	0.000108
8	0.000092
9	0.000111
10	0.000109
11	0.000097
12	0.000126
13	0.000145
14	0.000166
15	0.000214
16	0.000268
17	0.000288
18	0.000313
19	0.000310
20	0.000301
21	0.000327
22	0.000308
23	0.000300
24	0.000321
25	0.000364
26	0.000339
27	0.000360
28	0.000375
29	0.000424
30	0.000447
31	0.000476
32	0.000495
33	0.000552
34	0.000581
35	0.000675
36	0.000753
37	0.000784
38	0.000879
39	0.000947
40	0.001008
41	0.001151
42	0.001242
43	0.001412
44	0.001570
45	0.001678
46	0.001806
47	0.002029
48	0.002199
49	0.002333

50	0.003853	0.003845	94270.7	362.5	27.36	50	0.002722
51	0.004397	0.004387	93908.2	412.0	26.46	51	0.003032
52	0.005080	0.005067	93496.2	473.7	25.58	52	0.003325
53	0.005619	0.005603	93022.5	521.2	24.70	53	0.003519
54	0.006316	0.006296	92501.3	582.4	23.84	54	0.003926
55	0.007003	0.006979	91918.9	641.5	22.99	55	0.004342
56	0.007830	0.007800	91277.4	712.0	22.15	56	0.004617
57	0.008583	0.008546	90565.5	774.0	21.32	57	0.005309
58	0.009620	0.009574	89791.5	859.6	20.50	58	0.005808
59	0.010426	0.010372	88931.8	922.4	19.69	59	0.006395
60	0.011717	0.011649	88009.4	1025.2	18.89	60	0.007092
61	0.013035	0.012951	86984.2	1126.5	18.11	61	0.007747
62	0.014442	0.014338	85857.7	1231.1	17.34	62	0.008702
63	0.016064	0.015936	84626.6	1348.6	16.58	63	0.009239
64	0.018215	0.018051	83278.0	1503.3	15.84	64	0.010482
65	0.020317	0.020113	81774.7	1644.7	15.13	65	0.011803
66	0.022122	0.021880	80130.0	1753.2	14.43	66	0.013052
67	0.025053	0.024743	78376.8	1939.3	13.74	67	0.014607
68	0.028065	0.027676	76437.5	2115.5	13.07	68	0.016394
69	0.031088	0.030612	74322.0	2275.1	12.43	69	0.018413
70	0.034968	0.034367	72046.9	2476.0	11.81	70	0.020671
71	0.038307	0.037587	69570.8	2615.0	11.21	71	0.022954
72	0.042853	0.041954	66955.9	2809.1	10.63	72	0.025761
73	0.046902	0.045828	64146.8	2939.7	10.07	73	0.028432
74	0.052672	0.051321	61207.1	3141.2	9.53	74	0.030907
75	0.057181	0.055592	58065.9	3228.0	9.02	75	0.034154
76	0.062321	0.060438	54837.9	3314.3	8.52	76	0.037688
77	0.067203	0.065018	51523.7	3350.0	8.04	77	0.041741
78	0.074448	0.071776	48173.7	3457.7	7.56	78	0.046630
79	0.083175	0.079854	44716.0	3570.8	7.11	79	0.051785
80	0.093224	0.089072	41145.2	3664.9	6.68	80	0.058546
81	0.100568	0.095753	37480.3	3588.9	6.29	81	0.064963
82	0.110975	0.105141	33891.5	3563.4	5.90	82	0.073333
83	0.122687	0.115596	30328.1	3505.8	5.54	83	0.081438
84	0.133557	0.125197	26822.3	3358.1	5.19	84	0.090397
85	0.149204	0.138846	23464.2	3257.9	4.86	85	0.100455
86	0.161055	0.149052	20206.3	3011.8	4.57	86	0.113930
87	0.178821	0.164145	17194.5	2822.4	4.28	87	0.125671
88	0.192164	0.175319	14372.1	2519.7	4.02	88	0.140935
89	0.213028	0.192522	11852.4	2281.8	3.77	89	0.157320
90	0.223119	0.200726	9570.6	1921.1	3.55	90	0.171544
91	0.240859	0.214970	7649.5	1644.4	3.32	91	0.191772
92	0.269954	0.237850	6005.1	1428.3	3.09	92	0.212274
93	0.291439	0.254372	4576.8	1164.2	2.90	93	0.234296
94	0.313615	0.271104	3412.6	925.2	2.72	94	0.258225
95	0.340683	0.291097	2487.4	724.1	2.55	95	0.284950
96	0.365761	0.309212	1763.3	545.2	2.39	96	0.310072
97	0.401022	0.334043	1218.1	406.9	2.23	97	0.337257
98	0.405392	0.337070	811.2	273.4	2.10	98	0.355841
99	0.457096	0.372062	537.8	200.1	1.92	99	0.395321
100	0.49857	0.39908	337.7	134.8	1.76	100	0.45057

ears 1996-1998

s, Females

qx	lx	dx	ex
0.005234	100000.0	523.4	79.74
0.000419	99476.6	41.7	79.16
0.000265	99434.9	26.4	78.19
0.000166	99408.5	16.5	77.21
0.000118	99392.0	11.8	76.22
0.000115	99380.3	11.4	75.23
0.000125	99368.8	12.5	74.24
0.000108	99356.4	10.7	73.25
0.000092	99345.6	9.1	72.26
0.000111	99336.5	11.0	71.27
0.000109	99325.5	10.8	70.27
0.000097	99314.7	9.7	69.28
0.000126	99305.0	12.5	68.29
0.000145	99292.5	14.4	67.30
0.000166	99278.1	16.5	66.31
0.000214	99261.6	21.2	65.32
0.000268	99240.4	26.6	64.33
0.000288	99213.8	28.6	63.35
0.000313	99185.2	31.0	62.37
0.000310	99154.2	30.7	61.39
0.000301	99123.5	29.8	60.40
0.000327	99093.7	32.4	59.42
0.000308	99061.3	30.5	58.44
0.000299	99030.8	29.7	57.46
0.000321	99001.2	31.8	56.48
0.000364	98969.4	36.1	55.49
0.000339	98933.3	33.5	54.51
0.000360	98899.8	35.6	53.53
0.000375	98864.2	37.1	52.55
0.000424	98827.1	41.9	51.57
0.000447	98785.2	44.1	50.59
0.000476	98741.0	47.0	49.62
0.000494	98694.0	48.8	48.64
0.000552	98645.2	54.4	47.66
0.000581	98590.8	57.3	46.69
0.000675	98533.5	66.5	45.72
0.000753	98467.0	74.1	44.75
0.000784	98392.9	77.1	43.78
0.000879	98315.8	86.4	42.81
0.000947	98229.4	93.0	41.85
0.001007	98136.4	98.8	40.89
0.001150	98037.5	112.8	39.93
0.001241	97924.8	121.6	38.98
0.001411	97803.2	138.0	38.02
0.001569	97665.2	153.2	37.08
0.001677	97512.0	163.5	36.13
0.001805	97348.4	175.7	35.19
0.002027	97172.8	197.0	34.26
0.002197	96975.8	213.1	33.33
0.002330	96762.7	225.5	32.40

0.002718	96537.2	262.4	31.47
0.003028	96274.9	291.5	30.56
0.003319	95983.4	318.6	29.65
0.003513	95664.8	336.0	28.74
0.003918	95328.7	373.5	27.84
0.004333	94955.2	411.4	26.95
0.004606	94543.8	435.5	26.07
0.005295	94108.3	498.3	25.19
0.005791	93610.0	542.1	24.32
0.006375	93067.9	593.3	23.46
0.007067	92474.6	653.5	22.60
0.007717	91821.0	708.6	21.76
0.008665	91112.4	789.5	20.93
0.009196	90323.0	830.6	20.10
0.010427	89492.4	933.1	19.29
0.011733	88559.2	1039.1	18.48
0.012967	87520.1	1134.9	17.70
0.014502	86385.2	1252.7	16.92
0.016261	85132.5	1384.3	16.17
0.018245	83748.2	1528.0	15.42
0.020459	82220.2	1682.2	14.70
0.022694	80538.0	1827.7	14.00
0.025433	78710.3	2001.9	13.31
0.028034	76708.5	2150.4	12.65
0.030436	74558.0	2269.3	12.00
0.033580	72288.7	2427.5	11.36
0.036991	69861.3	2584.2	10.73
0.040888	67277.0	2750.8	10.13
0.045568	64526.2	2940.3	9.54
0.050478	61585.9	3108.8	8.97
0.056881	58477.1	3326.2	8.42
0.062919	55150.9	3470.1	7.90
0.070739	51680.9	3655.9	7.39
0.078252	48025.0	3758.0	6.92
0.086487	44267.0	3828.5	6.46
0.095650	40438.4	3868.0	6.03
0.107790	36570.5	3941.9	5.61
0.118241	32628.6	3858.0	5.23
0.131658	28770.5	3787.9	4.86
0.145847	24982.7	3643.7	4.53
0.157993	21339.0	3371.4	4.21
0.174992	17967.6	3144.2	3.91
0.191905	14823.4	2844.7	3.63
0.209727	11978.7	2512.3	3.38
0.228698	9466.5	2165.0	3.14
0.249414	7301.5	1821.1	2.93
0.268452	5480.4	1471.2	2.73
0.288592	4009.2	1157.0	2.55
0.302092	2852.2	861.6	2.39
0.330077	1990.5	657.0	2.20
0.36773	1333.5	490.4	2.04

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006792	0.006769	100000.0	676.9	74.51
1	0.000507	0.000507	99323.1	50.4	74.01
2	0.000303	0.000303	99272.7	30.1	73.05
3	0.000228	0.000228	99242.6	22.6	72.07
4	0.000188	0.000188	99220.0	18.7	71.09
5	0.000167	0.000167	99201.3	16.6	70.10
6	0.000152	0.000152	99184.8	15.1	69.11
7	0.000121	0.000121	99169.7	12.0	68.12
8	0.000153	0.000153	99157.7	15.2	67.13
9	0.000158	0.000158	99142.5	15.6	66.14
10	0.000162	0.000162	99126.9	16.0	65.15
11	0.000160	0.000160	99110.8	15.9	64.16
12	0.000179	0.000179	99094.9	17.7	63.17
13	0.000210	0.000210	99077.2	20.8	62.18
14	0.000269	0.000269	99056.4	26.6	61.20
15	0.000307	0.000307	99029.8	30.4	60.21
16	0.000405	0.000405	98999.4	40.1	59.23
17	0.000628	0.000628	98959.3	62.1	58.26
18	0.000817	0.000816	98897.1	80.7	57.29
19	0.000824	0.000824	98816.4	81.4	56.34
20	0.000873	0.000873	98735.0	86.1	55.38
21	0.000946	0.000945	98648.9	93.3	54.43
22	0.000855	0.000855	98555.6	84.2	53.48
23	0.000859	0.000859	98471.4	84.6	52.53
24	0.000860	0.000860	98386.8	84.6	51.57
25	0.000934	0.000933	98302.2	91.8	50.62
26	0.000857	0.000857	98210.5	84.1	49.66
27	0.000884	0.000884	98126.3	86.7	48.71
28	0.000941	0.000940	98039.6	92.2	47.75
29	0.000996	0.000996	97947.5	97.5	46.79
30	0.000966	0.000965	97849.9	94.5	45.84
31	0.001083	0.001083	97755.5	105.8	44.88
32	0.001045	0.001044	97649.6	102.0	43.93
33	0.001086	0.001085	97547.7	105.8	42.98
34	0.001137	0.001136	97441.8	110.7	42.02
35	0.001144	0.001143	97331.2	111.3	41.07
36	0.001195	0.001194	97219.9	116.1	40.12
37	0.001307	0.001306	97103.8	126.9	39.16
38	0.001404	0.001403	96976.9	136.0	38.21
39	0.001588	0.001587	96840.9	153.7	37.27
40	0.001712	0.001710	96687.2	165.4	36.33
41	0.001860	0.001858	96521.8	179.3	35.39
42	0.002005	0.002003	96342.5	193.0	34.45
43	0.002266	0.002263	96149.5	217.6	33.52
44	0.002351	0.002348	95931.8	225.2	32.59
45	0.002634	0.002631	95706.6	251.8	31.67
46	0.002780	0.002776	95454.8	265.0	30.75
47	0.003040	0.003035	95189.8	288.9	29.84
48	0.003284	0.003278	94900.9	311.1	28.93
49	0.003729	0.003722	94589.8	352.0	28.02

National life table

age	mx
0	0.005359
1	0.000433
2	0.000256
3	0.000171
4	0.000130
5	0.000127
6	0.000126
7	0.000108
8	0.000094
9	0.000108
10	0.000125
11	0.000101
12	0.000115
13	0.000151
14	0.000181
15	0.000231
16	0.000239
17	0.000281
18	0.000309
19	0.000315
20	0.000294
21	0.000334
22	0.000304
23	0.000297
24	0.000325
25	0.000336
26	0.000339
27	0.000395
28	0.000368
29	0.000414
30	0.000433
31	0.000453
32	0.000529
33	0.000573
34	0.000611
35	0.000694
36	0.000738
37	0.000772
38	0.000884
39	0.000958
40	0.001025
41	0.001142
42	0.001268
43	0.001444
44	0.001583
45	0.001714
46	0.001834
47	0.002068
48	0.002214
49	0.002384

50	0.004057	0.004049	94237.7	381.6	27.12	50	0.002771
51	0.004506	0.004496	93856.1	422.0	26.23	51	0.003149
52	0.005101	0.005088	93434.2	475.4	25.35	52	0.003397
53	0.005800	0.005783	92958.7	537.6	24.47	53	0.003630
54	0.006419	0.006398	92421.1	591.3	23.61	54	0.003950
55	0.007075	0.007050	91829.8	647.4	22.76	55	0.004460
56	0.007988	0.007957	91182.4	725.5	21.92	56	0.004768
57	0.008718	0.008680	90456.9	785.2	21.09	57	0.005329
58	0.009649	0.009603	89671.7	861.1	20.27	58	0.005944
59	0.010659	0.010603	88810.6	941.6	19.46	59	0.006414
60	0.012176	0.012102	87869.0	1063.4	18.67	60	0.007179
61	0.013310	0.013222	86805.6	1147.8	17.89	61	0.007903
62	0.014919	0.014809	85657.8	1268.5	17.12	62	0.008871
63	0.016615	0.016478	84389.3	1390.6	16.37	63	0.009583
64	0.018780	0.018606	82998.7	1544.2	15.64	64	0.010687
65	0.020986	0.020768	81454.5	1691.7	14.93	65	0.012403
66	0.023241	0.022974	79762.8	1832.5	14.23	66	0.013500
67	0.026163	0.025825	77930.3	2012.5	13.55	67	0.014901
68	0.029002	0.028588	75917.8	2170.3	12.90	68	0.017065
69	0.032374	0.031858	73747.5	2349.5	12.27	69	0.018761
70	0.035921	0.035287	71398.0	2519.4	11.65	70	0.021126
71	0.039537	0.038771	68878.6	2670.5	11.06	71	0.023311
72	0.044097	0.043146	66208.1	2856.6	10.49	72	0.026090
73	0.048324	0.047184	63351.5	2989.2	9.94	73	0.028941
74	0.053834	0.052423	60362.4	3164.4	9.40	74	0.031411
75	0.057816	0.056192	57198.0	3214.1	8.90	75	0.034435
76	0.063950	0.061968	53983.9	3345.3	8.40	76	0.038149
77	0.069118	0.066809	50638.6	3383.1	7.92	77	0.042226
78	0.077748	0.074839	47255.5	3536.5	7.45	78	0.047614
79	0.086309	0.082738	43718.9	3617.2	7.01	79	0.053018
80	0.094672	0.090393	40101.7	3624.9	6.60	80	0.059098
81	0.103058	0.098008	36476.8	3575.0	6.21	81	0.065743
82	0.114018	0.107868	32901.8	3549.1	5.83	82	0.073598
83	0.125312	0.117924	29352.7	3461.4	5.47	83	0.082130
84	0.136075	0.127406	25891.4	3298.7	5.13	84	0.091669
85	0.150771	0.140202	22592.6	3167.5	4.81	85	0.102100
86	0.164560	0.152049	19425.1	2953.6	4.51	86	0.114942
87	0.180828	0.165834	16471.5	2731.5	4.23	87	0.126359
88	0.196150	0.178631	13740.0	2454.4	3.97	88	0.142031
89	0.215146	0.194250	11285.6	2192.2	3.73	89	0.158240
90	0.224960	0.202215	9093.4	1838.8	3.51	90	0.174045
91	0.244826	0.218124	7254.6	1582.4	3.27	91	0.193667
92	0.276396	0.242836	5672.2	1377.4	3.04	92	0.211733
93	0.296788	0.258437	4294.8	1109.9	2.86	93	0.233953
94	0.322121	0.277437	3184.8	883.6	2.68	94	0.262298
95	0.347385	0.295976	2301.2	681.1	2.52	95	0.287617
96	0.377930	0.317865	1620.1	515.0	2.37	96	0.314825
97	0.409473	0.339886	1105.1	375.6	2.24	97	0.335920
98	0.401575	0.334426	729.5	244.0	2.14	98	0.355636
99	0.454313	0.370216	485.6	179.8	1.96	99	0.403317
100	0.48458	0.39007	305.8	119.3	1.82	100	0.43297

ears 1995-1997

s, Females

qx	lx	dx	ex
0.005345	100000.0	534.5	79.58
0.000433	99465.5	43.1	79.00
0.000256	99422.4	25.4	78.04
0.000171	99397.0	17.0	77.06
0.000130	99380.0	12.9	76.07
0.000127	99367.1	12.6	75.08
0.000126	99354.5	12.5	74.09
0.000108	99342.0	10.7	73.10
0.000094	99331.3	9.3	72.11
0.000108	99322.0	10.7	71.11
0.000125	99311.3	12.4	70.12
0.000101	99298.9	10.1	69.13
0.000115	99288.8	11.4	68.14
0.000151	99277.4	15.0	67.15
0.000181	99262.4	18.0	66.16
0.000231	99244.4	22.9	65.17
0.000239	99221.5	23.7	64.18
0.000281	99197.8	27.9	63.20
0.000309	99169.9	30.6	62.22
0.000315	99139.2	31.2	61.23
0.000293	99108.0	29.1	60.25
0.000333	99078.9	33.0	59.27
0.000304	99045.9	30.1	58.29
0.000297	99015.7	29.4	57.31
0.000325	98986.4	32.2	56.32
0.000336	98954.2	33.3	55.34
0.000339	98920.9	33.5	54.36
0.000395	98887.4	39.0	53.38
0.000368	98848.4	36.3	52.40
0.000414	98812.1	40.9	51.42
0.000433	98771.2	42.7	50.44
0.000453	98728.5	44.7	49.46
0.000529	98683.7	52.2	48.48
0.000573	98631.5	56.5	47.51
0.000611	98575.0	60.2	46.54
0.000694	98514.8	68.4	45.57
0.000737	98446.5	72.6	44.60
0.000772	98373.8	75.9	43.63
0.000884	98297.9	86.9	42.66
0.000958	98211.0	94.1	41.70
0.001025	98117.0	100.5	40.74
0.001141	98016.5	111.9	39.78
0.001267	97904.6	124.1	38.83
0.001443	97780.5	141.1	37.87
0.001582	97639.4	154.4	36.93
0.001712	97484.9	166.9	35.99
0.001832	97318.0	178.3	35.05
0.002066	97139.8	200.7	34.11
0.002212	96939.1	214.4	33.18
0.002382	96724.7	230.4	32.25

0.002767	96494.4	267.0	31.33
0.003144	96227.4	302.5	30.41
0.003391	95924.8	325.3	29.51
0.003623	95599.5	346.4	28.61
0.003943	95253.2	375.5	27.71
0.004450	94877.6	422.2	26.82
0.004757	94455.4	449.3	25.93
0.005315	94006.1	499.6	25.06
0.005927	93506.5	554.2	24.19
0.006394	92952.4	594.3	23.33
0.007153	92358.0	660.6	22.47
0.007872	91697.4	721.8	21.63
0.008832	90975.6	803.5	20.80
0.009537	90172.1	860.0	19.98
0.010630	89312.1	949.4	19.17
0.012326	88362.8	1089.2	18.37
0.013409	87273.6	1170.3	17.59
0.014791	86103.3	1273.6	16.83
0.016921	84829.8	1435.4	16.07
0.018587	83394.4	1550.0	15.34
0.020905	81844.3	1710.9	14.62
0.023043	80133.4	1846.5	13.92
0.025754	78286.9	2016.2	13.24
0.028528	76270.7	2175.9	12.57
0.030926	74094.8	2291.4	11.93
0.033852	71803.4	2430.7	11.29
0.037435	69372.7	2597.0	10.67
0.041353	66775.7	2761.4	10.07
0.046507	64014.3	2977.1	9.48
0.051648	61037.2	3152.5	8.92
0.057402	57884.7	3322.7	8.38
0.063650	54562.0	3472.9	7.86
0.070986	51089.1	3626.6	7.36
0.078890	47462.5	3744.3	6.88
0.087651	43718.2	3832.0	6.43
0.097141	39886.2	3874.6	6.00
0.108695	36011.6	3914.3	5.59
0.118850	32097.3	3814.8	5.21
0.132614	28282.6	3750.7	4.84
0.146638	24531.9	3597.3	4.51
0.160112	20934.6	3351.9	4.19
0.176569	17582.7	3104.6	3.90
0.191463	14478.2	2772.0	3.63
0.209452	11706.1	2451.9	3.37
0.231886	9254.2	2145.9	3.13
0.251456	7108.3	1787.4	2.92
0.272008	5320.9	1447.3	2.73
0.287612	3873.6	1114.1	2.56
0.301945	2759.5	833.2	2.40
0.335634	1926.3	646.5	2.22
0.35592	1279.7	455.5	2.09

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006906	0.006883	100000.0	688.3	74.35
1	0.000500	0.000500	99311.7	49.7	73.86
2	0.000305	0.000305	99262.1	30.3	72.90
3	0.000228	0.000228	99231.8	22.6	71.92
4	0.000196	0.000196	99209.2	19.5	70.93
5	0.000146	0.000146	99189.7	14.5	69.95
6	0.000154	0.000154	99175.2	15.2	68.96
7	0.000139	0.000139	99160.0	13.8	67.97
8	0.000160	0.000160	99146.2	15.9	66.98
9	0.000164	0.000164	99130.4	16.3	65.99
10	0.000145	0.000145	99114.1	14.3	65.00
11	0.000161	0.000161	99099.7	15.9	64.01
12	0.000196	0.000196	99083.8	19.4	63.02
13	0.000203	0.000203	99064.4	20.1	62.03
14	0.000272	0.000272	99044.3	26.9	61.04
15	0.000310	0.000310	99017.3	30.7	60.06
16	0.000380	0.000380	98986.6	37.6	59.08
17	0.000635	0.000635	98949.1	62.8	58.10
18	0.000760	0.000760	98886.2	75.1	57.14
19	0.000782	0.000782	98811.1	77.3	56.18
20	0.000853	0.000853	98733.8	84.2	55.22
21	0.000881	0.000881	98649.6	86.9	54.27
22	0.000841	0.000841	98562.7	82.9	53.32
23	0.000845	0.000845	98479.8	83.2	52.36
24	0.000855	0.000855	98396.6	84.1	51.41
25	0.000870	0.000870	98312.5	85.5	50.45
26	0.000880	0.000880	98227.0	86.4	49.49
27	0.000890	0.000890	98140.6	87.3	48.54
28	0.000958	0.000958	98053.3	93.9	47.58
29	0.000944	0.000943	97959.4	92.4	46.63
30	0.000977	0.000977	97867.1	95.6	45.67
31	0.001096	0.001095	97771.5	107.1	44.71
32	0.001058	0.001058	97664.4	103.3	43.76
33	0.001123	0.001122	97561.1	109.5	42.81
34	0.001159	0.001158	97451.6	112.9	41.85
35	0.001186	0.001185	97338.7	115.4	40.90
36	0.001274	0.001273	97223.4	123.8	39.95
37	0.001314	0.001313	97099.6	127.5	39.00
38	0.001413	0.001412	96972.1	136.9	38.05
39	0.001608	0.001607	96835.2	155.6	37.10
40	0.001718	0.001716	96679.6	165.9	36.16
41	0.001881	0.001879	96513.6	181.3	35.23
42	0.001996	0.001994	96332.3	192.1	34.29
43	0.002256	0.002253	96140.2	216.6	33.36
44	0.002377	0.002374	95923.6	227.8	32.43
45	0.002596	0.002593	95695.8	248.1	31.51
46	0.002778	0.002774	95447.7	264.8	30.59
47	0.002929	0.002925	95182.9	278.4	29.67
48	0.003265	0.003260	94904.5	309.4	28.76
49	0.003806	0.003799	94595.1	359.4	27.85

National life table

age	mx
0	0.005394
1	0.000467
2	0.000272
3	0.000173
4	0.000135
5	0.000140
6	0.000135
7	0.000101
8	0.000095
9	0.000112
10	0.000114
11	0.000105
12	0.000119
13	0.000153
14	0.000191
15	0.000201
16	0.000233
17	0.000271
18	0.000291
19	0.000318
20	0.000279
21	0.000322
22	0.000303
23	0.000299
24	0.000304
25	0.000323
26	0.000347
27	0.000416
28	0.000372
29	0.000405
30	0.000447
31	0.000438
32	0.000559
33	0.000599
34	0.000611
35	0.000691
36	0.000731
37	0.000766
38	0.000884
39	0.000960
40	0.001077
41	0.001193
42	0.001289
43	0.001449
44	0.001580
45	0.001763
46	0.001892
47	0.002034
48	0.002210
49	0.002448

