



General Register Office  
*for*  
**SCOTLAND**  
*information about Scotland's people*

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***Life Expectancy for Administrative Areas  
within Scotland, 2002-2004***

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A National Statistics publication

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## Contents

1. Main Points .....	1
2. Introduction .....	2
3. Life Expectancy at Birth .....	2
4. Discussion of Results .....	3
4.1 Life expectancy at birth 2002-2004 .....	3
4.2 Accuracy of results .....	3
4.3 Comparisons between 1992-1994 and 2002-2004 .....	6
5. Notes and Definitions .....	9
6. Further information .....	12
7. Notes on Statistical Publications .....	22

## List of Tables

Table 1 Life expectancy at birth <sup>1</sup> in Scotland 2002-04 by administrative area, and comparisons with 1992-94 (Males) .....	14
Table 2 Life expectancy at birth <sup>1</sup> in Scotland 2002-04 by administrative area, and comparisons with 1992-94 (Females) .....	15
Table 3 Abridged life table, by sex, age and Council area, Scotland 2002-04 .....	16
Table 4 Abridged life table, by sex, age and NHS Board area, Scotland 2002-04 .....	19
Table 5 Life expectancy at birth <sup>1</sup> in Scotland 2002-04 by administrative area, with 95% upper and lower confidence intervals (Males and Females) .....	21

## List of Figures

Figure 1 Life Expectancy at birth 95% confidence intervals for Council areas, 2002-2004, Males and Females .....	4
Figure 2 Life expectancy at birth 95% confidence intervals for Health Board areas, 2002-2004, Males and Females .....	5
Figure 3 Percentage change in life expectancy at birth between 1992-94 and 2002-04, by Council area, Males and Females .....	7
Figure 4 Percentage change in life expectancy between 1992-94 and 2002-04, by Health Board area, males and females .....	8



## 1. Main Points

The key points in this report are:

- Life expectancy at birth for Scotland is 73.8 years for males and 79.0 years for females. This varies considerably amongst areas in Scotland;
- The council area with the highest male life expectancy was East Dunbartonshire (77.0 years), 7.7 years more than Glasgow City, the lowest (69.3 years);
- Aberdeenshire had the highest life expectancy for females (80.8 years), 4.4 years more than Glasgow City (lowest at 76.4 years);
- The health board with the lowest figure for both males and females was Greater Glasgow (71.2 and 77.5 years respectively). The highest figures were for Orkney Health Board: males (76.5 years) and females (80.5 years).

Compared with 10 years ago in 1992-1994:

- Life expectancy at birth for Scotland has improved from 71.7 years to 73.8 years for males and 77.4 years to 79.0 years for females;
- The gap between males and females is closing, dropping from 5.7 years to 5.2 years over the period;
- The gap between highest and lowest areas for male life expectancy at birth is increasing (from 6.8 years in 1992-1994 to 7.7 years in 2002-2004) and for females, the gap is decreasing (from 4.6 to 4.4 years);
- The biggest rise in life expectancy for males was in Orkney and Stirling (4.8%) and for females was in Shetland (3.3%);
- The smallest rise was in West Dunbartonshire (0.8%) for males and West Lothian (0.4%) for females.

## 2. Introduction

2.1 This paper summarises the Registrar General for Scotland's life expectancy figures for the period 2002-2004 for Council and Health Board areas of Scotland. It also compares these figures with results for 1992-1994. This is the first publication dedicated to life expectancy for administrative areas produced by the National Records of Scotland (NRS) and it is intended to be produced annually.

2.2 Results for previous years have been produced and published by the Office for National Statistics (ONS) and the results published in this report use ONS's methodology. See **Section 6.2** for more details.

2.3 The results for 2002-2004, given in **Table 1** and **Table 2**, have been ranked for ease of presentation. For council areas, this means that "1" is the area with the highest life expectancy and "32" the lowest. Similarly, Health Boards are ranked 1 to 15. See **Section 4.2** for more information about the reliability of the results.

## 3. Life Expectancy at Birth

3.1 The figures for 2002-2004 are a three year average. They are produced by aggregating deaths and population data for the three year period. Three years are needed to provide large enough numbers to ensure that the figures published in this report are sufficiently robust.

3.2 Life expectancy at birth for a given time period and area is an estimate of the average number of years a new born baby would survive if he/she experienced the particular area's age specific mortality rate for that time period throughout his/her life. The figure reflects mortality among those living in the area in each period, rather than mortality among those born in each area. It is not the number of years a baby born in the area in the period is expected to live, both because death rates are likely to change in the future and because many of the new borns may live elsewhere for at least some part of their lives.

3.3 Life expectancy at birth is also not a guide to the remaining expectancy of life at any given age. It reflects the fact that survival from a particular age depends only on mortality rates beyond that age, whereas, survival from birth is based on mortality rates at every age. See **Table 3** and **Table 4** for more details. Life expectancy at birth provides a useful measure of mortality rates actually experienced over a given period and, for past years, provides an objective means of comparison of the trends in mortality over time, between areas of a country and with other countries. More information on the methodology used is given in **Section 6.2**.

## 4. Discussion of Results

### 4.1 Life expectancy at birth 2002-2004

4.1.1 **Table 1** and **Table 2** show the areas with the highest and lowest life expectancy at birth in Scotland for 2002-2004 for council and health board areas.

4.1.2 For males, amongst the council areas, the lowest figure was for Glasgow City (69.3 years). This was the only area in Scotland where life expectancy at birth for males was less than 70 years in 2002-2004. The council area with the highest life expectancy for men was East Dunbartonshire (77.0 years).

4.1.3 Aberdeenshire has the highest life expectancy for females (80.8 years), 4.4 years more than Glasgow City, the area with the lowest figure (76.4 years).

4.1.4 Of the health board areas, the lowest figure for both males and females was for Greater Glasgow (71.2 and 77.5 years respectively). The highest was for Orkney Health Board for both males and females (76.5 and 80.5 years respectively).

4.1.5 **Table 3** and **Table 4** show expectation of life at an “exact age”. This is the average number of years that those at this age will live thereafter. These abridged life tables are constructed from the estimated population in 2002, 2003 and 2004 and the total number of deaths registered in these years. The column headed  $l_x$  shows the numbers who would survive to the exact age of  $x$ , out of 100,000 persons who, from birth, were subject to the mortality probabilities indicated by the death records for 2002-2004. Column  $e_x^o$  shows the expectation of life, that is, the average number of years of life left to persons aged exactly  $x$  who are subject to the 2002-2004 mortality probabilities from age  $x$  onwards. For example, a male aged 65 living in Glasgow City, could expect to live on average another 13.3 years, whereas a female aged 65 could expect to live on average another 17.1 years.

### 4.2 Accuracy of results

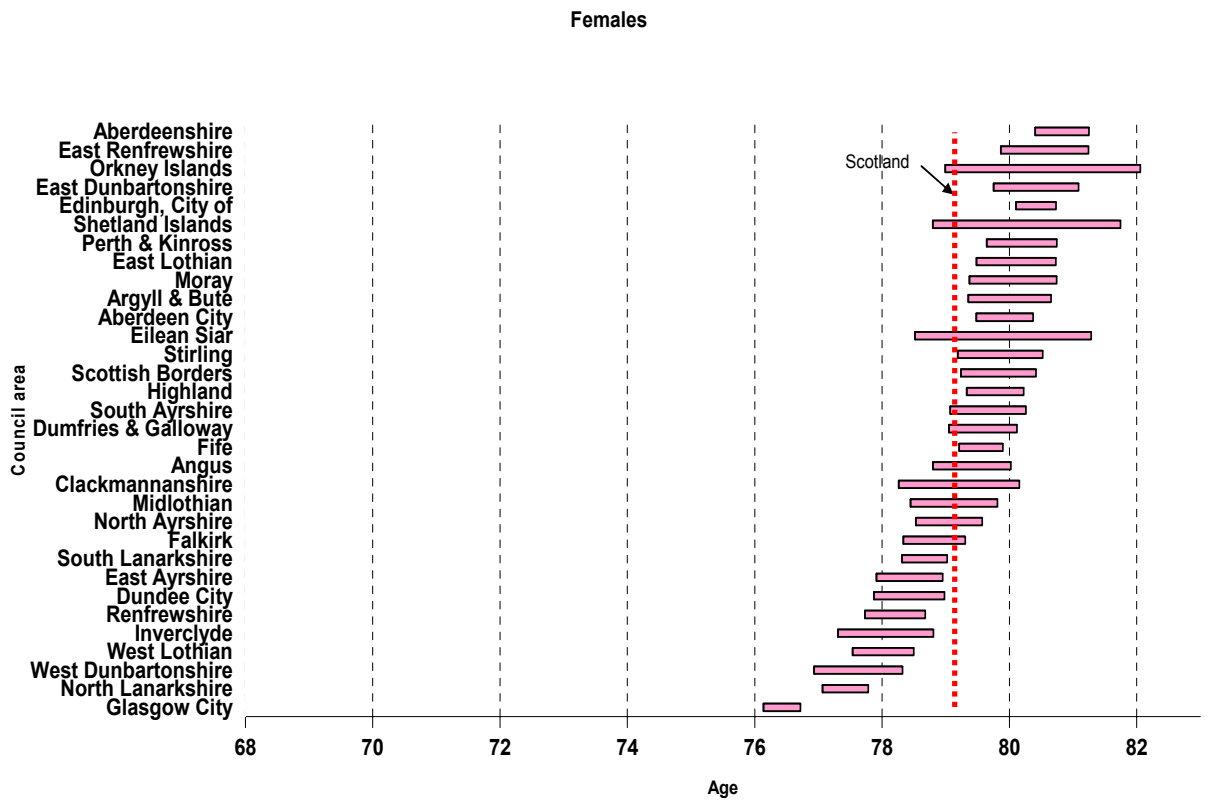
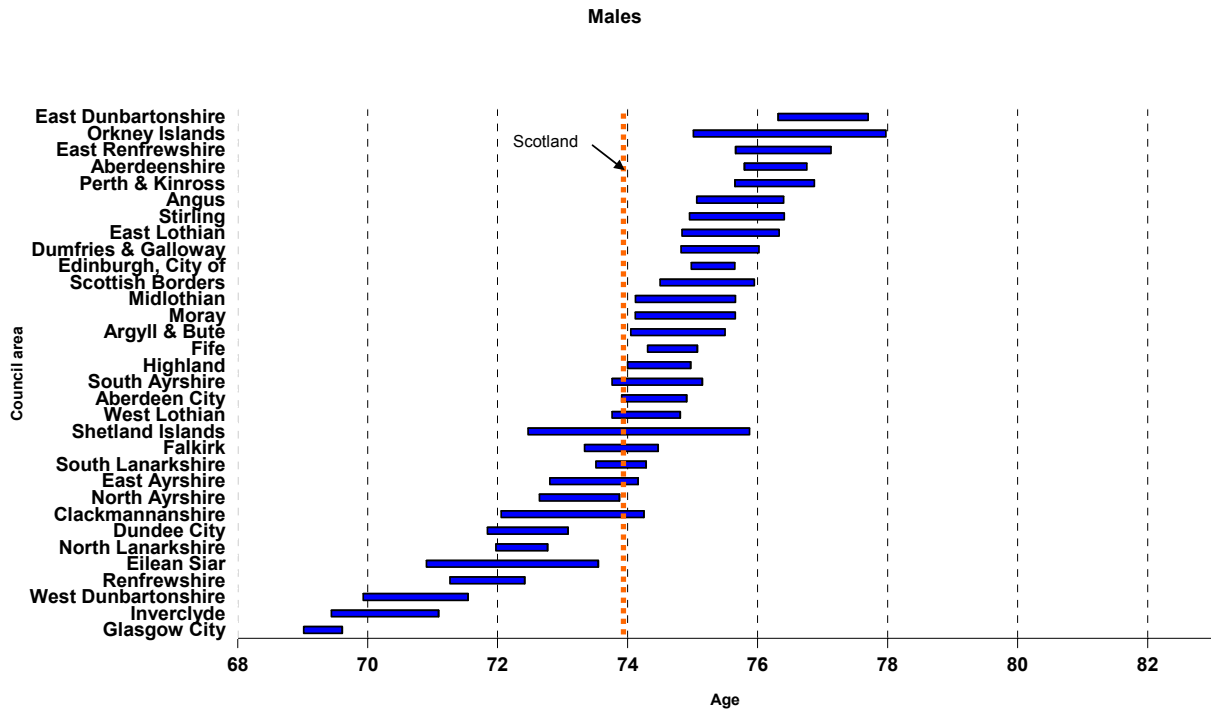
4.2.1 Life expectancy at birth, like most statistics, is an estimate which is subject to some margin of error. The accuracy of the results can be measured by calculating a confidence interval which provides a range of values within which the true underlying life expectancy would lie (with 95% probability).

