

**TABLE 2**

**CONSANGUINEOUS MARRIAGE IN THE AMERICAS**

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

	All-Mexico	1956/57	RC dispensation	28,192	1.3%	1C,1 <sup>1/2</sup> C,2C	0.0003	Freire-Maia (1968)
<b>Panama</b>	Panama City	1961/64	Obstetric inpatients	15,523	1.7%	>1C,1C,<1C	-	Stevenson <i>et al.</i> (1966)
	All-Panama	1956/57	RC dispensation	350	0	-	0	Freire-Maia (1968)
<b>North America</b>								
<b>Canada</b>	All-Canada	1959	RC dispensation	51,729	1.5%	1C,1 <sup>1/2</sup> C,2C	0.0005	Freire-Maia (1968)
	Quebec	1962/71	RC dispensation	21,874	1.3	UN,1C,1 <sup>1/2</sup> C,2C	0.0003	De Braekeleer & Ross (1991)
<b>U.S.A.</b>	All-U.S.A.	1959/60	RC dispensation	133,228	0.2%	1C,1 <sup>1/2</sup> C,2C	0.0001	Freire-Maia (1968)
	Wisconsin	1941/55	RC dispensation	170,914	0.2	1C,1 <sup>1/2</sup> C,2C	0.0001	Dewey <i>et al.</i> (1965)
	Wisconsin	1972/81	RC dispensation	140,289	0.1	1C,1 <sup>1/2</sup> C,2C	<0.0001	Lebel (1983)

## South America

<b>Argentina</b>	Buenos Aires	1954	RC dispensation	23,000	0.9%	UN,1C,1 <sup>1/2</sup> C,2C	0.0005	Freire-Maia (1957)
	All-Argentina	1956/57	RC dispensation	51,391	1.1	UN,1C,1 <sup>1/2</sup> C,2C	0.0006	Freire-Maia (1968)
	All-Argentina	1967/79	Obstetric inpatients	6,494	0.2	UN,1C,1 <sup>1/2</sup> 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)
	All-Argentina	1967/96	Hospital births	20,826	0.2	>1C,1C,1 <sup>1/2</sup> C,2C	0.0001	Liascovich <i>et al.</i> (2001)
<b>Bolivia</b>	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 <sup>1/2</sup> C,2C	0.0003	Freire-Maia (1968)
	All-Bolivia	1967/96	Hospital births	958	0.2	1C	0.0001	Liascovich <i>et al.</i> (2001)
<b>Brazil</b>	Sao Paulo	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 <sup>1/2</sup> C,2C	0.0012	Freire-Maia (1957)

Rio de Janeiro, east	1954	RC dispensation	1,272	1.6%	1C,1 <sup>1/2</sup> C,2C	0.0009	Freire-Maia (1957)
Sergipe, east	1954	RC dispensation	3,815	6.4	UN,1C,1 <sup>1/2</sup> C,2C	0.0032	Freire-Maia (1957)
Alagoas, north-east	1954	RC dispensation	3,566	11.7	UN,1C,1 <sup>1/2</sup> C,2C	0.0055	Freire-Maia (1957)
Sao Paulo, Serra do Mar	1950/55	RC dispensation	1,791	7.4	UN,1C,1 <sup>1/2</sup> C,2C	0.0026	Saldanha (1960)
Sao Paulo, Vale do Paraibo	1950/55	RC dispensation	11,108	0.5	1C,1 <sup>1/2</sup> C,2C	0.0002	Saldanha (1960)
Sao Paulo, Serra do Mantiqueira	1950/55	RC dispensation	1,750	4.0	1C,1 <sup>1/2</sup> C,2C	0.0017	Saldanha (1960)
All-Brazil	1956/57	RC dispensation	212,090	4.8	UN,1C,1 <sup>1/2</sup> C,2C	0.0023	Freire-Maia (1957)
Rio Grande do Sul	1967	RC dispensation	15,300	1.2	UN/AN,1C,1 <sup>1/2</sup> C,2C	0.0005	da Fonseca & Freire-Maia (1970)
Santa Catarina	1967	RC dispensation	10,064	1.3	1C,1 <sup>1/2</sup> C,2C	0.0005	da Fonseca & Freire-Maia (1970)
Parana	1967	RC dispensation	23,383	0.9	UN/AN,1C,1 <sup>1/2</sup> C,2C	0.0004	da Fonseca & Freire-Maia (1970)
Sao Paulo	1967	RC dispensation	39,318	1.9	UN/AN,1C,1 <sup>1/2</sup> C,2C	0.0006	da Fonseca & Freire-Maia (1970)
Guanabara	1967	RC dispensation	9,835	1.6	UN/AN,1C,1 <sup>1/2</sup> C,2C	0.0008	da Fonseca & Freire-Maia (1970)

