

Table 4.02: Stillbirth,¹ perinatal, neonatal, postneonatal and infant death rates, Scotland, 1946 to 2016

Year	Rates per 1,000 births (live and still)			Rates per 1,000 live births		
	Stillbirths	Perinatal deaths	Stillbirths and neonatal deaths	Neonatal deaths	Postneonatal deaths	Infant deaths
Both sexes						
1946-50	29.2	48.3	54.6	26.1	21.2	47.3
1951-55	25.5	42.4	45.7	20.7	12.2	32.9
1956-60	22.8	38.8	41.4	19.0	8.9	27.9
1961-65	19.1	33.6	35.8	17.0	8.0	25.0
1966-70	15.0	26.6	28.5	13.8	7.4	21.2
1971-75	12.3	23.0	24.8	12.7	6.2	18.8
1976-80	8.0	15.8	17.2	9.3	4.4	13.7
1981-85	5.8	10.9	12.1	6.3	4.1	10.5
1986-90	5.3	9.1	10.0	4.7	3.7	8.4
1991-95	6.0 (4.9)	9.2 (8.1)	10.2 (9.1)	4.2	2.4	6.6
1996-2000	5.7 (4.3)	8.4 (7.0)	9.3 (7.9)	3.6	2.0	5.6
2001-05	5.6 (4.4)	8.0 (6.8)	9.0 (7.7)	3.4	1.8	5.2
2006-10	5.3 (4.0)	7.4 (6.1)	8.2 (6.9)	2.9	1.3	4.2
2011-15	4.4 (3.3)	6.1 (5.0)	6.7 (5.7)	2.4	1.2	3.6
1971	13.1	24.5	26.8	13.5	6.4	19.9
1972	13.2	23.7	25.5	12.4	6.4	18.8
1973	11.6	22.5	24.1	12.7	6.3	19.0
1974	12.0	22.8	24.6	12.8	6.1	18.9
1975	11.1	21.1	22.8	11.8	5.4	17.2
1976	9.6	18.3	19.8	10.3	4.5	14.8
1977	8.8	18.3	20.0	11.3	4.8	16.1
1978	8.1	15.4	16.8	8.8	4.1	12.9
1979	6.9	14.1	15.5	8.7	4.2	12.8
1980	6.7	13.1	14.4	7.8	4.3	12.1
1981	6.3	11.6	13.1	6.9	4.4	11.3
1982	5.8	11.5	12.9	7.1	4.2	11.4
1983	5.8	10.6	11.6	5.8	4.1	9.9
1984	5.8	11.0	12.1	6.4	3.9	10.3
1985	5.5	9.8	10.9	5.5	3.9	9.4
1986	5.8	10.2	11.0	5.2	3.6	8.8
1987	5.1	8.9	9.8	4.7	3.8	8.5
1988	5.4	8.9	9.9	4.5	3.7	8.2
1989	5.0	8.7	9.7	4.7	4.0	8.7
1990	5.3	8.7	9.6	4.4	3.3	7.7
1991	5.5	8.6	9.8	4.4	2.7	7.1
1992	5.4 (4.9)	9.0 (8.5)	10.0 (9.4)	4.6	2.2	6.8
1993	6.4 (4.8)	9.6 (8.0)	10.4 (8.8)	4.0	2.5	6.5
1994	6.1 (4.5)	9.0 (7.4)	10.1 (8.5)	4.0	2.2	6.2
1995	6.6 (4.9)	9.6 (7.9)	10.6 (8.9)	4.0	2.2	6.2
1996	6.4 (5.0)	9.2 (7.9)	10.3 (8.9)	3.9	2.2	6.2
1997	5.3 (4.1)	7.8 (6.6)	8.5 (7.3)	3.2	2.1	5.3
1998	6.1 (4.5)	8.7 (7.2)	9.7 (8.1)	3.6	2.0	5.6
1999	5.2 (4.0)	7.6 (6.4)	8.4 (7.3)	3.3	1.7	5.0
2000	5.6 (4.0)	8.4 (6.8)	9.6 (8.0)	4.0	1.8	5.7
2001	5.7 (4.6)	8.5 (7.4)	9.5 (8.4)	3.8	1.7	5.5
2002	5.4 (4.2)	7.6 (6.4)	8.6 (7.4)	3.2	2.1	5.3
2003	5.6 (4.5)	8.0 (6.9)	9.0 (7.9)	3.4	1.7	5.1
2004	5.8 (4.4)	8.1 (6.7)	8.9 (7.5)	3.1	1.9	4.9
2005	5.3 (4.1)	7.7 (6.5)	8.8 (7.6)	3.5	1.7	5.2
2006	5.3 (4.0)	7.4 (6.2)	8.4 (7.1)	3.1	1.4	4.5
2007	5.6 (4.1)	7.8 (6.4)	8.9 (7.4)	3.3	1.5	4.7
2008	5.4 (4.3)	7.4 (6.4)	8.2 (7.1)	2.8	1.4	4.2
2009	5.3 (4.0)	7.4 (6.0)	8.1 (6.8)	2.8	1.2	4.0
2010	4.9 (3.6)	6.9 (5.6)	7.5 (6.1)	2.6	1.2	3.7
2011	5.1 (3.8)	6.9 (5.6)	7.8 (6.5)	2.7	1.3	4.1
2012	4.7 (3.7)	6.5 (5.5)	7.2 (6.2)	2.6	1.2	3.7
2013	4.2 (3.2)	5.8 (4.8)	6.5 (5.5)	2.3	1.0	3.3
2014	4.0 (3.1)	5.9 (4.9)	6.4 (5.5)	2.4	1.2	3.6
2015	3.8 (2.9)	5.3 (4.3)	5.8 (4.9)	2.0	1.1	3.2
2016	4.3 (3.1)	6.0 (4.7)	6.5 (5.3)	2.2	1.1	3.3

