

**Table 2: The Seasonal Increase in Mortality in the Winter, mean winter temperature and indicators of the level of influenza activity, Scotland, 1951/52 to 2013/14**

| Year    | Seasonal Increase in Mortality in the Winter |                       | Mean winter temperature <sup>1</sup><br>(deg. C.) | Indicators of influenza activity <sup>2</sup><br>(Index: 2004/05 = 100) |         |
|---------|--|-----------------------|---|---|---------|
|         | Additional deaths (Dec-Mar)                  | 5-year moving average |   | 'Fluspotter'  | 'SISRS' |
| 1951/52 | 5,240  |                       | 1.89  |   |         |
| 1952/53 | 5,890  |                       | 2.94  |   |         |
| 1953/54 | 4,770  | 5,634                 | 2.70  |   |         |
| 1954/55 | 5,820  | 5,140                 | 1.41  |   |         |
| 1955/56 | 6,450  | 4,854                 | 1.52  |   |         |
| 1956/57 | 2,770  | 5,734                 | 3.47  |   |         |
| 1957/58 | 4,460  | 5,388                 | 2.06  |   |         |
| 1958/59 | 9,170  | 5,166                 | 1.66  |   |         |
| 1959/60 | 4,090  | 5,630                 | 2.12  |   |         |
| 1960/61 | 5,340  | 6,160                 | 2.56  |   |         |
| 1961/62 | 5,090  | 5,068                 | 2.13  |   |         |
| 1962/63 | 7,110  | 5,092                 | 0.16  |   |         |
| 1963/64 | 3,710  | 5,294                 | 3.09  |   |         |
| 1964/65 | 4,210  | 4,680                 | 1.87  |   |         |
| 1965/66 | 6,350  | 4,378                 | 1.60  |   |         |
| 1966/67 | 2,020  | 4,596                 | 3.00  |   |         |
| 1967/68 | 5,600  | 5,162                 | 1.91  |   |         |
| 1968/69 | 4,800  | 4,434                 | 1.55  |   |         |
| 1969/70 | 7,040  | 5,024                 | 1.52  |   |         |
| 1970/71 | 2,710  | 4,720                 | 3.41  |   |         |
| 1971/72 | 4,970  | 4,322                 | 3.56  | 3,412   |         |
| 1972/73 | 4,080  | 3,606                 | 3.23  | 1,286   |         |
| 1973/74 | 2,810  | 4,352                 | 3.50  | 2,081   |         |
| 1974/75 | 3,460  | 4,064                 | 3.88  | 1,144   |         |
| 1975/76 | 6,440  | 4,218                 | 3.72  | 2,951   |         |
| 1976/77 | 3,530  | 4,494                 | 1.02  | 656   |         |
| 1977/78 | 4,850  | 4,336                 | 1.77  | 2,214   |         |
| 1978/79 | 4,190  | 3,802                 | 0.45  | 951   |         |
| 1979/80 | 2,670  | 4,356                 | 2.47  | 967   |         |
| 1980/81 | 3,770  | 4,300                 | 2.97  | 800   |         |

**Footnotes**

1) The mean winter temperature for Scotland (for December to February), as obtained from the Met Office web site (for the relevant page click: Home - Public - Weather - UK Climate - Climate Summaries - Download regional values, and then select the link for 'Scotland .... Mean Temp' which appears under the 'Year ordered statistics' heading).

2) Indicators of the numbers of GP consultations for influenza-like illness, calculated from figures which were supplied by Health Protection Scotland (HPS).

The 'fluspotter' index value was calculated from the maximum rate (per 100,000) in each flu season.

The 'fluspotter' surveillance scheme, which ran from 1971 to 2008, was superseded by the Pandemic Influenza Primary Care Reporting (PIPeR) sentinel scheme, which started in 2004. However, due to a change in the software used by GP practices, it was not possible to use PIPeR for the surveillance of GP consultation rates for influenza-like illnesses (ILI) with effect from winter 2011/12.

