

**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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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 <sup>th</sup> 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.