

SUPPLEMENTAL MATERIAL

Contents

Supplemental Table 1. Interactions between women's pregnancy duration and preeclampsia in relation to mortality with up to 44 years of follow-up.	Page 2
Supplemental Table 2. Interactions between women's pregnancy duration and fetal growth in relation to mortality with up to 44 years of follow-up.	Page 3
Supplemental Table 3. Associations between women's pregnancy duration or number of preterm deliveries and mortality with up to 44 years of follow-up, stratified by maternal age or calendar year at first delivery.	Page 4
Supplemental Figure 1. Kaplan-Meier survival curves by pregnancy duration.	Page 5

Supplemental Table 1. Interactions between women's pregnancy duration and preeclampsia in relation to mortality with up to 44 years of follow-up.

	Pregnancy duration						HRs for early term vs. full-term within preeclampsia strata	HRs for preterm vs. full-term within preeclampsia strata
	Full-term (39-41 wks)		Early term (37-38 wks)		Preterm (<37 wks)			
	Rate ^a (Deaths)	Adjusted HR (95% CI) ^b	Rate ^a (Deaths)	Adjusted HR (95% CI) ^b	Rate ^a (Deaths)	Adjusted HR (95% CI) ^b		
Preeclampsia								
No	140.0 (24,776)	Reference	174.0 (8,067)	1.17 (1.14, 1.20); <i>P</i> <0.001	248.9 (3,402)	1.51 (1.45, 1.56); <i>P</i> <0.001	1.17 (1.14, 1.20); <i>P</i> <0.001	1.51 (1.45, 1.56); <i>P</i> <0.001
Yes	137.3 (23,640)	0.98 (0.97, 1.00); <i>P</i> =0.05	160.3 (6,917)	1.12 (1.09, 1.15); <i>P</i> <0.001	255.3 (2,885)	1.56 (1.50, 1.62); <i>P</i> <0.001	1.14 (1.11, 1.17); <i>P</i> <0.001	1.59 (1.53, 1.65); <i>P</i> <0.001
HRs (95% CI) for preeclampsia within pregnancy duration strata		0.98 (0.97, 1.00); <i>P</i> =0.05		0.95 (0.92, 0.98); <i>P</i> =0.002		1.04 (0.99, 1.09); <i>P</i> =0.16		
Interaction on additive scale: RERI (95% CI)				-0.04 (-0.08, 0.001); <i>P</i> =0.06		0.07 (-0.005, 0.15); <i>P</i> =0.07		
Interaction on multiplicative scale: HR ratio (95% CI)				0.97 (0.93, 1.00); <i>P</i> =0.08		1.06 (1.00, 1.11); <i>P</i> =0.05		

^aAll-cause mortality rate per 100,000 person-years.

^bAdjusted for maternal age, year of delivery, parity, education, employment, income, region of origin, BMI, smoking, other hypertensive disorders, diabetes, asthma, rheumatoid arthritis, and depression.

HR = hazard ratio, RERI = relative excess risk due to interaction

Supplemental Table 2. Interactions between women's pregnancy duration and fetal growth in relation to mortality with up to 44 years of follow-up.