Rio Janeiro	1967	RC dispensation	4,070	1.5%	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0007	da Fonseca & Freire-Maia (1970)
Espirito Santo	1967	RC dispensation	1,541	1.2	1C,1 <sup>1/2</sup> C,2C	0.0007	da Fonseca & Freire-Maia (1970)
Minas Gerais	1967	RC dispensation	38,864	6.4	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0027	da Fonseca & Freire-Maia (1970)
Bahia, Serra do Mar	1967	RC dispensation	8,514	3.4	1C,1 <sup>1/2</sup> C,2C	0.0017	da Fonseca & Freire-Maia (1970)
Sergipe	1967	RC dispensation	1,654	5.1	1C,1 <sup>1/2</sup> C,2C	0.0024	da Fonseca & Freire-Maia (1970)
Alagoas	1967	RC dispensation	7,294	4.9	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0022	da Fonseca & Freire-Maia (1970)
Pernambuco	1967	RC dispensation	10,753	7.0	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0032	da Fonseca & Freire-Maia (1970)
Paraiba	1967	RC dispensation	9,952	12.8	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0058	da Fonseca & Freire-Maia (1970)
Rio Grande do Norte	1967	RC dispensation	5,104	7.7	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0036	da Fonseca & Freire-Maia (1970)
Ceara	1967	RC dispensation	24,196	7.9	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0038	da Fonseca & Freire-Maia (1970)
Piaui	1967	RC dispensation	4,832	8.2	UN/AN,1C,1 <sup>1/2</sup> C, 2C	0.0034	da Fonseca & Freire-Maia (1970)
Maranhão	1967	RC dispensation	8,304	4.1	1C,1 <sup>1/2</sup> C,2C	0.0020	da Fonseca & Freire-Maia (1970)

Mato-Grosso	1967	RC dispensation	4,071	1.1%	1C,1 <sup>1/2</sup> C,2C	0.0005	da Fonseca & Freire-Maia (1970)
Goiás	1967	RC dispensation	3,038	1.9	1C,1 <sup>1/2</sup> C,2C	0.0008	da Fonseca & Freire-Maia (1970)
Rondonia	1967	RC dispensation	345	1.5	1C,1 <sup>1/2</sup> C,2C	0.0006	da Fonseca & Freire-Maia (1970)
Acre	1967	RC dispensation	945	5.4	UN/AN,1C,1 <sup>1/2</sup> C,2C	0.0023	da Fonseca & Freire-Maia (1970)
Amazonas	1967	RC dispensation	297	1.4	2C	0.0002	da Fonseca & Freire-Maia (1970)
Pará	1967	RC dispensation	4,476	1.1	UN/AN,1C,1 <sup>1/2</sup> C,2C	0.0003	da Fonseca & Freire-Maia (1970)
Porto Alegre, Whites	1965/70	Obstetric inpatients	2,328	1.9	1C,1 <sup>1/2</sup> C,2C	0.0008	de Araújo & Salzano (1974)
Porto Alegre Blacks	1965/70	Obstetric inpatients	984	2.0	1C,1 <sup>1/2</sup> C,2C	0.0009	de Araújo & Salzano (1974)
Bahia	1970s	Hospital visitors	925	7.0	UN,1C,1 <sup>1/2</sup> C,2C	0.0019	Azevedo <i>et al.</i> (1980)
All-Brazil	1967/79	Obstetric inpatients	2,328	1.1	1C,1 <sup>1/2</sup> C,2C	0.0005	Orioli <i>et al.</i> (1982)
Minas Gerais	1989	Household survey	252	15.1	1C,1 <sup>1/2</sup> C,2C	0.0027	Kaku & Freire-Maia (1992)
All-Brazil	1967/96	Hospital births	11,558	1.3	>1C,1C,1 <sup>1/2</sup> C,2C	0.0007	Liascovich <i>et al.</i> (2001)

