

TABLE 2

CONSANGUINEOUS MARRIAGE IN THE AMERICAS

Region/country	Location	Collection period	Study population	Sample size	Consanguinity (%)	Consanguinity types	Coefficient of inbreeding (α)	Reference
Caribbean								
Puerto Rico	San Juan (north)	1954	RC dispensation	6,013	3.3%	UN,1C,1 ^{1/2} C,2C	0.0013	Freire-Maia (1957)
Cuba	All-Cuba	1956/57	RC dispensation	2,277	0.8	1C,1 ^{1/2} C,2C	0.0005	Freire-Maia (1968)
Central America								
Costa Rica	All-Costa Rica	1954	RC dispensation	3,833	3.4	UN,1C,1 ^{1/2} C,2C	0.0011	Freire-Maia (1968)
El Salvador	All- El Salvador	1956/57	RC dispensation	2,494	4.9	1C,1 ^{1/2} C,2C	0.0014	Freire-Maia (1968)
Honduras	All-Honduras	1956/57	RC dispensation	3,759	3.4	1C,1 ^{1/2} C,2C	0.0011	Freire-Maia (1968)
Mexico	Mexico City	1961/64	Obstetric inpatients	24,333	0.3	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	All-Mexico	1956/57	RC	28,192	1.3%	1C,1 ^{1/2} C,2C	0.0003	Freire-Maia (1968)

			dispensation					
Panama	Panama City	1961/64	Obstetric inpatients	15,523	1.7	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1996)
	All-Panama	1956/57	RC dispensation	350	0	-	0	Freire-Maia (1968)
Northern America								
Canada	All-Canada	1959	RC dispensation	51,729	1.5	1C,1 ^{1/2} C,2C	0.0005	Freire-Maia (1968)
	Quebec	1962/71	RC dispensation	21,874	1.3	UN,1C,1 ^{1/2} C,2C	0.0003	De Braekeleer and Ross (1991)
U.S.A.	All-U.S.A.	1959/60	RC dispensation	133,228	0.2	1C,1 ^{1/2} C,2C	0.0001	Freire-Maia (1968)
	Wisconsin	1941/55	RC dispensation	170,914	0.2	1C,1 ^{1/2} C,2C	0.0001	Dewey <i>et al.</i> (1965)
	Wisconsin	1972/81	RC dispensation	140,289	0.1	1C,1 ^{1/2} C,2C	<0.0001	Lebel (1983)

South America

Argentina	Buenos Aires	1954	RC dispensation	23,000	0.9%	UN,1C,1 ^{1/2} C,2C	0.0005	Freire-Maia (1957)
	All-Argentina	1956/57	RC dispensation	51,391	1.1	UN,1C,1 ^{1/2} C,2C	0.0006	Freire-Maia (1968)
	All-Argentina	1967/79	Obstetric inpatients	6,494	0.2	UN,1C,1 ^{1/2} C,2C	0.0001	Orioli <i>et al.</i> (1982)
	All-Argentina	1980/81	Civil registration	212,320	0.4	1C	0.0002	Castilla <i>et al.</i> (1992)
	Buenos Aires State	1984	Civil registration	32,690	0.7	1C	0.0004	Castilla <i>et al.</i> (1992)
Bolivia	Bogota	1961/64	Obstetric inpatients	18,497	2.0	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	All-Bolivia	1956/57	RC dispensation	4,130	0.6	UN,1C,1 ^{1/2} C,2C	0.0003	Freire-Maia (1968)
Brazil	Sao Paolo	1961/64	Obstetric inpatients	14,179	3.1	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	Santa Catarina (south)	1948/51	RC dispensation	4,361	3.6	UN,1C,1 ^{1/2} C,2C	0.0012	Freire-Maia (1957)
	Rio de Janeiro (east)	1954	RC dispensation	1,272	1.6	1C,1 ^{1/2} C,2C	0.0009	Freire-Maia (1957)
	Sergipe (east)	1954	RC dispensation	3,815	6.4	UN,1C,1 ^{1/2} C,2C	0.0032	Freire-Maia (1957)