4.2.2 The 95% confidence intervals for life expectancy at birth are given in **Table 5**, and are illustrated in **Figure 1** and **Figure 2** for council and health board areas within Scotland.

4.2.3 There is no simple “rule of thumb” for the size of confidence intervals, although it largely depends upon the size of the population, and so confidence intervals for areas with small populations tend to be wider.

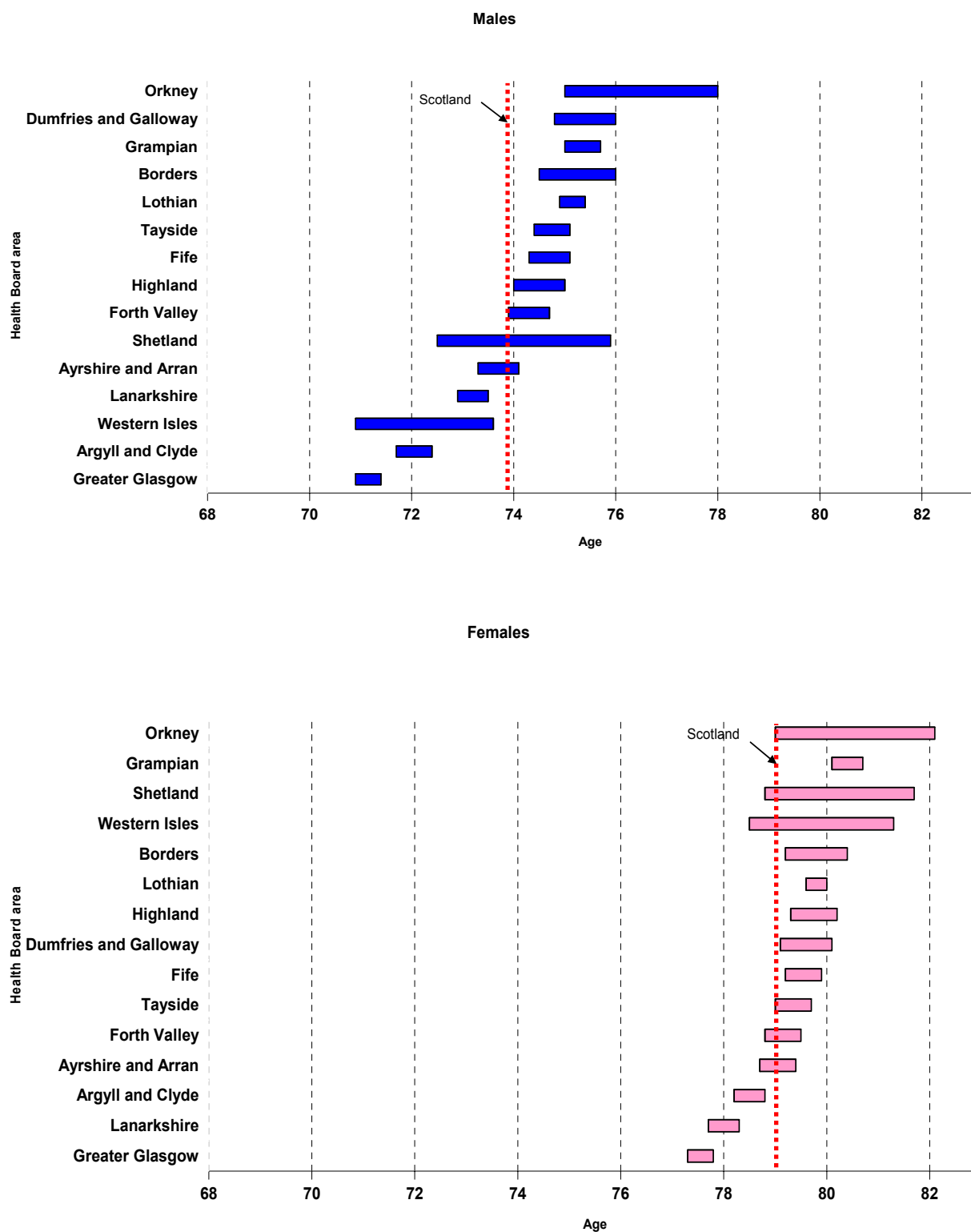
4.2.4 More information on the methods used to calculate the standard errors and confidence intervals used in this report can be found in the ONS methodology paper “Life expectancy at birth: methodological options for small populations”. See **Section 6.2.2** for how to access this report.

**Figure 1 Life Expectancy at birth 95% confidence intervals for Council areas, 2002-2004, Males and Females**





**Figure 2 Life expectancy at birth 95% confidence intervals for Health Board areas, 2002-2004, Males and Females**



### 4.3 Comparisons between 1992-1994 and 2002-2004

4.3.1 Overall, life expectancy at birth in Scotland has increased since 1992-1994 from 71.7 years to 73.8 years for males and 77.4 years to 79.0 years for females. **Table 1** and **Table 2** also show the highest and lowest ranking council and health board area for both periods. The tables show the gap between males and females is closing, from 5.7 years in 1992-1994 to 5.2 years in 2002-2004. For council areas, the gap between highest and lowest areas for male life expectancy at birth is increasing (from 6.8 years in 1992-1994 to 7.7 years in 2002-2004). For females, the gap is decreasing (from 4.6 to 4.4 years).

4.3.2 **Figure 3** shows the council areas with the highest and lowest percentage increase. For males, Stirling and Orkney had the largest increase with 4.8% and West Dunbartonshire the lowest with 0.8%. For females, the Shetland Islands had the largest increase with 3.3% and West Lothian the lowest with 0.4%.

4.3.3 **Figure 4** shows similar information for health boards. For males, Orkney had the largest increase at 4.8% and the Western Isles the lowest with 1.3%. For females, Shetland had the largest increase with 3.3% and Borders the lowest with 1.1%.

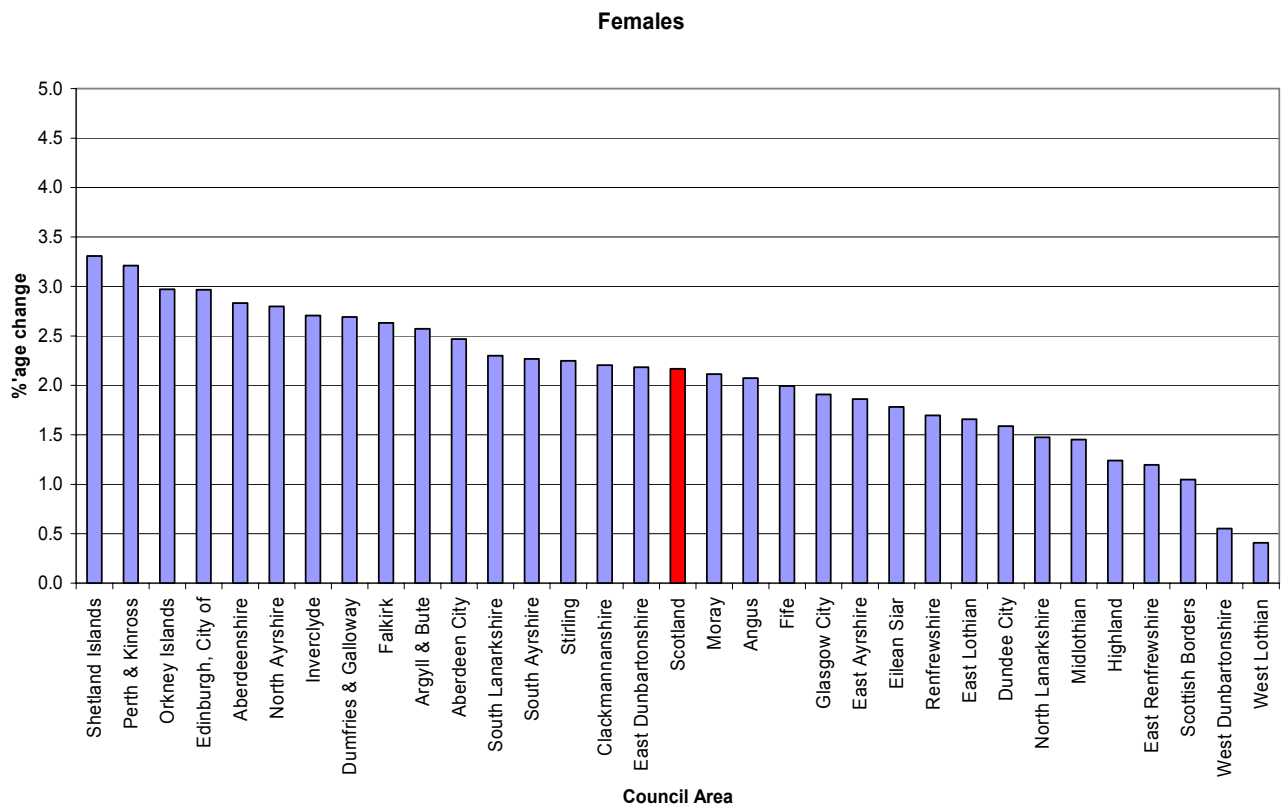
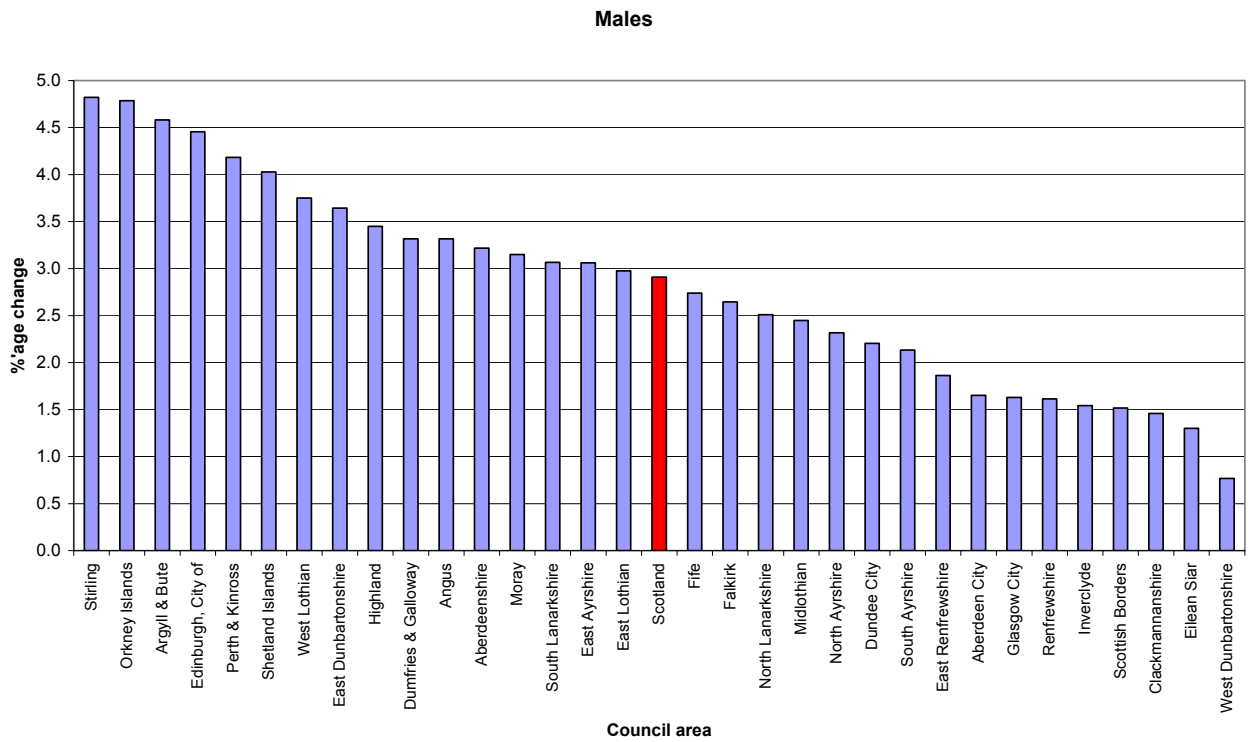
4.3.4 Over the 10 year period the ranking of many councils and health boards has changed (**Table 1** and **Table 2**). For males, amongst the council areas, Argyll & Bute has risen 9 places to 14<sup>th</sup> while Aberdeen City has fallen 11 places to 18<sup>th</sup>. For females, Shetland Islands has risen 13 places to 6<sup>th</sup> while Scottish Borders has fallen 12 places to 14<sup>th</sup>.

