

Table S1. Health symptoms related with mobile phone use in children of 10 cities data, 2008, Korea

Symptoms	No. of outgoing calls per day (n=993) ^b >1.5 vs. ≤1.5		Average duration of a voice call (min) (n=998) ^b ≥1 vs. <1		Cumulative time spent for voice calls (hr) ^a (n=524) ^b ≥8.4 vs. <8.4	
	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)
	Discomfort	3.02	(1.16-7.86)	2.12	(0.88-5.11)	2.33
Dizziness	1.41	(0.63-3.14)	2.64	(1.16-5.98)	2.53	(0.76-8.45)
Dry skin	4.15	(1.12-15.39)	3.43	(1.16-10.10)	4.22	(0.76-23.55)
Eye pain	1.65	(0.78-3.47)	1.66	(0.76-3.60)	2.65	(0.79-8.96)
Fatigue	1.25	(0.65-2.41)	2.73	(1.43-5.21)	2.22	(0.86-5.74)
Headache	1.36	(0.60-3.09)	2.04	(0.91-4.60)	2.91	(0.89-9.48)
Impaired concentration	2.68	(1.47-4.90)	2.22	(1.26-3.93)	3.02	(1.49-6.11)
Impaired memory	2.35	(1.09-5.08)	2.17	(1.04-4.53)	5.44	(1.51-19.63)
Itching/tingling of face	1.41	(0.50-4.03)	2.11	(0.69-6.45)	0.52	(0.04-6.68)
Redness on skin	1.89	(0.65-5.49)	0.59	(0.13-2.75)	0.31	(0.03-3.35)
Warmth around the ear	1.25	(0.73-2.13)	1.36	(0.73-2.50)	1.83	(0.79-4.24)

Odds ratios (ORs) and 95% confidence intervals (CIs) estimated using multiple logistic regression adjusted for gender, grade, area, and local taxes.

^aUsing their own mobile phone created with four variables: number of received calls a day plus number of outgoing calls a day and then multiplied by the average time spent per voice call and duration of mobile phone owned; ^bExcluded children who have never used mobile phone or missed information for mobile phone use variables.