

Supplemental Material:

Supplemental Table 1. Associations of low birth weight, small for gestational age or preterm birth with chronic kidney disease stage 3, 4 or 5.

Supplemental Table 2. Associations of low birth weight, small for gestational age or preterm birth with diverse forms of kidney disease. Analyses for cohort born before 1990.

Supplemental table 1. Associations of low birth weight, small for gestational age or preterm birth with chronic kidney disease stage 3, 4 or 5.

Exposure		CKD stage 3		CKD Stage 4		CKD stage 5	
		N	OR (95% CI)	N	OR(95% CI)	N	OR (95% CI)
Birth weight <10 th percentile	No	1501	1.0 (ref)	809	1.0 (ref)	722	1.0 (ref)
	Yes	304	1.80 (1.60-2.05)	167	1.84 (1.56-2.18)	152	1.88 (1.58-2.24)
Z-score <10 th percentile	No	1415	1.0 (ref)	763	1.0 (ref)	694	1.0 (ref)
	Yes	297	1.89 (1.67-2.14)	173	2.04 (1.73-2.41)	137	1.78 (1.48-2.13)
Preterm birth	No	1676	1.0 (ref)	913	1.0 (ref)	823	1.0 (ref)
	Yes	133	1.65 (1.38-1.97)	70	1.59 (1.25-2.03)	57	1.44 (1.10-1.88)
Birth weight < 2.5 kg	No	1692	1.0 (ref)	927	1.0 (ref)	827	1.0 (ref)
	Yes	117	2.09 (1.73-2.52)	56	1.82 (1.39-2.38)	53	1.93 (1.46-2.55)

Supplemental Table 2. Associations of low birth weight, small for gestational age or preterm birth with diverse forms of kidney disease. Analyses for cohort born before 1990.

Exposure		Chronic kidney disease		Acute kidney injury		Glomerulonephritis		Hereditary kidney disease		Malformations of the kidney or urinary tract	
		N	aOR (95% CI)*	N	aOR (95% CI)*	N	aOR (95% CI)*	N	aOR (95% CI)*	N	aOR (95% CI)*
Birth weight <10 th percentile – LBW	No	3095	1.0 (ref)	3085	1.0(ref)	2362	1.0(ref)	631	1.0(ref)	560	1.0(ref)
	Yes	582	1.58 (1.45-1.73)	524	1.43(1.30-1.57)	341	1.23(1.10-1.38)	93	1.23 (0.99-1.54)	78	1.17(0.92-1.50)
Z-score <10 th percentile - SGA	No	2907	1.0 (ref)	2879	1.0(ref)	2204	1.0(ref)	594	1.0(ref)	524	1.0(ref)
	Yes	602	1.51 (1.40-1.65)	556	1.41(1.30-1.55)	361	1.22(1.10-1.36)	108	1.33 (1.10-1.64)	83	1.16(0.92-1.50)
Preterm birth	No	3471	1.0(ref)	3418	1.0(ref)	2580	1.0(ref)	693	1.0(ref)	614	1.0(ref)
	Yes	241	1.38(1.17-1.55)	197	1.25(1.10-1.45)	125	1.10(0.90-1.30)	38	1.22(0.88-1.70)	26	0.96(0.66-1.42)
Birth weight < 2.5 kg	No	3483	1.0(ref)	3446	1.0(ref)	2594	1.0(ref)	705	1.0(ref)	613	1.0(ref)
	Yes	202	1.80(1.55-2.07)	169	1.51(1.30-1.78)	111	1.32(1.09-1.60)	26	1.15(0.75-1.65)	27	1.28(0.87-2.00)

*Adjusted for gender, maternal disease (defines as maternal diabetes mellitus, kidney disease, rheumatic disease or essential hypertension diagnosed before pregnancy), maternal marital status and malformations in the newborn.