4.3.5 Of the health boards, Orkney has risen 3 places to 1<sup>st</sup> and Borders has fallen 3 places to 4<sup>th</sup> for males. For females, Shetland Islands has risen 5 places to 3<sup>rd</sup> and Highland fallen 5 places to 7<sup>th</sup>.

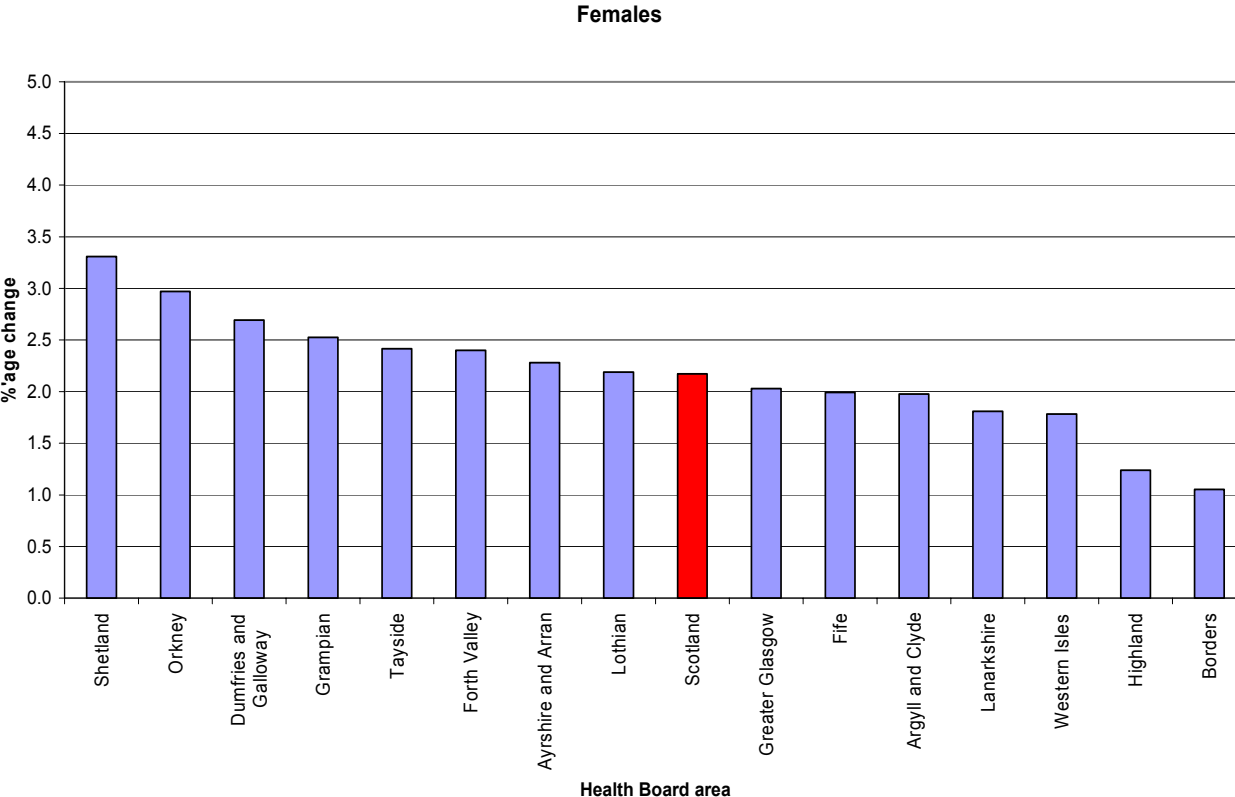
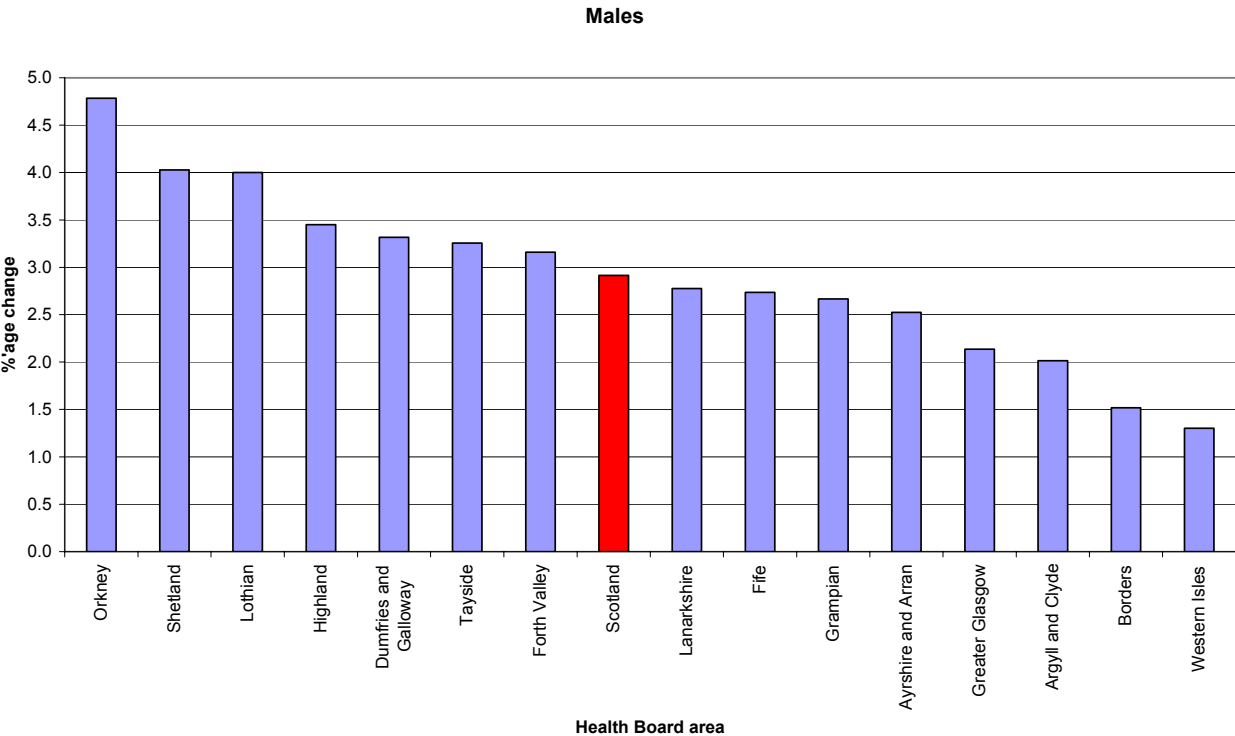
4.3.6 Of course it must be remembered that, when confidence intervals for the results are taken into account, the rise and fall of the rankings over time are not exact. Confidence intervals for 1992-1994 are not presented here, but they are available from the Office for National Statistics (ONS) website through the following link:

<http://www.statistics.gov.uk/StatBase/Product.asp?vlnk=8841&Pos=&ColRank=1&Rank=272>

**Figure 3 Percentage change in life expectancy at birth between 1992-94 and 2002-04, by Council area, Males and Females**



**Figure 4 Percentage change in life expectancy between 1992-94 and 2002-04, by Health Board area, males and females**



## 5. Notes and Definitions

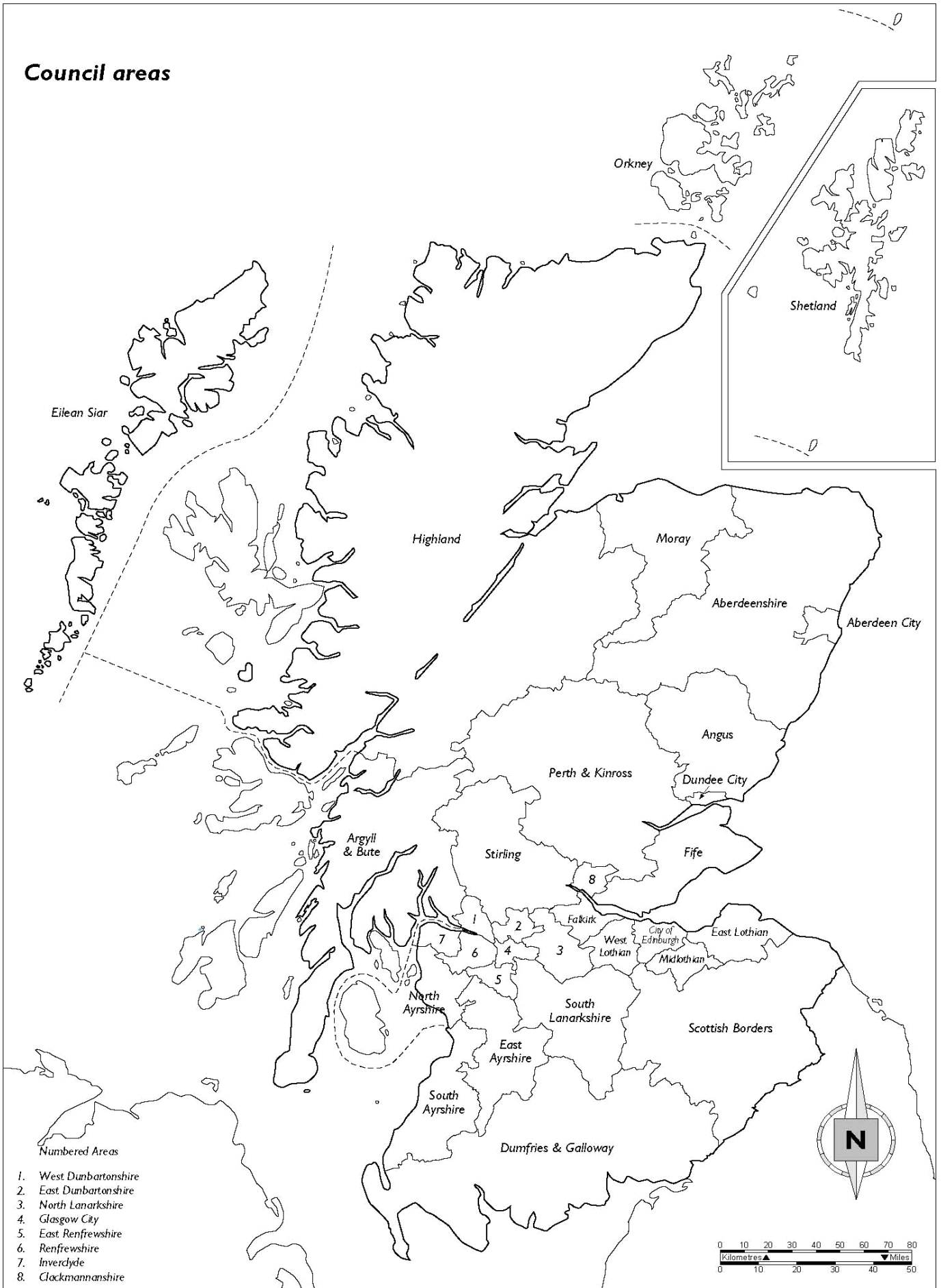
### 5.1 Administrative areas

5.1.1 The composition of the health board areas in terms of council areas is summarised in the table below. Maps of council and health board areas can be found on pages 10 and 11.