50	0.004166	0.004157	94235.8	391.8	26.95	50	0.002871
51	0.004538	0.004528	93844.0	424.9	26.07	51	0.003101
52	0.005270	0.005256	93419.1	491.0	25.18	52	0.003372
53	0.005910	0.005893	92928.1	547.6	24.31	53	0.003808
54	0.006480	0.006459	92380.5	596.7	23.45	54	0.003995
55	0.007226	0.007200	91783.8	660.8	22.60	55	0.004471
56	0.007963	0.007932	91123.0	722.8	21.76	56	0.004775
57	0.008861	0.008822	90400.2	797.5	20.93	57	0.005373
58	0.009747	0.009700	89602.7	869.1	20.11	58	0.005867
59	0.010987	0.010927	88733.6	969.6	19.31	59	0.006535
60	0.012398	0.012322	87764.0	1081.4	18.51	60	0.007195
61	0.013729	0.013635	86682.6	1181.9	17.74	61	0.007996
62	0.015361	0.015244	85500.7	1303.3	16.98	62	0.008990
63	0.017156	0.017010	84197.3	1432.2	16.23	63	0.009868
64	0.019377	0.019191	82765.1	1588.4	15.50	64	0.010989
65	0.021761	0.021527	81176.7	1747.5	14.80	65	0.012638
66	0.024206	0.023916	79429.2	1899.7	14.11	66	0.013860
67	0.026997	0.026637	77529.6	2065.2	13.45	67	0.015371
68	0.029793	0.029355	75464.4	2215.3	12.80	68	0.017414
69	0.033046	0.032509	73249.1	2381.3	12.17	69	0.019166
70	0.036993	0.036322	70867.8	2574.0	11.56	70	0.021470
71	0.040466	0.039663	68293.8	2708.8	10.98	71	0.023497
72	0.044694	0.043718	65585.0	2867.2	10.41	72	0.026099
73	0.049824	0.048613	62717.8	3048.9	9.87	73	0.028893
74	0.053588	0.052189	59668.9	3114.1	9.35	74	0.031370
75	0.058923	0.057237	56554.8	3237.0	8.83	75	0.034515
76	0.064855	0.062818	53317.8	3349.3	8.34	76	0.038391
77	0.071120	0.068678	49968.5	3431.7	7.87	77	0.042745
78	0.079610	0.076563	46536.8	3563.0	7.41	78	0.047759
79	0.086919	0.083299	42973.8	3579.7	6.98	79	0.052696
80	0.096151	0.091741	39394.1	3614.0	6.57	80	0.059215
81	0.104296	0.099127	35780.0	3546.8	6.18	81	0.065819
82	0.115168	0.108897	32233.3	3510.1	5.81	82	0.073469
83	0.126581	0.119047	28723.2	3419.4	5.46	83	0.082224
84	0.138680	0.129687	25303.8	3281.6	5.13	84	0.091903
85	0.151061	0.140453	22022.2	3093.1	4.82	85	0.102116
86	0.164149	0.151698	18929.1	2871.5	4.52	86	0.114221
87	0.179905	0.165058	16057.6	2650.4	4.24	87	0.126133
88	0.197014	0.179347	13407.2	2404.5	3.98	88	0.141719
89	0.213426	0.192846	11002.6	2121.8	3.74	89	0.155636
90	0.226445	0.203414	8880.8	1806.5	3.52	90	0.173421
91	0.241880	0.215783	7074.3	1526.5	3.29	91	0.190963
92	0.274404	0.241297	5547.8	1338.7	3.05	92	0.208586
93	0.296181	0.257977	4209.1	1085.9	2.87	93	0.230655
94	0.316399	0.273182	3123.3	853.2	2.69	94	0.259049
95	0.348654	0.296897	2270.1	674.0	2.51	95	0.283284
96	0.376453	0.316820	1596.1	505.7	2.36	96	0.311778
97	0.420245	0.347275	1090.4	378.7	2.23	97	0.334710
98	0.401319	0.334249	711.7	237.9	2.15	98	0.359321
99	0.451641	0.368440	473.8	174.6	1.97	99	0.387924
100	0.48382	0.38958	299.3	116.6	1.83	100	0.41528

ears 1994-1996

s, Females

qx	lx	dx	ex
0.005380	100000.0	538.0	79.51
0.000467	99462.0	46.5	78.94
0.000272	99415.6	27.0	77.98
0.000173	99388.5	17.2	77.00
0.000135	99371.3	13.4	76.02
0.000140	99357.9	13.9	75.03
0.000135	99344.0	13.4	74.04
0.000101	99330.6	10.1	73.05
0.000095	99320.5	9.4	72.05
0.000112	99311.1	11.1	71.06
0.000114	99300.0	11.3	70.07
0.000105	99288.7	10.4	69.08
0.000119	99278.3	11.8	68.08
0.000153	99266.4	15.2	67.09
0.000191	99251.3	19.0	66.10
0.000201	99232.3	19.9	65.11
0.000233	99212.4	23.1	64.13
0.000270	99189.3	26.8	63.14
0.000291	99162.5	28.9	62.16
0.000318	99133.7	31.5	61.18
0.000279	99102.1	27.6	60.20
0.000322	99074.5	31.9	59.21
0.000303	99042.6	30.0	58.23
0.000299	99012.5	29.6	57.25
0.000304	98982.9	30.1	56.27
0.000323	98952.8	32.0	55.28
0.000347	98920.8	34.3	54.30
0.000416	98886.5	41.1	53.32
0.000372	98845.4	36.8	52.34
0.000405	98808.5	40.1	51.36
0.000446	98768.5	44.1	50.38
0.000438	98724.4	43.3	49.40
0.000559	98681.1	55.2	48.42
0.000599	98625.9	59.1	47.45
0.000611	98566.9	60.2	46.48
0.000691	98506.7	68.1	45.51
0.000731	98438.6	71.9	44.54
0.000766	98366.7	75.3	43.57
0.000884	98291.4	86.9	42.60
0.000959	98204.5	94.2	41.64
0.001076	98110.3	105.6	40.68
0.001192	98004.7	116.9	39.72
0.001288	97887.8	126.1	38.77
0.001448	97761.7	141.6	37.82
0.001579	97620.2	154.1	36.87
0.001761	97466.0	171.7	35.93
0.001890	97294.4	183.9	34.99
0.002032	97110.5	197.3	34.06
0.002207	96913.1	213.9	33.13
0.002445	96699.2	236.4	32.20

0.002867	96462.8	276.5	31.28
0.003096	96186.3	297.8	30.37
0.003366	95888.4	322.8	29.46
0.003801	95565.7	363.2	28.56
0.003987	95202.4	379.6	27.66
0.004461	94822.8	423.0	26.77
0.004764	94399.8	449.7	25.89
0.005358	93950.1	503.4	25.01
0.005850	93446.7	546.7	24.14
0.006514	92900.0	605.1	23.28
0.007169	92294.9	661.6	22.43
0.007964	91633.2	729.8	21.59
0.008950	90903.4	813.6	20.76
0.009819	90089.9	884.6	19.94
0.010929	89205.2	974.9	19.14
0.012559	88230.3	1108.1	18.34
0.013765	87122.2	1199.2	17.57
0.015254	85923.0	1310.7	16.81
0.017263	84612.3	1460.7	16.06
0.018984	83151.6	1578.6	15.33
0.021242	81573.1	1732.8	14.62
0.023224	79840.3	1854.2	13.93
0.025763	77986.1	2009.1	13.25
0.028481	75976.9	2163.9	12.58
0.030885	73813.0	2279.7	11.94
0.033929	71533.3	2427.1	11.30
0.037668	69106.2	2603.1	10.68
0.041851	66503.1	2783.2	10.08
0.046645	63719.9	2972.2	9.50
0.051343	60747.7	3119.0	8.94
0.057512	57628.7	3314.3	8.40
0.063722	54314.4	3461.0	7.88
0.070866	50853.4	3603.8	7.38
0.078977	47249.6	3731.6	6.90
0.087866	43518.0	3823.7	6.45
0.097155	39694.2	3856.5	6.03
0.108050	35837.7	3872.3	5.62
0.118650	31965.5	3792.7	5.24
0.132342	28172.7	3728.4	4.88
0.144399	24444.3	3529.7	4.55
0.159583	20914.6	3337.6	4.23
0.174319	17577.0	3064.0	3.94
0.188886	14513.0	2741.3	3.66
0.206805	11771.7	2434.4	3.40
0.229344	9337.2	2141.4	3.16
0.248138	7195.8	1785.5	2.95
0.269730	5410.2	1459.3	2.76
0.286725	3950.9	1132.8	2.59
0.304597	2818.1	858.4	2.43
0.324905	1959.7	636.7	2.28
0.34387	1323	454.9	2.14

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.006941	0.006917	100000.0	691.7	74.10
1	0.000518	0.000518	99308.3	51.4	73.61
2	0.000326	0.000326	99256.8	32.3	72.65
3	0.000240	0.000240	99224.5	23.9	71.67
4	0.000199	0.000199	99200.7	19.7	70.69
5	0.000152	0.000152	99181.0	15.1	69.70
6	0.000170	0.000170	99165.9	16.8	68.71
7	0.000150	0.000150	99149.1	14.8	67.73
8	0.000173	0.000173	99134.2	17.1	66.74
9	0.000156	0.000156	99117.1	15.4	65.75
10	0.000161	0.000161	99101.6	15.9	64.76
11	0.000169	0.000169	99085.7	16.7	63.77
12	0.000208	0.000208	99069.0	20.6	62.78
13	0.000206	0.000206	99048.4	20.4	61.79
14	0.000273	0.000273	99028.0	27.1	60.80
15	0.000314	0.000314	99000.9	31.1	59.82
16	0.000375	0.000375	98969.8	37.1	58.84
17	0.000648	0.000648	98932.7	64.1	57.86
18	0.000756	0.000755	98868.6	74.7	56.90
19	0.000789	0.000788	98793.9	77.9	55.94
20	0.000888	0.000888	98716.1	87.6	54.99
21	0.000882	0.000882	98628.4	87.0	54.03
22	0.000844	0.000844	98541.5	83.2	53.08
23	0.000837	0.000837	98458.3	82.4	52.13
24	0.000846	0.000846	98375.9	83.2	51.17
25	0.000846	0.000846	98292.7	83.1	50.21
26	0.000889	0.000888	98209.5	87.2	49.25
27	0.000915	0.000915	98122.3	89.8	48.30
28	0.000912	0.000912	98032.5	89.4	47.34
29	0.000953	0.000952	97943.1	93.2	46.38
30	0.000943	0.000943	97849.9	92.3	45.43
31	0.001082	0.001081	97757.6	105.7	44.47
32	0.001000	0.000999	97651.9	97.6	43.52
33	0.001150	0.001149	97554.3	112.1	42.56
34	0.001156	0.001156	97442.2	112.6	41.61
35	0.001184	0.001184	97329.6	115.2	40.66
36	0.001295	0.001294	97214.4	125.8	39.70
37	0.001313	0.001312	97088.6	127.4	38.75
38	0.001486	0.001485	96961.2	144.0	37.80
39	0.001576	0.001574	96817.2	152.4	36.86
40	0.001705	0.001703	96664.8	164.7	35.92
41	0.001891	0.001889	96500.1	182.3	34.98
42	0.001998	0.001996	96317.8	192.2	34.04
43	0.002201	0.002199	96125.6	211.3	33.11
44	0.002365	0.002362	95914.3	226.5	32.18
45	0.002517	0.002514	95687.8	240.5	31.26
46	0.002710	0.002706	95447.2	258.3	30.33
47	0.002991	0.002986	95188.9	284.3	29.42
48	0.003389	0.003384	94904.6	321.1	28.50
49	0.003877	0.003870	94583.5	366.0	27.60

National life table

age	mx
0	0.005477
1	0.000472
2	0.000265
3	0.000196
4	0.000145
5	0.000147
6	0.000132
7	0.000112
8	0.000096
9	0.000103
10	0.000132
11	0.000112
12	0.000134
13	0.000169
14	0.000193
15	0.000200
16	0.000245
17	0.000275
18	0.000271
19	0.000305
20	0.000293
21	0.000309
22	0.000306
23	0.000285
24	0.000324
25	0.000307
26	0.000351
27	0.000431
28	0.000370
29	0.000395
30	0.000448
31	0.000460
32	0.000550
33	0.000576
34	0.000598
35	0.000667
36	0.000712
37	0.000776
38	0.000836
39	0.000962
40	0.001080
41	0.001237
42	0.001303
43	0.001443
44	0.001592
45	0.001788
46	0.001892
47	0.002071
48	0.002255
49	0.002516

50	0.004329	0.004320	94217.5	407.0	26.70	50	0.002886
51	0.004733	0.004722	93810.5	443.0	25.82	51	0.003119
52	0.005432	0.005417	93367.5	505.8	24.94	52	0.003485
53	0.006164	0.006145	92861.7	570.6	24.07	53	0.003882
54	0.006603	0.006581	92291.1	607.4	23.22	54	0.004108
55	0.007286	0.007260	91683.7	665.6	22.37	55	0.004495
56	0.008082	0.008049	91018.1	732.6	21.53	56	0.004876
57	0.009328	0.009284	90285.5	838.2	20.70	57	0.005442
58	0.010053	0.010002	89447.3	894.7	19.89	58	0.005982
59	0.011321	0.011257	88552.6	996.8	19.08	59	0.006776
60	0.012789	0.012708	87555.8	1112.6	18.29	60	0.007495
61	0.014223	0.014122	86443.2	1220.8	17.52	61	0.008428
62	0.015920	0.015795	85222.4	1346.0	16.77	62	0.009344
63	0.017669	0.017514	83876.3	1469.0	16.03	63	0.010373
64	0.020245	0.020042	82407.3	1651.6	15.30	64	0.011287
65	0.022644	0.022391	80755.7	1808.2	14.61	65	0.013185
66	0.025306	0.024990	78947.5	1972.9	13.93	66	0.014572
67	0.028357	0.027961	76974.5	2152.3	13.27	67	0.015862
68	0.030690	0.030226	74822.3	2261.6	12.64	68	0.017693
69	0.034139	0.033566	72560.7	2435.5	12.02	69	0.019458
70	0.037801	0.037100	70125.1	2601.6	11.42	70	0.021858
71	0.041925	0.041064	67523.5	2772.8	10.84	71	0.024025
72	0.045826	0.044800	64750.7	2900.8	10.28	72	0.026474
73	0.050297	0.049063	61849.9	3034.5	9.74	73	0.029015
74	0.055009	0.053536	58815.4	3148.7	9.22	74	0.032023
75	0.060237	0.058476	55666.6	3255.2	8.71	75	0.035064
76	0.067545	0.065338	52411.5	3424.5	8.22	76	0.039554
77	0.073329	0.070735	48987.0	3465.1	7.76	77	0.043671
78	0.081408	0.078224	45521.9	3560.9	7.31	78	0.047995
79	0.089407	0.085581	41961.0	3591.1	6.89	79	0.053174
80	0.097471	0.092941	38369.9	3566.1	6.49	80	0.060073
81	0.106404	0.101029	34803.8	3516.2	6.10	81	0.066795
82	0.117574	0.111046	31287.6	3474.3	5.73	82	0.074788
83	0.129046	0.121224	27813.2	3371.6	5.39	83	0.083327
84	0.142360	0.132900	24441.6	3248.3	5.06	84	0.093112
85	0.153640	0.142680	21193.3	3023.9	4.76	85	0.103278
86	0.167729	0.154751	18169.4	2811.7	4.47	86	0.114839
87	0.183006	0.167665	15357.7	2574.9	4.20	87	0.128381
88	0.200321	0.182084	12782.8	2327.5	3.94	88	0.143562
89	0.214927	0.194071	10455.2	2029.1	3.71	89	0.158494
90	0.232383	0.208193	8426.2	1754.3	3.48	90	0.175423
91	0.244278	0.217690	6671.9	1452.4	3.27	91	0.191325
92	0.276213	0.242695	5219.5	1266.7	3.04	92	0.212090
93	0.298817	0.259975	3952.7	1027.6	2.85	93	0.236009
94	0.320080	0.275922	2925.1	807.1	2.68	94	0.262466
95	0.351222	0.298757	2118.0	632.8	2.51	95	0.282632
96	0.374017	0.315092	1485.3	468.0	2.37	96	0.316904
97	0.427559	0.352254	1017.3	358.3	2.23	97	0.339832
98	0.408735	0.339377	658.9	223.6	2.17	98	0.365903
99	0.457612	0.372404	435.3	162.1	2.02	99	0.391195
100	0.45840	0.37292	273.2	101.9	1.93	100	0.416

ears 1993-1995

s, Females

qx	lx	dx	ex
0.005462	100000.0	546.2	79.33
0.000472	99453.8	46.9	78.76
0.000265	99406.8	26.3	77.80
0.000196	99380.5	19.4	76.82
0.000145	99361.0	14.4	75.84
0.000147	99346.6	14.6	74.85
0.000132	99332.0	13.1	73.86
0.000112	99318.9	11.1	72.87
0.000096	99307.7	9.6	71.88
0.000103	99298.2	10.2	70.88
0.000132	99288.0	13.2	69.89
0.000112	99274.8	11.2	68.90
0.000134	99263.7	13.3	67.91
0.000169	99250.4	16.7	66.92
0.000193	99233.7	19.2	65.93
0.000200	99214.5	19.9	64.94
0.000245	99194.6	24.3	63.95
0.000275	99170.3	27.3	62.97
0.000271	99143.0	26.9	61.99
0.000305	99116.2	30.2	61.00
0.000293	99086.0	29.0	60.02
0.000309	99057.0	30.6	59.04
0.000306	99026.4	30.3	58.06
0.000285	98996.1	28.2	57.07
0.000324	98967.9	32.1	56.09
0.000307	98935.8	30.4	55.11
0.000351	98905.4	34.7	54.13
0.000431	98870.7	42.6	53.14
0.000370	98828.1	36.5	52.17
0.000395	98791.5	39.0	51.19
0.000448	98752.6	44.3	50.21
0.000460	98708.3	45.4	49.23
0.000550	98662.8	54.3	48.25
0.000576	98608.6	56.8	47.28
0.000598	98551.8	58.9	46.30
0.000666	98492.8	65.6	45.33
0.000712	98427.2	70.1	44.36
0.000776	98357.1	76.3	43.39
0.000835	98280.8	82.1	42.43
0.000961	98198.7	94.4	41.46
0.001080	98104.3	105.9	40.50
0.001236	97998.3	121.2	39.54
0.001302	97877.2	127.4	38.59
0.001442	97749.8	140.9	37.64
0.001590	97608.8	155.2	36.69
0.001787	97453.6	174.1	35.75
0.001890	97279.5	183.9	34.82
0.002069	97095.6	200.8	33.88
0.002253	96894.7	218.3	32.95
0.002513	96676.4	243.0	32.02

0.002882	96433.5	277.9	31.10
0.003114	96155.5	299.5	30.19
0.003479	95856.1	333.5	29.28
0.003874	95522.6	370.1	28.38
0.004100	95152.5	390.1	27.49
0.004485	94762.4	425.0	26.60
0.004864	94337.4	458.9	25.72
0.005427	93878.5	509.5	24.84
0.005965	93369.0	556.9	23.98
0.006753	92812.1	626.7	23.12
0.007467	92185.4	688.3	22.27
0.008393	91497.0	767.9	21.44
0.009301	90729.1	843.8	20.61
0.010319	89885.3	927.6	19.80
0.011223	88957.7	998.4	19.00
0.013099	87959.3	1152.2	18.21
0.014467	86807.2	1255.8	17.45
0.015738	85551.3	1346.4	16.70
0.017538	84205.0	1476.8	15.96
0.019270	82728.2	1594.2	15.23
0.021621	81134.0	1754.2	14.52
0.023740	79379.8	1884.5	13.83
0.026128	77495.3	2024.8	13.16
0.028600	75470.5	2158.5	12.50
0.031518	73312.1	2310.6	11.85
0.034460	71001.4	2446.7	11.22
0.038787	68554.7	2659.1	10.60
0.042738	65895.6	2816.2	10.01
0.046870	63079.4	2956.5	9.43
0.051797	60122.9	3114.2	8.87
0.058321	57008.7	3324.8	8.33
0.064636	53683.9	3469.9	7.81
0.072092	50214.0	3620.0	7.32
0.079994	46594.0	3727.3	6.85
0.088970	42866.7	3813.8	6.40
0.098207	39052.9	3835.3	5.98
0.108603	35217.6	3824.7	5.57
0.120637	31392.9	3787.2	5.19
0.133947	27605.7	3697.7	4.84
0.146856	23908.0	3511.0	4.51
0.161277	20397.0	3289.6	4.20
0.174621	17107.4	2987.3	3.91
0.191755	14120.1	2707.6	3.63
0.211098	11412.5	2409.2	3.37
0.232018	9003.3	2088.9	3.14
0.247637	6914.4	1712.3	2.93
0.273558	5202.1	1423.1	2.73
0.290476	3779.1	1097.7	2.57
0.309313	2681.3	829.4	2.42
0.327196	1852.0	606.0	2.28
0.34437	1246	429.1	2.15

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.007125	0.007099	100000.0	709.9	73.93
1	0.000545	0.000545	99290.1	54.1	73.46
2	0.000339	0.000339	99235.9	33.6	72.49
3	0.000242	0.000242	99202.3	24.0	71.52
4	0.000228	0.000228	99178.3	22.6	70.54
5	0.000167	0.000167	99155.7	16.5	69.55
6	0.000169	0.000169	99139.2	16.8	68.56
7	0.000172	0.000172	99122.4	17.0	67.58
8	0.000173	0.000173	99105.3	17.1	66.59
9	0.000149	0.000149	99088.2	14.8	65.60
10	0.000151	0.000151	99073.4	15.0	64.61
11	0.000172	0.000172	99058.4	17.0	63.62
12	0.000221	0.000221	99041.4	21.9	62.63
13	0.000203	0.000203	99019.5	20.1	61.64
14	0.000274	0.000274	98999.4	27.1	60.65
15	0.000340	0.000340	98972.3	33.7	59.67
16	0.000412	0.000412	98938.6	40.8	58.69
17	0.000656	0.000655	98897.8	64.8	57.72
18	0.000739	0.000738	98833.0	73.0	56.75
19	0.000780	0.000779	98760.0	77.0	55.79
20	0.000847	0.000847	98683.1	83.5	54.84
21	0.000833	0.000832	98599.5	82.1	53.88
22	0.000861	0.000861	98517.5	84.8	52.93
23	0.000813	0.000812	98432.7	80.0	51.97
24	0.000851	0.000850	98352.7	83.6	51.02
25	0.000813	0.000812	98269.1	79.8	50.06
26	0.000869	0.000869	98189.3	85.3	49.10
27	0.000882	0.000882	98103.9	86.5	48.14
28	0.000895	0.000894	98017.4	87.7	47.18
29	0.000914	0.000914	97929.8	89.5	46.22
30	0.000941	0.000941	97840.3	92.0	45.27
31	0.001061	0.001060	97748.3	103.6	44.31
32	0.000980	0.000980	97644.6	95.7	43.36
33	0.001121	0.001121	97549.0	109.3	42.40
34	0.001163	0.001162	97439.7	113.2	41.44
35	0.001209	0.001209	97326.4	117.6	40.49
36	0.001283	0.001282	97208.8	124.6	39.54
37	0.001302	0.001301	97084.2	126.3	38.59
38	0.001549	0.001548	96957.9	150.1	37.64
39	0.001626	0.001625	96807.8	157.3	36.70
40	0.001705	0.001704	96650.5	164.7	35.76
41	0.001890	0.001888	96485.9	182.2	34.82
42	0.001960	0.001958	96303.7	188.6	33.88
43	0.002140	0.002138	96115.1	205.5	32.95
44	0.002383	0.002380	95909.6	228.3	32.02
45	0.002461	0.002458	95681.3	235.2	31.09
46	0.002730	0.002726	95446.1	260.2	30.17
47	0.003115	0.003110	95185.9	296.0	29.25
48	0.003487	0.003481	94889.9	330.3	28.34
49	0.003883	0.003875	94559.6	366.4	27.44

National life table

age	mx
0	0.005618
1	0.000472
2	0.000280
3	0.000211
4	0.000145
5	0.000134
6	0.000138
7	0.000116
8	0.000113
9	0.000122
10	0.000126
11	0.000101
12	0.000133
13	0.000158
14	0.000201
15	0.000201
16	0.000248
17	0.000289
18	0.000281
19	0.000311
20	0.000312
21	0.000320
22	0.000307
23	0.000293
24	0.000325
25	0.000311
26	0.000354
27	0.000371
28	0.000385
29	0.000401
30	0.000427
31	0.000490
32	0.000547
33	0.000553
34	0.000596
35	0.000675
36	0.000747
37	0.000802
38	0.000830
39	0.000965
40	0.001091
41	0.001225
42	0.001349
43	0.001407
44	0.001570
45	0.001736
46	0.001943
47	0.002097
48	0.002302
49	0.002450

