SUPPLEMENTAL MATERIAL

Supplementary Table 1. Hazard ratios (95% confidence intervals) for preterm delivery in first pregnancy and MI and stroke

	Term: ≥37 weeks (n=64,004)	Preterm: <37 weeks (n=6,178)	Moderate Preterm: ≥32 to <37 weeks (n=4,712)	Very Preterm: <32 weeks (n=1,466)
Myocardial Infarction				
Cases/Person-Years[*]	429/2,023,726	68/189,048	44/143,199	24/45,849
Model 1[†]	1.00 (ref)	1.71 (1.33, 2.22)	1.48 (1.08, 201)	2.43 (1.61, 3.67)
Model 2[†]	1.00 (ref)	1.63 (1.26, 2.12)	1.45 (1.06, 1.98)	2.17 (1.42, 3.31)
Model 3[†]	1.00 (ref)	1.55 (1.19, 2.01)	1.36 (0.99, 1.86)	2.10 (1.38, 3.21)
Stroke				
Cases/Person-Years[*]	404/2,023,726	51/189,048	32/143,199	19/45,849
Model 1[‡]	1.00 (ref)	1.37 (1.02, 1.84)	1.14 (0.80, 1.64)	2.07 (1.31, 3.28)
Model 2[‡]	1.00 (ref)	1.31 (0.97, 1.75)	1.11 (0.78, 1.60)	1.87 (1.17, 2.99)
Model 3[‡]	1.00 (ref)	1.28 (0.95, 1.71)	1.09 (0.76, 1.56)	1.84 (1.15, 2.95)

Model 1 is adjusted for age at first birth, age in 1989, race/ethnicity, and parental education

Model 2 is additionally adjusted for pre-pregnancy BMI, pre-pregnancy smoking, pre-pregnancy Alternative Healthy Eating Index (AHEI) score (in quintiles), pre-pregnancy alcohol intake, physical activity at age 18, and pre-pregnancy oral contraceptive use

Model 3 is additionally adjusted for pre-pregnancy chronic hypertension, pre-pregnancy hypercholesterolemia, pre-pregnancy type 2 diabetes mellitus, and family history of MI or stroke before age 60

[*]Total case numbers differ from those in Table 2 because 3 women experienced an MI and stroke at the same age and are included as events in both the MI and stroke analysis. Person-years are the same for the stroke and MI analyses because women are censored at their first CVD event (MI or stroke), regardless of event type, in both analyses.

[†]Compares preterm (<37 weeks) to term (≥37 weeks)

[‡]Preterm category is split into moderate preterm (≥32 to <37 weeks) and very preterm (<32 weeks)

Supplementary Table 2. Hazard ratios (95% confidence intervals) for ever preterm delivery and cardiovascular events (MI and stroke) at age 40 or later, among women with no births at age 40 or later

	Never Preterm: ≥37 weeks (n=57,953)	Ever Preterm: <37 weeks (n=9,474)	Ever Moderate Preterm: ≥32 to <37 weeks (n=6,859)	Ever Very Preterm: <32 weeks (n=2,615)	p-trend[§]
Cases/Person-Years[*]	709/1,083,991	163/174,209	98/124,437	65/49,772	
Model 1[†]	1.00 (ref)	1.44 (1.21, 1.70)	---	---	---
Model 2[†]	1.00 (ref)	1.39 (1.17, 1.65)	---	---	---
Model 3[†]	1.00 (ref)	1.36 (1.15, 1.62)	---	---	---
Model 4[†]	1.00 (ref)	1.39 (1.17, 1.65)	---	---	---
Model 1[‡]	1.00 (ref)	---	1.24 (1.00, 1.53)	1.90 (1.47, 2.45)	<0.0001
Model 2[‡]	1.00 (ref)	---	1.22 (0.98, 1.50)	1.79 (1.38, 2.31)	<0.0001
Model 3[‡]	1.00 (ref)	---	1.18 (0.96, 1.46)	1.76 (1.36, 2.28)	<0.0001
Model 4[‡]	1.00 (ref)	---	1.19 (0.97, 1.48)	1.87 (1.44, 2.43)	<0.0001

Model 1 is adjusted for age at first birth, age in 1989, race/ethnicity, and parental education

Model 2 is additionally adjusted for pre-pregnancy BMI, pre-pregnancy smoking, pre-pregnancy Alternative Healthy Eating Index (AHEI) score (in quintiles), pre-pregnancy alcohol intake, physical activity at age 18, and pre-pregnancy oral contraceptive use

Model 3 is additionally adjusted for pre-pregnancy chronic hypertension, pre-pregnancy hypercholesterolemia, pre-pregnancy type 2 diabetes mellitus, and family history of MI or stroke before age 60

Model 4 is additionally adjusted for parity at age 40

[*]Sample size and total case numbers differ from those in Table 2due to additional exclusion criteria: missing gestation length in the 2nd pregnancy on, reported gestation length <20 weeks and live birth, had a birth after age 40, or had an MI or stroke before age 40

[†]Compares ever preterm (<37 weeks) to never preterm (≥37 weeks)

[‡]Ever preterm category is split into ever moderate preterm (≥32 to <37 weeks) and ever very preterm (<32 weeks)

[§] For trend test, the measure of prematurity was included model as a continuous variable with most common gestation length as the value to represent each category

Supplementary Table 3. Hazard ratios (95% confidence intervals) for preterm delivery in first pregnancy and cardiovascular events (MI and stroke), classified by live and still birth

	Term[*]: ≥37 weeks (n=63,826)	Moderate Preterm*: ≥32 to <37 weeks (n=4,697)	Very Preterm Live Birth: <32 weeks (n=762)	Very Preterm Stillbirth: <32 weeks (n=697)	p-trend[†]
Cases/Person-Years[‡]	827/2,018,120	75/142,730	20/23,088	23/22,549	
Model 1	1.00 (ref)	1.31 (1.03, 1.66)	2.09 (1.34, 3.26)	2.47 (1.63, 3.73)	<0.0001
Model 2	1.00 (ref)	1.28 (1.01, 1.62)	2.03 (1.30, 3.16)	2.11 (1.37, 3.24)	<0.0001
Model 3	1.00 (ref)	1.22 (0.96, 1.55)	1.98 (1.27, 3.08)	2.07 (1.35, 3.18)	<0.0001

Model 1 is adjusted for age at first birth, age in 1989, race/ethnicity, and parental education

Model 2 is additionally adjusted for pre-pregnancy BMI, pre-pregnancy smoking, pre-pregnancy Alternative Healthy Eating Index (AHEI) score (in quintiles), pre-pregnancy alcohol intake, physical activity at age 18, and pre-pregnancy oral contraceptive use

Model 3 is additionally adjusted for pre-pregnancy chronic hypertension, pre-pregnancy hypercholesterolemia, pre-pregnancy type 2 diabetes mellitus, and family history of MI or stroke before age 60

[*]Contains both live births and stillbirths. There are 245 stillbirths in the term group and 75 stillbirths in the moderate preterm group.

[†] For trend test, the measure of prematurity was included model as a continuous variable with most common gestation length as the value to represent each category

[‡]Case numbers and person years differ from Table 2 due to an additional exclusion criterion: missing outcome for the first pregnancy