

Table 2

Increased winter mortality, mean winter temperature and indicators of level of influenza activity, Scotland, 1951/52 - 2009/10

Year	Increased Winter Mortality		Mean Winter Temperature * (deg. C.)	Indicators of Influenza Activity **	
	Additional deaths (Dec-Mar)	5-year moving average		"Fluspotter" (Index: 2004/05 = 100)	"PIPeR" (Index: 2004/05 = 100)
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	
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	

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	Additional deaths (Dec-Mar)	5-year moving average		"Fluspotter" (Index: 2004/05 = 100)	"PIPeR" (Index: 2004/05 = 100)
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	
2004/05	2,760	2,528	3.94	100	100
2005/06	1,780	2,462	3.35	77	125
2006/07	2,750	2,596	4.34	367	142
2007/08	2,180	2,596	3.61	116	134
2008/09	3,510		2.60		117
2009/10 (provisional)	2,760		0.39		77

\* the mean winter temperature for Scotland (for December to February), as obtained from the Met Office web site (the relevant page is reached thus: Home > Weather > UK > Climate > Download regional values)

\*\* 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, as supplied by HPS, and the "PIPeR" index value from the maximum of all the rates for weeks 48 to 13 (i.e. December to March, roughly) that were provided by HPS. The PIPeR surveillance system has superseded the "fluspotter" system which ceased to operate in 2008. PIPeR is an enhanced surveillance system which collects additional clinical and epidemiological data to provide more accurate interpretation of seasonal influenza and respiratory virus activity. Since these systems measure activity using different methods and definitions, their results are not directly comparable.