	Pregnancy duration						HRs (95% CI) for early term vs. full-term within fetal growth strata	HRs (95% CI) for preterm vs. full-term within fetal growth strata
	Full-term (39-41 wks)		Early term (37-38 wks)		Preterm (<37 wks)			
	Rate ^a (Deaths)	Adjusted HR (95% CI) ^b	Rate ^a (Deaths)	Adjusted HR (95% CI) ^b	Rate ^a (Deaths)	Adjusted HR (95% CI) ^b		
Fetal growth								
AGA	137.0 (33,912)	Reference	145.2 (13,292)	1.12 (1.10, 1.15); <i>P</i> <0.001	194.8 (6,531)	1.42 (1.38, 1.46); <i>P</i> <0.001	1.12 (1.10, 1.15); <i>P</i> <0.001	1.42 (1.38, 1.46); <i>P</i> <0.001
SGA	230.2 (5,304)	1.40 (1.36, 1.44); <i>P</i> <0.001	252.2 (1,620)	1.58 (1.50, 1.66); <i>P</i> <0.001	303.8 (1,015)	1.81 (1.70, 1.93); <i>P</i> <0.001	1.12 (1.06, 1.19); <i>P</i> <0.001	1.29 (1.21, 1.38); <i>P</i> <0.001
HRs (95% CI) for SGA vs. AGA within pregnancy duration strata		1.40 (1.36, 1.44); <i>P</i> <0.001		1.40 (1.33, 1.48); <i>P</i> <0.001		1.28 (1.19, 1.36); <i>P</i> <0.001		
Interaction on additive scale: RERI (95% CI)			0.05 (-0.04, 0.14); <i>P</i> =0.25		-0.01 (-0.13, 0.11); <i>P</i> =0.88			
Interaction on multiplicative scale: HR ratio (95% CI)			1.00 (0.94, 1.06); <i>P</i> =0.95		0.91 (0.84, 0.98); <i>P</i> =0.008			

^aAll-cause mortality rate per 100,000 person-years.

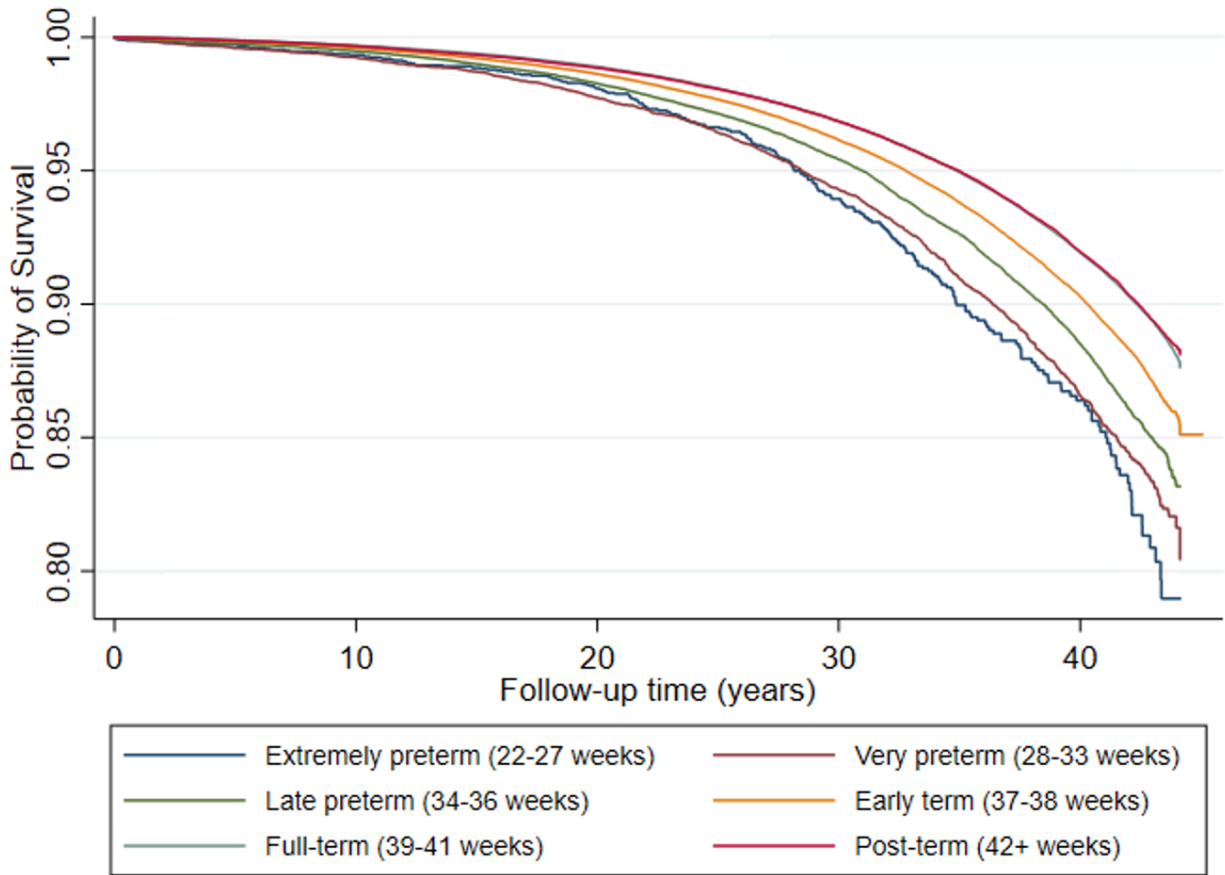
^bAdjusted for maternal age, year of delivery, parity, education, employment, income, region of origin, BMI, smoking, preeclampsia, other hypertensive disorders, diabetes, asthma, rheumatoid arthritis, and depression.