Since 2009/10 the Scottish Influenza Surveillance Reporting Scheme (SISRS) has provided aggregate level data on GP consultation for ILI, based on automated software extracts from 99% of Scottish GP practices. These data are now used for routine surveillance of ILI in Scotland, and data from the PIPeR sentinel scheme have been used retrospectively to calculate comparable historical rates for SISRS for the period 2003/04 to 2008/09. The 'SISRS' data replaced the 'PIPeR-based' figures that appeared in the previous edition of this publication. A technical guide providing more details on SISRS data is available from the HPS website on seasonal influenza surveillance.

Please note that since the 'fluspotter' and 'SISRS' systems measure activity using different methods and definitions, their results are not directly comparable.

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|------|--|-----------------------|---|---|---------|
|      | Additional deaths (Dec-Mar)                  | 5-year moving average |   | 'Fluspotter'  | 'SISRS' |

Table 2 (continued)

| Year          | Seasonal Increase in Mortality in the Winter |                       | Mean winter temperature <sup>1</sup><br>(deg. C.) | Indicators of influenza activity <sup>2</sup><br>(Index: 2004/05 = 100) |         |
|---------------|--|-----------------------|---|---|---------|
|               | Additional deaths (Dec-Mar)                  | 5-year moving average |   | 'Fluspotter'  | 'SISRS' |
| 1981/82       | 6,300  | 4,020                 | 1.36  | 1,542   |         |
| 1982/83       | 4,570  | 4,112                 | 2.49  | 1,309   |         |
| 1983/84       | 2,790  | 4,300                 | 2.53  | 1,698   |         |
| 1984/85       | 3,130  | 3,688                 | 2.12  | 705   |         |
| 1985/86       | 4,710  | 3,292                 | 1.28  | 1,107   |         |
| 1986/87       | 3,240  | 3,166                 | 2.00  | 847   |         |
| 1987/88       | 2,590  | 3,632                 | 3.14  | 337   |         |
| 1988/89       | 2,160  | 3,176                 | 5.12  | 819   |         |
| 1989/90       | 5,460  | 3,106                 | 3.34  | 2,753   |         |
| 1990/91       | 2,430  | 3,136                 | 1.99  | 319   |         |
| 1991/92       | 2,890  | 3,222                 | 3.94  | 928   |         |
| 1992/93       | 2,740  | 2,592                 | 3.42  | 979   |         |
| 1993/94       | 2,590  | 2,836                 | 1.77  | 2,053   |         |
| 1994/95       | 2,310  | 2,986                 | 2.89  | 219   |         |
| 1995/96       | 3,650  | 2,960                 | 1.76  | 907   |         |
| 1996/97       | 3,640  | 3,392                 | 2.48  | 1,763   |         |
| 1997/98       | 2,610  | 3,968                 | 4.51  | 272   |         |
| 1998/99       | 4,750  | 3,682                 | 3.26  | 718   |         |
| 1999/00       | 5,190  | 3,322                 | 3.03  | 1,973   |         |
| 2000/01       | 2,220  | 3,302                 | 2.16  | 144   |         |
| 2001/02       | 1,840  | 2,920                 | 3.39  | 95  |         |
| 2002/03       | 2,510  | 2,434                 | 2.96  | 98  |         |
| 2003/04       | 2,840  | 2,346                 | 3.20  | 321   | 107     |
| 2004/05       | 2,760  | 2,528                 | 3.94  | 100   | 100     |
| 2005/06       | 1,780  | 2,462                 | 3.35  | 77  | 92      |
| 2006/07       | 2,750  | 2,596                 | 4.34  | 367   | 221     |
| 2007/08       | 2,180  | 2,596                 | 3.61  | 116   | 94      |
| 2008/09       | 3,510  | 2,730                 | 2.60  |   | 230     |
| 2009/10       | 2,760  | 2,464                 | 0.39  |   | 147     |
| 2010/11       | 2,450  | 2,428                 | 1.28  |   | 174     |
| 2011/12       | 1,420  | 2,046                 | 3.56  |   | 13      |
| 2012/13       | 2,000  |                       | 2.49  |   | 37      |
| 2013/14 prov. | 1,600  |                       | 4.15  |   | 15      |

#### Footnotes

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