<b>Health Board Area</b>	<b>Council Area</b>
<b>Argyll &amp; Clyde</b>	Argyll & Bute, East Renfrewshire (part), Inverclyde, Renfrewshire, West Dunbartonshire, Stirling (part)
<b>Ayrshire &amp; Arran</b>	East Ayrshire, North Ayrshire, South Ayrshire
<b>Borders</b>	Scottish Borders
<b>Dumfries &amp; Galloway</b>	Dumfries & Galloway
<b>Fife</b>	Fife (part)
<b>Forth Valley</b>	Clackmannanshire, Falkirk (part), Stirling (part), Perth & Kinross (part)
<b>Grampian</b>	Aberdeen City, Aberdeenshire, Moray
<b>Greater Glasgow</b>	East Dunbartonshire, East Renfrewshire (part), Glasgow City, North Lanarkshire (part), South Lanarkshire (part), West Dunbartonshire (part)
<b>Highland</b>	Highland
<b>Lanarkshire</b>	North Lanarkshire (part), South Lanarkshire (part), West Lothian (part), East Renfrewshire (part)
<b>Lothian</b>	East Lothian, City of Edinburgh, Midlothian, West Lothian (part), Falkirk (part)
<b>Orkney</b>	Orkney Islands
<b>Shetland</b>	Shetland Islands
<b>Tayside</b>	Angus, Dundee City, Perth & Kinross (part), Fife (part)
<b>Western Isles</b>	Eilean Siar

Note: In practice there are some other very small “slivers” where health board and council area boundaries cross.

# Council areas



# Health board areas



## **6. Further information**

### **6.1 National life expectancy at birth**

6.1.1 The Government Actuary's Department (GAD) produces national life tables, which give statistics on expectation of life. Every ten years GAD also produces a set of graduated (smoothed) life tables for Scotland. Also, each year ungraduated interim life tables are produced for Scotland, based on data for a period of three consecutive calendar years. These latter are available for 1980-1982 to 2001-2003 from their website:

[http://www.gad.gov.uk/Life\\_Tables/Interim\\_life\\_tables.htm](http://www.gad.gov.uk/Life_Tables/Interim_life_tables.htm)

6.1.2 Because of the differences between complete (single year of age) and abridged (grouped years) life tables, the Scotland level figures presented in this report may differ slightly from those published by GAD. A detailed description of the standard methods and notation associated with the calculation of life expectancy can be found on the GAD website:

[http://www.gad.gov.uk/Life\\_Tables/methodology.htm](http://www.gad.gov.uk/Life_Tables/methodology.htm)

6.1.3 Period life expectancies are worked out using the age-specific mortality rates for a given period (either a single year, or a run of years), with no allowance for any later actual or projected changes in mortality. GAD also publish 'cohort' life expectancies for selected ages. Cohort life expectancies are worked out using age-specific mortality rates which allow for known or projected changes in mortality in later years. More information can be found on the GAD website:

[http://www.gad.gov.uk/Life\\_Tables/Period\\_and\\_cohort\\_eol.htm](http://www.gad.gov.uk/Life_Tables/Period_and_cohort_eol.htm)

6.1.4 GAD intends to publish Scotland level interim life tables for 2002-2004 in November 2005. Provisional figures for 2002-2004 are available in the vital events reference tables which go with "Scotland's Population 2004 - The Registrar General's Annual Review of Demographic Trends". These provisional results can be found on the NRS website:

<http://www.nrscotland.gov.uk/statistics-and-data/statistics/statistics-by-theme/vital-events/general-publications/vital-events-reference-tables/archive/2004/section-5-deaths>

### **6.2 Previously published life expectancy figures**

6.2.1 The last life expectancy report for council and health board areas within Scotland from 1991-1993 to 2001-2003 was published on the Office for National Statistics (ONS) website on 15 October 2004. It is available through the following link:

<http://www.statistics.gov.uk/StatBase/Product.asp?vlnk=8841&Pos=&ColRank=1&Rank=2>

72

6.2.2 A report which details the research undertaken by ONS to compare methodologies to allow the calculation of life expectancy figures and of confidence intervals can also be found on the Office for National Statistics website:

[http://www.statistics.gov.uk/downloads/theme\\_other/GSSMethodology\\_No\\_33.pdf](http://www.statistics.gov.uk/downloads/theme_other/GSSMethodology_No_33.pdf)



### **6.3 Other related data**

6.3.1 Information on healthy life expectancy (HLE) was published in March 2004 by the Information and Statistics Division (ISD) of the NHS. HLE is defined as the number of years people can expect to live in good health. The difference between healthy and life expectancy indicates the length of time people can expect to spend in poor health. More information on this work is available on the Scottish Public Health Observatory (ScotPHO) website at:

[http://www.scotpho.org.uk/web/site/home/Populationdynamics/Healthylifeexpectancy/hle\\_intro.asp](http://www.scotpho.org.uk/web/site/home/Populationdynamics/Healthylifeexpectancy/hle_intro.asp)

### **6.4 Planned revisions to historic figures**

6.4.1 It is planned to publish in the summer of 2006 revised life expectancy figures for 1982 to 1990 for Council and Health Board areas to allow comparisons for a longer time period.

### **6.5 Other data available from the National Records of Scotland (NRS)**

6.5.1 Estimates on the resident population of Scotland are prepared by NRS each year. These are available by sex and single year of age for Council and Health Board areas, together with historical data. Information is also available on a wide range of related topics such as small area population estimates, population projections, migration estimates and data from the 2001 and earlier Censuses of population. For further information please contact:

Customer Services  
Census Analysis and Dissemination Branch  
National Records of Scotland  
Ladywell House  
Ladywell Road  
EDINBURGH  
EH12 7TF  
Telephone: 0131 314 4243  
Fax: 0131 314 4696  
Email: [customer@gro-scotland.gsi.gov.uk](mailto:customer@gro-scotland.gsi.gov.uk)

**Table 1 Life expectancy at birth<sup>1</sup> in Scotland 2002-04 by administrative area, and comparisons with 1992-94 (Males)**

	2002-04 Years	1992-94 Years	2002-04 Rank	1992-94 Rank	Difference in years	% difference
<b>Scotland</b>	<b>73.8</b>	<b>71.7</b>	<b>-</b>	<b>-</b>	<b>2.1</b>	<b>2.9</b>
<b>Council</b>						
Aberdeen City	74.4	73.2	18	7	1.2	1.7
Aberdeenshire	76.3	73.9	4	4	2.4	3.2
Angus	75.7	73.3	6	6	2.4	3.3
Argyll & Bute	74.8	71.5	14	23	3.3	4.6
Clackmannanshire	73.2	72.1	25	16	1.1	1.5
Dumfries & Galloway	75.4	73.0	9	10	2.4	3.3
Dundee City	72.5	70.9	26	27	1.6	2.2
East Ayrshire	73.5	71.3	23	24	2.2	3.1
East Dunbartonshire	77.0	74.3	1	2	2.7	3.6
East Lothian	75.6	73.4	8	5	2.2	3.0
East Renfrewshire	76.4	75.0	3	1	1.4	1.9
Edinburgh, City of	75.3	72.1	10	17	3.2	4.5
Eilean Siar	72.2	71.3	28	25	0.9	1.3
Falkirk	73.9	72.0	21	18	1.9	2.6
Fife	74.7	72.7	15	13	2.0	2.7
Glasgow City	69.3	68.2	32	32	1.1	1.6
Highland	74.5	72.0	16	19	2.5	3.4
Inverclyde	70.3	69.2	31	31	1.1	1.5
Midlothian	74.9	73.1	13	9	1.8	2.4
Moray	74.9	72.6	12	14	2.3	3.1
North Ayrshire	73.3	71.6	24	21	1.7	2.3
North Lanarkshire	72.4	70.6	27	29	1.8	2.5
Orkney Islands	76.5	73.0	2	11	3.5	4.8
Perth & Kinross	76.3	73.2	5	8	3.1	4.2
Renfrewshire	71.8	70.7	29	28	1.1	1.6
Scottish Borders	75.2	74.1	11	3	1.1	1.5
Shetland Islands	74.2	71.3	20	26	2.9	4.0
South Ayrshire	74.5	72.9	17	12	1.6	2.1
South Lanarkshire	73.9	71.7	22	20	2.2	3.1
Stirling	75.7	72.2	7	15	3.5	4.8
West Dunbartonshire	70.7	70.2	30	30	0.5	0.8
West Lothian	74.3	71.6	19	22	2.7	3.8
<b>Health Board</b>						
Argyll and Clyde	72.0	70.6	14	14	1.4	2.0
Ayrshire and Arran	73.7	71.9	11	10	1.8	2.5
Borders	75.2	74.1	4	1	1.1	1.5
Dumfries and Galloway	75.4	73.0	2	3	2.4	3.3
Fife	74.7	72.7	7	5	2.0	2.7
Forth Valley	74.3	72.0	9	8	2.3	3.2
Grampian	75.4	73.4	3	2	2.0	2.7
Greater Glasgow	71.2	69.7	15	15	1.5	2.1
Highland	74.5	72.0	8	9	2.5	3.4
Lanarkshire	73.2	71.2	12	13	2.0	2.8
Lothian	75.2	72.3	5	7	2.9	4.0
Orkney	76.5	73.0	1	4	3.5	4.8
Shetland	74.2	71.3	10	11	2.9	4.0
Tayside	74.8	72.4	6	6	2.4	3.3
Western Isles	72.2	71.3	13	12	0.9	1.3

Source: 1992-94 figures provided by the Office for National Statistics.

<sup>1</sup> The results may vary significantly from year to year, particularly those based on small populations.