AGA = appropriate for gestational age, HR = hazard ratio, RERI = relative excess risk due to interaction, SGA = small for gestational age

Supplemental Table 3. Associations between women's pregnancy duration or number of preterm deliveries and mortality with up to 44 years of follow-up, stratified by maternal age or calendar year at first delivery.

	HR (95% CI) ^a	HR (95% CI) ^a	P for interaction
Maternal age at first delivery			
Pregnancy duration	<35 years	≥35 years	
Preterm (<37 wks)	1.38 (1.34, 1.42)	1.44 (1.36, 1.53)	0.93
Extremely preterm (22-27 wks)	1.65 (1.42, 1.92)	1.58 (1.22, 2.03)	
Very preterm (28-33 wks)	1.56 (1.48, 1.66)	1.54 (1.39, 1.72)	
Late preterm (34-36 wks)	1.31 (1.26, 1.36)	1.40 (1.31, 1.50)	
Early term (37-38 wks)	1.12 (1.09, 1.14)	1.14 (1.09, 1.19)	
Full-term (39-41 wks)	Reference	Reference	
Post-term (≥42 wks)	1.03 (1.00, 1.05)	1.04 (0.98, 1.11)	
Per additional week (trend)	0.96 (0.96, 0.97)	0.96 (0.95, 0.96)	0.23
Number of preterm deliveries			
0	Reference	Reference	0.67
1	1.30 (1.27, 1.34)	1.36 (1.28, 1.43)	
≥2	1.32 (1.25, 1.40)	1.48 (1.18, 1.84)	
Year of first delivery			
Pregnancy duration	<1980	≥1980	
Preterm (<37 wks)	1.39 (1.34, 1.43)	1.35 (1.29, 1.41)	0.42
Extremely preterm (22-27 wks)	1.55 (1.31, 1.84)	1.59 (1.31, 1.93)	
Very preterm (28-33 wks)	1.55 (1.45, 1.65)	1.50 (1.38, 1.63)	
Late preterm (34-36 wks)	1.33 (1.28, 1.38)	1.29 (1.23, 1.36)	
Early term (37-38 wks)	1.12 (1.09, 1.15)	1.11 (1.08, 1.15)	
Full-term (39-41 wks)	Reference	Reference	
Post-term (≥42 wks)	1.04 (1.01, 1.06)	1.01 (0.97, 1.06)	
Per additional week (trend)	0.97 (0.96, 0.97)	0.96 (0.96, 0.97)	0.72
Number of preterm deliveries			
0	Reference	Reference	0.16
1	1.30 (1.26, 1.34)	1.30 (1.25, 1.36)	
≥2	1.35 (1.25, 1.45)	1.29 (1.18, 1.40)	

^aAdjusted for maternal age, year of delivery, parity, education, employment, income, region of origin, BMI, smoking, preeclampsia, other hypertensive disorders, diabetes, asthma, rheumatoid arthritis, and depression.



Supplemental Figure 1. Kaplan-Meier survival curves by pregnancy duration.