Table S5. Sensitivity analyses comparing the generalised additive model (GAM) with a 6 knot per year smoother (original model) with (A) ordinary linear regression model with a seasonal harmonic (sinusoidal model) and with (B) a GAM model with a 4 or 8 knot per year smoother. Results are for the average annual all-age estimated influenza-attributable respiratory hospitalisation rate per 100,000, Australia, 2001-2013 excluding 2009.

(A) GAM model and Sinusoidal model

GAM model with 6 knots/year (original model) Rate (95% CI)		Linear Regression with annual harmonic seasonal term (sinusoidal model) Rate (95% CI)	
Influenza A	Influenza B	Influenza A	Influenza B
45.4 (34.9, 55.9)	32.6 (22.8, 42.4)	40.2 (26.9, 53.5)	23.4 (11.0, 35.9)

(B) GAM models with 4 and 8 splines per year

GAM model with 4 knots/year Rate (95% CI)		GAM model with 8 knots/year Rate (95% CI)	
Influenza A	Influenza B	Influenza A	Influenza B
46.8 (35.1, 58.5)	42.9 (31.9, 53.9)	44.8 (35.1, 54.5)	29.5 (20.4, 38.5)

CI- confidence interval.