50	0.004351	0.004342	94193.1	409.0	26.54	50	0.002899
51	0.004927	0.004915	93784.2	460.9	25.65	51	0.003045
52	0.005661	0.005645	93323.3	526.8	24.78	52	0.003529
53	0.006275	0.006255	92796.5	580.4	23.92	53	0.003919
54	0.006619	0.006597	92216.0	608.4	23.06	54	0.004101
55	0.007494	0.007466	91607.6	683.9	22.21	55	0.004471
56	0.008217	0.008184	90923.7	744.1	21.38	56	0.004879
57	0.009555	0.009509	90179.6	857.6	20.55	57	0.005658
58	0.010433	0.010379	89322.0	927.1	19.74	58	0.006120
59	0.011734	0.011665	88394.9	1031.2	18.94	59	0.007026
60	0.013105	0.013020	87363.8	1137.5	18.16	60	0.007775
61	0.014741	0.014633	86226.3	1261.8	17.39	61	0.008766
62	0.016423	0.016289	84964.5	1384.0	16.64	62	0.009593
63	0.018312	0.018146	83580.5	1516.7	15.91	63	0.010663
64	0.020908	0.020692	82063.8	1698.0	15.20	64	0.011747
65	0.023285	0.023017	80365.8	1849.8	14.51	65	0.013473
66	0.025832	0.025502	78516.1	2002.3	13.84	66	0.014837
67	0.029094	0.028677	76513.7	2194.1	13.19	67	0.016244
68	0.031632	0.031139	74319.6	2314.3	12.56	68	0.018034
69	0.035011	0.034408	72005.3	2477.6	11.95	69	0.019768
70	0.038518	0.037790	69527.7	2627.4	11.36	70	0.022000
71	0.043002	0.042097	66900.3	2816.3	10.78	71	0.024130
72	0.045870	0.044842	64084.0	2873.7	10.23	72	0.026434
73	0.051306	0.050023	61210.3	3061.9	9.69	73	0.029258
74	0.056115	0.054584	58148.4	3174.0	9.18	74	0.032374
75	0.061802	0.059949	54974.5	3295.7	8.68	75	0.036016
76	0.067938	0.065706	51678.8	3395.6	8.20	76	0.039627
77	0.074338	0.071674	48283.2	3460.6	7.74	77	0.043789
78	0.082160	0.078918	44822.5	3537.3	7.30	78	0.048016
79	0.089249	0.085436	41285.2	3527.3	6.88	79	0.053342
80	0.098866	0.094209	37758.0	3557.1	6.48	80	0.060452
81	0.107301	0.101837	34200.8	3482.9	6.10	81	0.067225
82	0.117740	0.111194	30717.9	3415.7	5.73	82	0.075090
83	0.129220	0.121378	27302.2	3313.9	5.39	83	0.083756
84	0.142589	0.133099	23988.3	3192.8	5.06	84	0.093032
85	0.155104	0.143941	20795.5	2993.3	4.76	85	0.103405
86	0.167586	0.154629	17802.2	2752.7	4.48	86	0.115382
87	0.183166	0.167799	15049.4	2525.3	4.21	87	0.129285
88	0.199969	0.181792	12524.2	2276.8	3.95	88	0.142396
89	0.214761	0.193936	10247.4	1987.3	3.72	89	0.157037
90	0.232843	0.208562	8260.0	1722.7	3.50	90	0.174542
91	0.243947	0.217426	6537.3	1421.4	3.29	91	0.189383
92	0.273674	0.240733	5115.9	1231.6	3.06	92	0.212371
93	0.296787	0.258437	3884.3	1003.9	2.87	93	0.233878
94	0.319009	0.275125	2880.5	792.5	2.70	94	0.254374
95	0.347691	0.296198	2088.0	618.5	2.53	95	0.281904
96	0.368558	0.311209	1469.5	457.3	2.39	96	0.309596
97	0.420649	0.347551	1012.2	351.8	2.24	97	0.337098
98	0.411489	0.341274	660.4	225.4	2.16	98	0.360714
99	0.452865	0.369254	435.0	160.6	2.03	99	0.376713
100	0.47377	0.38303	274.4	105.1	1.92	100	0.40788

ears 1992-1994

s, Females

qx	lx	dx	ex
0.005602	100000.0	560.2	79.23
0.000472	99439.8	46.9	78.68
0.000280	99392.9	27.9	77.71
0.000211	99365.0	21.0	76.74
0.000145	99344.0	14.4	75.75
0.000134	99329.7	13.3	74.76
0.000138	99316.4	13.7	73.77
0.000116	99302.7	11.5	72.78
0.000113	99291.1	11.2	71.79
0.000122	99279.9	12.1	70.80
0.000126	99267.8	12.6	69.81
0.000101	99255.2	10.0	68.82
0.000133	99245.3	13.2	67.82
0.000158	99232.1	15.7	66.83
0.000201	99216.4	19.9	65.84
0.000201	99196.5	20.0	64.86
0.000248	99176.5	24.6	63.87
0.000289	99152.0	28.6	62.88
0.000281	99123.4	27.8	61.90
0.000311	99095.5	30.8	60.92
0.000312	99064.7	30.9	59.94
0.000320	99033.8	31.7	58.96
0.000307	99002.1	30.4	57.98
0.000293	98971.7	29.0	56.99
0.000325	98942.8	32.2	56.01
0.000311	98910.6	30.8	55.03
0.000354	98879.8	35.0	54.05
0.000371	98844.9	36.7	53.06
0.000385	98808.2	38.1	52.08
0.000401	98770.1	39.6	51.10
0.000427	98730.5	42.1	50.12
0.000489	98688.4	48.3	49.14
0.000547	98640.1	54.0	48.17
0.000553	98586.1	54.5	47.19
0.000596	98531.6	58.7	46.22
0.000675	98472.9	66.5	45.25
0.000747	98406.4	73.5	44.28
0.000802	98332.9	78.8	43.31
0.000829	98254.0	81.5	42.35
0.000964	98172.6	94.7	41.38
0.001090	98077.9	106.9	40.42
0.001225	97970.9	120.0	39.46
0.001348	97851.0	131.9	38.51
0.001406	97719.1	137.4	37.56
0.001569	97581.7	153.1	36.61
0.001734	97428.5	169.0	35.67
0.001941	97259.6	188.8	34.73
0.002095	97070.8	203.4	33.80
0.002300	96867.4	222.7	32.87
0.002447	96644.7	236.5	31.94

0.002895	96408.2	279.1	31.02
0.003041	96129.1	292.3	30.11
0.003522	95836.8	337.6	29.20
0.003911	95499.2	373.5	28.30
0.004092	95125.7	389.3	27.41
0.004461	94736.4	422.6	26.52
0.004867	94313.8	459.0	25.64
0.005642	93854.8	529.5	24.76
0.006101	93325.3	569.4	23.90
0.007001	92755.9	649.4	23.04
0.007745	92106.5	713.3	22.20
0.008727	91393.1	797.6	21.37
0.009547	90595.5	864.9	20.55
0.010607	89730.6	951.8	19.75
0.011678	88778.9	1036.8	18.95
0.013383	87742.1	1174.2	18.17
0.014728	86567.9	1274.9	17.41
0.016113	85292.9	1374.3	16.66
0.017873	83918.6	1499.9	15.93
0.019574	82418.8	1613.3	15.21
0.021760	80805.5	1758.4	14.50
0.023842	79047.1	1884.7	13.81
0.026090	77162.4	2013.1	13.14
0.028836	75149.3	2167.0	12.48
0.031858	72982.3	2325.1	11.83
0.035379	70657.2	2499.8	11.21
0.038857	68157.4	2648.4	10.60
0.042851	65509.0	2807.1	10.01
0.046891	62701.9	2940.1	9.43
0.051956	59761.8	3105.0	8.87
0.058679	56656.8	3324.5	8.33
0.065038	53332.2	3468.6	7.82
0.072373	49863.6	3608.8	7.33
0.080389	46254.8	3718.4	6.86
0.088897	42536.4	3781.3	6.42
0.098322	38755.1	3810.5	5.99
0.109089	34944.6	3812.1	5.59
0.121435	31132.6	3780.6	5.22
0.132931	27352.0	3635.9	4.87
0.145604	23716.0	3453.2	4.54
0.160532	20262.9	3252.8	4.23
0.173001	17010.0	2942.8	3.94
0.191985	14067.3	2700.7	3.66
0.209392	11366.6	2380.1	3.41
0.225672	8986.5	2028.0	3.18
0.247078	6958.5	1719.3	2.97
0.268096	5239.2	1404.6	2.77
0.288475	3834.6	1106.2	2.61
0.305598	2728.4	833.8	2.46
0.317004	1894.6	600.6	2.33
0.33879	1294	438.4	2.17

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.007608	0.007579	100000.0	757.9	73.59
1	0.000587	0.000587	99242.1	58.2	73.15
2	0.000358	0.000358	99183.9	35.5	72.20
3	0.000283	0.000283	99148.3	28.0	71.22
4	0.000234	0.000234	99120.3	23.2	70.24
5	0.000208	0.000208	99097.1	20.6	69.26
6	0.000180	0.000180	99076.5	17.9	68.27
7	0.000186	0.000186	99058.6	18.4	67.29
8	0.000172	0.000172	99040.2	17.0	66.30
9	0.000164	0.000163	99023.2	16.2	65.31
10	0.000182	0.000182	99007.0	18.0	64.32
11	0.000179	0.000179	98989.0	17.7	63.33
12	0.000206	0.000206	98971.3	20.4	62.34
13	0.000231	0.000231	98950.9	22.9	61.36
14	0.000282	0.000282	98928.1	27.9	60.37
15	0.000373	0.000373	98900.2	36.9	59.39
16	0.000471	0.000471	98863.3	46.5	58.41
17	0.000684	0.000683	98816.7	67.5	57.44
18	0.000835	0.000835	98749.2	82.5	56.47
19	0.000827	0.000826	98666.7	81.5	55.52
20	0.000834	0.000834	98585.2	82.2	54.57
21	0.000859	0.000859	98503.0	84.6	53.61
22	0.000870	0.000870	98418.4	85.6	52.66
23	0.000864	0.000864	98332.8	84.9	51.70
24	0.000858	0.000858	98247.9	84.3	50.75
25	0.000832	0.000832	98163.5	81.7	49.79
26	0.000864	0.000864	98081.9	84.7	48.83
27	0.000878	0.000878	97997.2	86.0	47.87
28	0.000870	0.000870	97911.2	85.1	46.91
29	0.000935	0.000934	97826.0	91.4	45.95
30	0.000938	0.000937	97734.6	91.6	45.00
31	0.001028	0.001027	97643.0	100.3	44.04
32	0.000985	0.000984	97542.7	96.0	43.08
33	0.001074	0.001073	97446.7	104.6	42.13
34	0.001136	0.001135	97342.2	110.5	41.17
35	0.001204	0.001204	97231.7	117.0	40.22
36	0.001283	0.001282	97114.7	124.5	39.26
37	0.001347	0.001346	96990.2	130.6	38.31
38	0.001580	0.001578	96859.6	152.9	37.37
39	0.001690	0.001689	96706.7	163.3	36.42
40	0.001719	0.001717	96543.4	165.8	35.48
41	0.001859	0.001857	96377.6	179.0	34.54
42	0.002021	0.002019	96198.6	194.2	33.61
43	0.002175	0.002173	96004.4	208.6	32.67
44	0.002346	0.002343	95795.8	224.5	31.74
45	0.002543	0.002539	95571.3	242.7	30.82
46	0.002938	0.002934	95328.6	279.7	29.90
47	0.003182	0.003177	95049.0	302.0	28.98
48	0.003688	0.003681	94747.0	348.8	28.07
49	0.003976	0.003968	94398.2	374.6	27.17

National life table

age	mx
0	0.005978
1	0.000497
2	0.000299
3	0.000216
4	0.000168
5	0.000145
6	0.000143
7	0.000140
8	0.000125
9	0.000132
10	0.000138
11	0.000115
12	0.000129
13	0.000148
14	0.000210
15	0.000218
16	0.000251
17	0.000333
18	0.000288
19	0.000319
20	0.000326
21	0.000320
22	0.000321
23	0.000321
24	0.000335
25	0.000318
26	0.000354
27	0.000371
28	0.000404
29	0.000374
30	0.000414
31	0.000481
32	0.000556
33	0.000545
34	0.000630
35	0.000668
36	0.000737
37	0.000798
38	0.000840
39	0.000976
40	0.001060
41	0.001167
42	0.001343
43	0.001363
44	0.001553
45	0.001759
46	0.001941
47	0.002162
48	0.002360
49	0.002498

50	0.004602	0.004591	94023.6	431.7	26.28	50	0.002920
51	0.005107	0.005094	93591.9	476.7	25.40	51	0.003234
52	0.005814	0.005797	93115.2	539.8	24.53	52	0.003655
53	0.006429	0.006408	92575.4	593.3	23.67	53	0.003844
54	0.006892	0.006868	91982.1	631.8	22.82	54	0.004170
55	0.007758	0.007728	91350.4	705.9	21.97	55	0.004707
56	0.008548	0.008511	90644.4	771.5	21.14	56	0.005079
57	0.009796	0.009748	89872.9	876.1	20.32	57	0.005732
58	0.010845	0.010787	88996.8	960.0	19.51	58	0.006378
59	0.012117	0.012044	88036.8	1060.3	18.72	59	0.007265
60	0.013618	0.013526	86976.5	1176.4	17.94	60	0.008167
61	0.015241	0.015126	85800.1	1297.8	17.18	61	0.009206
62	0.016925	0.016783	84502.3	1418.2	16.44	62	0.009861
63	0.019216	0.019033	83084.1	1581.3	15.71	63	0.010991
64	0.021774	0.021540	81502.8	1755.6	15.00	64	0.012181
65	0.024096	0.023810	79747.3	1898.7	14.32	65	0.013963
66	0.026802	0.026447	77848.5	2058.9	13.66	66	0.015097
67	0.030124	0.029677	75789.6	2249.2	13.02	67	0.016589
68	0.032459	0.031941	73540.4	2348.9	12.40	68	0.018473
69	0.036075	0.035436	71191.5	2522.8	11.79	69	0.020166
70	0.039573	0.038806	68668.7	2664.7	11.21	70	0.022396
71	0.043554	0.042626	66004.0	2813.5	10.64	71	0.024087
72	0.047763	0.046649	63190.5	2947.8	10.09	72	0.027081
73	0.052021	0.050702	60242.8	3054.5	9.56	73	0.030183
74	0.058619	0.056949	57188.3	3256.8	9.04	74	0.033578
75	0.062704	0.060798	53931.5	3278.9	8.56	75	0.036289
76	0.069219	0.066904	50652.5	3388.8	8.08	76	0.040061
77	0.076436	0.073622	47263.7	3479.7	7.62	77	0.044652
78	0.083607	0.080252	43784.0	3513.7	7.19	78	0.049148
79	0.091655	0.087639	40270.3	3529.2	6.77	79	0.054931
80	0.100866	0.096023	36741.0	3528.0	6.38	80	0.062030
81	0.110037	0.104299	33213.0	3464.1	6.00	81	0.068664
82	0.120390	0.113554	29749.0	3378.1	5.64	82	0.076388
83	0.131494	0.123382	26370.8	3253.7	5.30	83	0.084871
84	0.145898	0.135979	23117.1	3143.4	4.98	84	0.094843
85	0.158053	0.146477	19973.7	2925.7	4.68	85	0.105451
86	0.171325	0.157807	17048.0	2690.3	4.40	86	0.117854
87	0.188870	0.172573	14357.7	2477.8	4.13	87	0.132085
88	0.202796	0.184126	11880.0	2187.4	3.89	88	0.143536
89	0.220113	0.198290	9692.5	1921.9	3.65	89	0.159413
90	0.238492	0.213083	7770.6	1655.8	3.43	90	0.178743
91	0.249488	0.221818	6114.8	1356.4	3.22	91	0.195715
92	0.277212	0.243466	4758.5	1158.5	3.00	92	0.218386
93	0.306904	0.266075	3599.9	957.9	2.80	93	0.239011
94	0.332714	0.285259	2642.1	753.7	2.64	94	0.261644
95	0.355581	0.301905	1888.4	570.1	2.49	95	0.288235
96	0.377210	0.317355	1318.3	418.4	2.35	96	0.316062
97	0.418676	0.346203	899.9	311.6	2.21	97	0.337868
98	0.425969	0.351175	588.4	206.6	2.11	98	0.355491
99	0.481845	0.388296	381.7	148.2	1.99	99	0.393528
100	0.477776	0.38564	233.5	90.1	1.93	100	0.41800

ears 1991-1993

s, Females

qx	lx	dx	ex
0.005960	100000.0	596.0	78.98
0.000497	99404.0	49.4	78.45
0.000299	99354.6	29.7	77.49
0.000216	99324.9	21.4	76.52
0.000168	99303.5	16.6	75.53
0.000145	99286.9	14.4	74.55
0.000142	99272.5	14.1	73.56
0.000140	99258.4	13.9	72.57
0.000125	99244.5	12.4	71.58
0.000132	99232.1	13.1	70.59
0.000138	99219.0	13.7	69.59
0.000115	99205.3	11.4	68.60
0.000129	99193.9	12.8	67.61
0.000148	99181.1	14.6	66.62
0.000210	99166.5	20.9	65.63
0.000218	99145.6	21.6	64.64
0.000251	99124.0	24.9	63.66
0.000333	99099.1	33.0	62.67
0.000288	99066.2	28.6	61.69
0.000319	99037.6	31.6	60.71
0.000326	99006.0	32.3	59.73
0.000320	98973.7	31.7	58.75
0.000321	98942.0	31.8	57.77
0.000321	98910.3	31.7	56.79
0.000335	98878.5	33.1	55.81
0.000318	98845.4	31.5	54.82
0.000354	98813.9	35.0	53.84
0.000371	98778.9	36.6	52.86
0.000403	98742.3	39.8	51.88
0.000374	98702.5	36.9	50.90
0.000414	98665.6	40.9	49.92
0.000480	98624.7	47.4	48.94
0.000556	98577.4	54.8	47.96
0.000545	98522.6	53.7	46.99
0.000630	98468.8	62.0	46.01
0.000668	98406.8	65.7	45.04
0.000736	98341.1	72.4	44.07
0.000797	98268.7	78.4	43.11
0.000840	98190.4	82.4	42.14
0.000976	98107.9	95.7	41.17
0.001059	98012.2	103.8	40.21
0.001167	97908.3	114.2	39.26
0.001342	97794.1	131.3	38.30
0.001362	97662.8	133.0	37.35
0.001551	97529.8	151.3	36.40
0.001757	97378.5	171.1	35.46
0.001940	97207.4	188.5	34.52
0.002160	97018.8	209.5	33.59
0.002357	96809.3	228.2	32.66
0.002495	96581.1	241.0	31.73

0.002916	96340.1	280.9	30.81
0.003229	96059.2	310.1	29.90
0.003648	95749.1	349.3	29.00
0.003837	95399.8	366.0	28.10
0.004161	95033.7	395.4	27.21
0.004696	94638.3	444.4	26.32
0.005066	94193.9	477.2	25.44
0.005716	93716.7	535.7	24.57
0.006357	93181.0	592.4	23.71
0.007239	92588.6	670.2	22.85
0.008134	91918.4	747.7	22.02
0.009164	91170.7	835.5	21.19
0.009813	90335.3	886.4	20.38
0.010931	89448.8	977.7	19.58
0.012107	88471.1	1071.2	18.79
0.013866	87399.9	1211.9	18.02
0.014984	86188.0	1291.4	17.26
0.016452	84896.6	1396.7	16.52
0.018304	83499.9	1528.4	15.79
0.019964	81971.5	1636.5	15.07
0.022148	80335.0	1779.3	14.37
0.023800	78555.7	1869.7	13.68
0.026719	76686.1	2049.0	13.00
0.029734	74637.1	2219.3	12.35
0.033023	72417.8	2391.5	11.71
0.035642	70026.3	2495.9	11.09
0.039275	67530.4	2652.2	10.48
0.043676	64878.2	2833.6	9.89
0.047970	62044.6	2976.3	9.32
0.053463	59068.3	3157.9	8.77
0.060164	55910.4	3363.8	8.23
0.066384	52546.5	3488.3	7.73
0.073578	49058.3	3609.6	7.24
0.081416	45448.7	3700.2	6.78
0.090549	41748.4	3780.3	6.33
0.100169	37968.1	3803.2	5.91
0.111295	34164.9	3802.4	5.52
0.123902	30362.5	3762.0	5.14
0.133924	26600.5	3562.5	4.80
0.147645	23038.1	3401.5	4.47
0.164079	19636.6	3222.0	4.15
0.178270	16414.7	2926.2	3.87
0.196887	13488.4	2655.7	3.60
0.213497	10832.7	2312.8	3.36
0.231375	8520.0	1971.3	3.14
0.251927	6548.7	1649.8	2.93
0.272930	4898.9	1337.0	2.75
0.289040	3561.8	1029.5	2.59
0.301840	2532.3	764.4	2.44
0.328827	1768.0	581.4	2.28
0.34574	1186.6	410.3	2.16

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.008249	0.008215	100000.0	821.5	73.37
1	0.000626	0.000626	99178.5	62.1	72.98
2	0.000381	0.000381	99116.5	37.7	72.03
3	0.000305	0.000305	99078.7	30.2	71.05
4	0.000244	0.000244	99048.5	24.1	70.08
5	0.000226	0.000225	99024.4	22.3	69.09
6	0.000200	0.000200	99002.1	19.8	68.11
7	0.000191	0.000191	98982.3	18.9	67.12
8	0.000188	0.000188	98963.4	18.6	66.13
9	0.000181	0.000181	98944.8	17.9	65.15
10	0.000187	0.000187	98926.9	18.5	64.16
11	0.000183	0.000183	98908.4	18.1	63.17
12	0.000195	0.000195	98890.3	19.3	62.18
13	0.000236	0.000236	98871.0	23.3	61.19
14	0.000296	0.000296	98847.7	29.2	60.21
15	0.000399	0.000399	98818.4	39.5	59.23
16	0.000534	0.000534	98779.0	52.8	58.25
17	0.000755	0.000755	98726.2	74.5	57.28
18	0.000881	0.000880	98651.7	86.8	56.32
19	0.000837	0.000837	98564.8	82.5	55.37
20	0.000863	0.000863	98482.4	85.0	54.42
21	0.000880	0.000879	98397.4	86.5	53.46
22	0.000909	0.000909	98310.9	89.3	52.51
23	0.000923	0.000923	98221.5	90.7	51.56
24	0.000883	0.000882	98130.9	86.6	50.61
25	0.000847	0.000846	98044.3	83.0	49.65
26	0.000902	0.000902	97961.3	88.3	48.69
27	0.000878	0.000877	97873.0	85.8	47.73
28	0.000894	0.000893	97787.2	87.4	46.78
29	0.000928	0.000928	97699.8	90.6	45.82
30	0.000936	0.000935	97609.1	91.3	44.86
31	0.000992	0.000991	97517.8	96.7	43.90
32	0.001035	0.001034	97421.2	100.8	42.94
33	0.001033	0.001032	97320.4	100.5	41.99
34	0.001104	0.001103	97219.9	107.2	41.03
35	0.001194	0.001193	97112.7	115.8	40.08
36	0.001289	0.001288	96996.9	124.9	39.12
37	0.001405	0.001404	96872.0	136.0	38.17
38	0.001556	0.001554	96736.0	150.4	37.23
39	0.001675	0.001674	96585.6	161.6	36.28
40	0.001660	0.001659	96424.0	160.0	35.34
41	0.001888	0.001887	96264.0	181.6	34.40
42	0.002068	0.002066	96082.4	198.5	33.47
43	0.002209	0.002207	95883.9	211.6	32.53
44	0.002352	0.002349	95672.3	224.7	31.60
45	0.002659	0.002655	95447.6	253.4	30.68
46	0.003107	0.003103	95194.2	295.3	29.76
47	0.003281	0.003275	94898.8	310.8	28.85
48	0.003680	0.003674	94588.0	347.5	27.94
49	0.004114	0.004106	94240.5	386.9	27.04

National life table

age	mx
0	0.006405
1	0.000550
2	0.000299
3	0.000226
4	0.000177
5	0.000147
6	0.000148
7	0.000144
8	0.000139
9	0.000149
10	0.000126
11	0.000142
12	0.000138
13	0.000129
14	0.000202
15	0.000218
16	0.000261
17	0.000333
18	0.000292
19	0.000323
20	0.000302
21	0.000334
22	0.000328
23	0.000322
24	0.000324
25	0.000329
26	0.000352
27	0.000347
28	0.000401
29	0.000382
30	0.000401
31	0.000476
32	0.000562
33	0.000557
34	0.000628
35	0.000707
36	0.000747
37	0.000821
38	0.000890
39	0.001016
40	0.001056
41	0.001150
42	0.001364
43	0.001327
44	0.001603
45	0.001777
46	0.001971
47	0.002193
48	0.002446
49	0.002616

