

eTable . Association of live birth history with multiple sclerosis among Danish women using different definitions of multiple sclerosis

	Primary analysis ^b			Robustness analyses								
	n	RR ^a	95% CI	MS definition 1 ^c			MS definition 2 ^d			MS definition 3 ^e		
	n	RR ^a	95% CI	n	RR ^a	95% CI	n	RR ^a	95% CI	n	RR ^a	95% CI
Children												
0	1949	1	reference	1848	1	reference	2517	1	reference	1463	1	reference
1+	4383	0.76	0.71-0.82	4035	0.75	0.70-0.81	4081	0.81	0.76-0.87	3798	0.76	0.71-0.83
Number of children												
1	1167	1	reference	1096	1	reference	1207	1	reference	1019	1	reference
2	2223	0.89	0.83-0.96	2044	0.88	0.82-0.95	2023	0.93	0.86-1.01	1909	0.81	0.75-0.88
3	793	0.79	0.72-0.87	720	0.78	0.70-0.86	687	0.84	0.76-0.93	694	0.69	0.62-0.76
4+	200	0.62	0.53-0.72	175	0.59	0.50-0.70	164	0.65	0.55-0.77	176	0.51	0.43-0.60
<i>Test for homogeneity</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>
<i>Change perchild</i>		0.87	0.84-0.91		0.86	0.83-0.90		0.90	0.86-0.93		0.82	0.78-0.85
<i>Trend test</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>
Age at birth of first child												
<20 years	695	1.03	0.95-1.13	627	1.03	0.94-1.12	692	1.04	0.95-1.13	657	1.13	1.03-1.23
20-24	2058	1	reference	1876	1	reference	1969	1	reference	1799	1	reference
25-29	1250	0.91	0.85-0.98	1171	0.93	0.86-1.00	1141	0.93	0.87-1.01	1013	0.85	0.79-0.92
30+	380	0.77	0.68-0.86	361	0.78	0.69-0.88	279	0.74	0.65-0.84	329	0.74	0.65-0.83
<i>Test for homogeneity</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>
<i>Change per year</i>		0.98	0.97-0.99		0.98	0.97-0.99		0.98	0.97-0.99		0.97	0.96-0.98
<i>Trend test</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>
Time since birth of most recent child												
<2 years	503	0.79	0.70-0.90	473	0.79	0.69-0.91	641	0.73	0.64-0.82	323	0.70	0.61-0.81
2-4	565	0.70	0.62-0.79	529	0.70	0.62-0.80	707	0.69	0.61-0.78	423	0.69	0.61-0.79
5-9	931	0.91	0.82-1.00	873	0.92	0.83-1.02	1012	0.92	0.83-1.02	701	0.81	0.73-0.90
10-14	801	1	reference	737	1	reference	720	1	reference	764	1	reference
15-19	633	1.05	0.94-1.17	570	1.03	0.92-1.16	479	1.02	0.90-1.15	628	1.03	0.92-1.15
20+	950	1.11	0.98-1.26	853	1.09	0.95-1.24	522	0.97	0.83-1.12	959	0.95	0.83-1.08
<i>Test for homogeneity</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>			<i>P<0.001</i>
<i>Change per year</i>			-			-			-			-
<i>Trend test</i>			NA			NA			NA			NA

^aAll RRs are adjusted for age, calendar period and marital status.

^b MS cases defined according to Danish Multiple Sclerosis Register, possible cases included, period 1968-2004. Onset of MS defined as year of diagnosis.

^c MS cases defined according to Danish Multiple Sclerosis Register, possible cases excluded, period 1968-2004. Onset of MS defined as year of diagnosis.

^d MS cases defined according to Danish Multiple Sclerosis Register, possible cases included, period 1968-2004. Onset of MS defined as year of first symptoms.

^e MS cases defined according date of first hospitalization in the Danish Hospital Discharge Register, period 1977-2004.

MS, multiple sclerosis; NA, not applicable; RR, rate ratio; n, cases of multiple sclerosis; CI, confidence interval.