Alagoas (north-east)	1954	RC dispensation	3,566	11.7%	UN,1C,1 ^{1/2} C,2C	0.0055	Freire-Maia (1957)
Sao Paulo (Serra do Mar)	1950/55	RC dispensation	1,791	7.4	UN,1C,1 ^{1/2} C,2C	0.0026	Saldanha (1960)
Sao Paulo (Vale do Paraibo)	1950/55	RC dispensation	11,108	0.5	1C,1 ^{1/2} C,2C	0.0002	Saldanha (1960)
Sao Paulo (Serra do Mantiqueira)	1950/55	RC dispensation	1,750	4.0	1C,1 ^{1/2} C,2C	0.0017	Saldanha (1960)
All-Brazil	1956/57	RC dispensation	212,090	4.8	UN,1C,1 ^{1/2} C,2C	0.0023	Freire-Maia (1957)
Rio Grande do Sul	1967	RC dispensation	15,300	1.2	UN/AN,1C,1 ^{1/2} C, 2C	0.0005	da Fonseca and Freire-Maia (1970)
Santa Catarina	1967	RC dispensation	10,064	1.3	1C,1 ^{1/2} C,2C	0.0005	da Fonseca and Freire-Maia (1970)
Parana	1967	RC dispensation	23,383	0.9	UN/AN,1C,1 ^{1/2} C, 2C	0.0004	da Fonseca and Freire-Maia (1970)
Sao Paulo	1967	RC dispensation	39,318	1.9	UN/AN,1C,1 ^{1/2} C, 2C	0.0006	da Fonseca and Freire-Maia (1970)
Guanabara	1967	RC dispensation	9,835	1.6	UN/AN,1C,1 ^{1/2} C, 2C	0.0008	da Fonseca and Freire-Maia (1970)
Rio Janeiro	1967	RC dispensation	4,070	1.5	UN/AN,1C,1 ^{1/2} C, 2C	0.0007	da Fonseca and Freire-Maia (1970)
Espirito Santo	1967	RC dispensation	1,541	1.2	1C,1 ^{1/2} C,2C	0.0007	da Fonseca and Freire-Maia (1970)

Minas Gerais	1967	RC dispensation	38,864	6.4%	UN/AN,1C,1 ^{1/2} C, 2C	0.0027	da Fonseca and Freire-Maia (1970)
Bahia (Serra do Mar)	1967	RC dispensation	8,514	3.4	1C,1 ^{1/2} C,2C	0.0017	da Fonseca and Freire-Maia (1970)
Sergipe	1967	RC dispensation	1,654	5.1	1C,1 ^{1/2} C,2C	0.0024	da Fonseca and Freire-Maia (1970)
Alagoas	1967	RC dispensation	7,294	4.9	UN/AN,1C,1 ^{1/2} C, 2C	0.0022	da Fonseca and Freire-Maia (1970)
Pernambuco	1967	RC dispensation	10,753	7.0	UN/AN,1C,1 ^{1/2} C, 2C	0.0032	da Fonseca and Freire-Maia (1970)
Paraíba	1967	RC dispensation	9,952	12.8	UN/AN,1C,1 ^{1/2} C, 2C	0.0058	da Fonseca and Freire-Maia (1970)
Rio Grande do Norte	1967	RC dispensation	5,104	7.7	UN/AN,1C,1 ^{1/2} C, 2C	0.0036	da Fonseca and Freire-Maia (1970)
Ceara	1967	RC dispensation	24,196	7.9	UN/AN,1C,1 ^{1/2} C, 2C	0.0038	da Fonseca and Freire-Maia (1970)
Piauí	1967	RC dispensation	4,832	8.2	UN/AN,1C,1 ^{1/2} C, 2C	0.0034	da Fonseca and Freire-Maia (1970)
Maranhão	1967	RC dispensation	8,304	4.1	1C,1 ^{1/2} C,2C	0.0020	da Fonseca and Freire-Maia (1970)
Mato-Grosso	1967	RC dispensation	4,071	1.1	1C,1 ^{1/2} C,2C	0.0005	da Fonseca and Freire-Maia (1970)
Goiás	1967	RC dispensation	3,038	1.9	1C,1 ^{1/2} C,2C	0.0008	da Fonseca and Freire-Maia (1970)