50	0.004722	0.004711	93853.6	442.1	26.15	50	0.002968
51	0.005220	0.005207	93411.4	486.4	25.27	51	0.003263
52	0.005818	0.005801	92925.1	539.1	24.40	52	0.003636
53	0.006480	0.006459	92386.0	596.8	23.54	53	0.003902
54	0.007001	0.006977	91789.2	640.4	22.69	54	0.004203
55	0.008020	0.007988	91148.8	728.1	21.85	55	0.004788
56	0.008914	0.008874	90420.8	802.4	21.02	56	0.005300
57	0.009929	0.009880	89618.3	885.5	20.20	57	0.005968
58	0.011153	0.011091	88732.9	984.1	19.40	58	0.006553
59	0.012378	0.012302	87748.8	1079.5	18.61	59	0.007356
60	0.014032	0.013935	86669.3	1207.7	17.84	60	0.008355
61	0.015783	0.015660	85461.6	1338.3	17.08	61	0.009356
62	0.017442	0.017291	84123.3	1454.6	16.35	62	0.010045
63	0.019816	0.019622	82668.7	1622.1	15.63	63	0.011250
64	0.022248	0.022003	81046.6	1783.3	14.93	64	0.012776
65	0.024796	0.024493	79263.3	1941.4	14.25	65	0.014147
66	0.027175	0.026811	77322.0	2073.1	13.60	66	0.015143
67	0.030614	0.030153	75248.9	2269.0	12.96	67	0.016887
68	0.033059	0.032522	72979.9	2373.4	12.35	68	0.018531
69	0.036848	0.036182	70606.5	2554.7	11.75	69	0.020418
70	0.039459	0.038696	68051.8	2633.3	11.17	70	0.022024
71	0.044073	0.043123	65418.5	2821.0	10.60	71	0.024045
72	0.048386	0.047243	62597.5	2957.3	10.05	72	0.027253
73	0.053535	0.052139	59640.2	3109.6	9.53	73	0.030828
74	0.058595	0.056928	56530.6	3218.2	9.02	74	0.033276
75	0.063198	0.061262	53312.4	3266.0	8.54	75	0.036228
76	0.070068	0.067696	50046.4	3387.9	8.06	76	0.039802
77	0.077279	0.074404	46658.4	3471.6	7.61	77	0.044606
78	0.084046	0.080657	43186.9	3483.3	7.18	78	0.049395
79	0.092733	0.088624	39703.6	3518.7	6.77	79	0.055363
80	0.102085	0.097128	36184.9	3514.6	6.38	80	0.061909
81	0.110454	0.104673	32670.3	3419.7	6.01	81	0.068710
82	0.120894	0.114003	29250.6	3334.7	5.65	82	0.076116
83	0.132575	0.124333	25916.0	3222.2	5.32	83	0.084824
84	0.146582	0.136572	22693.8	3099.3	5.00	84	0.094450
85	0.156803	0.145403	19594.4	2849.1	4.71	85	0.105599
86	0.171046	0.157570	16745.3	2638.6	4.43	86	0.118068
87	0.187292	0.171255	14106.8	2415.9	4.17	87	0.130233
88	0.199757	0.181618	11690.9	2123.3	3.92	88	0.141595
89	0.217831	0.196436	9567.6	1879.4	3.68	89	0.158599
90	0.233729	0.209273	7688.2	1608.9	3.46	90	0.176513
91	0.250349	0.222498	6079.3	1352.6	3.24	91	0.194973
92	0.274218	0.241154	4726.7	1139.8	3.03	92	0.216576
93	0.299179	0.260249	3586.8	933.5	2.83	93	0.234971
94	0.331770	0.284565	2653.3	755.0	2.66	94	0.256863
95	0.354948	0.301448	1898.3	572.2	2.51	95	0.286522
96	0.378275	0.318109	1326.1	421.8	2.38	96	0.310471
97	0.406813	0.338051	904.2	305.7	2.26	97	0.332801
98	0.414348	0.343238	598.6	205.4	2.16	98	0.341364
99	0.466059	0.377979	393.1	148.6	2.03	99	0.389672
100	0.47909	0.38651	244.5	94.5	1.96	100	0.40440

ears 1990-1992

s, Females

qx	lx	dx	ex
0.006385	100000.0	638.5	78.88
0.000550	99361.5	54.6	78.39
0.000299	99306.9	29.7	77.43
0.000226	99277.2	22.5	76.45
0.000177	99254.7	17.6	75.47
0.000147	99237.2	14.6	74.48
0.000148	99222.6	14.6	73.49
0.000144	99207.9	14.3	72.50
0.000139	99193.6	13.8	71.51
0.000149	99179.8	14.7	70.52
0.000126	99165.1	12.5	69.53
0.000142	99152.6	14.1	68.54
0.000138	99138.4	13.7	67.55
0.000129	99124.7	12.8	66.56
0.000202	99111.9	20.0	65.57
0.000218	99091.9	21.6	64.58
0.000261	99070.3	25.8	63.60
0.000333	99044.4	33.0	62.61
0.000292	99011.5	28.9	61.64
0.000323	98982.5	32.0	60.65
0.000302	98950.5	29.9	59.67
0.000334	98920.7	33.1	58.69
0.000328	98887.6	32.4	57.71
0.000322	98855.2	31.8	56.73
0.000324	98823.3	32.0	55.75
0.000329	98791.3	32.5	54.76
0.000352	98758.8	34.8	53.78
0.000347	98724.0	34.3	52.80
0.000401	98689.7	39.6	51.82
0.000382	98650.1	37.7	50.84
0.000401	98612.5	39.6	49.86
0.000476	98572.9	47.0	48.88
0.000562	98525.9	55.3	47.90
0.000557	98470.6	54.8	46.93
0.000628	98415.8	61.8	45.95
0.000707	98354.0	69.5	44.98
0.000747	98284.4	73.4	44.01
0.000821	98211.0	80.6	43.05
0.000890	98130.4	87.3	42.08
0.001015	98043.1	99.5	41.12
0.001056	97943.6	103.4	40.16
0.001149	97840.2	112.5	39.20
0.001364	97727.7	133.3	38.25
0.001326	97594.5	129.4	37.30
0.001602	97465.1	156.1	36.35
0.001775	97309.0	172.7	35.40
0.001969	97136.3	191.3	34.47
0.002190	96945.0	212.3	33.53
0.002443	96732.7	236.3	32.61
0.002612	96496.3	252.1	31.68

0.002964	96244.3	285.2	30.77
0.003257	95959.1	312.6	29.86
0.003629	95646.5	347.1	28.95
0.003895	95299.4	371.2	28.06
0.004194	94928.2	398.1	27.16
0.004777	94530.1	451.5	26.28
0.005286	94078.6	497.3	25.40
0.005951	93581.3	556.9	24.53
0.006532	93024.4	607.6	23.68
0.007329	92416.8	677.3	22.83
0.008320	91739.5	763.3	21.99
0.009313	90976.2	847.3	21.17
0.009994	90129.0	900.8	20.37
0.011187	89228.2	998.2	19.57
0.012695	88230.0	1120.1	18.78
0.014048	87109.9	1223.7	18.02
0.015029	85886.2	1290.8	17.27
0.016746	84595.4	1416.6	16.52
0.018361	83178.8	1527.3	15.80
0.020211	81651.5	1650.3	15.08
0.021784	80001.2	1742.8	14.38
0.023760	78258.4	1859.4	13.69
0.026887	76399.1	2054.1	13.02
0.030360	74344.9	2257.1	12.36
0.032731	72087.8	2359.5	11.73
0.035584	69728.3	2481.2	11.11
0.039026	67247.1	2624.4	10.50
0.043633	64622.7	2819.7	9.91
0.048205	61803.0	2979.2	9.34
0.053872	58823.8	3168.9	8.79
0.060050	55654.9	3342.1	8.26
0.066428	52312.8	3475.0	7.75
0.073325	48837.8	3581.0	7.27
0.081373	45256.7	3682.7	6.81
0.090191	41574.1	3749.6	6.37
0.100303	37824.5	3793.9	5.95
0.111487	34030.5	3793.9	5.55
0.122272	30236.6	3697.1	5.19
0.132234	26539.5	3509.4	4.84
0.146946	23030.1	3384.2	4.50
0.162198	19645.9	3186.5	4.19
0.177654	16459.4	2924.1	3.91
0.195415	13535.3	2645.0	3.64
0.210267	10890.3	2289.9	3.41
0.227629	8600.4	1957.7	3.18
0.250618	6642.7	1664.8	2.97
0.268751	4977.9	1337.8	2.80
0.285323	3640.1	1038.6	2.64
0.291594	2601.5	758.6	2.49
0.326130	1842.9	601.0	2.32
0.33638	1241.9	417.7	2.2

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.008993	0.008953	100000.0	895.3	73.08
1	0.000684	0.000684	99104.7	67.8	72.74
2	0.000423	0.000423	99036.9	41.8	71.79
3	0.000335	0.000335	98995.1	33.1	70.82
4	0.000248	0.000248	98961.9	24.5	69.84
5	0.000248	0.000248	98937.4	24.5	68.86
6	0.000215	0.000215	98912.9	21.2	67.88
7	0.000211	0.000211	98891.7	20.9	66.89
8	0.000202	0.000202	98870.8	20.0	65.90
9	0.000193	0.000193	98850.8	19.1	64.92
10	0.000198	0.000198	98831.7	19.6	63.93
11	0.000191	0.000191	98812.1	18.8	62.94
12	0.000194	0.000194	98793.2	19.1	61.95
13	0.000240	0.000240	98774.1	23.7	60.97
14	0.000299	0.000299	98750.4	29.6	59.98
15	0.000422	0.000422	98720.9	41.6	59.00
16	0.000570	0.000570	98679.2	56.3	58.02
17	0.000818	0.000817	98622.9	80.6	57.06
18	0.000907	0.000906	98542.3	89.3	56.10
19	0.000876	0.000876	98453.0	86.2	55.15
20	0.000888	0.000887	98366.8	87.3	54.20
21	0.000888	0.000888	98279.5	87.2	53.25
22	0.000901	0.000901	98192.2	88.5	52.30
23	0.000935	0.000934	98103.7	91.7	51.34
24	0.000899	0.000899	98012.1	88.1	50.39
25	0.000887	0.000887	97924.0	86.9	49.43
26	0.000889	0.000888	97837.1	86.9	48.48
27	0.000861	0.000861	97750.2	84.2	47.52
28	0.000874	0.000873	97666.1	85.3	46.56
29	0.000921	0.000921	97580.8	89.9	45.60
30	0.000913	0.000912	97490.9	88.9	44.64
31	0.000967	0.000966	97402.0	94.1	43.68
32	0.001013	0.001012	97307.9	98.5	42.72
33	0.001049	0.001048	97209.4	101.9	41.77
34	0.001058	0.001057	97107.5	102.7	40.81
35	0.001172	0.001172	97004.8	113.7	39.85
36	0.001318	0.001317	96891.2	127.6	38.90
37	0.001441	0.001440	96763.6	139.3	37.95
38	0.001487	0.001486	96624.2	143.6	37.00
39	0.001627	0.001626	96480.7	156.9	36.06
40	0.001647	0.001645	96323.8	158.5	35.12
41	0.001821	0.001819	96165.3	174.9	34.17
42	0.002038	0.002036	95990.3	195.4	33.24
43	0.002213	0.002211	95794.9	211.8	32.30
44	0.002397	0.002394	95583.1	228.8	31.37
45	0.002810	0.002806	95354.3	267.6	30.45
46	0.003184	0.003179	95086.7	302.3	29.53
47	0.003370	0.003365	94784.4	318.9	28.62
48	0.003824	0.003817	94465.5	360.6	27.72
49	0.004255	0.004246	94104.9	399.6	26.82

National life table

age	mx
0	0.006923
1	0.000573
2	0.000323
3	0.000241
4	0.000213
5	0.000177
6	0.000154
7	0.000151
8	0.000133
9	0.000144
10	0.000127
11	0.000149
12	0.000149
13	0.000141
14	0.000208
15	0.000213
16	0.000277
17	0.000326
18	0.000310
19	0.000333
20	0.000285
21	0.000334
22	0.000322
23	0.000329
24	0.000329
25	0.000335
26	0.000340
27	0.000354
28	0.000399
29	0.000400
30	0.000420
31	0.000481
32	0.000549
33	0.000572
34	0.000645
35	0.000698
36	0.000768
37	0.000843
38	0.000902
39	0.001011
40	0.001050
41	0.001165
42	0.001339
43	0.001413
44	0.001657
45	0.001842
46	0.001908
47	0.002250
48	0.002581
49	0.002746

50	0.004810	0.004799	93705.3	449.6	25.93	50	0.003038
51	0.005298	0.005284	93255.7	492.7	25.06	51	0.003386
52	0.005816	0.005800	92762.9	538.0	24.19	52	0.003694
53	0.006616	0.006594	92225.0	608.2	23.33	53	0.003928
54	0.007292	0.007265	91616.8	665.6	22.48	54	0.004332
55	0.008107	0.008075	90951.2	734.4	21.64	55	0.005052
56	0.009248	0.009206	90216.7	830.5	20.81	56	0.005592
57	0.010316	0.010264	89386.2	917.4	20.00	57	0.006168
58	0.011434	0.011369	88468.8	1005.8	19.20	58	0.006558
59	0.012807	0.012726	87463.0	1113.0	18.42	59	0.007655
60	0.014581	0.014475	86350.0	1249.9	17.65	60	0.008676
61	0.016523	0.016388	85100.1	1394.6	16.90	61	0.009577
62	0.018087	0.017925	83705.5	1500.4	16.17	62	0.010409
63	0.020282	0.020078	82205.0	1650.5	15.46	63	0.011671
64	0.022902	0.022643	80554.5	1824.0	14.77	64	0.013149
65	0.025645	0.025320	78730.5	1993.5	14.10	65	0.014427
66	0.027960	0.027575	76737.1	2116.0	13.45	66	0.015526
67	0.031316	0.030834	74621.1	2300.8	12.82	67	0.017400
68	0.033492	0.032940	72320.2	2382.2	12.21	68	0.018650
69	0.037002	0.036330	69938.0	2540.9	11.61	69	0.020477
70	0.040606	0.039798	67397.1	2682.3	11.03	70	0.022637
71	0.044853	0.043869	64714.9	2839.0	10.46	71	0.024586
72	0.050293	0.049060	61875.9	3035.6	9.92	72	0.028065
73	0.053910	0.052495	58840.3	3088.8	9.40	73	0.030912
74	0.059519	0.057799	55751.5	3222.4	8.90	74	0.033393
75	0.065181	0.063123	52529.1	3315.8	8.41	75	0.036662
76	0.071695	0.069214	49213.3	3406.2	7.95	76	0.040675
77	0.078950	0.075952	45807.0	3479.1	7.50	77	0.045529
78	0.085830	0.082298	42327.9	3483.5	7.08	78	0.050531
79	0.095659	0.091292	38844.4	3546.2	6.66	79	0.056833
80	0.104246	0.099081	35298.2	3497.4	6.28	80	0.063687
81	0.113089	0.107036	31800.8	3403.8	5.92	81	0.069975
82	0.123756	0.116544	28397.0	3309.5	5.57	82	0.078173
83	0.135549	0.126945	25087.5	3184.7	5.24	83	0.086745
84	0.149461	0.139069	21902.7	3046.0	4.93	84	0.096230
85	0.161536	0.149464	18856.7	2818.4	4.64	85	0.107766
86	0.174397	0.160410	16038.3	2572.7	4.37	86	0.119793
87	0.191732	0.174959	13465.6	2355.9	4.11	87	0.132463
88	0.205135	0.186052	11109.7	2067.0	3.88	88	0.145980
89	0.223610	0.201124	9042.7	1818.7	3.65	89	0.164573
90	0.235400	0.210611	7224.0	1521.5	3.44	90	0.178432
91	0.253208	0.224754	5702.6	1281.7	3.23	91	0.199923
92	0.275661	0.242269	4420.9	1071.0	3.02	92	0.220719
93	0.304411	0.264199	3349.8	885.0	2.82	93	0.242500
94	0.330918	0.283938	2464.8	699.9	2.65	94	0.265054
95	0.348399	0.296712	1765.0	523.7	2.51	95	0.288343
96	0.389444	0.325970	1241.3	404.6	2.35	96	0.317982
97	0.409940	0.340208	836.7	284.6	2.25	97	0.333045
98	0.420253	0.347280	552.0	191.7	2.15	98	0.347411
99	0.473630	0.382943	360.3	138.0	2.03	99	0.400181
100	0.48421	0.38983	222.3	86.7	1.98	100	0.42545

ears 1989-1991

s, Females

qx	lx	dx	ex
0.006899	100000.0	689.9	78.61
0.000573	99310.1	56.9	78.16
0.000323	99253.2	32.1	77.20
0.000241	99221.1	23.9	76.23
0.000213	99197.2	21.1	75.24
0.000177	99176.0	17.5	74.26
0.000154	99158.5	15.3	73.27
0.000151	99143.2	15.0	72.28
0.000133	99128.2	13.2	71.30
0.000144	99115.1	14.3	70.30
0.000127	99100.7	12.6	69.32
0.000149	99088.2	14.8	68.32
0.000149	99073.4	14.8	67.33
0.000141	99058.6	13.9	66.34
0.000208	99044.7	20.6	65.35
0.000213	99024.1	21.1	64.37
0.000277	99003.0	27.4	63.38
0.000326	98975.6	32.3	62.40
0.000310	98943.3	30.7	61.42
0.000333	98912.6	33.0	60.44
0.000285	98879.6	28.2	59.46
0.000334	98851.4	33.0	58.47
0.000322	98818.4	31.9	57.49
0.000329	98786.5	32.5	56.51
0.000329	98754.0	32.5	55.53
0.000335	98721.6	33.1	54.55
0.000340	98688.5	33.5	53.57
0.000354	98655.0	34.9	52.58
0.000399	98620.1	39.3	51.60
0.000400	98580.7	39.4	50.62
0.000420	98541.3	41.4	49.64
0.000481	98499.9	47.4	48.66
0.000549	98452.6	54.0	47.69
0.000572	98398.5	56.3	46.71
0.000644	98342.2	63.4	45.74
0.000697	98278.8	68.5	44.77
0.000768	98210.3	75.4	43.80
0.000843	98134.9	82.7	42.83
0.000901	98052.2	88.4	41.87
0.001011	97963.8	99.0	40.91
0.001050	97864.8	102.7	39.95
0.001164	97762.1	113.8	38.99
0.001338	97648.2	130.7	38.03
0.001412	97517.6	137.7	37.08
0.001656	97379.9	161.2	36.13
0.001841	97218.7	178.9	35.19
0.001906	97039.7	185.0	34.26
0.002247	96854.7	217.7	33.32
0.002578	96637.1	249.1	32.40
0.002742	96388.0	264.3	31.48

0.003034	96123.6	291.6	30.56
0.003380	95832.0	323.9	29.66
0.003688	95508.1	352.2	28.75
0.003920	95155.9	373.0	27.86
0.004323	94782.9	409.7	26.97
0.005040	94373.1	475.6	26.08
0.005577	93897.5	523.6	25.21
0.006149	93373.9	574.1	24.35
0.006537	92799.8	606.6	23.50
0.007626	92193.2	703.1	22.65
0.008639	91490.1	790.4	21.82
0.009532	90699.7	864.5	21.00
0.010355	89835.2	930.3	20.20
0.011603	88905.0	1031.6	19.41
0.013063	87873.4	1147.9	18.63
0.014324	86725.5	1242.2	17.87
0.015406	85483.3	1317.0	17.12
0.017250	84166.4	1451.9	16.38
0.018477	82714.5	1528.3	15.66
0.020269	81186.2	1645.6	14.95
0.022384	79540.6	1780.4	14.25
0.024287	77760.2	1888.6	13.56
0.027677	75871.6	2099.9	12.88
0.030441	73771.7	2245.7	12.24
0.032845	71526.0	2349.3	11.61
0.036002	69176.8	2490.5	10.98
0.039865	66686.3	2658.4	10.37
0.044516	64027.8	2850.2	9.78
0.049286	61177.6	3015.2	9.22
0.055263	58162.4	3214.2	8.67
0.061722	54948.2	3391.5	8.15
0.067609	51556.7	3485.7	7.65
0.075232	48071.0	3616.5	7.17
0.083139	44454.5	3695.9	6.71
0.091813	40758.6	3742.2	6.27
0.102256	37016.4	3785.1	5.86
0.113024	33231.3	3755.9	5.47
0.124235	29475.4	3661.9	5.10
0.136049	25813.5	3511.9	4.75
0.152060	22301.6	3391.2	4.42
0.163817	18910.4	3097.8	4.13
0.181755	15812.6	2874.0	3.84
0.198782	12938.6	2572.0	3.58
0.216276	10366.6	2242.0	3.34
0.234038	8124.6	1901.5	3.13
0.252010	6223.1	1568.3	2.93
0.274361	4654.8	1277.1	2.75
0.285503	3377.7	964.3	2.60
0.295995	2413.4	714.3	2.44
0.333459	1699.0	566.6	2.26
0.35082	1132.5	397.3	2.14

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.009687	0.009641	100000.0	964.1	72.85
1	0.000713	0.000713	99035.9	70.6	72.56
2	0.000445	0.000445	98965.3	44.0	71.61
3	0.000338	0.000338	98921.3	33.5	70.64
4	0.000253	0.000253	98887.8	25.0	69.66
5	0.000242	0.000242	98862.9	23.9	68.68
6	0.000224	0.000224	98838.9	22.2	67.70
7	0.000218	0.000218	98816.7	21.5	66.71
8	0.000230	0.000230	98795.2	22.8	65.73
9	0.000199	0.000199	98772.5	19.6	64.74
10	0.000206	0.000206	98752.8	20.3	63.75
11	0.000202	0.000202	98732.5	20.0	62.77
12	0.000197	0.000197	98712.6	19.4	61.78
13	0.000265	0.000265	98693.1	26.1	60.79
14	0.000309	0.000309	98667.0	30.5	59.81
15	0.000398	0.000398	98636.6	39.2	58.83
16	0.000545	0.000545	98597.3	53.7	57.85
17	0.000845	0.000844	98543.6	83.2	56.88
18	0.000878	0.000878	98460.4	86.5	55.93
19	0.000864	0.000864	98373.9	85.0	54.98
20	0.000919	0.000918	98289.0	90.3	54.02
21	0.000885	0.000884	98198.7	86.8	53.07
22	0.000902	0.000902	98111.9	88.5	52.12
23	0.000902	0.000901	98023.4	88.4	51.17
24	0.000866	0.000865	97935.1	84.8	50.21
25	0.000854	0.000854	97850.3	83.5	49.25
26	0.000841	0.000840	97766.8	82.2	48.30
27	0.000852	0.000852	97684.6	83.2	47.34
28	0.000891	0.000890	97601.4	86.9	46.38
29	0.000900	0.000900	97514.5	87.7	45.42
30	0.000902	0.000902	97426.8	87.9	44.46
31	0.000935	0.000935	97338.9	91.0	43.50
32	0.001007	0.001006	97247.9	97.9	42.54
33	0.001089	0.001089	97150.1	105.8	41.58
34	0.001067	0.001066	97044.3	103.5	40.62
35	0.001172	0.001171	96940.8	113.5	39.67
36	0.001306	0.001305	96827.3	126.4	38.71
37	0.001367	0.001366	96700.9	132.1	37.76
38	0.001448	0.001447	96568.9	139.8	36.81
39	0.001547	0.001546	96429.1	149.1	35.87
40	0.001630	0.001629	96280.0	156.8	34.92
41	0.001827	0.001825	96123.2	175.5	33.98
42	0.001968	0.001966	95947.7	188.7	33.04
43	0.002243	0.002241	95759.1	214.6	32.10
44	0.002468	0.002465	95544.5	235.5	31.17
45	0.002862	0.002858	95309.0	272.4	30.25
46	0.003151	0.003146	95036.6	299.0	29.34
47	0.003626	0.003619	94737.7	342.9	28.43
48	0.003939	0.003931	94394.8	371.1	27.53
49	0.004380	0.004370	94023.7	410.9	26.63

National life table

age	mx
0	0.007387
1	0.000592
2	0.000340
3	0.000285
4	0.000222
5	0.000170
6	0.000159
7	0.000154
8	0.000135
9	0.000129
10	0.000119
11	0.000147
12	0.000156
13	0.000158
14	0.000203
15	0.000240
16	0.000281
17	0.000308
18	0.000327
19	0.000323
20	0.000304
21	0.000336
22	0.000294
23	0.000312
24	0.000326
25	0.000333
26	0.000337
27	0.000359
28	0.000392
29	0.000411
30	0.000433
31	0.000531
32	0.000537
33	0.000565
34	0.000671
35	0.000732
36	0.000785
37	0.000885
38	0.000928
39	0.000999
40	0.001092
41	0.001264
42	0.001386
43	0.001490
44	0.001693
45	0.001845
46	0.001972
47	0.002308
48	0.002665
49	0.002737

50	0.004885	0.004873	93612.8	456.2	25.75	50	0.003104
51	0.005369	0.005354	93156.6	498.8	24.87	51	0.003403
52	0.005875	0.005858	92657.8	542.7	24.00	52	0.003695
53	0.006804	0.006781	92115.1	624.7	23.14	53	0.004074
54	0.007517	0.007489	91490.4	685.2	22.30	54	0.004412
55	0.008379	0.008344	90805.3	757.7	21.46	55	0.005154
56	0.009656	0.009610	90047.6	865.4	20.64	56	0.005750
57	0.010662	0.010606	89182.2	945.8	19.83	57	0.006430
58	0.011787	0.011718	88236.4	1034.0	19.04	58	0.006832
59	0.013272	0.013184	87202.4	1149.7	18.26	59	0.007890
60	0.015211	0.015096	86052.7	1299.1	17.50	60	0.008736
61	0.017268	0.017120	84753.6	1451.0	16.76	61	0.009777
62	0.018867	0.018691	83302.6	1557.0	16.04	62	0.010893
63	0.020936	0.020719	81745.7	1693.7	15.34	63	0.012113
64	0.023695	0.023417	80051.9	1874.6	14.65	64	0.013396
65	0.026233	0.025894	78177.4	2024.3	13.99	65	0.014563
66	0.028583	0.028180	76153.1	2146.0	13.35	66	0.015793
67	0.031731	0.031236	74007.0	2311.7	12.72	67	0.017455
68	0.033863	0.033299	71695.4	2387.4	12.12	68	0.018599
69	0.037880	0.037176	69308.0	2576.6	11.52	69	0.020917
70	0.041389	0.040550	66731.4	2706.0	10.94	70	0.022793
71	0.045976	0.044942	64025.5	2877.5	10.38	71	0.025575
72	0.050691	0.049438	61148.0	3023.0	9.85	72	0.027678
73	0.055315	0.053827	58125.0	3128.7	9.33	73	0.030828
74	0.060855	0.059058	54996.3	3248.0	8.84	74	0.033850
75	0.066539	0.064397	51748.4	3332.4	8.36	75	0.037190
76	0.072980	0.070411	48415.9	3409.0	7.90	76	0.041423
77	0.080297	0.077198	45006.9	3474.4	7.46	77	0.045914
78	0.087553	0.083881	41532.5	3483.8	7.04	78	0.050574
79	0.097100	0.092604	38048.7	3523.5	6.64	79	0.057125
80	0.106126	0.100779	34525.3	3479.4	6.27	80	0.063474
81	0.114805	0.108573	31045.8	3370.7	5.92	81	0.070641
82	0.124757	0.117432	27675.1	3249.9	5.58	82	0.079205
83	0.136741	0.127990	24425.2	3126.2	5.25	83	0.088239
84	0.148892	0.138575	21299.0	2951.5	4.95	84	0.097074
85	0.162483	0.150274	18347.5	2757.2	4.66	85	0.108547
86	0.176613	0.162282	15590.3	2530.0	4.40	86	0.121036
87	0.190773	0.174161	13060.3	2274.6	4.16	87	0.134245
88	0.203825	0.184974	10785.7	1995.1	3.93	88	0.147963
89	0.223328	0.200895	8790.6	1766.0	3.71	89	0.167413
90	0.228022	0.204685	7024.6	1437.8	3.51	90	0.178320
91	0.248176	0.220780	5586.8	1233.5	3.29	91	0.198182
92	0.273803	0.240832	4353.3	1048.4	3.08	92	0.221237
93	0.297324	0.258844	3304.9	855.5	2.90	93	0.242199
94	0.319154	0.275233	2449.5	674.2	2.73	94	0.260687
95	0.334477	0.286554	1775.3	508.7	2.58	95	0.285929
96	0.371200	0.313091	1266.6	396.6	2.42	96	0.313345
97	0.404264	0.336289	870.0	292.6	2.29	97	0.336604
98	0.414696	0.343477	577.4	198.3	2.20	98	0.346434
99	0.452381	0.368932	379.1	139.9	2.09	99	0.394366
100	0.47387	0.38310	239.2	91.7	2.02	100	0.42825

ears 1988-1990

s, Females

qx	lx	dx	ex
0.007360	100000.0	736.0	78.44
0.000591	99264.0	58.7	78.02
0.000340	99205.3	33.7	77.06
0.000285	99171.6	28.3	76.09
0.000222	99143.4	22.0	75.11
0.000170	99121.4	16.8	74.13
0.000159	99104.5	15.8	73.14
0.000154	99088.8	15.2	72.15
0.000135	99073.5	13.4	71.16
0.000129	99060.1	12.8	70.17
0.000119	99047.3	11.8	69.18
0.000147	99035.5	14.5	68.19
0.000156	99021.0	15.5	67.20
0.000158	99005.5	15.6	66.21
0.000203	98989.9	20.1	65.22
0.000240	98969.9	23.8	64.23
0.000281	98946.1	27.8	63.25
0.000308	98918.3	30.5	62.26
0.000327	98887.8	32.4	61.28
0.000323	98855.4	31.9	60.30
0.000304	98823.5	30.0	59.32
0.000336	98793.5	33.2	58.34
0.000294	98760.3	29.0	57.36
0.000312	98731.3	30.8	56.38
0.000326	98700.5	32.2	55.39
0.000333	98668.3	32.8	54.41
0.000337	98635.5	33.3	53.43
0.000359	98602.3	35.3	52.45
0.000392	98566.9	38.7	51.47
0.000411	98528.2	40.5	50.49
0.000433	98487.8	42.7	49.51
0.000531	98445.1	52.3	48.53
0.000537	98392.9	52.9	47.55
0.000565	98340.0	55.6	46.58
0.000671	98284.5	65.9	45.60
0.000732	98218.5	71.9	44.63
0.000785	98146.6	77.1	43.67
0.000885	98069.6	86.7	42.70
0.000928	97982.8	90.9	41.74
0.000999	97891.9	97.8	40.78
0.001091	97794.1	106.7	39.82
0.001263	97687.4	123.4	38.86
0.001386	97564.0	135.2	37.91
0.001489	97428.9	145.0	36.96
0.001691	97283.8	164.5	36.01
0.001843	97119.3	179.0	35.08
0.001970	96940.3	191.0	34.14
0.002306	96749.3	223.1	33.21
0.002662	96526.2	256.9	32.28
0.002733	96269.3	263.1	31.37

