

Table S3: Childhood cancers whose risk appears independent of birthweight: analysis by birthweight category

Cancer	Dataset ^a	Cases	Controls	Birthweight category (kg) ^b					
				0.50-1.99	2.00-2.49	2.50-2.99	3.00-3.49	3.50-3.99	≥4.00
Retinoblastoma									
Total	USA	660	53716	1.24 (0.67-2.29)	0.85 (0.54-1.34)	0.89 (0.70-1.13)	1	0.90 (0.74-1.09)	0.89 (0.68-1.16)
	UK	839	1116	0.79 (0.30-2.07)	0.84 (0.43-1.64)	0.97 (0.69-1.37)	1	0.91 (0.70-1.19)	0.82 (0.52-1.30)
Retinoblastoma - heritable	USA	162	53716	0.92 (0.29-2.95)	0.55 (0.21-1.46)	0.67 (0.40-1.11)	1	0.84 (0.58-1.22)	0.78 (0.45-1.35)
	UK	336	434	0.33 (0.07-1.65)	2.13 (0.76-5.99)	0.86 (0.48-1.54)	1	0.84 (0.56-1.25)	0.96 (0.46-1.97)
Retinoblastoma - nonheritable	USA	412	53716	1.34 (0.60-2.98)	0.88 (0.49-1.58)	0.95 (0.70-1.28)	1	0.92 (0.72-1.17)	0.93 (0.67-1.29)
	UK	503	682	1.60 (0.41-6.29)	0.37 (0.13-1.04)	1.04 (0.68-1.59)	1	0.97 (0.68-1.38)	0.74 (0.41-1.34)
Malignant bone tumours									
Total	USA	511	53716	0.58 (0.24-1.39)	1.14 (0.72-1.79)	0.87 (0.66-1.16)	1	1.04 (0.84-1.28)	0.98 (0.73-1.33)
	UK	720	1078	1.04 (0.39-2.77)	0.87 (0.41-1.84)	0.84 (0.60-1.19)	1	0.93 (0.70-1.21)	0.97 (0.62-1.51)
Osteosarcomas	USA	251	53716	0.36 (0.08-1.67)	1.02 (0.53-1.97)	0.95 (0.65-1.38)	1	0.95 (0.70-1.30)	1.11 (0.73-1.67)
	UK	390	583	2.00 (0.50-8.00)	1.50 (0.46-4.89)	0.89 (0.56-1.41)	1	1.01 (0.70-1.46)	1.70 (0.89-3.23)
Chondrosarcomas	USA	13	53716	n/d	n/d	n/d	1	1.40 (0.42-4.62)	n/d
	UK	12	17	n/d	n/d	n/d	1	1.38 (0.31-6.11)	n/d
Ewing tumour and related bone sarcomas	USA	202	53716	0.68 (0.18-2.59)	1.43 (0.73-2.83)	0.96 (0.61-1.51)	1	1.22 (0.87-1.71)	0.93 (0.57-1.53)
	UK	288	436	0.88 (0.16-4.87)	0.58 (0.21-1.61)	0.72 (0.40-1.28)	1	0.84 (0.54-1.30)	0.62 (0.31-1.23)
Other specified malignant bone tumours	USA	31	53716	1.34 (0.09-19.28)	0.89 (0.10-7.57)	0.67 (0.18-2.42)	1	1.13 (0.48-2.69)	1.45 (0.50-4.26)
	UK	15	21	n/d	n/d	1.00 (0.14-7.10)	1	1.50 (0.25-8.98)	n/d
Unspecified malignant bone tumours	USA	14	53716	n/d	n/d	n/d	1	0.24 (0.05-1.11)	n/d
	UK	15	21	n/d	n/d	1.50 (0.25-8.98)	1	n/d	n/d

n/d = not determined as only 1 case.

^a Data was adjusted for sex, period and region of birth. USA data was further adjusted for gestational age, birth order, plurality, maternal age and race/ethnicity. This information was not available for UK data.

^b Odds ratios (95% confidence intervals).