

Table S2. Estimates of seasonal variation in probability of ICU admission per influenza infection with 95% confidence intervals

Equation	Adjusted R^2	AIC Cri- terion	Root Mean Squared Error	Fitted Values
$e^{(d_0(1+d_1\cos\frac{2\pi t}{365}))}$	0.84	-218.93	4.97×10^{-5}	$d_0 = -9.4(-9.87, -8.93); d_1 = 0.28(0.20, 0.36)$
$d_2 + e^{(d_0(1+d_1\cos\frac{2\pi t}{365}))}$	0.94	-230.02	3.00×10^{-5}	$d_0 = -10.65(-11.36, -9.95); d_1 = 0.3978(0.32, 0.48); d_2 = 5.14 \times 10^{-5}$ (fixed at bound)