0.003100	96006.1	297.6	30.45
0.003397	95708.6	325.1	29.54
0.003689	95383.4	351.8	28.64
0.004066	95031.6	386.4	27.75
0.004403	94645.2	416.7	26.86
0.005141	94228.5	484.4	25.97
0.005733	93744.1	537.4	25.11
0.006410	93206.7	597.4	24.25
0.006809	92609.3	630.6	23.40
0.007859	91978.7	722.9	22.56
0.008698	91255.8	793.8	21.73
0.009730	90462.1	880.2	20.92
0.010834	89581.9	970.5	20.12
0.012040	88611.4	1066.9	19.33
0.013307	87544.5	1164.9	18.56
0.014457	86379.6	1248.8	17.81
0.015669	85130.8	1334.0	17.06
0.017304	83796.8	1450.0	16.33
0.018428	82346.8	1517.4	15.60
0.020701	80829.4	1673.2	14.89
0.022536	79156.1	1783.9	14.19
0.025252	77372.3	1953.8	13.51
0.027301	75418.5	2059.0	12.84
0.030360	73359.5	2227.2	12.19
0.033286	71132.3	2367.7	11.56
0.036511	68764.6	2510.6	10.94
0.040582	66253.9	2688.7	10.33
0.044884	63565.2	2853.0	9.75
0.049327	60712.1	2994.7	9.18
0.055539	57717.4	3205.5	8.63
0.061521	54511.9	3353.6	8.11
0.068231	51158.2	3490.6	7.61
0.076188	47667.6	3631.7	7.13
0.084511	44035.9	3721.5	6.68
0.092580	40314.4	3732.3	6.25
0.102959	36582.1	3766.5	5.84
0.114129	32815.7	3745.2	5.45
0.125801	29070.4	3657.1	5.09
0.137771	25413.3	3501.2	4.75
0.154482	21912.1	3385.0	4.42
0.163722	18527.1	3033.3	4.14
0.180314	15493.8	2793.8	3.86
0.199202	12700.1	2529.9	3.59
0.216037	10170.2	2197.1	3.36
0.230627	7973.0	1838.8	3.15
0.250164	6134.3	1534.6	2.95
0.270902	4599.7	1246.1	2.76
0.288114	3353.6	966.2	2.60
0.295286	2387.4	705.0	2.45
0.329412	1682.4	554.2	2.27
0.35273	1128.2	398	2.14

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.010188	0.010136	100000.0	1013.6	72.65
1	0.000719	0.000719	98986.4	71.1	72.39
2	0.000454	0.000454	98915.2	44.9	71.44
3	0.000330	0.000330	98870.3	32.6	70.47
4	0.000263	0.000263	98837.7	26.0	69.50
5	0.000249	0.000249	98811.7	24.6	68.52
6	0.000222	0.000222	98787.1	22.0	67.53
7	0.000215	0.000215	98765.1	21.3	66.55
8	0.000224	0.000224	98743.8	22.1	65.56
9	0.000190	0.000190	98721.7	18.8	64.58
10	0.000199	0.000199	98703.0	19.6	63.59
11	0.000211	0.000211	98683.3	20.9	62.60
12	0.000220	0.000220	98662.5	21.7	61.61
13	0.000293	0.000293	98640.8	28.9	60.63
14	0.000317	0.000317	98611.9	31.2	59.65
15	0.000383	0.000383	98580.6	37.7	58.66
16	0.000518	0.000517	98542.9	51.0	57.69
17	0.000817	0.000817	98491.9	80.5	56.72
18	0.000872	0.000872	98411.5	85.8	55.76
19	0.000903	0.000902	98325.7	88.7	54.81
20	0.000889	0.000888	98236.9	87.3	53.86
21	0.000899	0.000899	98149.7	88.2	52.91
22	0.000856	0.000855	98061.4	83.9	51.95
23	0.000843	0.000843	97977.6	82.6	51.00
24	0.000838	0.000838	97895.0	82.0	50.04
25	0.000821	0.000820	97813.0	80.2	49.08
26	0.000804	0.000804	97732.7	78.6	48.12
27	0.000818	0.000818	97654.2	79.9	47.16
28	0.000840	0.000840	97574.3	82.0	46.20
29	0.000810	0.000810	97492.3	78.9	45.24
30	0.000911	0.000910	97413.4	88.7	44.27
31	0.000938	0.000938	97324.8	91.3	43.31
32	0.000978	0.000978	97233.5	95.1	42.35
33	0.001109	0.001109	97138.4	107.7	41.39
34	0.001095	0.001094	97030.7	106.2	40.44
35	0.001151	0.001150	96924.5	111.5	39.48
36	0.001280	0.001279	96813.0	123.9	38.53
37	0.001298	0.001297	96689.1	125.4	37.58
38	0.001397	0.001396	96563.7	134.8	36.62
39	0.001515	0.001514	96428.9	146.0	35.68
40	0.001581	0.001580	96282.9	152.1	34.73
41	0.001813	0.001811	96130.8	174.1	33.78
42	0.001992	0.001990	95956.7	190.9	32.84
43	0.002280	0.002277	95765.8	218.1	31.91
44	0.002554	0.002551	95547.7	243.7	30.98
45	0.002832	0.002828	95304.0	269.5	30.06
46	0.003249	0.003244	95034.4	308.3	29.14
47	0.003694	0.003687	94726.1	349.2	28.23
48	0.003986	0.003978	94376.9	375.5	27.34
49	0.004407	0.004397	94001.4	413.4	26.44

National life table

age	mx
0	0.007732
1	0.000608
2	0.000379
3	0.000295
4	0.000236
5	0.000187
6	0.000167
7	0.000157
8	0.000127
9	0.000137
10	0.000127
11	0.000134
12	0.000153
13	0.000170
14	0.000208
15	0.000231
16	0.000252
17	0.000310
18	0.000350
19	0.000322
20	0.000318
21	0.000319
22	0.000278
23	0.000323
24	0.000336
25	0.000340
26	0.000325
27	0.000352
28	0.000387
29	0.000430
30	0.000447
31	0.000554
32	0.000555
33	0.000600
34	0.000700
35	0.000727
36	0.000789
37	0.000904
38	0.000903
39	0.001009
40	0.001129
41	0.001254
42	0.001365
43	0.001590
44	0.001681
45	0.001887
46	0.002106
47	0.002371
48	0.002691
49	0.002766

50	0.005035	0.005022	93588.1	470.0	25.56	50	0.003147
51	0.005463	0.005449	93118.0	507.4	24.69	51	0.003460
52	0.006041	0.006023	92610.7	557.8	23.82	52	0.003877
53	0.006931	0.006907	92052.9	635.9	22.96	53	0.004236
54	0.007841	0.007810	91417.0	714.0	22.12	54	0.004626
55	0.008679	0.008641	90703.0	783.8	21.29	55	0.005274
56	0.009918	0.009869	89919.2	887.4	20.47	56	0.005933
57	0.011219	0.011156	89031.8	993.3	19.67	57	0.006427
58	0.012328	0.012253	88038.5	1078.7	18.88	58	0.007072
59	0.013924	0.013828	86959.8	1202.5	18.11	59	0.008115
60	0.015589	0.015468	85757.3	1326.5	17.36	60	0.009028
61	0.017910	0.017751	84430.8	1498.7	16.62	61	0.010099
62	0.019575	0.019385	82932.1	1607.7	15.91	62	0.011180
63	0.021450	0.021223	81324.4	1725.9	15.22	63	0.012324
64	0.024321	0.024029	79598.5	1912.7	14.54	64	0.013414
65	0.026597	0.026248	77685.8	2039.1	13.88	65	0.014774
66	0.029281	0.028858	75646.7	2183.0	13.24	66	0.015935
67	0.031847	0.031348	73463.7	2302.9	12.62	67	0.017301
68	0.034661	0.034071	71160.7	2424.5	12.01	68	0.018918
69	0.038546	0.037818	68736.2	2599.4	11.42	69	0.021119
70	0.043342	0.042423	66136.8	2805.7	10.85	70	0.023550
71	0.046443	0.045389	63331.1	2874.6	10.31	71	0.025782
72	0.051443	0.050153	60456.5	3032.1	9.77	72	0.027838
73	0.056507	0.054955	57424.4	3155.7	9.26	73	0.030933
74	0.061873	0.060016	54268.7	3257.0	8.77	74	0.034370
75	0.067896	0.065666	51011.7	3349.8	8.30	75	0.037706
76	0.074696	0.072006	47662.0	3432.0	7.85	76	0.042218
77	0.081995	0.078765	44230.0	3483.8	7.42	77	0.046297
78	0.088669	0.084905	40746.2	3459.5	7.01	78	0.051272
79	0.097778	0.093221	37286.7	3475.9	6.62	79	0.057877
80	0.107673	0.102172	33810.8	3454.5	6.25	80	0.064444
81	0.116589	0.110167	30356.3	3344.2	5.90	81	0.071436
82	0.125678	0.118248	27012.0	3194.1	5.57	82	0.080316
83	0.138664	0.129673	23817.9	3088.5	5.25	83	0.088980
84	0.148578	0.138303	20729.3	2866.9	4.95	84	0.098792
85	0.164035	0.151601	17862.4	2708.0	4.67	85	0.109608
86	0.177046	0.162648	15154.5	2464.8	4.41	86	0.123153
87	0.191617	0.174864	12689.6	2219.0	4.17	87	0.136269
88	0.205525	0.186373	10470.7	1951.5	3.95	88	0.149411
89	0.223944	0.201394	8519.2	1715.7	3.74	89	0.168007
90	0.226673	0.203598	6803.5	1385.2	3.56	90	0.180126
91	0.245207	0.218427	5418.3	1183.5	3.34	91	0.197906
92	0.266478	0.235148	4234.8	995.8	3.14	92	0.223081
93	0.293895	0.256241	3239.0	830.0	2.95	93	0.242427
94	0.312202	0.270047	2409.0	650.6	2.80	94	0.263170
95	0.328402	0.282084	1758.5	496.0	2.64	95	0.280713
96	0.367009	0.310103	1262.4	391.5	2.49	96	0.313496
97	0.377505	0.317564	871.0	276.6	2.38	97	0.333117
98	0.419793	0.346966	594.4	206.2	2.25	98	0.349131
99	0.409474	0.339886	388.1	131.9	2.19	99	0.377843
100	0.45730	0.37219	256.2	95.4	2.05	100	0.43252

ears 1987-1989

s, Females

qx	lx	dx	ex
0.007703	100000.0	770.3	78.26
0.000608	99229.7	60.3	77.86
0.000379	99169.4	37.6	76.91
0.000295	99131.8	29.3	75.94
0.000236	99102.6	23.4	74.96
0.000187	99079.2	18.5	73.98
0.000166	99060.6	16.5	72.99
0.000157	99044.2	15.6	72.00
0.000127	99028.6	12.6	71.01
0.000137	99016.0	13.5	70.02
0.000127	99002.4	12.6	69.03
0.000134	98989.8	13.2	68.04
0.000153	98976.6	15.1	67.05
0.000170	98961.5	16.8	66.06
0.000208	98944.7	20.6	65.07
0.000231	98924.1	22.9	64.09
0.000252	98901.2	24.9	63.10
0.000310	98876.3	30.7	62.12
0.000350	98845.6	34.6	61.14
0.000322	98811.0	31.8	60.16
0.000318	98779.2	31.4	59.18
0.000319	98747.8	31.5	58.19
0.000278	98716.3	27.5	57.21
0.000323	98688.8	31.9	56.23
0.000336	98656.9	33.2	55.25
0.000340	98623.7	33.5	54.27
0.000325	98590.2	32.0	53.28
0.000352	98558.2	34.7	52.30
0.000387	98523.5	38.2	51.32
0.000429	98485.4	42.3	50.34
0.000447	98443.1	44.0	49.36
0.000554	98399.1	54.5	48.38
0.000555	98344.5	54.5	47.41
0.000600	98290.0	58.9	46.43
0.000700	98231.1	68.8	45.46
0.000727	98162.3	71.3	44.49
0.000788	98091.0	77.3	43.53
0.000903	98013.6	88.5	42.56
0.000902	97925.1	88.4	41.60
0.001009	97836.7	98.7	40.63
0.001129	97738.0	110.3	39.68
0.001253	97627.7	122.3	38.72
0.001365	97505.4	133.0	37.77
0.001589	97372.3	154.7	36.82
0.001679	97217.6	163.3	35.88
0.001885	97054.3	183.0	34.94
0.002104	96871.4	203.8	34.00
0.002368	96667.5	229.0	33.07
0.002688	96438.6	259.2	32.15
0.002762	96179.4	265.7	31.23

0.003142	95913.7	301.4	30.32
0.003454	95612.3	330.3	29.41
0.003870	95282.1	368.7	28.51
0.004227	94913.4	401.2	27.62
0.004615	94512.2	436.2	26.74
0.005260	94075.9	494.9	25.86
0.005916	93581.1	553.6	24.99
0.006406	93027.5	596.0	24.14
0.007047	92431.5	651.4	23.29
0.008083	91780.1	741.8	22.45
0.008988	91038.3	818.2	21.63
0.010048	90220.1	906.5	20.82
0.011117	89313.6	992.9	20.03
0.012248	88320.6	1081.8	19.25
0.013325	87238.9	1162.5	18.48
0.014666	86076.4	1262.4	17.72
0.015809	84814.0	1340.8	16.98
0.017153	83473.2	1431.8	16.25
0.018741	82041.4	1537.5	15.52
0.020898	80503.8	1682.4	14.81
0.023276	78821.5	1834.6	14.11
0.025454	76986.8	1959.6	13.44
0.027456	75027.2	2060.0	12.77
0.030462	72967.2	2222.7	12.12
0.033790	70744.5	2390.4	11.49
0.037008	68354.1	2529.7	10.87
0.041346	65824.4	2721.6	10.27
0.045249	63102.9	2855.4	9.69
0.049991	60247.5	3011.8	9.13
0.056249	57235.7	3219.5	8.58
0.062432	54016.2	3372.3	8.06
0.068973	50643.9	3493.0	7.57
0.077215	47150.9	3640.7	7.09
0.085190	43510.1	3706.6	6.64
0.094141	39803.5	3747.2	6.21
0.103913	36056.3	3746.7	5.81
0.116010	32309.6	3748.2	5.42
0.127577	28561.4	3643.8	5.07
0.139025	24917.6	3464.2	4.73
0.154988	21453.4	3325.0	4.42
0.165244	18128.4	2995.6	4.14
0.180086	15132.8	2725.2	3.86
0.200696	12407.6	2490.2	3.59
0.216218	9917.5	2144.3	3.37
0.232567	7773.1	1807.8	3.16
0.246162	5965.3	1468.4	2.97
0.271015	4496.9	1218.7	2.77
0.285555	3278.2	936.1	2.62
0.297243	2342.1	696.2	2.47
0.317803	1645.9	523.1	2.30
0.35562	1122.8	399.3	2.14

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.010648	0.010592	100000.0	1059.2	72.39
1	0.000713	0.000713	98940.8	70.5	72.17
2	0.000445	0.000445	98870.3	44.0	71.22
3	0.000335	0.000335	98826.3	33.1	70.25
4	0.000265	0.000265	98793.2	26.1	69.27
5	0.000240	0.000240	98767.0	23.7	68.29
6	0.000220	0.000220	98743.3	21.7	67.31
7	0.000204	0.000204	98721.6	20.2	66.32
8	0.000226	0.000226	98701.4	22.3	65.33
9	0.000182	0.000182	98679.1	18.0	64.35
10	0.000191	0.000191	98661.1	18.9	63.36
11	0.000222	0.000222	98642.2	21.9	62.37
12	0.000208	0.000208	98620.3	20.5	61.39
13	0.000305	0.000305	98599.8	30.1	60.40
14	0.000321	0.000321	98569.7	31.6	59.42
15	0.000402	0.000402	98538.0	39.6	58.44
16	0.000511	0.000511	98498.5	50.4	57.46
17	0.000798	0.000798	98448.1	78.5	56.49
18	0.000906	0.000905	98369.6	89.0	55.53
19	0.000887	0.000887	98280.5	87.1	54.58
20	0.000896	0.000896	98193.4	88.0	53.63
21	0.000891	0.000891	98105.4	87.4	52.68
22	0.000850	0.000850	98018.0	83.3	51.73
23	0.000840	0.000839	97934.7	82.2	50.77
24	0.000782	0.000782	97852.5	76.5	49.81
25	0.000772	0.000772	97776.0	75.5	48.85
26	0.000810	0.000809	97700.6	79.1	47.89
27	0.000823	0.000823	97621.5	80.3	46.93
28	0.000829	0.000829	97541.2	80.8	45.96
29	0.000787	0.000786	97460.3	76.6	45.00
30	0.000905	0.000904	97383.7	88.1	44.04
31	0.000916	0.000916	97295.6	89.1	43.08
32	0.001010	0.001009	97206.5	98.1	42.12
33	0.001055	0.001054	97108.4	102.4	41.16
34	0.001113	0.001112	97006.0	107.9	40.20
35	0.001100	0.001099	96898.1	106.5	39.24
36	0.001228	0.001227	96791.6	118.8	38.29
37	0.001295	0.001294	96672.8	125.1	37.33
38	0.001375	0.001374	96547.8	132.7	36.38
39	0.001462	0.001461	96415.1	140.8	35.43
40	0.001616	0.001615	96274.3	155.5	34.48
41	0.001867	0.001865	96118.8	179.3	33.54
42	0.002049	0.002047	95939.5	196.4	32.60
43	0.002329	0.002327	95743.1	222.8	31.66
44	0.002559	0.002556	95520.4	244.1	30.74
45	0.002930	0.002925	95276.3	278.7	29.81
46	0.003369	0.003363	94997.5	319.5	28.90
47	0.003740	0.003733	94678.0	353.5	28.00
48	0.004027	0.004018	94324.6	379.0	27.10
49	0.004513	0.004503	93945.5	423.1	26.21

National life table

age	mx
0	0.008003
1	0.000647
2	0.000383
3	0.000290
4	0.000245
5	0.000174
6	0.000178
7	0.000164
8	0.000132
9	0.000149
10	0.000139
11	0.000151
12	0.000158
13	0.000178
14	0.000197
15	0.000242
16	0.000243
17	0.000307
18	0.000344
19	0.000314
20	0.000338
21	0.000300
22	0.000299
23	0.000338
24	0.000321
25	0.000335
26	0.000351
27	0.000368
28	0.000375
29	0.000422
30	0.000480
31	0.000550
32	0.000568
33	0.000591
34	0.000710
35	0.000724
36	0.000752
37	0.000884
38	0.000926
39	0.001028
40	0.001179
41	0.001272
42	0.001416
43	0.001573
44	0.001669
45	0.001995
46	0.002248
47	0.002399
48	0.002633
49	0.002854

50	0.005202	0.005189	93522.5	485.3	25.32	50	0.003220
51	0.005709	0.005692	93037.2	529.6	24.45	51	0.003498
52	0.006291	0.006272	92507.6	580.2	23.59	52	0.003944
53	0.007127	0.007102	91927.4	652.9	22.74	53	0.004434
54	0.008087	0.008054	91274.6	735.2	21.89	54	0.004692
55	0.009041	0.009000	90539.4	814.9	21.07	55	0.005305
56	0.010313	0.010260	89724.6	920.6	20.25	56	0.006027
57	0.011581	0.011514	88804.0	1022.5	19.46	57	0.006382
58	0.012780	0.012699	87781.5	1114.7	18.68	58	0.007471
59	0.014653	0.014546	86666.8	1260.7	17.91	59	0.008291
60	0.016246	0.016115	85406.1	1376.3	17.17	60	0.009148
61	0.018599	0.018428	84029.8	1548.5	16.44	61	0.010259
62	0.020351	0.020146	82481.3	1661.7	15.74	62	0.011326
63	0.022260	0.022015	80819.7	1779.2	15.06	63	0.012479
64	0.024779	0.024476	79040.5	1934.6	14.38	64	0.013495
65	0.027283	0.026916	77105.9	2075.4	13.73	65	0.014805
66	0.029512	0.029083	75030.5	2182.1	13.10	66	0.015891
67	0.032594	0.032071	72848.4	2336.3	12.48	67	0.017389
68	0.035873	0.035241	70512.1	2484.9	11.87	68	0.019217
69	0.040322	0.039525	68027.2	2688.8	11.29	69	0.021840
70	0.043764	0.042827	65338.4	2798.2	10.73	70	0.023178
71	0.047080	0.045997	62540.1	2876.7	10.19	71	0.025836
72	0.053041	0.051671	59663.4	3082.9	9.66	72	0.028237
73	0.058048	0.056411	56580.6	3191.7	9.16	73	0.031341
74	0.063300	0.061358	53388.8	3275.9	8.67	74	0.035107
75	0.069334	0.067011	50113.0	3358.1	8.21	75	0.038375
76	0.077203	0.074333	46754.8	3475.4	7.76	76	0.042583
77	0.084051	0.080661	43279.4	3491.0	7.35	77	0.046990
78	0.090795	0.086852	39788.4	3455.7	6.95	78	0.051957
79	0.099810	0.095066	36332.7	3454.0	6.56	79	0.058851
80	0.109713	0.104008	32878.7	3419.6	6.20	80	0.064803
81	0.118243	0.111642	29459.1	3288.9	5.86	81	0.072709
82	0.127338	0.119716	26170.2	3133.0	5.53	82	0.081384
83	0.139898	0.130752	23037.2	3012.2	5.21	83	0.090324
84	0.151010	0.140408	20025.0	2811.7	4.92	84	0.100371
85	0.165265	0.152651	17213.4	2627.6	4.65	85	0.111841
86	0.181231	0.166173	14585.7	2423.8	4.39	86	0.125571
87	0.192090	0.175257	12162.0	2131.5	4.17	87	0.138737
88	0.205775	0.186578	10030.5	1871.5	3.95	88	0.150815
89	0.222225	0.200000	8159.0	1631.8	3.74	89	0.168472
90	0.229986	0.206267	6527.2	1346.3	3.55	90	0.185041
91	0.246549	0.219491	5180.8	1137.1	3.34	91	0.198435
92	0.266447	0.235123	4043.7	950.8	3.14	92	0.222522
93	0.294711	0.256861	3092.9	794.5	2.95	93	0.245171
94	0.310879	0.269057	2298.5	618.4	2.80	94	0.263573
95	0.337848	0.289024	1680.1	485.6	2.65	95	0.283266
96	0.364184	0.308084	1194.5	368.0	2.52	96	0.313894
97	0.370558	0.312634	826.5	258.4	2.42	97	0.336722
98	0.423957	0.349806	568.1	198.7	2.30	98	0.346964
99	0.391937	0.327715	369.4	121.0	2.27	99	0.372931
100	0.43019	0.35404	248.3	87.9	2.13	100	0.42365

ears 1986-1988

s, Females

qx	lx	dx	ex
0.007971	100000.0	797.1	78.10
0.000647	99202.9	64.1	77.73
0.000383	99138.7	38.0	76.78
0.000290	99100.7	28.7	75.81
0.000245	99072.0	24.3	74.83
0.000174	99047.7	17.2	73.85
0.000178	99030.5	17.6	72.86
0.000164	99012.8	16.2	71.87
0.000132	98996.6	13.1	70.88
0.000149	98983.5	14.7	69.89
0.000139	98968.8	13.8	68.90
0.000151	98955.1	14.9	67.91
0.000158	98940.2	15.6	66.92
0.000178	98924.5	17.6	65.93
0.000197	98907.0	19.5	64.94
0.000242	98887.5	24.0	63.96
0.000243	98863.5	24.0	62.97
0.000307	98839.5	30.3	61.99
0.000344	98809.2	34.0	61.01
0.000314	98775.2	31.0	60.03
0.000338	98744.2	33.4	59.05
0.000300	98710.8	29.6	58.07
0.000299	98681.2	29.5	57.08
0.000337	98651.7	33.3	56.10
0.000321	98618.4	31.7	55.12
0.000334	98586.8	33.0	54.14
0.000351	98553.8	34.6	53.15
0.000368	98519.2	36.3	52.17
0.000375	98483.0	37.0	51.19
0.000422	98446.0	41.5	50.21
0.000480	98404.5	47.2	49.23
0.000550	98357.2	54.1	48.26
0.000567	98303.1	55.8	47.28
0.000591	98247.4	58.1	46.31
0.000709	98189.3	69.7	45.34
0.000724	98119.6	71.0	44.37
0.000752	98048.6	73.7	43.40
0.000884	97974.9	86.6	42.43
0.000925	97888.3	90.6	41.47
0.001027	97797.8	100.5	40.51
0.001179	97697.3	115.1	39.55
0.001271	97582.1	124.1	38.59
0.001415	97458.1	137.9	37.64
0.001571	97320.2	152.9	36.69
0.001667	97167.2	162.0	35.75
0.001993	97005.2	193.4	34.81
0.002245	96811.8	217.4	33.88
0.002396	96594.5	231.4	32.95
0.002629	96363.0	253.4	32.03
0.002849	96109.6	273.9	31.11