Footnote
 1) The Still-Birth (Definition) Act 1992 re-defined stillbirths, from 1 October 1992, to include losses between 24 and 27 weeks gestation. This table is based on all stillbirths registered during the year. The rates in brackets are based on stillbirths with a gestation period of 28 weeks and over.

Year	Rates per 1,000 births (live and still)			Rates per 1,000 live births		
	Stillbirths	Perinatal deaths	Stillbirths and neonatal deaths	Neonatal deaths	Postneonatal deaths	Infant deaths
	Males ²					
1946-50	29.9	51.5	58.3	29.3	23.9	53.2
1951-55	25.8	45.1	48.7	23.5	13.3	36.8
1956-60	22.4	40.9	43.8	21.9	9.7	31.5
1961-65	18.6	35.4	37.8	19.6	8.7	28.3
1966-70	14.7	27.8	30	15.5	8.3	23.8
1971-75	12.0	24.3	26.2	14.4	6.6	21.0
1976-80	7.9	16.9	18.5	10.7	4.6	15.4
1981-85	6.3	11.9	13.1	6.8	4.9	11.7
1986-90	5.4	9.7	10.6	5.3	4.3	9.5
1991-95	6.4 (5.3)	10.1 (9.0)	11.2 (10.1)	4.8	2.6	7.5
1996-2000	6.1 (4.6)	9.1 (7.6)	10.1 (8.6)	4.0	2.2	6.2
2001-05	5.7 (4.4)	8.4 (7.1)	9.4 (8.2)	3.8	2.0	5.8
2006-10	5.5 (4.2)	7.8 (6.5)	8.6 (7.3)	3.2	1.5	4.7
2011-15	4.2 (3.2)	6.0 (5.1)	6.7 (5.8)	2.6	1.4	4.0
1971	13.6	26.7	28.9	15.5	6.7	22.2
1972	12.9	24.8	26.7	13.9	6.8	20.7
1973	11.3	24.1	25.9	14.8	7.0	21.8
1974	11.7	23.8	25.7	14.2	6.7	20.9
1975	10.1	21.4	23.2	13.2	5.9	19.1
1976	9.6	19.8	21.3	11.8	5.1	17.0
1977	7.6	18.7	20.6	13.0	5.3	18.3
1978	8.2	16.8	18.4	10.3	4.2	14.5
1979	7.2	15.3	16.9	9.7	4.2	13.9
1980	6.7	14.2	15.7	9.1	4.5	13.6
1981	6.5	12.2	13.5	7.1	5.3	12.3
1982	6.4	13.1	14.5	8.1	4.7	12.9
1983	6.3	11.6	12.4	6.1	5.2	11.3
