

Twin Research and Human Genetics

The CODAtwins Project: The Cohort Description of Collaborative Project of Development of Anthropometrical Measures in Twins to Study Macro-Environmental Variation in Genetic and Environmental Effects on Anthropometric Traits

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Supplementary Table 1 (see over)

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Basic Characteristics of the Twin Cohorts Participating in the CODATwins Project											
Cohort name	Number of twin individuals	% of females	Number of complete twin pairs	% of MZ pairs	% of OSDZ pairs	Age range	Birth cohorts	Identification of twin pairs	Zygoty measure	Height and weight measures	Birth anthropometric measures
Africa											
Guinea-Bissau Twin Study	253	53	108	15	58	0–3	2009–2013	Hospitals, demographic surveillance sites	Q	Measured	Measured length and weight
Australia											
Australian Twin Registry	2,536	78	1,210	72	9	18–97	1916–1996	Media, Australian Multiple Birth Association, hospitals	DNA and Q	Self-reported	Self-reported weight
Peri/Postnatal Epigenetic Twins Study (PETS)	443	53	221	41	26	1–7	2007–2009	Twin pregnancies in three hospitals	DNA	Measured	Measured lengths and weight
Queensland Twin Register	23,456	59	10,685	44	24	6–95	1900–2002	Birth records	DNA and Q	Measured and self-reported	NA
East-Asia											
Guangzhou Twin Eye Study	1,122	52	561	63	19	6–19	1990–2002	Population registry	DNA and Q	Measured	NA
Japanese Twin Cohort	4,341	51	2,169	62	15	1–12	1950–2003	High school applicants	Q	Parentally reported	Parentally reported length and weight
Korean Twin-Family Register	1,353	62	672	82	0	20–79	1934–1990	Population registry	DNA and Q	Measured	NA
Mongolian Twin Registry	166	49	83	43	22	0–65	1948–2012	Birth records	Q	Self-reported	Self-reported length and weight

Osaka University Aged Twin Registry	689	60	288	61	5	20–98	1915–1993	School records	DNA and Q	Self-reported	NA
South Korea Twin Registry	2,278	54	1,139	59	20	7–26	1983–2003	Schools, hospitals, media and childcare agencies	Q	Self-reported	NA
Qingdao Twin Registry (adults)	986	51	493	61	20	23–81	1925–1984	Medical records, schools and media	DNA and blood type	Measured	NA
Qingdao Twin Registry (children)	1,175	52	587	53	20	8–17	1989–1998	Medical records, schools and media	DNA and blood type	Measured	Parentally reported length and weight
West Japan Twins and Higher Order Multiple Births Registry	1,552	53	767	53	25	0–45	1964–2013	Contacting public health centers	Q	Parentally reported	Parentally reported length and weight
Europe											
Adult Netherlands Twin Registry	9,645	64	4,786	50	22	18–91	1918–1994	City council registers, media, websites and social media	DNA and Q	Measured and self-reported	Self-report birth weight
Berlin Twin Register	614	58	307	66	12	10–78	1925–1990	Media	DNA and Q	Self-reported	NA
Bielefeld Longitudinal Study of Adult Twins	2,366	75	1,088	66	10	14–80	1914–1980	Registration offices, media, twin clubs	Q	Self-reported	NA

Danish Twin Cohort	34,665	54	11,667	29	31	30–100	1895–1982	Birth registers, population registers and medical birth registers	Q	DNA and Q	NA
East Flanders Prospective Twin Survey	803	52	379	64	11	18–34	1964–1982	Birth records	Chorionicity, blood and DNA	Measured	Measured weight
Finnish Older Twin Cohort	29,568	51	13,422	28	11	18–101	1880–1957	Birth records	Q	Self-reported	NA
FinnTwin12	4,954	50	2,467	34	33	10–27	1983–1987	Birth records	Q	Self-reported	Parentally reported length and weight
FinnTwin16	5,701	52	2,846	32	35	16–37	1974–1979	Birth records	Q	Self-reported	Parentally reported length and weight
Gemini Study	3,495	51	1,737	33	33	0–5	2007	Birth records	DNA and Q	Measured	Parentally reported length and weight
Genesis 12–19 study	1,662	55	747	36	33	13–28	1985–1988	Birth records	DNA and Q	Self-reported	NA
Hungarian Twin Registry	825	65	389	59	13	2–82	1927–2012	Twin festivals, media	DNA and Q	Measured	Self-reported weight
Italian Twin Registry	17,361	56	7,432	44	25	1–90	1917–2007	Municipality records, disease registries and hospitals	DNA and Q	Measured and self-reported	Parentally reported length and weight
Murcia Twin Registry	2,258	57	999	35	27	41–71	1939–1966	Health records	DNA and Q	Measured and self-reported	Self-reported weight
Norwegian Twin Registry	13,941	53	5,254	46	0	20–75	1915–1960	Birth records	Q	Self-reported	Self-reported weight
Portugal Twin Cohort	1,789	50	803	42	23	3–20	1982–2004	Schools, media, city halls, twin meetings	DNA and Q	Measured	NA