0.003215	95835.8	308.1	30.20
0.003492	95527.7	333.6	29.30
0.003936	95194.1	374.7	28.40
0.004424	94819.4	419.5	27.51
0.004682	94399.9	441.9	26.63
0.005291	93958.0	497.1	25.75
0.006009	93460.9	561.6	24.89
0.006362	92899.3	591.0	24.03
0.007444	92308.2	687.1	23.18
0.008257	91621.1	756.5	22.35
0.009107	90864.6	827.5	21.54
0.010207	90037.2	919.0	20.73
0.011262	89118.2	1003.7	19.94
0.012401	88114.5	1092.7	19.16
0.013404	87021.8	1166.5	18.39
0.014696	85855.3	1261.7	17.64
0.015766	84593.6	1333.7	16.89
0.017239	83259.9	1435.3	16.16
0.019034	81824.6	1557.5	15.43
0.021604	80267.1	1734.1	14.72
0.022912	78533.1	1799.4	14.03
0.025507	76733.7	1957.2	13.35
0.027844	74776.5	2082.1	12.69
0.030858	72694.4	2243.2	12.04
0.034502	70451.2	2430.7	11.40
0.037652	68020.5	2561.1	10.79
0.041695	65459.4	2729.3	10.20
0.045912	62730.0	2880.0	9.62
0.050642	59850.0	3030.9	9.06
0.057169	56819.1	3248.3	8.51
0.062770	53570.8	3362.6	8.00
0.070159	50208.2	3522.5	7.50
0.078201	46685.6	3650.9	7.03
0.086421	43034.8	3719.1	6.58
0.095575	39315.6	3757.6	6.16
0.105918	35558.1	3766.2	5.76
0.118153	31791.8	3756.3	5.38
0.129737	28035.5	3637.3	5.03
0.140240	24398.3	3421.6	4.71
0.155383	20976.7	3259.4	4.40
0.169371	17717.3	3000.8	4.11
0.180524	14716.5	2656.7	3.85
0.200243	12059.8	2414.9	3.59
0.218399	9644.9	2106.4	3.36
0.232882	7538.5	1755.6	3.16
0.248123	5782.9	1434.9	2.97
0.271312	4348.0	1179.7	2.79
0.288200	3168.4	913.1	2.64
0.295671	2255.2	666.8	2.51
0.314321	1588.4	499.3	2.35
0.34960	1089.2	380.8	2.2

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.010657	0.010600	100000.0	1060.0	72.15
1	0.000724	0.000724	98940.0	71.6	71.92
2	0.000473	0.000473	98868.4	46.8	70.97
3	0.000353	0.000353	98821.6	34.9	70.00
4	0.000282	0.000282	98786.7	27.9	69.03
5	0.000251	0.000251	98758.8	24.8	68.05
6	0.000204	0.000204	98734.1	20.1	67.06
7	0.000215	0.000215	98714.0	21.3	66.08
8	0.000197	0.000197	98692.7	19.4	65.09
9	0.000167	0.000167	98673.3	16.5	64.11
10	0.000192	0.000192	98656.8	18.9	63.12
11	0.000249	0.000249	98637.8	24.6	62.13
12	0.000226	0.000226	98613.2	22.3	61.14
13	0.000294	0.000294	98590.9	29.0	60.16
14	0.000334	0.000334	98562.0	32.9	59.17
15	0.000409	0.000409	98529.0	40.3	58.19
16	0.000523	0.000523	98488.7	51.5	57.22
17	0.000784	0.000784	98437.2	77.1	56.25
18	0.000906	0.000906	98360.1	89.1	55.29
19	0.000884	0.000883	98271.0	86.8	54.34
20	0.000896	0.000895	98184.2	87.9	53.39
21	0.000903	0.000903	98096.3	88.5	52.44
22	0.000836	0.000836	98007.7	81.9	51.48
23	0.000796	0.000795	97925.8	77.9	50.53
24	0.000756	0.000756	97847.9	73.9	49.57
25	0.000750	0.000749	97774.0	73.3	48.60
26	0.000796	0.000796	97700.7	77.7	47.64
27	0.000809	0.000808	97623.0	78.9	46.68
28	0.000824	0.000824	97544.1	80.3	45.71
29	0.000772	0.000771	97463.8	75.2	44.75
30	0.000894	0.000893	97388.6	87.0	43.78
31	0.000900	0.000900	97301.6	87.6	42.82
32	0.000984	0.000984	97214.0	95.6	41.86
33	0.000996	0.000995	97118.4	96.6	40.90
34	0.001062	0.001061	97021.7	103.0	39.94
35	0.001097	0.001097	96918.7	106.3	38.98
36	0.001235	0.001234	96812.4	119.5	38.03
37	0.001304	0.001303	96692.9	126.0	37.07
38	0.001313	0.001312	96566.9	126.7	36.12
39	0.001489	0.001488	96440.2	143.5	35.17
40	0.001709	0.001708	96296.7	164.4	34.22
41	0.001905	0.001904	96132.3	183.0	33.28
42	0.002118	0.002115	95949.3	203.0	32.34
43	0.002362	0.002359	95746.3	225.9	31.41
44	0.002603	0.002599	95520.4	248.3	30.48
45	0.003063	0.003058	95272.2	291.3	29.56
46	0.003478	0.003472	94980.8	329.7	28.65
47	0.003719	0.003712	94651.1	351.3	27.75
48	0.004070	0.004062	94299.7	383.0	26.85
49	0.004551	0.004541	93916.7	426.5	25.95

National life table

age	mx
0	0.008152
1	0.000698
2	0.000371
3	0.000274
4	0.000236
5	0.000179
6	0.000191
7	0.000153
8	0.000135
9	0.000189
10	0.000151
11	0.000159
12	0.000178
13	0.000186
14	0.000197
15	0.000222
16	0.000244
17	0.000316
18	0.000326
19	0.000311
20	0.000326
21	0.000295
22	0.000309
23	0.000340
24	0.000314
25	0.000328
26	0.000367
27	0.000345
28	0.000398
29	0.000427
30	0.000512
31	0.000533
32	0.000557
33	0.000610
34	0.000660
35	0.000729
36	0.000780
37	0.000837
38	0.000917
39	0.001056
40	0.001199
41	0.001241
42	0.001403
43	0.001581
44	0.001743
45	0.002040
46	0.002193
47	0.002439
48	0.002642
49	0.003016

50	0.005255	0.005241	93490.3	490.0	25.07	50	0.003308
51	0.005908	0.005891	93000.3	547.8	24.20	51	0.003562
52	0.006560	0.006538	92452.5	604.5	23.34	52	0.004164
53	0.007370	0.007343	91848.0	674.4	22.49	53	0.004493
54	0.008400	0.008365	91173.5	762.7	21.65	54	0.004920
55	0.009231	0.009189	90410.8	830.8	20.83	55	0.005499
56	0.010673	0.010616	89580.1	951.0	20.02	56	0.006285
57	0.011928	0.011857	88629.1	1050.9	19.23	57	0.006552
58	0.013449	0.013359	87578.2	1170.0	18.45	58	0.007695
59	0.015152	0.015038	86408.2	1299.4	17.70	59	0.008462
60	0.016849	0.016708	85108.8	1422.0	16.96	60	0.009532
61	0.019075	0.018895	83686.8	1581.2	16.24	61	0.010427
62	0.020877	0.020662	82105.6	1696.4	15.54	62	0.011563
63	0.022709	0.022454	80409.1	1805.5	14.86	63	0.012591
64	0.025398	0.025079	78603.6	1971.3	14.19	64	0.013755
65	0.027712	0.027333	76632.3	2094.6	13.54	65	0.014835
66	0.029931	0.029490	74537.7	2198.1	12.91	66	0.016091
67	0.033286	0.032741	72339.6	2368.5	12.29	67	0.017787
68	0.037686	0.036989	69971.1	2588.1	11.68	68	0.019643
69	0.040858	0.040040	67383.0	2698.0	11.11	69	0.021783
70	0.044881	0.043896	64684.9	2839.4	10.56	70	0.023629
71	0.048799	0.047637	61845.5	2946.1	10.02	71	0.025899
72	0.054137	0.052711	58899.4	3104.6	9.49	72	0.029234
73	0.059025	0.057333	55794.8	3198.9	9.00	73	0.031955
74	0.064849	0.062812	52595.9	3303.7	8.51	74	0.035501
75	0.071510	0.069041	49292.2	3403.2	8.05	75	0.039693
76	0.080083	0.077000	45889.0	3533.4	7.61	76	0.043481
77	0.086192	0.082631	42355.6	3499.9	7.20	77	0.047865
78	0.093004	0.088871	38855.7	3453.2	6.81	78	0.053227
79	0.102861	0.097829	35402.5	3463.4	6.42	79	0.060163
80	0.112189	0.106230	31939.1	3392.9	6.06	80	0.067032
81	0.120984	0.114083	28546.2	3256.6	5.72	81	0.074549
82	0.131579	0.123457	25289.6	3122.2	5.40	82	0.082868
83	0.145216	0.135386	22167.4	3001.2	5.09	83	0.092561
84	0.156333	0.144999	19166.3	2779.1	4.80	84	0.103716
85	0.171216	0.157714	16387.2	2584.5	4.53	85	0.115130
86	0.186788	0.170833	13802.7	2358.0	4.29	86	0.129704
87	0.194275	0.177075	11444.7	2026.6	4.07	87	0.142205
88	0.211869	0.191575	9418.2	1804.3	3.84	88	0.154811
89	0.226608	0.203546	7613.9	1549.8	3.63	89	0.172650
90	0.240624	0.214783	6064.1	1302.5	3.43	90	0.191536
91	0.260204	0.230248	4761.6	1096.4	3.23	91	0.202383
92	0.278522	0.244476	3665.3	896.1	3.05	92	0.228937
93	0.302620	0.262848	2769.2	727.9	2.87	93	0.252925
94	0.327888	0.281704	2041.3	575.0	2.72	94	0.269251
95	0.347531	0.296082	1466.3	434.1	2.59	95	0.290553
96	0.378632	0.318361	1032.1	328.6	2.46	96	0.322064
97	0.388324	0.325185	703.5	228.8	2.38	97	0.335268
98	0.426099	0.351263	474.8	166.8	2.29	98	0.354194
99	0.394673	0.329626	308.0	101.5	2.26	99	0.377082
100	0.44779	0.36587	206.5	75.5	2.12	100	0.42608

ears 1985-1987

s, Females

qx	lx	dx	ex
0.008118	100000.0	811.8	77.88
0.000697	99188.2	69.2	77.51
0.000371	99119.0	36.8	76.57
0.000274	99082.2	27.1	75.60
0.000236	99055.1	23.4	74.62
0.000179	99031.6	17.7	73.63
0.000191	99014.0	18.9	72.65
0.000153	98995.1	15.1	71.66
0.000135	98980.0	13.4	70.67
0.000189	98966.6	18.7	69.68
0.000151	98947.9	15.0	68.69
0.000159	98932.9	15.8	67.70
0.000178	98917.2	17.6	66.72
0.000186	98899.5	18.4	65.73
0.000197	98881.2	19.5	64.74
0.000222	98861.7	22.0	63.75
0.000244	98839.7	24.2	62.77
0.000316	98815.5	31.3	61.78
0.000326	98784.3	32.2	60.80
0.000311	98752.1	30.7	59.82
0.000326	98721.4	32.2	58.84
0.000295	98689.2	29.1	57.86
0.000309	98660.1	30.5	56.87
0.000339	98629.6	33.5	55.89
0.000314	98596.1	31.0	54.91
0.000328	98565.1	32.3	53.93
0.000367	98532.8	36.1	52.95
0.000345	98496.6	34.0	51.96
0.000398	98462.6	39.2	50.98
0.000427	98423.4	42.1	50.00
0.000512	98381.4	50.4	49.02
0.000533	98331.0	52.4	48.05
0.000557	98278.6	54.8	47.07
0.000610	98223.8	59.9	46.10
0.000660	98164.0	64.8	45.13
0.000728	98099.2	71.4	44.16
0.000780	98027.7	76.4	43.19
0.000837	97951.3	82.0	42.22
0.000916	97869.3	89.7	41.26
0.001055	97779.6	103.2	40.29
0.001198	97676.5	117.0	39.34
0.001240	97559.5	121.0	38.38
0.001402	97438.5	136.6	37.43
0.001580	97301.9	153.7	36.48
0.001741	97148.2	169.2	35.54
0.002038	96979.0	197.7	34.60
0.002191	96781.3	212.0	33.67
0.002436	96569.3	235.3	32.74
0.002639	96334.0	254.2	31.82
0.003011	96079.8	289.3	30.90

0.003302	95790.5	316.3	30.00
0.003556	95474.2	339.5	29.09
0.004155	95134.7	395.3	28.20
0.004483	94739.4	424.8	27.31
0.004908	94314.6	462.9	26.43
0.005484	93851.7	514.7	25.56
0.006265	93337.0	584.7	24.70
0.006531	92752.3	605.8	23.85
0.007665	92146.5	706.3	23.00
0.008426	91440.2	770.5	22.18
0.009487	90669.7	860.2	21.36
0.010373	89809.5	931.6	20.56
0.011497	88878.0	1021.8	19.77
0.012512	87856.1	1099.3	19.00
0.013661	86756.9	1185.2	18.23
0.014726	85571.7	1260.1	17.48
0.015963	84311.6	1345.9	16.73
0.017631	82965.7	1462.7	15.99
0.019452	81503.0	1585.4	15.27
0.021549	79917.6	1722.1	14.56
0.023354	78195.4	1826.1	13.87
0.025568	76369.3	1952.6	13.19
0.028813	74416.7	2144.1	12.53
0.031453	72272.6	2273.2	11.88
0.034881	69999.4	2441.7	11.25
0.038921	67557.7	2629.4	10.64
0.042556	64928.3	2763.1	10.05
0.046746	62165.2	2906.0	9.48
0.051847	59259.2	3072.4	8.92
0.058406	56186.8	3281.6	8.38
0.064859	52905.2	3431.4	7.87
0.071870	49473.8	3555.7	7.38
0.079571	45918.2	3653.8	6.91
0.088466	42264.4	3739.0	6.46
0.098602	38525.4	3798.7	6.04
0.108863	34726.7	3780.5	5.65
0.121805	30946.3	3769.4	5.28
0.132765	27176.9	3608.1	4.94
0.143689	23568.7	3386.6	4.62
0.158931	20182.2	3207.6	4.31
0.174796	16974.6	2967.1	4.03
0.183785	14007.5	2574.4	3.78
0.205423	11433.1	2348.6	3.52
0.224530	9084.5	2039.7	3.30
0.237304	7044.8	1671.7	3.12
0.253697	5373.0	1363.1	2.93
0.277395	4009.9	1112.3	2.76
0.287134	2897.6	832.0	2.62
0.300905	2065.6	621.5	2.48
0.317264	1444.0	458.1	2.33
0.35125	985.9	346.3	2.18

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.010730	0.010673	100000.0	1067.3	71.97
1	0.000764	0.000764	98932.7	75.6	71.74
2	0.000465	0.000465	98857.2	46.0	70.80
3	0.000391	0.000390	98811.2	38.6	69.83
4	0.000265	0.000265	98772.6	26.2	68.86
5	0.000251	0.000251	98746.4	24.8	67.88
6	0.000208	0.000208	98721.6	20.5	66.89
7	0.000240	0.000240	98701.1	23.7	65.91
8	0.000209	0.000209	98677.4	20.6	64.92
9	0.000185	0.000185	98656.8	18.3	63.94
10	0.000223	0.000223	98638.5	22.0	62.95
11	0.000253	0.000253	98616.5	24.9	61.96
12	0.000238	0.000238	98591.6	23.5	60.98
13	0.000271	0.000271	98568.2	26.7	59.99
14	0.000341	0.000341	98541.5	33.6	59.01
15	0.000425	0.000425	98507.9	41.9	58.03
16	0.000538	0.000538	98466.0	53.0	57.05
17	0.000791	0.000791	98413.0	77.8	56.08
18	0.000889	0.000889	98335.2	87.4	55.13
19	0.000887	0.000887	98247.8	87.1	54.18
20	0.000915	0.000914	98160.7	89.7	53.22
21	0.000865	0.000865	98071.0	84.8	52.27
22	0.000830	0.000830	97986.1	81.3	51.32
23	0.000795	0.000795	97904.8	77.8	50.36
24	0.000753	0.000752	97827.0	73.6	49.40
25	0.000737	0.000737	97753.4	72.0	48.44
26	0.000784	0.000784	97681.4	76.6	47.47
27	0.000817	0.000816	97604.8	79.7	46.51
28	0.000885	0.000884	97525.1	86.3	45.55
29	0.000807	0.000807	97438.9	78.6	44.58
30	0.000839	0.000839	97360.2	81.7	43.62
31	0.000850	0.000850	97278.6	82.7	42.66
32	0.000981	0.000981	97195.9	95.3	41.69
33	0.000982	0.000982	97100.6	95.4	40.73
34	0.001041	0.001041	97005.2	101.0	39.77
35	0.001109	0.001108	96904.2	107.4	38.81
36	0.001184	0.001183	96796.9	114.5	37.86
37	0.001315	0.001314	96682.3	127.0	36.90
38	0.001322	0.001321	96555.3	127.5	35.95
39	0.001505	0.001504	96427.7	145.0	35.00
40	0.001779	0.001777	96282.7	171.1	34.05
41	0.001881	0.001879	96111.6	180.6	33.11
42	0.002089	0.002087	95931.0	200.2	32.17
43	0.002398	0.002395	95730.7	229.2	31.23
44	0.002656	0.002652	95501.5	253.3	30.31
45	0.003194	0.003188	95248.2	303.7	29.39
46	0.003491	0.003485	94944.5	330.8	28.48
47	0.003758	0.003751	94613.7	354.9	27.58
48	0.004314	0.004305	94258.8	405.8	26.68
49	0.004776	0.004765	93853.0	447.2	25.79

National life table

age	mx
0	0.008297
1	0.000692
2	0.000359
3	0.000262
4	0.000238
5	0.000188
6	0.000193
7	0.000171
8	0.000150
9	0.000194
10	0.000155
11	0.000159
12	0.000190
13	0.000190
14	0.000191
15	0.000246
16	0.000263
17	0.000332
18	0.000301
19	0.000303
20	0.000322
21	0.000301
22	0.000322
23	0.000341
24	0.000300
25	0.000330
26	0.000384
27	0.000364
28	0.000412
29	0.000444
30	0.000498
31	0.000509
32	0.000540
33	0.000620
34	0.000662
35	0.000735
36	0.000748
37	0.000800
38	0.000960
39	0.001086
40	0.001205
41	0.001238
42	0.001434
43	0.001614
44	0.001773
45	0.002041
46	0.002166
47	0.002439
48	0.002661
49	0.003137

50	0.005370	0.005355	93405.8	500.2	24.91	50	0.003324
51	0.006056	0.006038	92905.6	561.0	24.05	51	0.003698
52	0.006697	0.006675	92344.6	616.4	23.19	52	0.004171
53	0.007703	0.007673	91728.2	703.9	22.34	53	0.004577
54	0.008621	0.008584	91024.4	781.4	21.51	54	0.005041
55	0.009480	0.009435	90243.0	851.4	20.69	55	0.005687
56	0.010921	0.010862	89391.6	970.9	19.88	56	0.006411
57	0.012011	0.011940	88420.6	1055.7	19.10	57	0.006843
58	0.013714	0.013621	87364.9	1190.0	18.32	58	0.007823
59	0.015634	0.015512	86175.0	1336.8	17.57	59	0.008612
60	0.017362	0.017213	84838.2	1460.3	16.84	60	0.009601
61	0.019457	0.019270	83377.9	1606.7	16.12	61	0.010395
62	0.021259	0.021036	81771.2	1720.1	15.43	62	0.011642
63	0.023470	0.023198	80051.1	1857.0	14.75	63	0.012607
64	0.025334	0.025017	78194.1	1956.2	14.09	64	0.013588
65	0.028145	0.027754	76237.9	2115.9	13.44	65	0.014899
66	0.030641	0.030179	74122.0	2236.9	12.81	66	0.016402
67	0.034373	0.033792	71885.1	2429.1	12.19	67	0.018168
68	0.038060	0.037349	69456.0	2594.1	11.60	68	0.019650
69	0.040771	0.039956	66861.9	2671.5	11.03	69	0.021813
70	0.045305	0.044301	64190.3	2843.7	10.47	70	0.023988
71	0.049064	0.047889	61346.6	2937.9	9.93	71	0.026001
72	0.054919	0.053451	58408.8	3122.0	9.40	72	0.029397
73	0.059916	0.058174	55286.8	3216.2	8.91	73	0.032226
74	0.066291	0.064165	52070.5	3341.1	8.43	74	0.035918
75	0.072342	0.069816	48729.4	3402.1	7.97	75	0.040056
76	0.080613	0.077490	45327.3	3512.4	7.53	76	0.043954
77	0.087253	0.083605	41814.9	3495.9	7.12	77	0.048587
78	0.094831	0.090538	38319.0	3469.3	6.72	78	0.053903
79	0.104289	0.099120	34849.7	3454.3	6.34	79	0.060505
80	0.113984	0.107838	31395.4	3385.6	5.99	80	0.067822
81	0.122281	0.115236	28009.8	3227.7	5.65	81	0.075225
82	0.134594	0.126107	24782.0	3125.2	5.32	82	0.083718
83	0.146716	0.136689	21656.8	2960.3	5.02	83	0.094186
84	0.159011	0.147300	18696.6	2754.0	4.73	84	0.105203
85	0.174110	0.160167	15942.6	2553.5	4.46	85	0.117161
86	0.189677	0.173246	13389.1	2319.6	4.22	86	0.131009
87	0.198094	0.180242	11069.5	1995.2	4.00	87	0.144532
88	0.214693	0.193881	9074.3	1759.3	3.77	88	0.158729
89	0.227754	0.204470	7315.0	1495.7	3.55	89	0.173616
90	0.247971	0.220617	5819.3	1283.8	3.34	90	0.196181
91	0.268581	0.236783	4535.4	1073.9	3.14	91	0.208945
92	0.290942	0.253993	3461.5	879.2	2.96	92	0.230399
93	0.310332	0.268647	2582.3	693.7	2.80	93	0.258017
94	0.337161	0.288522	1888.6	544.9	2.64	94	0.270565
95	0.354845	0.301374	1343.7	405.0	2.51	95	0.299704
96	0.375672	0.316266	938.7	296.9	2.38	96	0.326584
97	0.409844	0.340141	641.8	218.3	2.25	97	0.337049
98	0.428904	0.353167	423.5	149.6	2.15	98	0.360481
99	0.459873	0.373900	274.0	102.4	2.06	99	0.392677
100	0.48963	0.39333	171.5	67.5	1.98	100	0.42279

ears 1984-1986

s, Females

qx	lx	dx	ex
0.008262	100000.0	826.2	77.75
0.000691	99173.8	68.6	77.40
0.000359	99105.2	35.6	76.45
0.000262	99069.6	25.9	75.48
0.000238	99043.7	23.6	74.50
0.000188	99020.1	18.6	73.52
0.000193	99001.5	19.1	72.53
0.000171	98982.5	16.9	71.54
0.000150	98965.6	14.8	70.56
0.000194	98950.8	19.2	69.57
0.000155	98931.5	15.3	68.58
0.000159	98916.2	15.7	67.59
0.000190	98900.5	18.8	66.60
0.000190	98881.6	18.8	65.61
0.000191	98862.9	18.9	64.63
0.000246	98844.0	24.3	63.64
0.000263	98819.7	26.0	62.65
0.000332	98793.8	32.8	61.67
0.000301	98761.0	29.8	60.69
0.000303	98731.2	29.9	59.71
0.000322	98701.3	31.8	58.73
0.000301	98669.5	29.7	57.74
0.000322	98639.8	31.8	56.76
0.000341	98608.0	33.6	55.78
0.000300	98574.4	29.5	54.80
0.000330	98544.9	32.5	53.82
0.000384	98512.4	37.8	52.83
0.000364	98474.6	35.8	51.85
0.000412	98438.8	40.6	50.87
0.000443	98398.2	43.6	49.89
0.000498	98354.6	48.9	48.91
0.000509	98305.6	50.0	47.94
0.000540	98255.6	53.1	46.96
0.000620	98202.6	60.9	45.99
0.000662	98141.7	65.0	45.02
0.000734	98076.7	72.0	44.05
0.000748	98004.6	73.3	43.08
0.000800	97931.4	78.3	42.11
0.000959	97853.1	93.9	41.14
0.001085	97759.2	106.1	40.18
0.001205	97653.1	117.6	39.22
0.001237	97535.4	120.7	38.27
0.001433	97414.8	139.5	37.32
0.001613	97275.2	156.9	36.37
0.001772	97118.3	172.1	35.43
0.002039	96946.3	197.6	34.49
0.002164	96748.6	209.4	33.56
0.002436	96539.3	235.2	32.63
0.002657	96304.1	255.9	31.71
0.003132	96048.2	300.8	30.79