**Table 2 Life expectancy at birth<sup>1</sup> in Scotland 2002-04 by administrative area, and comparisons with 1992-94 (Females)**

	2002-04 Years	1992-94 Years	2002-04 Rank	1992-94 Rank	Difference in years	% difference
<b>Scotland</b>	<b>79.0</b>	<b>77.4</b>	<b>-</b>	<b>-</b>	<b>1.7</b>	<b>2.2</b>
<b>Council</b>						
Aberdeen City	79.9	78.0	11	12	1.9	2.5
Aberdeenshire	80.8	78.6	1	6	2.2	2.8
Angus	79.4	77.8	19	17	1.6	2.1
Argyll & Bute	80.0	78.0	10	13	2.0	2.6
Clackmannanshire	79.2	77.5	20	21	1.7	2.2
Dumfries & Galloway	79.6	77.5	17	22	2.1	2.7
Dundee City	78.4	77.2	26	23	1.2	1.6
East Ayrshire	78.4	77.0	25	25	1.4	1.9
East Dunbartonshire	80.4	78.7	4	5	1.7	2.2
East Lothian	80.1	78.8	8	3	1.3	1.7
East Renfrewshire	80.6	79.6	2	1	1.0	1.2
Edinburgh, City of	80.4	78.1	5	10	2.3	3.0
Eilean Siar	79.9	78.5	12	7	1.4	1.8
Falkirk	78.8	76.8	23	29	2.0	2.6
Fife	79.6	78.0	18	14	1.6	2.0
Glasgow City	76.4	75.0	32	32	1.4	1.9
Highland	79.8	78.8	15	4	1.0	1.2
Inverclyde	78.1	76.0	28	31	2.1	2.7
Midlothian	79.1	78.0	21	15	1.1	1.5
Moray	80.1	78.4	9	8	1.7	2.1
North Ayrshire	79.1	76.9	22	26	2.2	2.8
North Lanarkshire	77.4	76.3	31	30	1.1	1.5
Orkney Islands	80.5	78.2	3	9	2.3	3.0
Perth & Kinross	80.2	77.7	7	18	2.5	3.2
Renfrewshire	78.2	76.9	27	27	1.3	1.7
Scottish Borders	79.8	79.0	14	2	0.8	1.0
Shetland Islands	80.3	77.7	6	19	2.6	3.3
South Ayrshire	79.7	77.9	16	16	1.8	2.3
South Lanarkshire	78.7	76.9	24	28	1.8	2.3
Stirling	79.9	78.1	13	11	1.8	2.2
West Dunbartonshire	77.6	77.2	30	24	0.4	0.6
West Lothian	78.0	77.7	29	20	0.3	0.4
<b>Health Board</b>						
Argyll and Clyde	78.5	77.0	13	13	1.5	2.0
Ayrshire and Arran	79.1	77.3	12	11	1.8	2.3
Borders	79.8	79.0	5	1	0.8	1.1
Dumfries and Galloway	79.6	77.5	8	9	2.1	2.7
Fife	79.6	78.0	9	7	1.6	2.0
Forth Valley	79.2	77.3	11	12	1.9	2.4
Grampian	80.4	78.4	2	4	2.0	2.5
Greater Glasgow	77.5	76.0	15	15	1.5	2.0
Highland	79.8	78.8	7	2	1.0	1.2
Lanarkshire	78.0	76.6	14	14	1.4	1.8
Lothian	79.8	78.1	6	6	1.7	2.2
Orkney	80.5	78.2	1	5	2.3	3.0
Shetland	80.3	77.7	3	8	2.6	3.3
Tayside	79.4	77.5	10	10	1.9	2.4
Western Isles	79.9	78.5	4	3	1.4	1.8

Source: 1992-94 figures provided by the Office for National Statistics.

<sup>1</sup> The results may vary significantly from year to year, particularly those based on small populations.

**Table 3 Abridged life table, by sex, age and Council area, Scotland 2002-04**

Age x	Scotland				Aberdeen City				Aberdeenshire				Angus				Argyll and Bute				Clackmannanshire			
	Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$
0	100,000	73.79	100,000	79.03	100,000	74.41	100,000	79.93	100,000	76.28	100,000	80.83	100,000	75.73	100,000	79.41	100,000	74.78	100,000	80.01	100,000	73.15	100,000	79.21
1	99,413	73.22	99,572	78.37	99,386	73.87	99,690	79.17	99,477	75.68	99,713	80.06	99,454	75.15	99,683	78.66	99,437	74.20	99,827	79.14	99,112	72.81	99,422	78.67
5	99,293	69.31	99,476	74.44	99,288	69.94	99,513	75.31	99,353	71.77	99,686	76.08	99,396	71.19	99,683	74.66	99,361	70.25	99,750	75.20	99,112	68.81	99,422	74.67
10	99,235	64.35	99,421	69.48	99,226	64.98	99,513	70.31	99,309	66.80	99,662	71.10	99,345	66.22	99,417	69.86	99,361	65.25	99,750	70.20	99,112	63.81	99,312	69.75
15	99,154	59.40	99,355	64.52	99,167	60.02	99,361	65.41	99,229	61.85	99,600	66.14	99,205	61.31	99,317	64.92	99,304	60.29	99,750	65.20	99,013	58.87	99,214	64.81
20	98,817	54.59	99,180	59.63	98,747	55.26	99,188	60.52	98,881	57.06	99,361	61.29	98,866	56.52	98,994	60.13	98,913	55.52	99,332	60.47	98,705	54.04	99,102	59.88
25	98,234	49.90	98,984	54.75	98,352	50.48	99,135	55.56	98,069	52.51	99,047	56.48	98,427	51.76	98,649	55.33	98,461	50.76	99,016	55.65	97,589	49.63	98,843	55.03
30	97,542	45.24	98,758	49.87	97,680	45.81	98,932	50.66	97,459	47.83	98,770	51.63	97,774	47.09	98,388	50.47	98,025	45.98	98,930	50.70	96,284	45.27	98,460	50.24
35	96,742	40.59	98,455	45.01	96,972	41.12	98,493	45.88	96,748	43.16	98,487	46.77	96,922	42.48	98,204	45.56	97,227	41.33	98,628	45.85	95,780	40.50	98,362	45.29
40	95,775	35.98	97,970	40.22	95,849	36.57	98,074	41.06	96,142	38.42	98,181	41.91	96,031	37.85	97,851	40.72	96,283	36.71	98,090	41.08	94,783	35.90	97,956	40.46
45	94,508	31.42	97,280	35.49	94,469	32.07	97,528	36.28	95,329	33.72	97,784	37.07	95,401	33.08	97,089	36.02	95,255	32.08	97,321	36.39	92,949	31.56	97,196	35.76
50	92,671	27.00	96,084	30.90	92,928	27.56	96,337	31.70	94,242	29.08	96,708	32.46	93,949	28.56	96,010	31.39	93,274	27.71	95,940	31.88	91,364	27.06	96,634	30.95
55	89,840	22.77	94,271	26.45	90,495	23.24	94,652	27.22	92,293	24.64	95,730	27.76	92,587	23.94	94,202	26.95	90,257	23.55	94,454	27.34	88,271	22.92	95,513	26.29
60	85,593	18.77	91,504	22.17	86,108	19.29	92,325	22.84	89,222	20.41	93,606	23.33	88,943	19.82	91,988	22.54	86,177	19.55	92,139	22.96	83,870	18.99	92,816	21.98
65	78,470	15.25	87,061	18.18	78,880	15.83	88,428	18.74	83,921	16.54	89,976	19.18	83,156	16.02	88,618	18.30	79,380	16.01	88,972	18.69	77,353	15.38	88,186	18.00
70	68,951	12.01	80,453	14.46	70,140	12.49	83,009	14.80	76,164	12.97	84,668	15.22	74,908	12.51	82,609	14.45	71,057	12.59	82,737	14.91	68,372	12.07	80,835	14.41
75	55,902	9.23	70,622	11.13	58,104	9.56	74,212	11.25	63,821	9.99	75,890	11.69	62,053	9.58	74,322	10.78	59,688	9.52	74,680	11.25	56,171	9.15	69,918	11.27
80	39,946	6.92	56,501	8.28	42,571	7.14	60,430	8.25	47,598	7.54	62,240	8.71	46,873	6.88	58,793	7.96	44,033	7.01	60,919	8.23	41,359	6.54	56,143	8.42
85	23,367	5.06	38,850	5.91	25,689	5.19	42,017	5.77	30,252	5.44	43,699	6.34	27,658	4.92	39,926	5.55	25,867	5.18	42,199	5.77	23,720	4.54	38,285	6.19
Age x	Dumfries and Galloway				Dundee City				East Ayrshire				East Dunbartonshire				East Lothian				East Refrewshire			
	Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$	$l_x$	$e_x^\circ$
0	100,000	75.42	100,000	79.59	100,000	72.46	100,000	78.43	100,000	73.48	100,000	78.43	100,000	77.01	100,000	80.42	100,000	75.58	100,000	80.11	100,000	76.40	100,000	80.55
1	99,604	74.72	99,695	78.83	99,350	71.94	99,534	77.79	99,344	72.97	99,779	77.61	99,525	76.37	99,130	80.12	99,590	74.89	99,794	79.27	99,651	75.66	99,416	80.02
5	99,419	70.86	99,498	74.98	99,116	68.10	99,388	73.90	98,924	69.27	99,779	73.61	99,409	72.46	99,004	76.22	99,464	70.99	99,730	75.32	99,589	71.71	99,348	76.08
10	99,419	65.86	99,379	70.07	99,073	63.13	99,388	68.90	98,879	64.30	99,779	68.61	99,409	67.46	99,004	71.22	99,409	66.03	99,730	70.32	99,536	66.75	99,348	71.08
15	99,281	60.94	99,343	65.09	98,879	58.25	99,388	63.90	98,839	59.32	99,779	63.61	99,409	62.46	98,959	66.25	99,357	61.06	99,458	65.51	99,486	61.78	99,190	66.19
20	98,844	56.20	99,221	60.17	98,552	53.43	99,260	58.98	98,381	54.59	99,691	58.66	99,187	57.60	98,912	61.28	99,181	56.16	99,327	60.59	99,379	56.84	99,076	61.26
25	98,171	51.57	98,676	55.49	98,085	48.68	99,157	54.04	97,410	50.11	99,639	53.69	98,632	52.91	98,854	56.32	98,314	51.64	99,143	55.70	98,976	52.06	98,782	56.44
30	97,313	47.00	98,626	50.52	97,505	43.95	98,819	49.22	96,640	45.49	99,221	48.91	97,830	48.32	98,559	51.48	97,609	46.99	99,066	50.74	98,205	47.45	98,513	51.58
35	96,437	42.41	98,408	45.62	96,555	39.36	98,268	44.48	96,046	40.75	99,107	43.96	97,227	43.60	98,244	46.64	96,762	42.38	98,666	45.93	97,574	42.74	98,335	46.67
40	95,670	37.73	97,971	40.81	95,147	34.91	97,562	39.78	95,225	36.08	98,778	39.10	96,791	38.79	98,014	41.74	96,180	37.62	98,375	41.06	97,014	37.98	97,948	41.85
45	94,669	33.10	97,187	36.12	93,416	30.51	96,711	35.11	94,206	31.45	97,875	34.43	96,141	34.03	97,496	36.95	95,413	32.90	97,780	36.30	96,185	33.28	97,466	37.04
50	93,228	28.57	96,024	31.53	90,658	26.36	95,200	30.63	92,490	26.98	96,599	29.86	95,002	29.41	96,603	32.27	94,597	28.17	96,532	31.73	94,889	28.70	96,877	32.25
55	90,957	24.22	94,471	27.01	87,305	22.27	92,948	26.31	90,586	22.50	94,601	25.43	93,086	24.97	95,373	27.65	91,976	23.90	94,962	27.22	92,862	24.27	95,032	27.83
60	87,919	19.98	92,077	22.64	82,440	18.44	89,931	22.11	86,456	18.45	91,427	21.23	89,587	20.84	93,161	23.25	88,521	19.73	92,732	22.81	88,562	20.33	92,465	23.53
65	81,869	16.27	87,654	18.66	74,735	15.08	84,877	18.28	79,174	14.92	86,832	17.22	84,998	16.83	89,015	19.22	82,639	15.96	89,729	18.49	83,628	16.38	88,716	19.42
70	73,968	12.74	81,631	14.85	64,621	12.05	77,997	14.67	69,806	11.59	79,122	13.66	76,152	13.50	83,541	15.31	74,112	12.51	83,063	14.78	75,530	12.87	84,360	15.29
75	62,492	9.62	72,084	11.49	52,030	9.37	67,344	11.59	55,897	8.85	68,868	10.32	65,808	10.23	75,255	11.72	60,668	9.73	74,313	11.22	62,860	9.96	75,660	11.76
80	47,187	6.93	59,585	8.38	36,562	7.27	54,944	8.65	38,624	6.69	52,577	7.74	49,419	7.79	62,739	8.56	46,330	6.96	60,872	8.15	46,224	7.65	62,870	8.65
85	27,770	5.02	40,539	6.14	21,878	5.47	39,327	6.09	22,198	4.79	34,575	5.47	33,028	5.42	44,540	6.04	28,074	4.86	41,881	5.71	30,867	5.21	46,808	5.76

