

TABLE 4

CONSANGUINEOUS MARRIAGE IN EUROPE

Region/country	Location/ community	Collection period	Study population	Sample size	Consanguinity (%)	Consanguinity types	Coefficient of inbreeding (α)	Reference
East Europe								
Czecho- slovakia	All Czecho- slovakia	1961/64	Obstetric inpatients	19,726	0.2%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
Hungary	All-Hungary	1946	Civil registration	98,662	0.1%	UN,AN,1C	0.0001	Czeilel <i>et al.</i> (1976)
	Budapest	1971	Obstetric inpatients	2,130	0.5	1C,2C	0.0002	Czeizel <i>et al.</i> (1976)
	Pecs and Szombathely	1971	Obstetric inpatients	1,061	0.8	1C,2C	0.0003	Czeizel <i>et al.</i> (1976)
	Nyiregy- haza	1971	Obstetric inpatients	2,038	0.5	1C,2C	0.0002	Czeizel <i>et al.</i> (1976)
	All-Hungary	1971	Obstetric inpatients	5,229	0.5	1C,2C	0.0002	Czeilel <i>et al.</i> (1976)

North Europe

Great Britain	London	1950/51	Paediatric outpatients	5,217	0.4%	1C	0.0003	Pugh & Carter (unpublished, cited in Coleman 1980)
	Reading	1972/73	Household survey	946	0.4	1C,1 ^{1/2} C,2C	0.0002	Coleman (1980)
	Birmingham	1986/87	Obstetric Inpatients	2,431	0.2	1C,2C	0.0001	Bunday <i>et al.</i> (1990)
	Bradford	2007/10	Antenatal clinic	4,488	0.04	1C,1 ^{1/2} C,2C	0.00003	Bhopal <i>et al.</i> (2014)
Ireland, Northern	Londonderry	1954	Household survey	1,612	0.9%	1C,1 ^{1/2} C,2C	0.0008	Kilpatrick <i>et al.</i> (1955)
	Belfast	1957	Obstetric outpatients	8,380	0.4	1C,1 ^{1/2} C,2C	0.0001	Stevenson & Warnock (1959)
	All-N. Ireland	1959/68	RC dispensation	41,528	0.4	UN,D1C,1C,1 ^{1/2} C,2C	0.0001	Masterson (1970)
Ireland, Republic	All-Irish Republic	1959/68	RC dispensation	149,029	0.5	UN,D1C,1C,1 ^{1/2} C,D2C,2C	0.0002	Masterson (1970)
Norway	All-Norway	1967/72	Civil registration	401,671	0.6%	UN,1C,1 ^{1/2} C,2C	0.0002	Saugstad (1977)
	All-Norway	1967/81	Civil registration	893,941	0.7	1C,2C	0.0002	Magnus <i>et al.</i> (1985)

	All-Norway	1967/93	Civil registration	1,431,055	0.1%	>1C,1C	0.0001	Stoltenberg <i>et al.</i> (1998)
	All-Norway	1995/10	Civil registration	712,430	<0.01	>1C,1C	<0.0001	Sørbye <i>et al.</i> (2014)
Sweden	North, Pajala	1947	Parish records	843	1.0%	1C	0.0006	Böök (1948)
	All-Sweden	1946/50	Pregnancy termination	15,802	0.6	1C,2C	0.0003	Romanus (1953)
South Europe								
Croatia	Zagreb	1961/4	Obstetric Inpatients	8,309	0.1%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
Italy	Florence	1939/58	RC dispensation	50,028	1.1%	D1C,1C,1 ^{1/2} C,2C	0.0005	Bigozzi <i>et al.</i> (1970)
	All-Italy	-	RC dispensation	-	1.1	1C,2C	0.0005	Romeo <i>et al.</i> (1981)
	All-Italy	1953	Civil registration	340,693	0.5	UN,AN,1C,	0.0004	Fraccaro (1957)
	Upper Bologna Appennine	1950/80	RC dispensation	5,340	1.6	1C,1 ^{1/2} C,2C	0.0004	Pettener (1985)
Portugal	All-Portugal	1952/5	Civil registration	276,800	1.5%	UN,1C	0.0009	Freire-Maia (1957)

	Azores Islands	1979/85	RC dispensation	12,456	2.9%	>1C,1C,1 ^{1/2} C,2C	0.0011	Da Cunha (1986-87)
Slovenia	Ljubljana	1961/4	Obstetric inpatients	8,712	0.6%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
Spain	All-Spain	1940/3	RC dispensation	-	4.1%	UN,1C,1 ^{1/2} C,2C	0.0014	Pinto-Cisternas <i>et al.</i> (1979)
	Madrid	1961/4	Obstetric inpatients	19,365	1.1	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	Mondonedo	1922/64	RC dispensation	-	2.6	1C,2C	0.0022	Valls (1967)
	Leon	1958/68	RC dispensation	16,656	2.8	1C,1 ^{1/2} C,2C	0.0007	Gomez Gomez (1989)
	Majorca	1930/62	RC dispensation	39,184	2.5	1C,1 ^{1/2} C,2C	0.0010	Valls (1969)
	Menorca	1943/64	RC dispensation	2,084	2.9	1C,1 ^{1/2} C,2C	0.0010	Valls (1969)
	Ibiza	1941/63	RC dispensation	4,042	5.4	1C,1 ^{1/2} C,2C	0.0019	Valls (1969)
	Formentera	1941/63	RC dispensation	498	7.8	1C,1 ^{1/2} C,2C	0.0026	Valls (1969)
	Alava Province, Basque country	1951/80	RC dispensation	38,965	1.2	UN,1C,1 ^{1/2} C,2C	0.0003	Calderón <i>et al.</i> (1993)
	Vitoria, Basque country	1951/80	RC dispensation	27,265	0.6	UN,1C,1 ^{1/2} C,2C	0.0002	Calderón <i>et al.</i> (1993)

	Alava, Basque country	1951/80	RC dispensation	11,700	2.5%	UN,1C,1 ^{1/2} C 2C	0.0006	Calderón <i>et al.</i> (1998)
	Sigüenza- Guadalajara	1951/80	RC dispensation	5,315	12.6	1C,1 ^{1/2} C,2C	0.0029	Calderón <i>et al.</i> (1998)
	Santiago de Compostela, Galicia	1970/79	RC dispensation	48,984	1.5	UN,1C,1 ^{1/2} C	0.0005	Varela <i>et al.</i> (1997)
	Los Nogales, Galicia	1960/71	RC dispensation	156	3.8	1C,2C	0.0015	Fuster (2003)
	La Cabrera, Galicia	1970/89	RC dispensation	325	2.5	1C,2C	0.0007	Blanco Villegas <i>et al.</i> (2004)
West Europe								
Belgium	All-Belgium	1950/59	RC dispensation	605,849	1.0%	UN,1C,1 ^{1/2} C,2C	0.0003	Twisselmann <i>et al.</i> (1962)
France	Loire Valley	1944/53	RC dispensation	19,861	0.7%	1C,1 ^{1/2} C,2C	0.0010	Sutter & Tabah (1954)
	Brittany	1951/3	RC dispensation	13,000	1.2	1C,1 ^{1/2} C,2C	0.0005	Sutter & Tabah (1954)
	All-France	1946/58	RC dispensation	510,000	0.8	UN,1C,1 ^{1/2} C,2C	0.0002	Sutter & Goux (1964)
Netherlands	All-Holland	1948/53	Civil registration	351,085	0.2%	UN,1C	0.0001	Freire-Maia (1957)