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Corrigendum

Corrigendum to ‘Inferring the 1985–2014 impact of mobile phone use on selected brain cancer subtypes using Bayesian structural time series and synthetic controls’

[Environment International (2016), Volume 97, Pages 100-107]

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The author regrets that, due to a misunderstanding between the author and the data provider, the incorrect data were used for malignant glioma and glioblastoma (multiforme). As a result, the 1985-2014 trends shown in Figure 1 and results of the statistical analyses shown in Table 1 and Figure 2 are incorrect. This had no significant impact on the results of study, the interpretation of the results, or on the conclusions in the paper, which remain unchanged; *i.e.* there is no evidence of a causal association between mobile phone use and the incidence of malignant glioma and glioblastoma (multiforme). The corrected results are shown in Figures 1 and 2 and Table 1 below.

The author would like to apologise for any inconvenience caused.

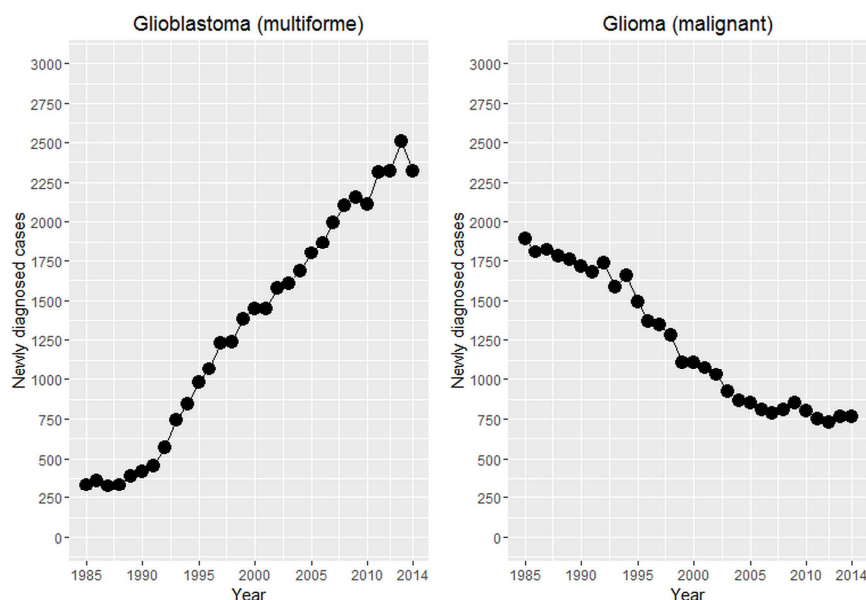


Fig.1. 1985-2014 annual number of newly registered cases of malignant glioma and glioblastoma multiforme.

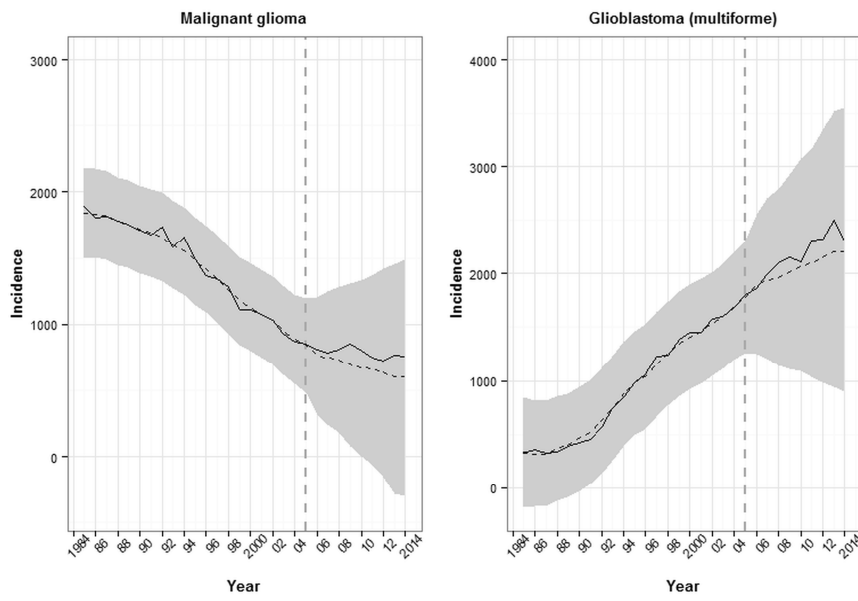


Fig. 2. Measured (solid) and modelled (dashed) incidence trends (top) for and malignant glioma and glioblastoma multiforme; implied 10-year lag. Grey areas correspond to 95% Credible Intervals.

Table 1. Inferred impact of mobile phone use (and possibly other wireless technology) on annual incidence of selected brain cancer subtypes.

Histology based	Implied lag (from 1995)	absolute average effect (95%CI)	Absolute cumulative effect (95%CI)	Relative effect (95%)	Posterior probability of effect
Malignant Glioma ^a	0 years	-387 (-1224, 313)	-7347 (-23261, 5948)	-29% (-92%, 23%)	0.14
	5 years	312 (-585, 1413)	4375 (-8187, 19780)	59% (-111%, 267%)	0.32
	10 years	102 (-448, 668)	922 (-4034, 6011)	15% (-66%, 98%)	0.36
	15 years	-10 (-465, 444)	-40 (-1859, 1775)	-1% (-61%, 58%)	0.48
Glioblastoma multiforme ^b	0 years	430 (-11042, 2323)	8179 (-19806, 44138)	31% (-76%, 170%)	0.32
	5 years	-324 (-2072, 1054)	-4540 (-29006, 14762)	-14% (-90%, 46%)	0.40
	10 years	127 (-728, 950)	1142 (-6551, 8550)	6% (-35%, 46%)	0.38
	15 years	123 (-602, 847)	490 (-2408, 3387)	6% (-27%, 38%)	0.37

^a ICD 9 site codes 191.0-191.9 (morphology codes M9380/3, M9382/3, M9400/3), ICD 10 site codes C71.0-C71.9 (morphology codes M9380/3, M9382/3, M9400/3)

^b ICD 9 site codes 191.0-191.9 (morphology codes M9440/3, M9441/3, M9442/3.), ICD 10 site codes C71.0-C71.9 (morphology codes M9440/3, M9441/3, M9442/3)

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