Table 3 (continued)

Age x	Edinburgh, City of				Eilean Siar				Falkirk				Fife				Glasgow City				Highland			
	Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$
0	100,000	75.31	100,000	80.42	100,000	72.23	100,000	79.90	100,000	73.90	100,000	78.82	100,000	74.69	100,000	79.56	100,000	69.31	100,000	76.43	100,000	74.48	100,000	79.78
1	99,382	74.78	99,497	79.82	100,000	71.23	99,476	79.32	99,266	73.45	99,610	78.13	99,251	74.25	99,569	78.90	99,336	68.77	99,372	75.91	99,810	73.63	99,740	78.98
5	99,321	70.83	99,368	75.92	100,000	67.23	99,476	75.32	99,226	69.48	99,610	74.13	99,166	70.32	99,461	74.98	99,239	64.84	99,225	72.02	99,693	69.71	99,581	75.11
10	99,278	65.86	99,352	70.94	100,000	62.23	99,476	70.32	99,189	64.50	99,533	69.18	99,071	65.38	99,397	70.03	99,134	59.91	99,203	67.04	99,590	64.78	99,390	70.25
15	99,209	60.90	99,265	66.00	99,813	57.34	99,275	65.46	99,155	59.53	99,497	64.21	98,972	60.44	99,308	65.09	99,047	54.96	99,101	62.10	99,472	59.85	99,365	65.26
20	99,000	56.02	99,168	61.06	99,404	52.56	99,275	60.46	98,974	54.63	99,497	59.21	98,467	55.74	99,102	60.22	98,700	50.14	98,860	57.25	98,953	55.15	99,307	60.30
25	98,653	51.21	99,036	56.14	97,595	48.49	97,953	56.24	98,511	49.87	99,299	54.32	97,987	51.00	98,817	55.39	98,117	45.42	98,677	52.35	98,171	50.57	99,009	55.47
30	98,199	46.44	98,906	51.21	97,078	43.74	97,953	51.24	98,033	45.11	99,149	49.40	97,317	46.34	98,642	50.48	97,289	40.79	98,370	47.51	97,354	45.98	98,779	50.60
35	97,740	41.64	98,731	46.29	96,259	39.09	97,953	46.24	97,222	40.46	98,887	44.52	96,827	41.56	98,364	45.62	95,950	36.32	97,923	42.71	96,652	41.29	98,324	45.82
40	96,980	36.95	98,288	41.49	95,746	34.28	97,092	41.63	96,254	35.84	98,570	39.66	96,086	36.86	97,903	40.82	94,240	31.94	97,180	38.02	95,878	36.61	97,855	41.03
45	95,824	32.36	97,739	36.71	93,660	29.99	96,917	36.70	95,282	31.18	97,777	34.96	94,875	32.30	97,345	36.04	92,117	27.62	96,282	33.35	94,528	32.09	97,055	36.35
50	94,202	27.88	96,682	32.08	91,708	25.58	95,134	32.34	93,428	26.75	96,787	30.29	93,465	27.75	96,290	31.41	89,090	23.47	94,594	28.90	92,752	27.66	95,637	31.85
55	91,520	23.62	95,068	27.59	87,574	21.67	94,445	27.56	90,754	22.47	95,100	25.79	91,042	23.42	94,621	26.92	84,519	19.60	91,838	24.69	90,005	23.43	94,041	27.35
60	87,454	19.60	92,543	23.27	83,976	17.49	91,171	23.46	86,250	18.51	92,219	21.51	87,791	19.19	92,087	22.59	78,036	16.02	87,926	20.68	86,036	19.39	91,358	23.07
65	80,637	16.05	88,353	19.26	76,007	14.06	87,751	19.27	79,245	14.92	87,995	17.43	81,554	15.47	88,508	18.40	66,990	13.25	81,679	17.07	80,021	15.66	87,465	18.99
70	72,244	12.62	82,544	15.43	65,974	10.82	81,822	15.49	69,339	11.70	81,221	13.67	72,270	12.14	81,820	14.70	54,619	10.69	73,107	13.78	70,686	12.40	82,100	15.07
75	59,663	9.76	74,331	11.86	52,454	7.96	74,433	11.78	54,584	9.19	69,797	10.50	59,438	9.22	71,802	11.40	40,760	8.47	61,852	10.83	58,234	9.52	73,380	11.56
80	43,292	7.50	60,768	8.95	34,597	5.78	61,930	8.65	40,256	6.57	55,071	7.64	43,117	6.76	57,906	8.54	27,045	6.50	47,929	8.25	43,389	6.92	60,416	8.51
85	26,785	5.59	44,605	6.29	18,445	3.65	45,619	5.85	21,964	4.95	36,306	5.29	24,817	4.90	40,498	6.13	14,478	4.98	32,178	6.07	25,836	4.92	42,152	6.11
Age x	Inverclyde				Midlothian				Moray				North Ayrshire				North Lanarkshire				Orkney Islands			
	Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$
0	100,000	70.27	100,000	78.06	100,000	74.89	100,000	79.13	100,000	74.89	100,000	80.06	100,000	73.26	100,000	79.05	100,000	72.37	100,000	77.42	100,000	76.49	100,000	80.52
1	99,049	69.94	99,025	77.82	99,635	74.16	99,755	78.33	99,238	74.46	99,670	79.32	99,496	72.63	99,803	78.21	99,398	71.81	99,460	76.85	100,000	75.49	99,236	80.14
5	98,974	65.99	98,945	73.88	99,492	70.27	99,612	74.43	99,098	70.56	99,517	75.44	99,357	68.73	99,567	74.39	99,174	67.97	99,406	72.89	100,000	71.49	99,236	76.14
10	98,974	60.99	98,945	68.88	99,427	65.31	99,612	69.43	99,039	65.60	99,388	70.54	99,357	63.73	99,485	69.45	99,142	62.99	99,321	67.95	99,738	66.67	99,236	71.14
15	98,914	56.03	98,882	63.93	99,427	60.31	99,551	64.48	99,039	60.60	99,388	65.54	99,322	58.75	99,485	64.45	98,992	58.08	99,289	62.97	99,738	61.67	98,992	66.31
20	98,856	51.06	98,702	59.04	99,175	55.46	99,354	59.60	98,759	55.77	99,190	60.66	98,879	54.00	99,372	59.52	98,674	53.26	99,042	58.12	98,929	57.16	98,992	61.31
25	98,010	46.48	98,634	54.08	98,603	50.77	99,190	54.69	97,992	51.19	98,901	55.83	97,945	49.49	99,110	54.67	98,061	48.58	98,911	53.19	98,929	52.16	98,992	56.31
30	96,377	42.22	98,558	49.12	97,594	46.26	98,948	49.82	97,134	46.62	98,823	50.87	97,389	44.76	98,973	49.74	97,326	43.92	98,711	48.29	98,137	47.56	98,629	51.51
35	95,293	37.68	98,383	44.20	96,960	41.55	98,604	44.99	96,700	41.81	98,714	45.93	96,645	40.09	98,763	44.84	96,431	39.31	98,300	43.49	97,579	42.82	98,361	46.64
40	93,944	33.18	97,862	39.42	96,095	36.90	98,222	40.15	95,740	37.21	98,229	41.14	95,446	35.56	98,413	39.99	95,322	34.74	97,721	38.73	97,164	37.99	97,053	42.24
45	92,084	28.80	97,065	34.73	95,137	32.25	97,696	35.35	94,960	32.49	97,516	36.42	94,327	30.95	97,475	35.35	93,898	30.23	96,950	34.02	96,525	33.22	96,388	37.51
50	89,194	24.65	96,046	30.07	93,876	27.65	96,613	30.72	93,182	28.06	96,264	31.86	92,194	26.61	96,429	30.71	91,781	25.87	95,678	29.44	94,717	28.81	95,937	32.68
55	85,387	20.64	93,670	25.77	91,532	23.29	94,737	26.28	90,854	23.72	94,555	27.40	89,066	22.45	94,339	26.33	88,476	21.74	93,233	25.14	91,904	24.61	95,706	27.75
60	79,470	16.99	90,464	21.59	87,864	19.16	92,039	21.98	87,646	19.50	92,234	23.02	84,166	18.62	91,879	21.97	83,753	17.82	90,084	20.93	88,675	20.42	93,913	23.23
65	70,164	13.91	85,208	17.77	82,346	15.28	88,090	17.85	82,434	15.57	89,402	18.67	77,223	15.07	87,028	18.06	75,970	14.39	84,685	17.11	83,655	16.50	89,895	19.16
70	60,059	10.83	77,978	14.18	73,628	11.79	81,048	14.19	73,248	12.21	83,433	14.83	67,506	11.87	80,724	14.27	64,842	11.43	77,384	13.49	75,776	12.95	85,237	15.07
75	46,416	8.28	66,529	11.20	60,904	8.73	71,414	10.76	60,614	9.23	75,141	11.19	54,610	9.09	70,820	10.92	51,634	8.72	65,638	10.45	62,685	10.13	75,097	11.77
80	30,320	6.35	52,565	8.50	42,925	6.34	55,398	8.15	43,008	6.99	62,097	8.02	38,559	6.83	56,863	7.99	34,856	6.71	49,903	7.96	47,534	7.57	60,723	8.96
85	16,305	4.66	36,086	6.25	23,460	4.53	36,375	6.10	26,275	4.85	42,517	5.56	21,980	5.10	37,330	5.86	19,761	4.93	32,528	5.88	30,073	5.51	44,374	6.34

Table 3 (continued)