1984	6.7	12.6	13.7	7.1	4.7	11.7
1985	5.7	10.1	11.2	5.5	4.6	10.0
1986	6.1	10.9	11.7	5.6	4.3	9.9
1987	4.6	8.9	9.9	5.3	4.4	9.7
1988	5.4	9.7	10.7	5.3	4.2	9.5
1989	5.7	10.1	10.9	5.3	4.9	10.2
1990	5.4	9.1	10.0	4.7	4.1	8.8
1991	5.9	9.8	11.3	5.5	3.2	8.7
1992	5.9 (5.3)	10.4 (9.8)	11.3 (10.7)	5.5	2.4	7.9
1993	7.1 (5.3)	10.8 (9.1)	11.6 (9.9)	4.5	2.9	7.4
1994	6.4 (4.7)	9.6 (7.8)	10.8 (9.0)	4.4	2.4	6.8
1995	7.0 (5.3)	10.1 (8.5)	11.1 (9.5)	4.1	2.2	6.4
1996	7.0 (5.5)	10.1 (8.6)	11.3 (9.8)	4.3	2.5	6.7
1997	5.3 (4.0)	8.1 (6.8)	8.7 (7.4)	3.4	2.7	6.1
1998	6.5 (4.8)	9.6 (7.8)	10.5 (8.7)	4.0	2.2	6.2
1999	5.5 (4.3)	8.4 (7.2)	9.3 (8.1)	3.8	1.9	5.7
2000	6.3 (4.5)	9.5 (7.7)	10.8 (9.0)	4.5	1.9	6.4
2001	6.0 (4.9)	9.2 (8.0)	10.1 (8.9)	4.0	1.8	5.8
2002	5.7 (4.3)	7.9 (6.6)	9.4 (8.0)	3.7	2.7	6.4
2003	5.7 (4.3)	8.4 (6.9)	9.3 (7.9)	3.6	1.8	5.4
2004	6.2 (4.8)	8.8 (7.5)	9.8 (8.5)	3.6	2.1	5.8
2005	4.9 (3.9)	7.6 (6.6)	8.7 (7.7)	3.8	1.9	5.7
2006	5.3 (4.0)	7.7 (6.4)	8.7 (7.4)	3.4	1.7	5.1
2007	5.9 (4.5)	8.4 (7.0)	9.3 (7.9)	3.5	1.7	5.2
2008	5.8 (4.6)	8.1 (7.0)	8.7 (7.6)	3.0	1.6	4.6
2009	5.2 (3.9)	7.6 (6.2)	8.5 (7.2)	3.3	1.4	4.7
2010	5.2 (3.8)	7.4 (6.0)	8.0 (6.6)	2.8	1.2	4.0
2011	5.1 (3.8)	7.1 (5.9)	8.1 (6.8)	3.0	1.6	4.6
2012	4.6 (3.5)	6.6 (5.6)	7.5 (6.4)	3.0	1.5	4.5
2013	3.7 (2.9)	5.3 (4.5)	5.9 (5.2)	2.3	1.1	3.4
2014	3.8 (3.1)	5.8 (5.0)	6.3 (5.6)	2.5	1.3	3.8
2015	3.7 (2.8)	5.2 (4.4)	5.9 (5.1)	2.2	1.3	3.5
2016	4.1 (2.7)	5.9 (4.5)	6.4 (5.1)	2.3	1.0	3.3

Footnote

2) Includes any cases for which the sex was not known.

