

Supplementary Table 1. 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/mid wife
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	22,172	49	10,253	30	34	2-51	1961-2010	Birth records	DNA and Q	Parentally and self-	Parentally and self-reported

Registry										reported; Measured	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	DNA and Q	Self-reported	NA

								of Licensing application system			
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

Q=questionnaire; MZ=monozygotic; OSDZ=opposite-sex dizygotic