Swedish twin cohorts	65,995	53	29,820	31	19	14–99	1886–1958	Birth records	Q	Self-reported	NA
Swedish Young Male Twins Study (adults)	2,151	0	1,074	57	0	17–29	1973–1979	Birth records	Q	Self-reported	Measured length and weight
Swedish Young Male Twins Study (children)	898	0	352	63	0	0–23	1973–1979	Birth records	Q	Measured	Measured length and weight
TCHAD-study	2,570	52	1,265	40	30	7–21	1976–1978	Birth records	Q	Parentally and self-reported	NA
Twins Early Development Study	18,354	51	9,065	34	33	2–17	1994–1996	Birth records	DNA and Q	Parentally and self-reported	Parentally reported length and weight
TwinsUK	9,034	88	4,316	51	1	18–88	1917–1990	media, websites and social media	DNA and Q	Measured and self-reported	NA
Young Netherlands Twin Registry	34,524	50	17,237	33	33	1–20	1986–2005	Association of parents of multiples, commercial organizations websites and social media	DNA and Q	Parental and self-reported	Parentally reported length and weight as assessed by obstetrician/midwife
South-Asia and Middle-East											
Longitudinal Israeli Study of Twins	995	49	489	23	36	3–10	2003–2007	Birth records	DNA and Q	Measured	NA
Sri Lanka Twin Registry	2,485	56	933	45	27	20–88	1925–1993	Door-to-door visit survey, newsletters, cultural activities, media, birth records	DNA and Q	Self-reported	NA

Turkish Twin Study	584	46	288	37	27	14–69	1942–1996	Birth records	Q	Self-reported	NA
North-America											
Boston University Twin Project	627	47	313	46	0	2–3	2001–2004	Birth records	DNA	Measured	Parentally reported length and weight
California Twin Program	27,237	58	13,384	39	26	17–91	1908–1982	Birth records	Q	Self-reported	NA
Carolina African American Twin Study of Aging	532	59	249	35	27	22–88	1910–1979	Birth records	DNA and Q	Measured	Self-reported weight
Colorado Twin Registry	2,861	48	1,421	48	19	11–29	1979–1991	Birth records	DNA and Q	Measured	Measured weight
Michigan State University Twin Registry	22,172	49	10,253	30	34	2–51	1961–2010	Birth records	DNA and Q	Parentally and self-reported; Measured	Parentally and self-reported weight
Mid Atlantic Twin Registry	11,801	65	5,743	46	23	16–93	1894–1987	Birth records, schools, hospitals and events	DNA and Q	Self-reported	NA
Minnesota Twin Family Study	1,511	50	755	64	0	10–19	1972–1984	Birth records	DNA	Measured	Parentally reported weight
Minnesota Twin Registry	10,122	55	3,998	40	23	26–63	1923–1958	Birth records	Q	Self-reported	Weight based on birth certificate
NAS-NRC Twin Registry	27,093	0	13,540	44	0	15–82	1917–1927	Birth records	Q and DNA	Measured and self-reported	NA
Quebec Newborn Twin Study	1,342	50	668	38	30	0–14	1997–1997	Birth records	DNA and Q	Measured and parentally reported	Measured length and weight
SRI-international	1,092	70	539	75	8	17–83	1921–1997	Community based advertising	Q	Measured and self-reported	NA

Texas Twin Project	565	51	282	35	30	8–20	1991–2003	Schools	Q	Self-reported	NA
University of British Columbia Twin Project	1,450	67	719	53	13	15–86	1905–1976	Media	Q	Self-reported	NA
University of Southern California Twin Study	1,541	50	770	44	26	9–22	1990–1995	Schools, birth and voter records	DNA and Q	Measured	Parentally reported length and weight
University of Washington Twin Registry	15,940	61	7,921	53	22	18–97	1914–1995	The Washington State Department of Licensing application system	DNA and Q	Self-reported	NA
Vietnam Era Twin Study of Aging	1,237	0	614	57	0	51–67	1943–1955	Department of Defense and Department of Veteran Affairs databases	DNA and Q	Measured	NA

Note: Q = questionnaire; MZ = monozygotic; OSDZ = opposite-sex dizygotic.