Year	Rates per 1,000 births (live and still)			Rates per 1,000 live births		
	Stillbirths	Perinatal deaths	Stillbirths and neonatal deaths	Neonatal deaths	Postneonatal deaths	Infant deaths
Females						
1946-50	28.5	44.9	50.6	22.8	18.3	41.1
1951-55	25.1	39.7	42.5	17.8	11.0	28.8
1956-60	23.3	36.6	38.9	15.9	8.2	24.1
1961-65	19.6	31.6	33.6	14.3	7.3	21.6
1966-70	15.3	25.3	27.0	11.9	6.5	18.4
1971-75	12.5	21.6	23.2	10.8	5.6	16.5
1976-80	8.1	14.6	15.9	7.8	4.1	11.9
1981-85	5.3	9.9	11.1	5.9	3.3	9.2
1986-90	5.2	8.4	9.3	4.1	3.0	7.1
1991-95	5.5 (4.5)	8.2 (7.1)	9.1 (8.0)	3.6	2.1	5.6
1996-2000	5.2 (4.0)	7.5 (6.3)	8.4 (7.2)	3.2	1.7	4.9
2001-05	5.4 (4.3)	7.6 (6.4)	8.4 (7.3)	3.0	1.6	4.6
2006-10	5.2 (3.9)	6.9 (5.7)	7.7 (6.4)	2.6	1.1	3.7
2011-15	4.6 (3.4)	6.2 (5.0)	6.8 (5.6)	2.2	1.0	3.2
1971	12.7	22.1	23.9	11.3	6.0	17.4
1972	13.5	22.6	24.2	10.8	6.0	16.8
1973	11.9	20.7	22.2	10.4	5.6	16.0
1974	12.3	21.7	23.5	11.3	5.5	16.9
1975	12.2	20.7	22.4	10.3	4.9	15.2
1976	9.6	16.7	18.1	8.6	3.9	12.5
1977	10.0	17.8	19.4	9.5	4.3	13.8
1978	7.9	14.0	15.1	7.2	4.0	11.2
1979	6.6	12.9	14.1	7.6	4.1	11.8
1980	6.7	11.9	13	6.4	4.1	10.4
1981	6.0	11.1	12.7	6.7	3.6	10.2
1982	5.1	9.8	11.2	6.1	3.7	9.8
1983	5.2	9.6	10.7	5.5	3.0	8.5
1984	4.8	9.3	10.5	5.7	3.2	8.9
1985	5.2	9.5	10.6	5.5	3.2	8.7
1986	5.5	9.4	10.3	4.8	2.9	7.7
1987	5.6	9.0	9.7	4.1	3.1	7.2
1988	5.3	8.1	9.0	3.7	3.1	6.8
1989	4.3	7.3	8.4	4.1	3.1	7.2
1990	5.1	8.2	9.2	4.1	2.6	6.6
1991	5.1	7.4	8.2	3.2	2.1	5.3
1992	4.9 (4.4)	7.6 (7.1)	8.6 (8.1)	3.7	2.0	5.7
1993	5.7 (4.2)	8.3 (6.9)	9.1 (7.8)	3.5	2.1	5.6
1994	5.8 (4.4)	8.4 (6.9)	9.4 (8.0)	3.6	2.0	5.6
1995	6.2 (4.4)	9.2 (7.4)	10.0 (8.2)	3.9	2.2	6.1
1996	5.7 (4.5)	8.4 (7.1)	9.2 (8.0)	3.5	2.0	5.5
1997	5.3 (4.2)	7.5 (6.3)	8.3 (7.1)	2.9	1.6	4.5
1998	5.6 (4.2)	7.9 (6.5)	8.8 (7.4)	3.2	1.7	4.9
1999	4.8 (3.7)	6.7 (5.6)	7.5 (6.4)	2.8	1.5	4.3
2000	4.8 (3.5)	7.2 (6.0)	8.3 (7.0)	3.5	1.6	5.1
2001	5.3 (4.3)	7.8 (6.7)	8.8 (7.8)	3.5	1.7	5.2
2002	5.1 (4.1)	7.2 (6.2)	7.7 (6.7)	2.6	1.5	4.1
2003	5.5 (4.8)	7.7 (6.9)	8.6 (7.9)	3.1	1.5	4.7
2004	5.5 (4.0)	7.3 (5.8)	8.0 (6.5)	2.5	1.6	4.0
2005	5.8 (4.4)	7.9 (6.5)	8.9 (7.5)	3.2	1.6	4.8
2006	5.3 (4.1)	7.1 (5.9)	8.0 (6.8)	2.8	1.0	3.8
2007	5.4 (3.8)	7.3 (5.7)	8.4 (6.8)	3.0	1.2	4.2
2008	5.0 (4.0)	6.7 (5.7)	7.6 (6.6)	2.6	1.3	3.8
2009	5.5 (4.1)	7.2 (5.8)	7.7 (6.3)	2.3	1.0	3.2
2010	4.6 (3.3)	6.4 (5.2)	6.9 (5.6)	2.3	1.1	3.4
2011	5.1 (3.7)	6.7 (5.4)	7.5 (6.1)	2.4	1.1	3.5
2012	4.9 (3.9)	6.4 (5.4)	7.0 (6.0)	2.1	0.8	3.0
2013	4.7 (3.4)	6.4 (5.2)	7.1 (5.9)	2.4	0.8	3.2
2014	4.2 (3.0)	6.0 (4.8)	6.5 (5.4)	2.3	1.2	3.5
2015	4.0 (2.9)	5.3 (4.2)	5.8 (4.7)	1.8	1.0	2.8
2016	4.6 (3.4)	6.0 (4.9)	6.6 (5.5)	2.1	1.2	3.3