

Supplementary tables

Table 1S: Incidence rate ratio (IRR) and 95% confidence interval (CI) of type 1 diabetes among children aged (0-13) by sex and parental country of birth, Sweden, 1997–2009.

Parental migration Status	Male (0-13)				Female (0-13)			
	Cases	PYRs	IRR* (95% CI)	IRR† (95% CI)	Cases	PYRs	IRR* (95% CI)	IRR† (95% CI)
Mother foreign born	388	1291769	0.57 (0.52-0.64)	0.58 (0.52-0.64)	371	1225944	0.60 (0.54-0.66)	0.59 (0.53-0.66)
Father foreign born	413	1348032	0.58 (0.53-0.65)	0.59 (0.53-0.65)	392	1285912	0.60(0.54-0.66)	0.60 (0.54-0.66)
Both parents foreign born	221	869641	0.49 (0.43-0.56)	0.50 (0.43-0.57)	223	826716	0.54 (0.47-0.61)	0.53 (0.46-0.61)
Both parents born in Sweden	3710	6742640	1	1	3427	6380947	1	1

* Adjusted for age in four years categories.

† Mutually adjusted for age, parental education and calendar years of follow-up.

Table 2Sa: Incidence rate ratio (IRR) and 95% confidence interval (CI) of type 1 diabetes among male and female ages 0-13 years by parental country of birth and sex, Sweden, 1997-2009.

Parental country of birth	IRR* (95 % CI)											
	Male						Female					
	cases	Offspring of Mother	cases	Offspring of Father	Cases	Offspring of both Parents	cases	Offspring of Mother	cases	Offspring of Father	Cases	Offspring of both Parents
Sweden	3710	1	3710	1	3710	1	3427	1	3427	1	3427	1
Africa	70	1.27 (1.00-1.61)	92	1.23 (1.00-1.51)	64	1.10 (0.86-1.41)	63	1.12 (0.87-1.44)	81	1.19 (0.95-1.48)	58	1.07 (0.82-1.39)
Northern Africa	15	1.32 (0.79-2.19)	25	1.04 (0.70-1.54)	12	1.07 (0.61-1.89)	19	1.52 (0.97-2.39)	26	1.40 (0.95-2.05)	13	1.27 (0.74-2.20)
Western Africa	2	-	8	1.05 (0.53-2.11)	2	-	3	-	4	-	3	-
Eastern Africa	53	1.29 (0.98-1.69)	57	1.32 (1.02-1.72)	49	1.26 (0.95-1.68)	39	1.02 (0.74-1.40)	47	1.18 (0.89-1.58)	38	1.04 (0.76-1.44)
Asia	95	0.41 (0.33-0.50)	102	0.43 (0.35-0.52)	79	0.39 (0.31-0.49)	86	0.40 (0.32-0.50)	94	0.43 (0.35-0.52)	68	0.35 (0.28-0.45)
Europé												
Finland	87	1.05 (0.85-1.30)	79	1.09 (0.87-1.36)	20	1.27 (0.82-1.97)	83	1.07 (0.86-1.33)	68	0.99 (0.77-1.25)	17	1.15 (0.71-1.85)
North Europe (excl. Finland)	37	0.89 (0.65-1.24)	45	0.86 (0.64-1.16)	3	-	34	0.88 (0.63-1.23)	41	0.86 (0.63-1.17)	2	-
S.E.W. Europe†	73	0.47 (0.37-0.59)	69	0.42 (0.33-0.54)	23	0.23 (0.15-0.35)	80	0.56 (0.45-0.70)	86	0.56 (0.45-0.69)	46	0.49 (0.37-0.66)
Latin America	23	0.63 (0.42-0.95)	20	0.62 (0.40-0.96)	6	0.28 (0.13-0.62)	19	0.58 (0.37-0.91)	11	0.33 (0.18-0.60)	8	0.41 (0.20-0.81)
North America	3	-	4	-	0	-	6	1.04 (0.47-2.32)	11	1.02 (0.57-1.85)	0	-
Oceania	-	-	2	-	0	-	0	-	0	-	0	-
Mixed‡					17	0.47 (0.29-0.76)					17	0.51 (0.32-0.82)

* Adjusted for age, parental education and calendar years of follow-up.

† South, East and West Europe

‡ Both parents are not from the same country or region.

IRRs significantly different from 1 are bolded.

Table 2Sb: Incidence rate ratio (IRR) and 95% confidence interval (CI) of type 1 diabetes among male and female ages 0-13 years by parental country of birth and sex, Sweden, 1969-2009.

Parental country of birth	IRR* (95 % CI)											
	Male						Female					
	cases	Offspring of Mother	cases	Offspring of Father	Cases	Offspring of both Parents	cases	Offspring of Mother	cases	Offspring of Father	Cases	Offspring of both Parents
Sweden	6620	1	6620	1	6620	1	6319	1	6319	1	6319	1
Africa	76	1.34 (1.07-1.68)	111	1.24 (1.03-1.50)	68	1.12 (0.88-1.42)	70	1.16 (0.92-1.47)	96	1.15 (0.94-1.41)	62	1.08 (0.84-1.39)
Northern Africa	15	1.12 (0.67-1.86)	36	1.07 (0.77-1.49)	12	0.88 (0.50-1.55)	21	1.38 (0.90-2.12)	34	1.09 (0.78-1.53)	14	1.08 (0.64-1.82)
Western Africa	3	-	11	0.92 (0.51-1.66)	2	-	4	-	6	0.63 (0.28-1.40)	3	-
Eastern Africa	58	1.42 (1.10-1.85)	62	1.42 (1.10-1.82)	52	1.36 (1.04-1.79)	42	1.12 (0.82-1.51)	52	1.29 (0.98-1.70)	40	1.12 (0.82-1.52)
Asia	103	0.39 (0.32-0.48)	115	0.42 (0.35-0.50)	84	0.37 (0.30-0.46)	98	0.38 (0.31-0.46)	113	0.43 (0.36-0.52)	77	0.35 (0.28-0.44)
Europe												
Finland	274	1.08 (0.95-1.22)	224	1.09 (0.95-1.25)	112	1.20 (0.99-1.45)	279	1.10 (0.98-1.25)	232	1.13 (0.99-1.28)	119	1.23 (1.03-1.48)
North Europe (excl. Finland)	85	0.88 (0.71-1.09)	84	0.75 (0.61-0.93)	8	0.52 (0.26-1.05)	89	0.99 (0.80-1.22)	103	0.93 (0.76-1.13)	11	0.69 (0.38-1.25)
S.E.W. Europe†	134	0.53 (0.44-0.63)	133	0.46 (0.38-0.54)	45	0.30 (0.22-0.40)	130	0.53 (0.45-0.64)	146	0.52 (0.44-0.61)	59	0.41 (0.32-0.53)
Latin America	27	0.56 (0.39-0.82)	30	0.64 (0.45-0.92)	9	0.30 (0.16-0.58)	23	0.52 (0.35-0.78)	15	0.30 (0.18-0.51)	11	0.40 (0.22-0.72)
North America	4	-	8	0.44 (0.22-0.88)	0	-	8	0.82 (0.41-1.65)	15	0.87 (0.52-1.44)	0	-
Oceania	1	-	2	-	0	-	1	-	0	-	0	-
Mixed‡					26	0.53 (0.36-0.78)					23	0.49 (0.33-0.75)

* Adjusted for age, parental education and calendar years of follow-up.

† South, East and West Europe

‡ Both parents are not from the same country or region.

IRRs significantly different from 1 are bolded.