0.003318	95747.4	317.7	29.89
0.003691	95429.7	352.3	28.99
0.004162	95077.4	395.7	28.09
0.004566	94681.7	432.4	27.21
0.005028	94249.3	473.9	26.33
0.005671	93775.4	531.8	25.46
0.006391	93243.6	595.9	24.60
0.006819	92647.8	631.8	23.76
0.007792	92016.0	717.0	22.92
0.008576	91298.9	782.9	22.09
0.009555	90516.0	864.9	21.28
0.010342	89651.1	927.1	20.48
0.011574	88724.0	1026.9	19.69
0.012528	87697.1	1098.7	18.91
0.013496	86598.4	1168.8	18.15
0.014788	85429.6	1263.4	17.39
0.016269	84166.3	1369.3	16.64
0.018004	82797.0	1490.7	15.91
0.019459	81306.3	1582.1	15.19
0.021578	79724.1	1720.3	14.48
0.023704	78003.9	1849.0	13.79
0.025667	76154.9	1954.7	13.12
0.028971	74200.2	2149.6	12.45
0.031715	72050.6	2285.1	11.80
0.035284	69765.5	2461.6	11.17
0.039269	67303.8	2643.0	10.57
0.043009	64660.9	2781.0	9.98
0.047434	61879.8	2935.2	9.40
0.052488	58944.6	3093.9	8.85
0.058729	55850.7	3280.0	8.31
0.065598	52570.7	3448.5	7.80
0.072498	49122.2	3561.3	7.31
0.080354	45560.9	3661.0	6.84
0.089950	41899.9	3768.9	6.39
0.099945	38131.0	3811.0	5.98
0.110677	34320.0	3798.4	5.58
0.122955	30521.5	3752.8	5.22
0.134792	26768.8	3608.2	4.88
0.147057	23160.6	3405.9	4.56
0.159749	19754.6	3155.8	4.26
0.178657	16598.9	2965.5	3.97
0.189181	13633.4	2579.2	3.73
0.206599	11054.2	2283.8	3.48
0.228534	8770.4	2004.3	3.26
0.238324	6766.1	1612.5	3.08
0.260645	5153.6	1343.2	2.89
0.280741	3810.3	1069.7	2.73
0.288439	2740.6	790.5	2.60
0.305430	1950.1	595.6	2.45
0.328233	1354.5	444.6	2.30
0.34901	909.9	317.6	2.18

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.010834	0.010776	100000.0	1077.6	71.79
1	0.000780	0.000780	98922.4	77.1	71.57
2	0.000481	0.000481	98845.3	47.6	70.62
3	0.000394	0.000394	98797.7	39.0	69.66
4	0.000287	0.000287	98758.8	28.4	68.68
5	0.000259	0.000259	98730.4	25.5	67.70
6	0.000232	0.000232	98704.9	22.9	66.72
7	0.000246	0.000246	98681.9	24.3	65.74
8	0.000221	0.000221	98657.7	21.9	64.75
9	0.000217	0.000217	98635.8	21.4	63.77
10	0.000230	0.000230	98614.4	22.7	62.78
11	0.000266	0.000266	98591.6	26.2	61.79
12	0.000264	0.000264	98565.4	26.0	60.81
13	0.000277	0.000277	98539.4	27.3	59.83
14	0.000354	0.000354	98512.1	34.9	58.84
15	0.000424	0.000424	98477.2	41.8	57.86
16	0.000555	0.000555	98435.4	54.6	56.89
17	0.000806	0.000806	98380.8	79.3	55.92
18	0.000872	0.000872	98301.5	85.7	54.96
19	0.000915	0.000915	98215.8	89.9	54.01
20	0.000962	0.000962	98126.0	94.4	53.06
21	0.000875	0.000874	98031.6	85.7	52.11
22	0.000834	0.000834	97945.9	81.7	51.16
23	0.000740	0.000740	97864.2	72.4	50.20
24	0.000740	0.000739	97791.8	72.3	49.24
25	0.000758	0.000757	97719.5	74.0	48.27
26	0.000790	0.000790	97645.5	77.1	47.31
27	0.000818	0.000818	97568.4	79.8	46.35
28	0.000899	0.000899	97488.6	87.7	45.38
29	0.000803	0.000803	97401.0	78.2	44.42
30	0.000834	0.000834	97322.8	81.1	43.46
31	0.000862	0.000862	97241.6	83.8	42.49
32	0.000976	0.000976	97157.8	94.8	41.53
33	0.000997	0.000997	97063.1	96.7	40.57
34	0.001024	0.001023	96966.3	99.2	39.61
35	0.001147	0.001147	96867.1	111.1	38.65
36	0.001160	0.001159	96756.0	112.2	37.69
37	0.001278	0.001277	96643.9	123.4	36.74
38	0.001312	0.001311	96520.4	126.5	35.78
39	0.001593	0.001592	96393.9	153.5	34.83
40	0.001755	0.001754	96240.5	168.8	33.89
41	0.001931	0.001929	96071.7	185.4	32.94
42	0.002181	0.002179	95886.3	208.9	32.01
43	0.002440	0.002437	95677.4	233.2	31.08
44	0.002703	0.002700	95444.2	257.7	30.15
45	0.003212	0.003207	95186.5	305.2	29.23
46	0.003542	0.003535	94881.3	335.4	28.32
47	0.003840	0.003832	94545.9	362.3	27.42
48	0.004471	0.004461	94183.6	420.1	26.52
49	0.004948	0.004935	93763.4	462.8	25.64

National life table

age	mx
0	0.008539
1	0.000687
2	0.000379
3	0.000263
4	0.000232
5	0.000203
6	0.000200
7	0.000171
8	0.000163
9	0.000192
10	0.000162
11	0.000161
12	0.000197
13	0.000191
14	0.000193
15	0.000241
16	0.000273
17	0.000358
18	0.000297
19	0.000307
20	0.000323
21	0.000319
22	0.000293
23	0.000311
24	0.000306
25	0.000354
26	0.000397
27	0.000377
28	0.000434
29	0.000442
30	0.000471
31	0.000515
32	0.000546
33	0.000626
34	0.000647
35	0.000746
36	0.000774
37	0.000810
38	0.000997
39	0.001101
40	0.001144
41	0.001253
42	0.001460
43	0.001636
44	0.001818
45	0.002063
46	0.002145
47	0.002514
48	0.002780
49	0.003207

50	0.005491	0.005476	93300.7	510.9	24.77	50	0.003403
51	0.006106	0.006088	92789.8	564.9	23.90	51	0.003771
52	0.006884	0.006861	92224.9	632.7	23.04	52	0.004343
53	0.007875	0.007844	91592.2	718.5	22.20	53	0.004743
54	0.008933	0.008894	90873.7	808.2	21.37	54	0.005249
55	0.009836	0.009788	90065.5	881.5	20.56	55	0.005912
56	0.011256	0.011193	89184.0	998.2	19.76	56	0.006505
57	0.012520	0.012442	88185.8	1097.2	18.97	57	0.007108
58	0.014234	0.014133	87088.6	1230.8	18.21	58	0.007958
59	0.015744	0.015621	85857.7	1341.2	17.46	59	0.008686
60	0.017563	0.017411	84516.6	1471.5	16.73	60	0.009760
61	0.019504	0.019316	83045.1	1604.1	16.02	61	0.010486
62	0.021513	0.021284	81441.0	1733.4	15.32	62	0.011704
63	0.023743	0.023464	79707.6	1870.3	14.65	63	0.012490
64	0.025985	0.025652	77837.3	1996.7	13.99	64	0.013832
65	0.028645	0.028240	75840.6	2141.8	13.34	65	0.014986
66	0.031626	0.031134	73698.9	2294.5	12.71	66	0.016780
67	0.034656	0.034066	71404.3	2432.5	12.11	67	0.018164
68	0.038598	0.037867	68971.9	2611.8	11.51	68	0.019609
69	0.041204	0.040372	66360.1	2679.1	10.95	69	0.021703
70	0.046062	0.045025	63681.0	2867.2	10.39	70	0.024331
71	0.050004	0.048784	60813.8	2966.7	9.85	71	0.026079
72	0.055577	0.054074	57847.0	3128.0	9.33	72	0.029448
73	0.061128	0.059316	54719.0	3245.7	8.84	73	0.032580
74	0.067422	0.065223	51473.3	3357.2	8.36	74	0.036116
75	0.073353	0.070758	48116.1	3404.6	7.91	75	0.040427
76	0.080877	0.077733	44711.5	3475.6	7.48	76	0.044529
77	0.087702	0.084018	41235.9	3464.5	7.07	77	0.048843
78	0.095967	0.091573	37771.4	3458.8	6.67	78	0.054808
79	0.105257	0.100000	34312.5	3431.1	6.29	79	0.060875
80	0.114867	0.108628	30881.5	3354.6	5.93	80	0.068550
81	0.124357	0.117078	27526.9	3222.8	5.60	81	0.075950
82	0.136659	0.127919	24304.1	3109.0	5.27	82	0.085047
83	0.149813	0.139373	21195.1	2954.0	4.97	83	0.095806
84	0.161546	0.149472	18241.1	2726.5	4.70	84	0.106806
85	0.174596	0.160578	15514.6	2491.3	4.43	85	0.118709
86	0.189551	0.173142	13023.3	2254.9	4.19	86	0.132891
87	0.200856	0.182525	10768.4	1965.5	3.96	87	0.146394
88	0.215803	0.194786	8802.9	1714.7	3.73	88	0.160606
89	0.231554	0.207527	7088.2	1471.0	3.51	89	0.177336
90	0.251127	0.223112	5617.2	1253.3	3.30	90	0.198170
91	0.270551	0.238313	4363.9	1040.0	3.10	91	0.211444
92	0.296886	0.258511	3324.0	859.3	2.92	92	0.233573
93	0.312878	0.270553	2464.7	666.8	2.76	93	0.256346
94	0.347015	0.295707	1797.9	531.6	2.60	94	0.274561
95	0.358184	0.303780	1266.2	384.7	2.48	95	0.300226
96	0.381629	0.320477	881.6	282.5	2.34	96	0.329480
97	0.420762	0.347628	599.0	208.2	2.20	97	0.343502
98	0.432367	0.355511	390.8	138.9	2.11	98	0.364662
99	0.443312	0.362878	251.9	91.4	2.00	99	0.393040
100	0.54071	0.42564	160.5	68.3	1.86	100	0.42258

ears 1983-1985

s, Females

qx	lx	dx	ex
0.008503	100000.0	850.3	77.61
0.000687	99149.7	68.1	77.27
0.000379	99081.6	37.5	76.33
0.000263	99044.1	26.0	75.36
0.000232	99018.0	23.0	74.37
0.000203	98995.0	20.1	73.39
0.000200	98974.9	19.8	72.41
0.000171	98955.1	16.9	71.42
0.000163	98938.2	16.1	70.43
0.000192	98922.1	19.0	69.44
0.000162	98903.1	16.0	68.46
0.000161	98887.1	16.0	67.47
0.000197	98871.2	19.5	66.48
0.000191	98851.7	18.9	65.49
0.000193	98832.8	19.1	64.51
0.000241	98813.7	23.8	63.52
0.000273	98789.9	27.0	62.53
0.000358	98762.9	35.4	61.55
0.000297	98727.6	29.3	60.57
0.000307	98698.2	30.3	59.59
0.000323	98667.9	31.8	58.61
0.000319	98636.1	31.4	57.63
0.000293	98604.7	28.9	56.64
0.000311	98575.8	30.6	55.66
0.000306	98545.1	30.1	54.68
0.000354	98515.0	34.9	53.69
0.000397	98480.1	39.0	52.71
0.000377	98441.0	37.1	51.73
0.000434	98404.0	42.7	50.75
0.000442	98361.3	43.5	49.78
0.000471	98317.8	46.3	48.80
0.000515	98271.5	50.6	47.82
0.000546	98220.9	53.6	46.84
0.000626	98167.2	61.4	45.87
0.000647	98105.8	63.5	44.90
0.000746	98042.3	73.2	43.93
0.000774	97969.2	75.8	42.96
0.000810	97893.4	79.3	41.99
0.000997	97814.1	97.5	41.03
0.001101	97716.6	107.6	40.07
0.001144	97609.0	111.6	39.11
0.001252	97497.4	122.1	38.15
0.001459	97375.3	142.1	37.20
0.001634	97233.2	158.9	36.25
0.001816	97074.3	176.3	35.31
0.002061	96898.0	199.7	34.38
0.002142	96698.3	207.2	33.45
0.002511	96491.1	242.3	32.52
0.002777	96248.8	267.2	31.60
0.003202	95981.6	307.3	30.68

0.003397	95674.3	325.0	29.78
0.003764	95349.3	358.9	28.88
0.004333	94990.4	411.6	27.99
0.004731	94578.8	447.5	27.11
0.005235	94131.3	492.8	26.23
0.005895	93638.5	552.0	25.37
0.006484	93086.5	603.6	24.52
0.007083	92482.9	655.0	23.67
0.007926	91827.9	727.8	22.84
0.008649	91100.0	787.9	22.02
0.009713	90312.1	877.2	21.21
0.010431	89434.9	932.9	20.41
0.011636	88502.0	1029.8	19.62
0.012412	87472.3	1085.7	18.84
0.013737	86386.5	1186.7	18.07
0.014875	85199.8	1267.3	17.32
0.016641	83932.5	1396.7	16.57
0.018000	82535.8	1485.7	15.85
0.019419	81050.2	1573.9	15.13
0.021470	79476.3	1706.3	14.42
0.024038	77769.9	1869.4	13.72
0.025743	75900.5	1953.9	13.05
0.029021	73946.5	2146.0	12.38
0.032058	71800.5	2301.8	11.73
0.035476	69498.8	2465.5	11.11
0.039626	67033.2	2656.3	10.50
0.043559	64377.0	2804.2	9.91
0.047679	61572.8	2935.7	9.34
0.053346	58637.1	3128.0	8.78
0.059076	55509.0	3279.3	8.25
0.066278	52229.7	3461.7	7.73
0.073172	48768.1	3568.4	7.25
0.081578	45199.6	3687.3	6.78
0.091426	41512.3	3795.3	6.34
0.101392	37717.0	3824.2	5.92
0.112058	33892.8	3797.9	5.53
0.124611	30094.9	3750.2	5.17
0.136409	26344.7	3593.7	4.83
0.148667	22751.0	3382.3	4.52
0.162893	19368.7	3155.0	4.22
0.180304	16213.7	2923.4	3.94
0.191227	13290.3	2541.5	3.70
0.209147	10748.8	2248.1	3.46
0.227222	8500.7	1931.6	3.24
0.241419	6569.2	1585.9	3.05
0.261040	4983.3	1300.8	2.86
0.282879	3682.4	1041.7	2.69
0.293153	2640.7	774.1	2.56
0.308426	1866.6	575.7	2.41
0.328486	1290.9	424.0	2.27
0.34887	866.9	302.4	2.13

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.011468	0.011403	100000.0	1140.3	71.59
1	0.000810	0.000809	98859.7	80.0	71.42
2	0.000463	0.000463	98779.7	45.7	70.47
3	0.000391	0.000391	98734.0	38.6	69.51
4	0.000299	0.000299	98695.4	29.5	68.53
5	0.000265	0.000265	98665.9	26.1	67.55
6	0.000263	0.000263	98639.7	26.0	66.57
7	0.000242	0.000242	98613.8	23.9	65.59
8	0.000246	0.000246	98589.9	24.3	64.61
9	0.000232	0.000232	98565.6	22.8	63.62
10	0.000229	0.000229	98542.8	22.6	62.64
11	0.000248	0.000248	98520.2	24.5	61.65
12	0.000267	0.000267	98495.7	26.3	60.67
13	0.000277	0.000277	98469.4	27.3	59.68
14	0.000355	0.000355	98442.1	35.0	58.70
15	0.000424	0.000423	98407.2	41.7	57.72
16	0.000554	0.000553	98365.5	54.4	56.74
17	0.000873	0.000873	98311.1	85.8	55.77
18	0.000930	0.000930	98225.2	91.3	54.82
19	0.000962	0.000961	98133.9	94.3	53.87
20	0.000982	0.000981	98039.6	96.2	52.92
21	0.000851	0.000851	97943.3	83.4	51.98
22	0.000841	0.000841	97860.0	82.3	51.02
23	0.000775	0.000774	97777.7	75.7	50.06
24	0.000773	0.000773	97702.0	75.5	49.10
25	0.000786	0.000786	97626.5	76.8	48.14
26	0.000844	0.000844	97549.7	82.3	47.18
27	0.000820	0.000820	97467.4	79.9	46.21
28	0.000884	0.000883	97387.5	86.0	45.25
29	0.000820	0.000820	97301.5	79.8	44.29
30	0.000854	0.000854	97221.7	83.0	43.33
31	0.000883	0.000882	97138.7	85.7	42.36
32	0.000985	0.000985	97053.0	95.6	41.40
33	0.000987	0.000987	96957.4	95.7	40.44
34	0.001035	0.001035	96861.7	100.2	39.48
35	0.001136	0.001135	96761.5	109.8	38.52
36	0.001105	0.001105	96651.6	106.8	37.56
37	0.001314	0.001313	96544.8	126.8	36.61
38	0.001386	0.001385	96418.1	133.6	35.65
39	0.001579	0.001578	96284.5	151.9	34.70
40	0.001701	0.001700	96132.6	163.4	33.76
41	0.002029	0.002027	95969.2	194.5	32.81
42	0.002227	0.002225	95774.7	213.1	31.88
43	0.002401	0.002398	95561.6	229.2	30.95
44	0.002777	0.002773	95332.5	264.3	30.02
45	0.003216	0.003210	95068.1	305.2	29.10
46	0.003577	0.003571	94762.9	338.4	28.20
47	0.004013	0.004005	94424.5	378.2	27.30
48	0.004537	0.004527	94046.3	425.7	26.40
49	0.005156	0.005143	93620.6	481.5	25.52

National life table

age	mx
0	0.008902
1	0.000654
2	0.000404
3	0.000255
4	0.000234
5	0.000208
6	0.000196
7	0.000181
8	0.000173
9	0.000155
10	0.000181
11	0.000164
12	0.000186
13	0.000188
14	0.000205
15	0.000245
16	0.000295
17	0.000331
18	0.000297
19	0.000322
20	0.000335
21	0.000327
22	0.000314
23	0.000306
24	0.000339
25	0.000399
26	0.000402
27	0.000410
28	0.000434
29	0.000459
30	0.000473
31	0.000518
32	0.000593
33	0.000629
34	0.000686
35	0.000732
36	0.000797
37	0.000838
38	0.001017
39	0.001123
40	0.001161
41	0.001316
42	0.001455
43	0.001652
44	0.001832
45	0.002070
46	0.002238
47	0.002537
48	0.002855
49	0.003324

50	0.005618	0.005602	93139.1	521.8	24.65	50	0.003537
51	0.006264	0.006245	92617.3	578.3	23.79	51	0.003831
52	0.007056	0.007031	92039.0	647.2	22.93	52	0.004409
53	0.008149	0.008116	91391.8	741.7	22.09	53	0.004895
54	0.009213	0.009171	90650.1	831.3	21.27	54	0.005382
55	0.010313	0.010260	89818.8	921.5	20.46	55	0.006039
56	0.011463	0.011397	88897.3	1013.2	19.67	56	0.006570
57	0.013080	0.012995	87884.1	1142.0	18.89	57	0.007243
58	0.014483	0.014379	86742.1	1247.2	18.13	58	0.008010
59	0.016170	0.016040	85494.8	1371.3	17.39	59	0.008813
60	0.017821	0.017663	84123.5	1485.9	16.66	60	0.009817
61	0.019420	0.019233	82637.6	1589.4	15.95	61	0.010593
62	0.021544	0.021314	81048.2	1727.5	15.26	62	0.011482
63	0.024176	0.023888	79320.7	1894.8	14.58	63	0.012615
64	0.026186	0.025848	77426.0	2001.3	13.92	64	0.013880
65	0.029350	0.028925	75424.7	2181.7	13.28	65	0.015126
66	0.031927	0.031425	73243.0	2301.7	12.66	66	0.016695
67	0.034920	0.034321	70941.3	2434.8	12.05	67	0.018197
68	0.038799	0.038061	68506.5	2607.4	11.46	68	0.019812
69	0.041743	0.040889	65899.1	2694.6	10.90	69	0.021558
70	0.046142	0.045101	63204.5	2850.6	10.34	70	0.024473
71	0.050312	0.049078	60353.9	2962.0	9.81	71	0.026376
72	0.056363	0.054818	57391.9	3146.1	9.29	72	0.029360
73	0.062333	0.060449	54245.8	3279.1	8.80	73	0.032789
74	0.068526	0.066256	50966.7	3376.9	8.33	74	0.036517
75	0.074072	0.071427	47589.8	3399.2	7.88	75	0.040563
76	0.080688	0.077559	44190.6	3427.4	7.45	76	0.044901
77	0.088474	0.084726	40763.2	3453.7	7.04	77	0.049263
78	0.097345	0.092826	37309.5	3463.3	6.64	78	0.055589
79	0.105585	0.100290	33846.2	3394.4	6.27	79	0.061811
80	0.115947	0.109593	30451.8	3337.3	5.91	80	0.069345
81	0.125853	0.118403	27114.5	3210.4	5.58	81	0.076607
82	0.138328	0.129379	23904.0	3092.7	5.26	82	0.086561
83	0.149087	0.138745	20811.4	2887.5	4.97	83	0.096506
84	0.161882	0.149760	17923.9	2684.3	4.69	84	0.107710
85	0.174276	0.160307	15239.6	2443.0	4.43	85	0.120450
86	0.189639	0.173215	12796.6	2216.6	4.18	86	0.133972
87	0.203937	0.185066	10580.0	1958.0	3.95	87	0.145660
88	0.219428	0.197734	8622.0	1704.9	3.74	88	0.163257
89	0.235250	0.210491	6917.2	1456.0	3.53	89	0.180729
90	0.244826	0.218124	5461.2	1191.2	3.34	90	0.196764
91	0.265604	0.234467	4269.9	1001.2	3.13	91	0.211303
92	0.292103	0.254878	3268.8	833.1	2.94	92	0.230411
93	0.309783	0.268236	2435.6	653.3	2.78	93	0.253648
94	0.346765	0.295526	1782.3	526.7	2.61	94	0.279940
95	0.363714	0.307748	1255.6	386.4	2.50	95	0.296264
96	0.375207	0.315936	869.2	274.6	2.38	96	0.326798
97	0.406508	0.337841	594.6	200.9	2.25	97	0.347762
98	0.416396	0.344642	393.7	135.7	2.15	98	0.368927
99	0.420513	0.347458	258.0	89.7	2.01	99	0.381003
100	0.51620	0.4103	168.4	69.1	1.82	100	0.42372

ears 1982-1984

s, Females

qx	lx	dx	ex
0.008863	100000.0	886.3	77.48
0.000654	99113.7	64.8	77.17
0.000404	99048.9	40.0	76.22
0.000255	99008.9	25.2	75.25
0.000234	98983.7	23.2	74.27
0.000208	98960.5	20.6	73.29
0.000195	98939.9	19.3	72.31
0.000181	98920.6	17.9	71.32
0.000173	98902.6	17.1	70.33
0.000155	98885.6	15.3	69.34
0.000181	98870.2	17.9	68.36
0.000164	98852.3	16.2	67.37
0.000186	98836.1	18.4	66.38
0.000188	98817.7	18.5	65.39
0.000205	98799.2	20.2	64.40
0.000245	98779.0	24.2	63.42
0.000295	98754.8	29.1	62.43
0.000331	98725.7	32.7	61.45
0.000297	98693.0	29.3	60.47
0.000322	98663.7	31.7	59.49
0.000335	98631.9	33.0	58.51
0.000327	98598.9	32.2	57.53
0.000314	98566.7	31.0	56.55
0.000306	98535.7	30.2	55.56
0.000339	98505.5	33.4	54.58
0.000399	98472.1	39.3	53.60
0.000402	98432.9	39.6	52.62
0.000409	98393.3	40.3	51.64
0.000434	98353.0	42.7	50.66
0.000459	98310.3	45.1	49.68
0.000473	98265.2	46.5	48.71
0.000518	98218.7	50.8	47.73
0.000593	98167.8	58.2	46.75
0.000629	98109.7	61.7	45.78
0.000686	98047.9	67.3	44.81
0.000732	97980.7	71.7	43.84
0.000797	97909.0	78.0	42.87
0.000837	97831.0	81.9	41.90
0.001016	97749.0	99.3	40.94
0.001122	97649.7	109.6	39.98
0.001161	97540.2	113.2	39.02
0.001316	97426.9	128.2	38.07
0.001454	97298.8	141.5	37.12
0.001651	97157.3	160.4	36.17
0.001830	96996.9	177.5	35.23
0.002068	96819.4	200.2	34.29
0.002235	96619.2	216.0	33.37
0.002534	96403.2	244.2	32.44
0.002851	96158.9	274.2	31.52
0.003319	95884.8	318.2	30.61

0.003531	95566.5	337.4	29.71
0.003824	95229.1	364.1	28.81
0.004399	94865.0	417.3	27.92
0.004883	94447.7	461.2	27.04
0.005368	93986.4	504.5	26.17
0.006020	93482.0	562.8	25.31
0.006549	92919.2	608.5	24.46
0.007217	92310.7	666.2	23.62
0.007978	91644.5	731.2	22.79
0.008775	90913.3	797.7	21.97
0.009769	90115.6	880.4	21.16
0.010537	89235.2	940.3	20.36
0.011417	88294.9	1008.1	19.57
0.012536	87286.9	1094.3	18.79
0.013784	86192.6	1188.1	18.02
0.015013	85004.5	1276.2	17.27
0.016556	83728.4	1386.2	16.52
0.018033	82342.1	1484.9	15.79
0.019618	80857.2	1586.3	15.08
0.021329	79271.0	1690.7	14.37
0.024177	77580.2	1875.6	13.67
0.026033	75704.6	1970.8	13.00
0.028935	73733.8	2133.5	12.33
0.032260	71600.3	2309.8	11.68
0.035862	69290.5	2484.9	11.05
0.039757	66805.6	2656.0	10.45
0.043915	64149.6	2817.1	9.86
0.048079	61332.5	2948.8	9.29
0.054086	58383.6	3157.7	8.73
0.059958	55225.9	3311.2	8.20
0.067021	51914.7	3479.4	7.70
0.073781	48435.3	3573.6	7.21
0.082970	44861.7	3722.2	6.75
0.092064	41139.5	3787.4	6.31
0.102206	37352.0	3817.6	5.90
0.113608	33534.4	3809.8	5.52
0.125561	29724.7	3732.3	5.16
0.135771	25992.4	3529.0	4.83
0.150936	22463.4	3390.5	4.51
0.165751	19072.8	3161.3	4.22
0.179140	15911.5	2850.4	3.96
0.191112	13061.1	2496.1	3.71
0.206609	10565.0	2182.8	3.47
0.225100	8382.2	1886.8	3.25
0.245568	6495.3	1595.0	3.05
0.258040	4900.3	1264.5	2.88
0.280899	3635.8	1021.3	2.70
0.296250	2614.5	774.6	2.56
0.311472	1840.0	573.1	2.43
0.320036	1266.9	405.4	2.30
0.34965	861.4	301.2	2.15

