

Trends in maternal age distribution and the live birth prevalence of Down's syndrome in England and Wales: 1938–2010

Jianhua Wu and Joan K Morris

European Journal of Human Genetics (2013) **21**, 1032–1033; doi:10.1038/ejhg.2013.103

Correction to: *European Journal of Human Genetics* (2013) **21**, 943–947; doi:10.1038/ejhg.2012.288

EXPLANATION OF THE ERROR

The calculation of the maternal age risk of having a baby with Down's syndrome for the 5-year age groups was incorrect, as the arithmetic mean of 5-year maternal age risk derived from Morris' formula was used, which ignored the age distribution. This caused the estimated number of babies born with Down's syndrome to be around 5% too

high. The corrected age-specific risks for each age group are as follows: 0.66 per 1000 for under 20 years of age; 0.70 per 1000 for ages 20–24; 0.84 per 1000 for ages 25–29; 1.48 per 1000 for ages 30–34; 4.72 per 1000 for ages 35–39; 15.22 per 1000 for ages 40–44; and 30.71 per 1000 for 45 years and older. The revised Table 1 is given below with the revised figures highlighted.

The amended article appears in this issue, and the html and online PDF versions have also been corrected.

The authors would like to apologise for their error.

Table 1 Number of all births and births with Down's syndrome estimated in absence of screening and selective termination and number recorded by the NDSCR in England and Wales: 1938–2010

Year of birth	Number of live births in population	Down's syndrome live births			
		Estimated in absence of screening and subsequent termination		Recorded in NDSCR (from 1989)	Percentage reduction of observed prevalence (per 1000 births; %)
		Number	Prevalence (per 1000 births)	Number	
1938	621 204	1303	2.10		
1939	614 479	1284	2.09		
1940	590 120	1227	2.08		
1941	579 091	1234	2.13		
1942	651 503	1381	2.12		
1943	684 334	1487	2.17		
1944	751 478	1667	2.22		
1945	679 937	1544	2.27		
1946	820 719	1756	2.14		
1947	881 026	1805	2.05		
1948	775 306	1576	2.03		
1949	730 518	1434	1.96		
1950	697 097	1364	1.96		
1951	677 529	1302	1.92		
1952	673 735	1275	1.89		
1953	684 372	1263	1.85		
1954	673 651	1234	1.83		
1955	667 811	1216	1.82		
1956	700 335	1254	1.79		
1957	723 381	1277	1.77		
1958	740 715	1278	1.73		
1959	748 501	1274	1.70		
1960	785 005	1352	1.72		
1961	811 281	1391	1.71		
1962	838 736	1414	1.69		
1963	854 055	1411	1.65		
1964	875 972	1431	1.63		
1965	862 725	1383	1.60		
1966	849 823	1315	1.55		
1967	832 164	1261	1.52		
1968	819 272	1200	1.46		
1969	797 538	1131	1.42		

Table 1 (Continued)

Year of birth	Down's syndrome live births					
	Number of live births in population	Estimated in absence of screening and subsequent termination		Recorded in NDSCR (from 1989)		Percentage reduction of observed compared with expected prevalence (per 1000 births; %)
		Number	Prevalence (per 1000 births)	Number	Prevalence (per 1000 births)	
1970	784 486	1075	1.37			
1971	783 155	1044	1.33			
1972	725 440	947	1.31			
1973	675 953	858	1.27			
1974	639 885	795	1.24			
1975	603 445	747	1.24			
1976	584 270	715	1.22			
1977	569 259	701	1.23			
1978	596 418	773	1.25			
1979	638 028	802	1.26			
1980	656 234	833	1.27			
1981	634 492	819	1.29			
1982	625 931	821	1.31			
1983	629 134	838	1.33			
1984	636 818	854	1.34			
1985	656 417	883	1.35			
1986	661 018	894	1.35			
1987	681 511	936	1.37			
1988	693 577	958	1.38			
1989	687 725	968	1.41	750	1.09	23
1990	706 140	1007	1.43	739	1.05	27
1991	699 217	1014	1.45	737	1.05	27
1992	689 656	1029	1.49	663	0.96	36
1993	673 467	1034	1.53	621	0.92	40
1994	664 726	1052	1.58	640	0.96	39
1995	648 138	1060	1.63	581	0.90	45
1996	649 485	1092	1.68	607	0.93	44
1997	643 095	1120	1.74	667	1.04	40
1998	635 901	1140	1.79	633	1.00	44
1999	621 872	1147	1.84	604	0.97	47
2000	604 441	1156	1.91	596	0.99	48
2001	594 634	1172	1.97	576	0.97	51
2002	596 122	1207	2.02	591	0.99	51
2003	621 469	1283	2.06	620	1.00	52
2004	639 721	1344	2.10	664	1.04	51
2005	645 835	1378	2.13	741	1.15	46
2006	669 601	1445	2.16	760	1.14	47
2007	690 013	1508	2.18	713	1.03	53
2008	708 711	1544	2.18	742	1.05	52
2009	698 324	1517	2.17	769	1.10	49
2010	715 467	1565	2.16	715	0.99	54

Abbreviation: NDSCR, National Down Syndrome Cytogenetic Register.

The width of the 95% confidence interval of prevalence rates is about 0.2 per 1000 births due to the stable live birth population since 1938.

The population prevalence of Down's syndrome in England and Wales in 2011

Jianhua Wu and Joan K Morris

European Journal of Human Genetics (2013) **21**, 1033–1034; doi:10.1038/ejhg.2013.104

Correction to: *European Journal of Human Genetics* (2013) **21**, 1016–1019; doi:10.1038/ejhg.2012.294; published online 16 January 2013

EXPLANATION OF THE ERROR

The number of babies born with Down's syndrome was incorrectly calculated in a previous paper.¹ This affected the estimates of the

numbers of people with Down's syndrome in England and Wales in 2011 according to age. The original estimates were 5% too high, a total population of 38 879 instead of the revised corrected number of