

Supplementary Data

Table S1: Estimation of the impact of non-pharmaceutical intervention implementation on *H. influenzae* nasopharyngeal carriage.

	Period 1		Period 2		Period 3		Period 4			
	Monthly trend, % (95% CI)	Pvalue	Monthly trend, % (95% CI)	Pvalue	Monthly trend, % (95% CI)	Pvalue	Immediate change, % (95% CI)	Pvalue	Monthly trend, % (95% CI)	Pvalue
Overall Hi carriage	0.0 (-0.3 to 0.3)	.99	0.1 (-0.3 to 0.4)	.65	0.1 (-0.9 to 1.2)	.77	-67.4 (-99.5 to -35.3)	<.001	1.9 (0.6 to 3.2)	.005
β-lactamase-producing Hi strains	-0.4 (-0.9 to 0.1)	.13	0.3 (-0.1 to 0.6)	.11	-0.3 (-0.9 to 0.3)	.35	-57.6 (-100 to 44.3)	.26	1.7 (-0.9 to 4.2)	.20
BLNAR Hi strains	0.4 (-0.3 to 1.1)	.28	-0.4 (-1.0 to 0.2)	.18	1.0 (-0.3 to 2.2)	.12	-6.7 (-100 to 91.1)	.89	0.7 (-30.7 to 32.0)	.97

Notes: estimations based on the segmental linear regression model with autoregressive error.

Period 1, November 2006 to October 2011; Period 2, November 2011 to May 2017; Period 3, June 2017 to March 2020; and Period 4, April 2020 to July 2022

Abbreviation: CI, confidence interval; Hi, *Haemophilus influenzae*; BLNAR, β-lactamase-negative, ampicillin-resistant.