Study	Year of public ation	Study design	Years of data collect ion	Data collection method	Data analysis method	Setting	Sample size N=43148	Race/Ethnicity	Materna l age [mean, SD, years]	GA at delivery [mean (SD) weeks]	Maternal weight at delivery [mean (SD) kg]	BMI at delivery [mean (SD), kg/m²)	Birth weight [mean (range) g]
Chen et al. ²³	1986	Obser vation al	1982- 1983	Extraction of labour observations from labour chart	Details not described. Nomogram was constructed through linear regression.	Chan Gung Memorial Hospital, Taipei, Taiwan	500	Chinese:100%	24.3	39.5	-	-	3206 (2500-3850)
Zhang et al. ⁷	2002	Obser vation al	1992- 1996	Extraction of labour observations from labour chart	Repeated- measures regression with a 10th-order polynomial function	Tripler Army Medical Centre, a tertiary care facility serving military personnel and their families in Hawaii, USA	1162	Non-Hispanic White: 65%; Non-Hispanic Black:12%; Hispanic: 7%; Asian: 11%; Other: 5%	23.0	39.3	76.7	-	3206 (2500-3850)
Suzuki et al. ²⁴	2010	Obser vation al	2001- 2005	Extraction of labour observations from labour chart	Repeated- measures regression with a 10th-order polynomial function	4 primary medical hospitals performing normal deliveries, Japan	2369	Japanese:100%	28.0(4.5)	39.8 (0.9)	61.7 (7.6)	-	3036 (2104-4210
Zhang et al. ⁶	2010	Obser vation al	1959- 1965	Prospective data collection through in- person interviews, physical and laboratory exams and documentation in medical records	Repeated- measures regression with an 8th-order polynomial function	12 hospitals in the National Collaborative Perinatal Project, USA	8690	White: 53%; African- American: 39%; Other: 8%	20.3(3.9)	39.8 (1.4)	_	25.4 (3.5)	3185
Zhang et al. ²¹	2010	Obser vation al	2002- 2008	Retrospective data extraction from electronic medical records	Repeated- measures regression with an 8th-order polynomial function	19 hospitals in the Consortium on Safe Labor Project, USA	27170	White: 60%; African- American: 12%; Hispanic: 20%; Asian or Pacific Islanders: 4%; Others: 4%	24.6(5.8)	39.3 (1.2)	_	29.1 (5.0)	3296
Shi et al. ²²	2016	Obser vation al	2013- 2014	Prospective data collection with the LaborPro system (Trig Medical Ltd, Yokneam, Israel)	Repeated- measures regression with a 8th-order polynomial function	First Affiliated Hospital of Chongqing Medical University, a university-based tertiary centre, China	1091	Chinese:100%	27.0(3.2)	39.5 (0.9)	_	26.1 (2.8)	3301
Oladap o et al. ²⁵	2017	Obser vation al	2014- 2015	Prospective data extraction following direct labour assessment	Survival analysis using interval censored times and Markov multistate model	13 secondary/tertiary level hospitals in Nigeria and Uganda	2166	Nigerian: 50.9%; Ugandan: 49.1%	25.1(4.2)	38.7(1.1)	71.8 (11.6)	28.1 (4.1)	3140

Table S1. Characteristics of included studies and study populations (nulliparous)