	Rondonia	1967	RC dispensation	345	1.5%	1C,1 ^{1/2} C,2C	0.0006	da Fonseca and Freire-Maia (1970)
	Acre	1967	RC dispensation	945	5.4	UN/AN,1C,1 ^{1/2} C,2C	0.0023	da Fonseca and Freire-Maia (1970)
	Amazonas	1967	RC dispensation	297	1.4	2C	0.0002	da Fonseca and Freire-Maia (1970)
	Pará	1967	RC dispensation	4,476	1.1	UN/AN,1C,1 ^{1/2} C,2C	0.0003	da Fonseca and Freire-Maia (1970)
	Porto Alegre (Whites)	1965/70	Obstetric inpatients	2,328	1.9	1C,1 ^{1/2} C,2C	0.0008	de Araújo and Salzano (1974)
	Porto Alegre (Blacks)	1965/70	Obstetric inpatients	984	2.0	1C,1 ^{1/2} C,2C	0.0009	de Araújo and Salzano (1974)
	Bahia	1970s	Hospital visitors	925	7.0	UN,1C,1 ^{1/2} C,2C	0.0019	Azevedo <i>et al.</i> (1980)
	All-Brazil	1967/79	Obstetric inpatients	2,328	1.1	1C,1 ^{1/2} C,2C	0.0005	Orioli <i>et al.</i> (1982)
	Minas Gerais	1989	Household survey	252	15.1	1C,1 ^{1/2} C,2C	0.0027	Kaku and Freire-Maia (1992)
Chile	Santiago	1961/64	Obstetric inpatients	23,491	0.8	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	All-Chile	1956/57	RC dispensation	28,596	1.3	UN,1C,1 ^{1/2} C,2C	0.0007	Freire-Maia (1968)
	Valparaiso	1957/66	RC dispensation	51,828	0.7	UN,1C,1 ^{1/2} C,2C	0.0006	Lazo <i>et al.</i> (1970)

	Santiago	1967/79	Obstetric inpatients	2,413	0.8%	1C,1 ^{1/2} C,2C	0.0004	Orioli <i>et al.</i> (1982)
Colombia	Medellin	1961/64	Obstetric inpatients	20,146	4.4	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	All-Colombia	1956/57	RC dispensation	34,470	3.0	UN,1C,1 ^{1/2} C,2C	0.0012	Freire-Maia (1968)
Ecuador	All-Ecuador	1956/57	RC dispensation	3,954	6.3	UN,1C,1 ^{1/2} C,2C	0.0023	Freire-Maia (1968)
	Quito	1967/79	Obstetric inpatients	2,261	1.1	UN,1C,1 ^{1/2} C,2C	0.0005	Orioli <i>et al.</i> (1982)
Peru	All-Peru	1956/57	RC dispensation	565	4.1	UN,1C,1 ^{1/2} C,2C	0.0027	Freire-Maia (1968)
	Lima	1967/79	Obstetric inpatients	203	1.0	1C,1 ^{1/2} C,2C	0.0006	Orioli <i>et al.</i> (1982)
Uruguay	Montevideo	1952	RC dispensation	3,955	1.1	1C,1 ^{1/2} C,2C	0.0006	Freire-Maia (1957)
	All-Uruguay	1956/57	RC dispensation	2,931	4.5	UN,1C,1 ^{1/2} C,2C	0.0019	Freire-Maia (1968)
	Montevideo	1967/79	Obstetric Inpatients	921	0.9	1C,1 ^{1/2} C,2C	0.0005	Orioli <i>et al.</i> (1982)

Venezuela	All-Venezuela	1967/79	Obstetric inpatients	1,517	1.3%	D1C,1C,1 ^{1/2} C,2C	0.0007	Orioli <i>et al.</i> (1982)
------------------	---------------	---------	----------------------	-------	------	------------------------------	--------	-----------------------------