	Rio Grande do Norte	-	Household survey	7,639	13.7%	UN,D1C,1C,1 <sup>1/2</sup> C,2C	0.0063	Santos <i>et al.</i> (2010)
<b>Chile</b>	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 <sup>1/2</sup> C,2C	0.0007	Freire-Maia (1968)
	Valparaiso	1957/66	RC dispensation	51,828	0.7	UN,1C,1 <sup>1/2</sup> C,2C	0.0006	Lazo <i>et al.</i> (1970)
	Santiago	1967/79	Obstetric inpatients	2,413	0.8	1C,1 <sup>1/2</sup> C,2C	0.0004	Orioli <i>et al.</i> (1982)
	All-Chile	1967/96	Hospital births	6,959	0.7	>1C,1C,1 <sup>1/2</sup> C,2C	0.0004	Liascovich <i>et al.</i> (2001)
<b>Colombia</b>	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 <sup>1/2</sup> C,2C	0.0012	Freire-Maia (1968)
	All-Colombia	1967/96	Hospital births	609	1.1	1C,2C	0.0005	Liascovich <i>et al.</i> (2001)
<b>Ecuador</b>	All-Ecuador	1956/57	RC dispensation	3,954	6.3%	UN,1C,1 <sup>1/2</sup> C,2C	0.0023	Freire-Maia (1968)
	Quito	1967/79	Obstetric inpatients	2,261	1.1	UN,1C,1 <sup>1/2</sup> C,2C	0.0005	Orioli <i>et al.</i> (1982)

	All-Ecuador	1967/96	Hospital births	2,311	1.1%	>1C,1C,1 <sup>1/2</sup> C,2C	0.0005	Liascovich <i>et al.</i> (2001)
<b>Peru</b>	All-Peru	1956/57	RC dispensation	565	4.1%	UN,1C,1 <sup>1/2</sup> C,2C	0.0027	Freire-Maia (1968)
	Lima	1967/79	Obstetric inpatients	203	1.0	1C,1 <sup>1/2</sup> C,2C	0.0006	Orioli <i>et al.</i> (1982)
	All-Peru	1967/96	Hospital births	332	0.6	1C	0.0004	Liascovich <i>et al.</i> (2001)
<b>Uruguay</b>	Montevideo	1952	RC dispensation	3,955	1.1%	1C,1 <sup>1/2</sup> C,2C	0.0006	Freire-Maia (1957)
	All-Uruguay	1956/57	RC dispensation	2,931	4.5	UN,1C,1 <sup>1/2</sup> C,2C	0.0019	Freire-Maia (1968)
	Montevideo	1967/79	Obstetric Inpatients	921	0.9	1C,1 <sup>1/2</sup> C,2C	0.0005	Orioli <i>et al.</i> (1982)
	All-Uruguay	1967/96	Hospital births	1,407	0.7	>1C,1C,1 <sup>1/2</sup> C,2C	0.0004	Liascovich <i>et al.</i> (2001)
<b>Venezuela</b>	All-Venezuela	1967/79	Obstetric inpatients	1,517	1.3%	D1C,1C,1 <sup>1/2</sup> C,2C	0.0007	Orioli <i>et al.</i> (1982)
	All-Venezuela	1967/96	Hospital births	8,592	1.4	>1C,1C,1 <sup>1/2</sup> C,2C	0.0006	Liascovich <i>et al.</i> (2001)