Age x	Perth & Kinross				Renfrewshire				Scottish Borders				Shetland Islands				South Ayrshire				South Lanarkshire			
	Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$
0	100,000	76.26	100,000	80.19	100,000	71.84	100,000	78.20	100,000	75.22	100,000	79.83	100,000	74.17	100,000	80.27	100,000	74.46	100,000	79.67	100,000	73.90	100,000	78.67
1	99,455	75.68	99,732	79.41	99,008	71.56	99,660	77.47	99,219	74.82	99,492	79.23	98,679	74.16	99,392	79.76	99,276	74.00	99,651	78.94	99,624	73.18	99,618	77.97
5	99,409	71.71	99,635	75.49	98,901	67.64	99,587	73.53	99,044	70.94	99,374	75.33	98,679	70.16	98,861	76.18	99,156	70.08	99,585	75.00	99,564	69.22	99,598	73.99
10	99,409	66.71	99,592	70.52	98,710	62.76	99,587	68.53	98,942	66.01	99,374	70.33	98,679	65.16	98,861	71.18	99,048	65.16	99,585	70.00	99,547	64.23	99,468	69.08
15	99,299	61.79	99,472	65.60	98,592	57.83	99,463	63.61	98,849	61.07	99,374	65.33	98,679	60.16	98,861	66.18	99,001	60.19	99,536	65.03	99,514	59.25	99,434	64.10
20	98,902	57.02	99,219	60.76	98,154	53.08	99,245	58.74	98,741	56.14	99,317	60.36	98,245	55.42	98,861	61.18	98,378	55.55	99,435	60.09	99,239	54.41	99,241	59.22
25	98,260	52.38	98,797	56.01	97,416	48.46	98,919	53.93	97,782	51.67	99,017	55.54	96,862	51.17	98,861	56.18	97,984	50.77	98,949	55.38	98,699	49.69	99,054	54.33
30	97,631	47.70	98,415	51.22	96,979	43.67	98,707	49.04	97,005	47.06	98,947	50.58	96,369	46.42	98,598	51.32	97,526	45.99	98,571	50.58	98,058	45.00	98,762	49.48
35	96,854	43.06	98,046	46.40	95,797	39.18	98,423	44.17	96,275	42.40	98,621	45.73	95,118	42.00	98,598	46.32	96,597	41.41	98,384	45.67	97,182	40.38	98,509	44.60
40	96,250	38.32	97,741	41.54	94,738	34.59	97,786	39.44	95,654	37.66	98,353	40.85	94,188	37.39	98,399	41.41	95,809	36.73	97,881	40.89	96,361	35.71	98,073	39.79
45	95,378	33.65	97,098	36.79	93,330	30.07	97,230	34.66	94,525	33.08	97,759	36.09	92,933	32.86	97,606	36.73	94,142	32.34	97,403	36.08	95,268	31.09	97,418	35.04
50	93,978	29.11	96,233	32.10	91,116	25.74	96,326	29.96	93,106	28.54	96,816	31.41	90,800	28.57	97,185	31.87	92,656	27.82	96,282	31.47	93,509	26.63	96,308	30.42
55	92,188	24.63	95,134	27.44	87,176	21.79	94,669	25.44	90,827	24.19	94,985	26.97	88,852	24.15	94,829	27.60	90,404	23.45	94,856	26.91	90,483	22.43	94,409	25.98
60	88,964	20.43	92,709	23.10	82,317	17.93	91,046	21.35	87,774	19.95	92,802	22.55	85,554	19.98	91,571	23.50	87,239	19.21	92,340	22.57	85,990	18.47	91,551	21.71
65	83,287	16.65	88,996	18.96	75,193	14.39	85,969	17.46	81,444	16.31	88,804	18.45	79,909	16.22	88,763	19.16	80,940	15.51	88,197	18.51	78,488	15.00	86,896	17.74
70	75,414	13.13	83,499	15.04	64,488	11.37	79,010	13.78	75,164	12.46	83,455	14.47	71,711	12.78	82,048	15.53	71,844	12.15	82,077	14.71	69,006	11.72	80,136	14.02
75	64,042	10.01	74,702	11.52	51,065	8.70	68,640	10.49	62,647	9.45	74,190	10.97	59,743	9.84	75,378	11.68	57,870	9.49	73,076	11.21	56,065	8.85	70,209	10.65
80	48,007	7.52	62,171	8.33	35,078	6.53	53,271	7.79	46,744	6.81	59,710	8.02	44,407	7.38	60,715	8.89	41,745	7.18	57,880	8.50	38,813	6.67	55,708	7.78
85	30,642	5.37	44,072	5.73	19,475	4.75	34,356	5.70	27,116	4.94	41,630	5.41	28,685	5.05	45,174	6.09	25,660	5.12	40,318	6.11	21,859	4.90	37,239	5.39
Age x	Stirling				West Dunbartonshire				West Lothian															
	Males		Females		Males		Females		Males		Females													
	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$		
0	100,000	75.68	100,000	79.86	100,000	70.74	100,000	77.63	100,000	74.29	100,000	78.02												
1	99,780	74.85	99,752	79.05	98,977	70.47	99,307	77.17	99,733	73.48	99,773	77.19												
5	99,642	70.95	99,752	75.05	98,775	66.61	99,238	73.22	99,572	69.60	99,740	73.22												
10	99,579	65.99	99,752	70.05	98,718	61.65	99,175	68.26	99,512	64.64	99,616	68.31												
15	99,406	61.10	99,692	65.09	98,666	56.68	99,175	63.26	99,454	59.68	99,616	63.31												
20	99,243	56.20	99,637	60.13	98,167	51.95	98,861	58.46	99,299	54.77	99,353	58.47												
25	98,786	51.45	99,526	55.19	97,258	47.42	98,804	53.49	98,698	50.08	99,279	53.51												
30	98,090	46.79	99,003	50.47	96,271	42.88	98,619	48.59	97,936	45.45	99,079	48.61												
35	97,584	42.02	98,514	45.71	95,356	38.26	98,325	43.72	97,514	40.64	98,959	43.67												
40	96,756	37.36	98,049	40.91	93,953	33.80	97,572	39.04	96,689	35.96	98,460	38.88												
45	95,956	32.65	97,037	36.32	92,205	29.39	96,794	34.34	95,748	31.29	97,719	34.15												
50	94,130	28.24	95,792	31.75	89,952	25.06	94,929	29.96	94,172	26.78	96,192	29.66												
55	92,042	23.82	94,555	27.14	85,802	21.15	92,866	25.57	91,931	22.37	94,068	25.27												
60	88,630	19.64	92,217	22.76	80,363	17.42	90,117	21.27	87,478	18.38	90,910	21.06												
65	82,144	16.00	88,215	18.68	70,820	14.43	83,970	17.65	81,209	14.60	86,664	16.97												
70	74,042	12.47	81,765	14.96	61,823	11.16	76,975	14.03	71,267	11.29	79,092	13.35												
75	61,417	9.52	72,854	11.48	46,839	8.93	66,392	10.86	57,182	8.46	68,399	10.05												
80	44,609	7.17	58,361	8.71	33,068	6.61	51,643	8.25	38,397	6.37	52,188	7.40												
85	26,685	5.31	42,137	6.10	18,020	5.05	34,366	6.14	20,107	4.90	32,566	5.35												

Note : This abridged life table is constructed from the estimated population in 2002, 2003 and 2004 and the total number of deaths registered in these years. The column headed  $l_x$  shows the numbers who would survive to the exact age of x, out of 100,000 persons who, from birth, were subject to the mortality probabilities indicated by the death records for 2002-2004. Column  $e_x^o$  shows the expectation of life, that is, the average number of years of life left to persons aged exactly x who are subject to the 2002-2004 mortality probabilities from age x onwards.

**Table 4 Abridged life table, by sex, age and NHS Board area, Scotland 2002-04**

Age x	Scotland				Argyll & Clyde				Ayrshire & Arran				Borders				Dumfries & Galloway				Fife			
	Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$
0	100,000	73.79	100,000	79.03	100,000	72.02	100,000	78.52	100,000	73.71	100,000	79.06	100,000	75.22	100,000	79.83	100,000	75.42	100,000	79.59	100,000	74.69	100,000	79.55
1	99,413	73.22	99,572	78.37	99,099	71.68	99,529	77.89	99,385	73.17	99,753	78.26	99,219	74.82	99,492	79.24	99,604	74.72	99,695	78.83	99,251	74.25	99,570	78.90
5	99,293	69.31	99,476	74.44	99,007	67.74	99,451	73.95	99,158	69.33	99,645	74.34	99,044	70.94	99,374	75.33	99,419	70.86	99,498	74.98	99,166	70.31	99,461	74.98
10	99,235	64.35	99,421	69.48	98,929	62.79	99,437	68.96	99,113	64.36	99,613	69.36	98,942	66.01	99,374	70.33	99,419	65.86	99,379	70.07	99,071	65.38	99,397	70.03
15	99,154	59.40	99,355	64.52	98,857	57.84	99,337	64.03	99,073	59.39	99,599	64.37	98,849	61.07	99,374	65.33	99,281	60.94	99,343	65.09	98,972	60.44	99,308	65.09
20	98,817	54.59	99,180	59.63	98,505	53.03	99,080	59.19	98,573	54.68	99,497	59.44	98,741	56.14	99,317	60.37	98,844	56.20	99,221	60.17	98,467	55.74	99,102	60.22
25	98,234	49.90	98,984	54.75	97,762	48.42	98,845	54.32	97,787	50.10	99,241	54.58	97,782	51.67	99,017	55.54	98,171	51.57	98,676	55.49	97,987	51.00	98,817	55.39
30	97,542	45.24	98,758	49.87	96,964	43.80	98,643	49.43	97,182	45.39	98,942	49.74	97,005	47.06	98,947	50.58	97,313	47.00	98,626	50.52	97,317	46.33	98,642	50.48
35	96,742	40.59	98,455	45.01	95,943	39.24	98,382	44.55	96,438	40.72	98,772	44.82	96,275	42.40	98,621	45.74	96,437	42.41	98,408	45.62	96,827	41.56	98,364	45.61
40	95,775	35.98	97,970	40.22	94,826	34.67	97,825	39.79	95,489	36.10	98,385	39.99	95,654	37.66	98,353	40.86	95,670	37.73	97,971	40.81	96,086	36.86	97,902	40.82
45	94,508	31.42	97,280	35.49	93,309	30.19	97,144	35.06	94,235	31.55	97,599	35.29	94,525	33.08	97,759	36.09	94,669	33.10	97,187	36.12	94,874	32.30	97,344	36.04
50	92,671	27.00	96,084	30.90	91,062	25.87	95,974	30.45	92,438	27.12	96,457	30.68	93,106	28.54	96,816	31.42	93,228	28.57	96,024	31.53	93,464	27.74	96,289	31.41
55	89,840	22.77	94,271	26.45	87,260	21.89	94,100	26.01	89,982	22.79	94,603	26.23	90,827	24.19	94,985	26.97	90,957	24.22	94,471	27.01	91,040	23.42	94,620	26.92
60	85,593	18.77	91,504	22.17	82,276	18.07	91,019	21.81	85,868	18.76	91,898	21.93	87,774	19.95	92,802	22.55	87,919	19.98	92,077	22.64	87,789	19.19	92,085	22.59
65	78,470	15.25	87,061	18.18	74,626	14.66	86,239	17.88	79,015	15.17	87,348	17.94	81,444	16.31	88,804	18.45	81,869	16.27	87,654	18.66	81,549	15.47	88,506	18.40
70	68,951	12.01	80,453	14.46	64,859	11.49	79,492	14.18	69,605	11.88	80,657	14.22	75,164	12.46	83,455	14.47	73,968	12.74	81,631	14.85	72,264	12.14	81,816	14.70
75	55,902	9.23	70,622	11.13	51,573	8.81	69,377	10.88	56,048	9.15	70,935	10.83	62,647	9.45	74,190	10.97	62,492	9.62	72,084	11.49	59,430	9.22	71,798	11.40
80	39,946	6.92	56,501	8.28	35,786	6.60	54,611	8.15	39,606	6.91	55,832	8.08	46,744	6.81	59,710	8.02	47,187	6.93	59,585	8.38	43,111	6.76	57,902	8.54
85	23,367	5.06	38,850	5.91	19,992	4.83	36,546	5.94	23,264	5.01	37,429	5.83	27,116	4.94	41,668	5.41	27,770	5.02	40,539	6.14	24,813	4.90	40,494	6.13
Age x	Forth Valley				Grampian				Greater Glasgow				Highland				Lanarkshire				Lothian			
	Males		Females		Males		Females		Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$
0	100,000	74.27	100,000	79.16	100,000	75.36	100,000	80.38	100,000	71.19	100,000	77.54	100,000	74.48	100,000	79.78	100,000	73.18	100,000	77.99	100,000	75.19	100,000	79.81
1	99,391	73.73	99,620	78.46	99,403	74.81	99,697	79.62	99,391	70.62	99,348	77.05	99,810	73.63	99,740	78.98	99,499	72.54	99,537	77.35	99,515	74.56	99,629	79.11
5	99,328	69.77	99,620	74.46	99,285	70.89	99,595	75.70	99,285	66.70	99,229	73.14	99,693	69.71	99,581	75.11	99,343	68.65	99,495	73.38	99,412	70.63	99,530	75.18
10	99,290	64.80	99,560	69.50	99,233	65.93	99,561	70.73	99,200	61.75	99,208	68.15	99,590	64.78	99,390	70.25	99,324	63.67	99,385	68.46	99,361	65.67	99,492	70.21
15	99,201	59.86	99,506	64.54	99,174	60.97	99,480	65.78	99,133	56.79	99,132	63.21	99,472	59.85	99,365	65.26	99,219	58.73	99,357	63.48	99,305	60.70	99,404	65.27
20	99,004	54.97	99,468	59.56	98,811	56.18	99,274	60.91	98,823	51.96	98,923	58.33	98,953	55.15	99,307	60.30	98,921	53.90	99,135	58.61	99,107	55.82	99,258	60.36
25	98,441	50.27	99,291	54.66	98,229	51.50	99,117	56.01	98,264	47.24	98,759	53.43	98,171	50.57	99,009	55.47	98,323	49.21	98,967	53.71	98,672	51.06	99,128	55.44
30	97,761	45.60	98,999	49.82	97,548	46.84	98,905	51.12	97,464	42.61	98,485	48.57	97,354	45.98	98,779	50.60	97,620	44.55	98,714	48.84	98,112	46.33	98,982	50.52
35	97,086	40.90	98,696	44.96	96,888	42.15	98,585	46.28	96,273	38.11	98,090	43.75	96,652	41.29	98,324	45.82	96,744	39.93	98,362	44.01	97,608	41.56	98,780	45.61
40	96,152	36.28	98,319	40.12	96,021	37.50	98,207	41.45	94,875	33.63	97,452	39.02	95,878	36.61	97,855	41.03	95,761	35.32	97,829	39.23	96,842	36.87	98,349	40.80
45	95,075	31.66	97,464	35.45	95,001	32.88	97,704	36.65	93,163	29.20	96,660	34.32	94,528	32.09	97,055	36.35	94,524	30.74	97,129	34.50	95,806	32.24	97,754	36.04
50	93,276	27.22	96,470	30.79	93,634	28.32	96,557	32.05	90,691	24.93	95,223	29.80	92,752	27.66	95,637	31.85	92,560	26.34	95,965	29.89	94,332	27.71	96,567	31.45
55	90,703	22.92	95,019	26.23	91,444	23.94	95,201	27.47	86,888	20.91	92,880	25.49	90,005	23.43	94,041	27.35	89,477	22.17	93,823	25.51	91,787	23.40	94,818	26.98
60	86,558	18.90	92,336	21.92	87,879	19.81	92,968	23.07	81,258	17.19	89,510	21.36	86,036	19.39	91,358	23.07	84,901	18.23	90,814	21.27	87,751	19.37	92,169	22.69
65	79,768	15.29	88,106	17.85	81,879	16.08	89,380	18.90	71,775	14.13	83,915	17.61	80,021	15.66	87,465	18.99	77,353	14.76	85,779	17.38	81,322	15.70	88,151	18.61
70	70,567	11.96	81,325	14.13	73,458	12.64	83,897	14.97	60,401	11.32	76,177	14.15	70,686	12.40	82,100	15.07	67,079	11.64	78,814	13.69	72,544	12.30	81,745	14.87
75	56,825	9.25	70,753	10.86	61,138	9.68	75,183	11.42	46,813	8.88	65,517	11.05	58,234	9.52	73,380	11.56	54,097	8.83	67,855	10.50	59,554	9.43	72,878	11.37
80	41,660	6.71	56,234	8.02	44,870	7.28	61,559	8.39	31,999	6.84	51,744	8.32	43,389	6.92	60,416	8.51	37,280	6.69	52,626	7.81	42,864	7.13	58,690	8.52
85	23,549	4.95	38,334	5.60	27,745	5.23	42,857	5.96	18,294	5.08	35,436	6.00	25,836	4.92	42,152	6.11	20,939	4.95	34,506	5.60	25,541	5.27	41,312	6.05