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.012099	0.012026	100000.0	1202.6	71.32
1	0.000808	0.000807	98797.4	79.8	71.19
2	0.000491	0.000491	98717.6	48.5	70.24
3	0.000375	0.000375	98669.2	37.0	69.28
4	0.000348	0.000348	98632.2	34.3	68.30
5	0.000278	0.000278	98597.8	27.4	67.33
6	0.000291	0.000291	98570.4	28.7	66.35
7	0.000259	0.000259	98541.8	25.5	65.37
8	0.000253	0.000253	98516.3	25.0	64.38
9	0.000237	0.000237	98491.3	23.4	63.40
10	0.000220	0.000220	98468.0	21.7	62.41
11	0.000249	0.000249	98446.3	24.5	61.43
12	0.000265	0.000265	98421.8	26.1	60.44
13	0.000309	0.000309	98395.7	30.4	59.46
14	0.000353	0.000353	98365.4	34.8	58.48
15	0.000417	0.000417	98330.6	41.0	57.50
16	0.000538	0.000537	98289.6	52.8	56.52
17	0.000951	0.000950	98236.8	93.4	55.55
18	0.000997	0.000997	98143.4	97.8	54.60
19	0.001004	0.001004	98045.6	98.4	53.66
20	0.000982	0.000982	97947.1	96.2	52.71
21	0.000825	0.000825	97851.0	80.7	51.76
22	0.000852	0.000851	97770.3	83.2	50.80
23	0.000773	0.000773	97687.1	75.5	49.85
24	0.000783	0.000782	97611.6	76.4	48.89
25	0.000781	0.000781	97535.2	76.1	47.92
26	0.000844	0.000843	97459.1	82.2	46.96
27	0.000828	0.000827	97376.9	80.6	46.00
28	0.000849	0.000848	97296.3	82.5	45.04
29	0.000870	0.000870	97213.8	84.6	44.08
30	0.000896	0.000896	97129.3	87.0	43.11
31	0.000918	0.000918	97042.2	89.1	42.15
32	0.000971	0.000970	96953.2	94.1	41.19
33	0.000969	0.000968	96859.1	93.8	40.23
34	0.000994	0.000994	96765.3	96.2	39.27
35	0.001104	0.001103	96669.1	106.6	38.31
36	0.001159	0.001158	96562.5	111.8	37.35
37	0.001313	0.001312	96450.7	126.5	36.39
38	0.001456	0.001455	96324.2	140.2	35.44
39	0.001585	0.001584	96184.0	152.4	34.49
40	0.001866	0.001864	96031.7	179.0	33.54
41	0.002104	0.002102	95852.7	201.5	32.60
42	0.002301	0.002299	95651.2	219.9	31.67
43	0.002474	0.002471	95431.3	235.8	30.74
44	0.002802	0.002798	95195.5	266.3	29.82
45	0.003274	0.003268	94929.2	310.3	28.90
46	0.003680	0.003673	94618.9	347.6	27.99
47	0.004159	0.004150	94271.3	391.2	27.10
48	0.004523	0.004513	93880.1	423.7	26.21
49	0.005358	0.005344	93456.4	499.4	25.32

National life table

age	mx
0	0.009183
1	0.000678
2	0.000439
3	0.000287
4	0.000247
5	0.000214
6	0.000210
7	0.000185
8	0.000176
9	0.000152
10	0.000187
11	0.000172
12	0.000176
13	0.000188
14	0.000226
15	0.000252
16	0.000295
17	0.000323
18	0.000342
19	0.000330
20	0.000344
21	0.000324
22	0.000330
23	0.000333
24	0.000338
25	0.000394
26	0.000415
27	0.000425
28	0.000440
29	0.000444
30	0.000509
31	0.000553
32	0.000586
33	0.000608
34	0.000677
35	0.000756
36	0.000835
37	0.000877
38	0.001025
39	0.001071
40	0.001231
41	0.001354
42	0.001535
43	0.001680
44	0.001932
45	0.002149
46	0.002327
47	0.002689
48	0.002978
49	0.003391

50	0.005891	0.005873	92957.0	546.0	24.46	50	0.003727
51	0.006383	0.006363	92411.0	588.0	23.60	51	0.003939
52	0.007361	0.007334	91823.0	673.4	22.75	52	0.004491
53	0.008497	0.008461	91149.7	771.2	21.91	53	0.005076
54	0.009533	0.009487	90378.5	857.5	21.09	54	0.005587
55	0.010758	0.010700	89521.0	957.9	20.29	55	0.006290
56	0.011817	0.011748	88563.1	1040.4	19.50	56	0.006612
57	0.013579	0.013488	87522.7	1180.5	18.73	57	0.007345
58	0.014827	0.014718	86342.2	1270.8	17.98	58	0.008011
59	0.016583	0.016447	85071.4	1399.1	17.24	59	0.008868
60	0.018213	0.018049	83672.3	1510.2	16.52	60	0.009933
61	0.019431	0.019244	82162.1	1581.1	15.81	61	0.010545
62	0.021945	0.021707	80581.0	1749.2	15.12	62	0.011585
63	0.024398	0.024104	78831.8	1900.1	14.44	63	0.012743
64	0.027286	0.026919	76931.7	2070.9	13.78	64	0.014236
65	0.029803	0.029365	74860.7	2198.3	13.15	65	0.015062
66	0.031956	0.031453	72662.4	2285.5	12.53	66	0.016613
67	0.035435	0.034818	70377.0	2450.4	11.92	67	0.018361
68	0.039100	0.038350	67926.6	2605.0	11.34	68	0.019920
69	0.042503	0.041618	65321.6	2718.6	10.77	69	0.021650
70	0.047274	0.046182	62603.0	2891.1	10.21	70	0.024549
71	0.051779	0.050472	59711.9	3013.8	9.69	71	0.026826
72	0.057271	0.055677	56698.1	3156.8	9.17	72	0.030023
73	0.063728	0.061760	53541.3	3306.7	8.68	73	0.033282
74	0.069404	0.067076	50234.6	3369.5	8.22	74	0.037083
75	0.075675	0.072916	46865.1	3417.2	7.78	75	0.041635
76	0.082490	0.079223	43447.9	3442.0	7.35	76	0.045704
77	0.090008	0.086132	40005.8	3445.8	6.94	77	0.050239
78	0.099337	0.094636	36560.0	3459.9	6.55	78	0.056709
79	0.108196	0.102643	33100.1	3397.5	6.18	79	0.063130
80	0.117520	0.110998	29702.6	3296.9	5.83	80	0.071044
81	0.128890	0.121087	26405.7	3197.4	5.50	81	0.079032
82	0.141829	0.132437	23208.3	3073.6	5.18	82	0.089341
83	0.151609	0.140926	20134.7	2837.5	4.90	83	0.100000
84	0.166682	0.153859	17297.2	2661.3	4.62	84	0.111345
85	0.177690	0.163192	14635.8	2388.4	4.37	85	0.122975
86	0.194263	0.177065	12247.4	2168.6	4.12	86	0.137925
87	0.208367	0.188707	10078.8	1901.9	3.90	87	0.150112
88	0.226193	0.203211	8176.9	1661.6	3.70	88	0.167926
89	0.243728	0.217253	6515.2	1415.5	3.51	89	0.189436
90	0.242506	0.216282	5099.8	1103.0	3.35	90	0.195504
91	0.262641	0.232154	3996.8	927.9	3.13	91	0.212457
92	0.293775	0.256150	3068.9	786.1	2.93	92	0.235084
93	0.312938	0.270598	2282.8	617.7	2.76	93	0.253289
94	0.347431	0.296009	1665.1	492.9	2.61	94	0.283019
95	0.363914	0.307891	1172.2	360.9	2.49	95	0.296699
96	0.389242	0.325829	811.3	264.3	2.38	96	0.324045
97	0.393612	0.328885	547.0	179.9	2.28	97	0.355532
98	0.418079	0.345794	367.1	126.9	2.16	98	0.368640
99	0.425197	0.350649	240.1	84.2	2.03	99	0.376434
100	0.50343	0.40219	155.9	62.7	1.86	100	0.43210

ears 1981-1983

s, Females

qx	lx	dx	ex
0.009141	100000.0	914.1	77.26
0.000677	99085.9	67.1	76.97
0.000439	99018.8	43.4	76.02
0.000287	98975.3	28.4	75.06
0.000247	98946.9	24.4	74.08
0.000213	98922.5	21.1	73.10
0.000210	98901.4	20.8	72.11
0.000185	98880.6	18.3	71.13
0.000176	98862.3	17.4	70.14
0.000152	98844.9	15.0	69.15
0.000187	98829.9	18.5	68.16
0.000172	98811.5	17.0	67.17
0.000176	98794.5	17.4	66.19
0.000188	98777.1	18.6	65.20
0.000226	98758.5	22.3	64.21
0.000252	98736.1	24.9	63.22
0.000295	98711.2	29.1	62.24
0.000323	98682.2	31.8	61.26
0.000342	98650.3	33.7	60.28
0.000329	98616.6	32.5	59.30
0.000344	98584.1	33.9	58.32
0.000324	98550.2	32.0	57.34
0.000330	98518.3	32.5	56.36
0.000333	98485.7	32.8	55.37
0.000338	98453.0	33.3	54.39
0.000394	98419.7	38.7	53.41
0.000415	98380.9	40.8	52.43
0.000425	98340.1	41.8	51.45
0.000440	98298.3	43.3	50.47
0.000444	98255.1	43.6	49.50
0.000509	98211.5	50.0	48.52
0.000553	98161.5	54.3	47.54
0.000586	98107.2	57.4	46.57
0.000607	98049.8	59.6	45.60
0.000676	97990.2	66.3	44.62
0.000756	97923.9	74.0	43.65
0.000835	97849.9	81.7	42.69
0.000876	97768.2	85.7	41.72
0.001025	97682.6	100.1	40.76
0.001071	97582.5	104.5	39.80
0.001231	97478.0	120.0	38.84
0.001353	97358.0	131.7	37.89
0.001533	97226.3	149.1	36.94
0.001678	97077.2	162.9	35.99
0.001930	96914.3	187.0	35.05
0.002146	96727.2	207.6	34.12
0.002324	96519.6	224.3	33.19
0.002686	96295.3	258.6	32.27
0.002973	96036.7	285.5	31.35
0.003385	95751.1	324.1	30.45

0.003720	95427.0	355.0	29.55
0.003931	95072.0	373.8	28.66
0.004481	94698.3	424.4	27.77
0.005064	94273.9	477.4	26.89
0.005572	93796.5	522.6	26.03
0.006270	93273.9	584.8	25.17
0.006590	92689.1	610.8	24.32
0.007318	92078.3	673.8	23.48
0.007979	91404.5	729.3	22.65
0.008828	90675.1	800.5	21.83
0.009884	89874.6	888.3	21.02
0.010490	88986.3	933.5	20.22
0.011518	88052.8	1014.2	19.43
0.012662	87038.6	1102.1	18.65
0.014135	85936.6	1214.7	17.89
0.014949	84721.9	1266.5	17.14
0.016476	83455.3	1375.0	16.39
0.018194	82080.3	1493.3	15.65
0.019724	80586.9	1589.5	14.94
0.021418	78997.4	1692.0	14.23
0.024251	77305.4	1874.8	13.53
0.026471	75430.7	1996.7	12.85
0.029579	73433.9	2172.1	12.19
0.032737	71261.9	2332.9	11.54
0.036408	68928.9	2509.5	10.92
0.040786	66419.4	2709.0	10.31
0.044683	63710.4	2846.8	9.73
0.049008	60863.6	2982.8	9.16
0.055145	57880.8	3191.9	8.60
0.061198	54688.9	3346.9	8.08
0.068607	51342.1	3522.4	7.57
0.076028	47819.6	3635.6	7.09
0.085520	44184.0	3778.6	6.63
0.095234	40405.4	3848.0	6.21
0.105473	36557.4	3855.8	5.81
0.115851	32701.6	3788.5	5.44
0.129027	28913.1	3730.6	5.08
0.139632	25182.5	3516.3	4.76
0.154919	21666.3	3356.5	4.45
0.173045	18309.7	3168.4	4.18
0.178095	15141.3	2696.6	3.95
0.192055	12444.7	2390.1	3.69
0.210358	10054.7	2115.1	3.45
0.224817	7939.6	1785.0	3.24
0.247934	6154.6	1525.9	3.03
0.258370	4628.7	1195.9	2.87
0.278863	3432.8	957.3	2.69
0.301870	2475.5	747.3	2.54
0.311268	1728.2	537.9	2.42
0.316806	1190.3	377.1	2.29
0.35533	813.2	289	2.11

National Life Tables, England, period expectation of life, based on data for the y

This worksheet contains two tables, presented horizontally with one blank column in between the tables.

This worksheet uses notation in the column headers, please see the notation worksheet for explanations.

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National life tables, Males

age	mx	qx	lx	dx	ex
0	0.012794	0.012712	100000.0	1271.2	71.08
1	0.000858	0.000857	98728.8	84.6	70.99
2	0.000522	0.000521	98644.1	51.4	70.05
3	0.000381	0.000381	98592.7	37.5	69.09
4	0.000376	0.000376	98555.2	37.0	68.11
5	0.000307	0.000307	98518.1	30.2	67.14
6	0.000297	0.000297	98487.9	29.3	66.16
7	0.000287	0.000287	98458.6	28.2	65.18
8	0.000267	0.000267	98430.3	26.2	64.20
9	0.000237	0.000237	98404.1	23.3	63.21
10	0.000228	0.000228	98380.8	22.4	62.23
11	0.000246	0.000246	98358.4	24.2	61.24
12	0.000245	0.000245	98334.2	24.1	60.26
13	0.000298	0.000298	98310.1	29.3	59.27
14	0.000366	0.000366	98280.8	36.0	58.29
15	0.000394	0.000394	98244.8	38.7	57.31
16	0.000509	0.000509	98206.2	50.0	56.33
17	0.001048	0.001048	98156.2	102.9	55.36
18	0.001069	0.001069	98053.3	104.8	54.42
19	0.001040	0.001039	97948.5	101.8	53.48
20	0.000974	0.000973	97846.8	95.3	52.53
21	0.000846	0.000845	97751.5	82.6	51.58
22	0.000841	0.000841	97668.9	82.1	50.63
23	0.000820	0.000819	97586.8	79.9	49.67
24	0.000819	0.000819	97506.8	79.8	48.71
25	0.000790	0.000790	97427.0	77.0	47.75
26	0.000841	0.000840	97350.0	81.8	46.79
27	0.000833	0.000833	97268.2	81.0	45.82
28	0.000836	0.000836	97187.2	81.2	44.86
29	0.000883	0.000883	97106.0	85.7	43.90
30	0.000892	0.000892	97020.3	86.5	42.94
31	0.000907	0.000906	96933.8	87.8	41.98
32	0.000948	0.000947	96845.9	91.8	41.01
33	0.000951	0.000951	96754.2	92.0	40.05
34	0.001022	0.001021	96662.2	98.7	39.09
35	0.001139	0.001138	96563.5	109.9	38.13
36	0.001175	0.001174	96453.6	113.3	37.17
37	0.001360	0.001359	96340.3	130.9	36.21
38	0.001517	0.001516	96209.4	145.9	35.26
39	0.001627	0.001625	96063.5	156.1	34.32
40	0.001934	0.001932	95907.4	185.3	33.37
41	0.002179	0.002177	95722.1	208.4	32.43
42	0.002239	0.002236	95513.7	213.6	31.50
43	0.002567	0.002564	95300.1	244.3	30.57
44	0.002989	0.002985	95055.8	283.7	29.65
45	0.003322	0.003316	94772.1	314.3	28.74
46	0.003816	0.003809	94457.8	359.7	27.83
47	0.004247	0.004238	94098.0	398.8	26.94
48	0.004579	0.004569	93699.2	428.1	26.05
49	0.005509	0.005494	93271.1	512.4	25.17

National life table

age	mx
0	0.009865
1	0.000712
2	0.000450
3	0.000315
4	0.000244
5	0.000231
6	0.000215
7	0.000176
8	0.000204
9	0.000150
10	0.000202
11	0.000182
12	0.000169
13	0.000184
14	0.000223
15	0.000248
16	0.000322
17	0.000318
18	0.000370
19	0.000330
20	0.000358
21	0.000325
22	0.000359
23	0.000385
24	0.000381
25	0.000386
26	0.000420
27	0.000468
28	0.000435
29	0.000467
30	0.000536
31	0.000564
32	0.000578
33	0.000628
34	0.000691
35	0.000789
36	0.000872
37	0.000923
38	0.001045
39	0.001101
40	0.001278
41	0.001443
42	0.001535
43	0.001745
44	0.001933
45	0.002162
46	0.002449
47	0.002739
48	0.003050
49	0.003487

50	0.006189	0.006170	92758.7	572.3	24.30	50	0.003807
51	0.006718	0.006695	92186.4	617.2	23.45	51	0.004071
52	0.007711	0.007681	91569.2	703.3	22.60	52	0.004468
53	0.008806	0.008767	90865.9	796.7	21.78	53	0.005266
54	0.009865	0.009817	90069.2	884.2	20.96	54	0.005751
55	0.011194	0.011132	89185.0	992.8	20.17	55	0.006239
56	0.012229	0.012155	88192.2	1072.0	19.39	56	0.006800
57	0.013709	0.013616	87120.2	1186.2	18.62	57	0.007580
58	0.015164	0.015050	85934.0	1293.3	17.87	58	0.008041
59	0.017058	0.016914	84640.7	1431.6	17.14	59	0.009061
60	0.018470	0.018301	83209.1	1522.8	16.42	60	0.009849
61	0.019969	0.019772	81686.3	1615.1	15.72	61	0.010717
62	0.022266	0.022021	80071.2	1763.2	15.03	62	0.011720
63	0.024888	0.024582	78308.0	1924.9	14.35	63	0.013058
64	0.027534	0.027160	76383.1	2074.6	13.70	64	0.014192
65	0.030109	0.029662	74308.5	2204.1	13.07	65	0.015181
66	0.032337	0.031822	72104.3	2294.5	12.46	66	0.016726
67	0.035803	0.035173	69809.8	2455.4	11.85	67	0.018527
68	0.039365	0.038605	67354.4	2600.2	11.26	68	0.020055
69	0.043128	0.042218	64754.2	2733.8	10.69	69	0.021946
70	0.047738	0.046625	62020.4	2891.7	10.14	70	0.024825
71	0.052379	0.051042	59128.7	3018.0	9.62	71	0.027084
72	0.058617	0.056948	56110.6	3195.4	9.11	72	0.030348
73	0.064278	0.062276	52915.2	3295.4	8.63	73	0.033746
74	0.070060	0.067689	49619.9	3358.7	8.17	74	0.037677
75	0.076852	0.074008	46261.2	3423.7	7.72	75	0.042097
76	0.083677	0.080317	42837.5	3440.6	7.30	76	0.046486
77	0.091827	0.087796	39396.9	3458.9	6.89	77	0.051596
78	0.100663	0.095839	35938.0	3444.3	6.51	78	0.057765
79	0.110303	0.104538	32493.7	3396.8	6.14	79	0.064000
80	0.119797	0.113027	29096.9	3288.7	5.80	80	0.072589
81	0.129547	0.121666	25808.2	3140.0	5.48	81	0.080031
82	0.142742	0.133233	22668.2	3020.2	5.17	82	0.090815
83	0.154548	0.143462	19648.1	2818.8	4.89	83	0.101469
84	0.166433	0.153647	16829.3	2585.8	4.62	84	0.113309
85	0.177245	0.162816	14243.5	2319.1	4.37	85	0.125611
86	0.197624	0.179853	11924.5	2144.6	4.12	86	0.141491
87	0.213466	0.192879	9779.8	1886.3	3.92	87	0.152307
88	0.233421	0.209025	7893.5	1649.9	3.73	88	0.170410
89	0.236197	0.211248	6243.6	1318.9	3.59	89	0.191318
90	0.237390	0.212203	4924.6	1045.0	3.42	90	0.192035
91	0.257705	0.228290	3879.6	885.7	3.20	91	0.213731
92	0.284240	0.248870	2993.9	745.1	3.00	92	0.235907
93	0.305002	0.264644	2248.8	595.1	2.83	93	0.251449
94	0.342836	0.292668	1653.7	484.0	2.67	94	0.276127
95	0.349978	0.297857	1169.7	348.4	2.56	95	0.296628
96	0.375950	0.316463	821.3	259.9	2.44	96	0.319364
97	0.375573	0.316195	561.4	177.5	2.33	97	0.341946
98	0.412571	0.342017	383.9	131.3	2.18	98	0.371657
99	0.442935	0.362625	252.6	91.6	2.05	99	0.365848
100	0.47816	0.38590	161	62.1	1.94	100	0.44660

ears 1980-1982

s, Females

qx	lx	dx	ex
0.009817	100000.0	981.7	77.04
0.000711	99018.3	70.4	76.81
0.000449	98947.9	44.5	75.86
0.000315	98903.4	31.2	74.89
0.000244	98872.3	24.1	73.92
0.000231	98848.1	22.8	72.94
0.000215	98825.3	21.2	71.95
0.000176	98804.1	17.4	70.97
0.000204	98786.7	20.1	69.98
0.000150	98766.6	14.8	68.99
0.000202	98751.8	20.0	68.00
0.000182	98731.8	18.0	67.02
0.000169	98713.8	16.6	66.03
0.000184	98697.1	18.2	65.04
0.000223	98679.0	22.0	64.05
0.000248	98656.9	24.5	63.07
0.000322	98632.4	31.7	62.08
0.000318	98600.7	31.3	61.10
0.000370	98569.4	36.5	60.12
0.000330	98532.9	32.5	59.14
0.000358	98500.4	35.3	58.16
0.000325	98465.1	32.0	57.18
0.000359	98433.1	35.4	56.20
0.000385	98397.7	37.9	55.22
0.000381	98359.8	37.5	54.24
0.000386	98322.4	37.9	53.26
0.000420	98284.4	41.3	52.28
0.000468	98243.2	46.0	51.31
0.000435	98197.2	42.7	50.33
0.000467	98154.5	45.9	49.35
0.000536	98108.6	52.6	48.37
0.000564	98056.0	55.3	47.40
0.000578	98000.7	56.6	46.43
0.000627	97944.1	61.4	45.45
0.000691	97882.7	67.6	44.48
0.000789	97815.1	77.2	43.51
0.000872	97737.9	85.2	42.55
0.000923	97652.7	90.1	41.58
0.001045	97562.6	101.9	40.62
0.001100	97460.6	107.2	39.66
0.001277	97353.4	124.3	38.71
0.001442	97229.1	140.2	37.75
0.001533	97088.9	148.9	36.81
0.001743	96940.0	169.0	35.86
0.001931	96771.1	186.9	34.93
0.002160	96584.2	208.6	33.99
0.002446	96375.6	235.8	33.06
0.002735	96139.8	262.9	32.14
0.003045	95876.9	292.0	31.23
0.003481	95584.9	332.8	30.32

0.003800	95252.1	362.0	29.43
0.004063	94890.2	385.5	28.54
0.004458	94504.6	421.3	27.65
0.005252	94083.4	494.1	26.78
0.005735	93589.3	536.7	25.91
0.006219	93052.6	578.7	25.06
0.006777	92473.8	626.7	24.21
0.007551	91847.2	693.5	23.38
0.008009	91153.6	730.1	22.55
0.009020	90423.6	815.6	21.73
0.009801	89607.9	878.2	20.92
0.010660	88729.7	945.8	20.12
0.011651	87783.9	1022.8	19.33
0.012973	86761.1	1125.6	18.56
0.014092	85635.5	1206.8	17.79
0.015067	84428.7	1272.1	17.04
0.016587	83156.6	1379.3	16.29
0.018357	81777.3	1501.2	15.56
0.019856	80276.1	1593.9	14.84
0.021708	78682.2	1708.0	14.13
0.024521	76974.2	1887.5	13.44
0.026722	75086.7	2006.5	12.76
0.029895	73080.2	2184.7	12.10
0.033186	70895.5	2352.7	11.45
0.036980	68542.8	2534.7	10.83
0.041229	66008.0	2721.5	10.23
0.045430	63286.6	2875.1	9.65
0.050299	60411.5	3038.6	9.08
0.056143	57372.8	3221.1	8.54
0.062016	54151.8	3358.3	8.01
0.070047	50793.5	3557.9	7.51
0.076952	47235.6	3634.9	7.04
0.086870	43600.7	3787.6	6.58
0.096569	39813.1	3844.7	6.16
0.107234	35968.4	3857.0	5.77
0.118188	32111.4	3795.2	5.40
0.132143	28316.2	3741.8	5.06
0.141529	24574.4	3478.0	4.75
0.157030	21096.4	3312.8	4.45
0.174614	17783.6	3105.3	4.19
0.175212	14678.4	2571.8	3.97
0.193096	12106.5	2337.7	3.71
0.211017	9768.8	2061.4	3.47
0.223366	7707.4	1721.6	3.27
0.242629	5985.9	1452.3	3.06
0.258316	4533.5	1171.1	2.88
0.275390	3362.4	926.0	2.71
0.292019	2436.5	711.5	2.56
0.313415	1725.0	540.6	2.40
0.309274	1184.3	366.3	2.27
0.36508	818	298.6	2.07