Table 4 (continued)

Age x	Orkney				Shetland				Tayside				Western Isles			
	Males		Females		Males		Females		Males		Females		Males		Females	
	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$	$l_x$	$e_x^o$
0	100,000	76.49	100,000	80.52	100,000	74.17	100,000	80.27	100,000	74.76	100,000	79.37	100,000	72.23	100,000	79.90
1	100,000	75.49	99,236	80.14	98,679	74.16	99,392	79.76	99,414	74.20	99,642	78.66	100,000	71.23	99,476	79.32
5	100,000	71.49	99,236	76.14	98,679	70.16	98,861	76.18	99,298	70.28	99,555	74.72	100,000	67.23	99,476	75.32
10	99,738	66.67	99,236	71.14	98,679	65.16	98,861	71.18	99,268	65.30	99,462	69.79	100,000	62.23	99,476	70.32
15	99,738	61.67	98,992	66.31	98,679	60.16	98,861	66.18	99,120	60.40	99,390	64.84	99,813	57.34	99,275	65.46
20	98,929	57.16	98,992	61.31	98,245	55.42	98,861	61.18	98,767	55.60	99,173	59.98	99,404	52.56	99,275	60.46
25	98,929	52.16	98,992	56.31	96,862	51.17	98,861	56.18	98,258	50.88	98,943	55.11	97,595	48.49	97,953	56.24
30	98,137	47.56	98,629	51.51	96,369	46.42	98,598	51.32	97,644	46.18	98,612	50.29	97,078	43.74	97,953	51.24
35	97,579	42.82	98,361	46.64	95,118	42.00	98,598	46.32	96,781	41.57	98,226	45.47	96,259	39.09	97,953	46.24
40	97,164	37.99	97,053	42.24	94,188	37.39	98,399	41.41	95,818	36.96	97,763	40.68	95,746	34.28	97,092	41.63
45	96,525	33.22	96,388	37.51	92,933	32.86	97,606	36.73	94,718	32.36	97,010	35.97	93,660	29.99	96,917	36.70
50	94,717	28.81	95,937	32.68	90,800	28.57	97,185	31.87	92,824	27.97	95,861	31.38	91,708	25.58	95,134	32.34
55	91,904	24.61	95,706	27.75	88,852	24.15	94,829	27.60	90,640	23.59	94,166	26.90	87,574	21.67	94,445	27.56
60	88,675	20.42	93,913	23.23	85,554	19.98	91,571	23.50	86,729	19.54	91,609	22.58	83,976	17.49	91,171	23.46
65	83,655	16.50	89,895	19.16	79,909	16.22	88,763	19.16	80,291	15.90	87,528	18.51	76,007	14.06	87,751	19.27
70	75,776	12.95	85,237	15.07	71,711	12.78	82,048	15.53	71,446	12.56	81,357	14.73	65,974	10.82	81,822	15.49
75	62,685	10.13	75,097	11.77	59,743	9.84	75,378	11.68	59,148	9.66	71,926	11.33	52,454	7.96	74,433	11.78
80	47,534	7.57	60,723	8.96	44,407	7.38	60,715	8.89	43,415	7.25	58,603	8.34	34,597	5.78	61,930	8.65
85	30,073	5.51	44,374	6.34	28,685	5.05	45,174	6.09	26,514	5.28	41,227	5.80	18,445	3.65	45,619	5.85

Note : This abridged life table is constructed from the estimated population in 2002, 2003 and 2004 and the total number of deaths registered in these years. The column headed  $l_x$  shows the numbers who would survive to the exact age of  $x$ , out of 100,000 persons who, from birth, were subject to the mortality probabilities indicated by the death records for 2002-2004. Column  $e_x^o$  shows the expectation of life, that is, the average number of years of life left to persons aged exactly  $x$  who are subject to the 2002-2004 mortality probabilities from age  $x$  onwards.



**Table 5 Life expectancy at birth<sup>1</sup> in Scotland 2002-04 by administrative area, with 95% upper and lower confidence intervals (Males and Females)**

	Males			Females		
	Expectation of life at birth	Lower 95% CI	Upper 95% CI	Expectation of life at birth	Lower 95% CI	Upper 95% CI
	Years	Years	Years	Years	Years	Years
<b>Scotland</b>	<b>73.8</b>	<b>73.7</b>	<b>73.9</b>	<b>79</b>	<b>78.9</b>	<b>79.1</b>
<b>Council</b>						
Aberdeen City	74.4	73.9	74.9	79.9	79.5	80.4
Aberdeenshire	76.3	75.8	76.8	80.8	80.4	81.2
Angus	75.7	75.1	76.4	79.4	78.8	80.0
Argyll & Bute	74.8	74.0	75.5	80.0	79.4	80.7
Clackmannanshire	73.2	72.1	74.2	79.2	78.3	80.2
Dumfries & Galloway	75.4	74.8	76.0	79.6	79.1	80.1
Dundee City	72.5	71.8	73.1	78.4	77.9	79.0
East Ayrshire	73.5	72.8	74.2	78.4	77.9	79.0
East Dunbartonshire	77.0	76.3	77.7	80.4	79.8	81.1
East Lothian	75.6	74.8	76.3	80.1	79.5	80.7
East Renfrewshire	76.4	75.7	77.1	80.6	79.9	81.2
Edinburgh, City of	75.3	75.0	75.6	80.4	80.1	80.7
Eilean Siar	72.2	70.9	73.6	79.9	78.5	81.3
Falkirk	73.9	73.3	74.5	78.8	78.3	79.3
Fife	74.7	74.3	75.1	79.6	79.2	79.9
Glasgow City	69.3	69.0	69.6	76.4	76.1	76.7
Highland	74.5	74.0	75.0	79.8	79.3	80.2
Inverclyde	70.3	69.4	71.1	78.1	77.3	78.8
Midlothian	74.9	74.1	75.7	79.1	78.5	79.8
Moray	74.9	74.1	75.7	80.1	79.4	80.7
North Ayrshire	73.3	72.6	73.9	79.1	78.5	79.6
North Lanarkshire	72.4	72.0	72.8	77.4	77.1	77.8
Orkney Islands	76.5	75.0	78.0	80.5	79.0	82.1
Perth & Kinross	76.3	75.7	76.9	80.2	79.6	80.7
Renfrewshire	71.8	71.3	72.4	78.2	77.7	78.7
Scottish Borders	75.2	74.5	76.0	79.8	79.2	80.4
Shetland Islands	74.2	72.5	75.9	80.3	78.8	81.7
South Ayrshire	74.5	73.8	75.2	79.7	79.1	80.3
South Lanarkshire	73.9	73.5	74.3	78.7	78.3	79.0
Stirling	75.7	75.0	76.4	79.9	79.2	80.5
West Dunbartonshire	70.7	69.9	71.5	77.6	76.9	78.3
West Lothian	74.3	73.8	74.8	78.0	77.5	78.5
<b>Health Board</b>						
Argyll and Clyde	72.0	71.7	72.4	78.5	78.2	78.8
Ayrshire and Arran	73.7	73.3	74.1	79.1	78.7	79.4
Borders	75.2	74.5	76.0	79.8	79.2	80.4
Dumfries and Galloway	75.4	74.8	76.0	79.6	79.1	80.1
Fife	74.7	74.3	75.1	79.6	79.2	79.9
Forth Valley	74.3	73.9	74.7	79.2	78.8	79.5
Grampian	75.4	75.0	75.7	80.4	80.1	80.7
Greater Glasgow	71.2	70.9	71.4	77.5	77.3	77.8
Highland	74.5	74.0	75.0	79.8	79.3	80.2
Lanarkshire	73.2	72.9	73.5	78.0	77.7	78.3
Lothian	75.2	74.9	75.4	79.8	79.6	80.0
Orkney	76.5	75.0	78.0	80.5	79.0	82.1
Shetland	74.2	72.5	75.9	80.3	78.8	81.7
Tayside	74.8	74.4	75.1	79.4	79.0	79.7
Western Isles	72.2	70.9	73.6	79.9	78.5	81.3

<sup>1</sup> The results may vary significantly from year to year, particularly those based on small populations.

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