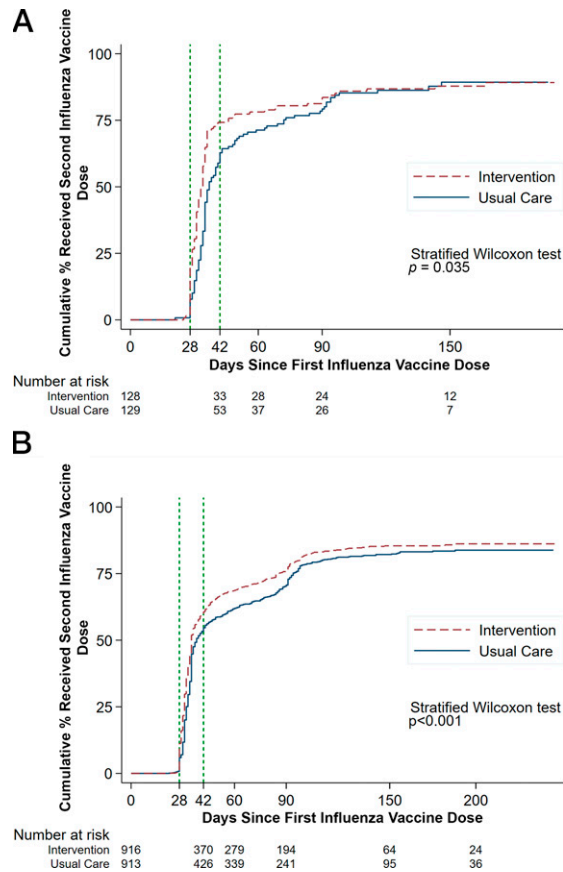


Supplemental Information



SUPPLEMENTAL FIGURE 4

Time to receipt of the second influenza vaccine dose among children who received an initial dose intervention versus usual care arm: (A) 2017 to 2018 season, (B) 2018 to 2019 season. A, 2017 to 2018 season. $N = 257$ children across 36 primary care pediatric practices. B, 2018 to 2019 Season: $N = 1829$ children across 37 primary care pediatric practices. Kaplan-Meier analyses of time from receipt of the first influenza vaccine dose to receipt of the second dose. Children in the intervention arm (text message reminders) received the second dose of influenza vaccine sooner than children in the usual care arm. The x-axis represents time in days since receipt of the first influenza vaccine dose until receipt of second influenza vaccine dose. The y-axis represents the cumulative proportion of children vaccinated. Number at risk represents the number of eligible enrolled children that had not yet received the second influenza vaccine dose and are not censored. Follow-up of each child was censored at the end of influenza vaccine season, April 30th, 2018 (day 250 on the x-axis) if the child had not yet received the second dose. Stratified Wilcoxon tests produced consistent results when performed with the start date as (1) the day of randomization and (2) the day of the first influenza vaccine dose. We report the p -value for the Wilcoxon test with the start date as the day of the first influenza vaccine dose for the purposes of clinical relevance.

SUPPLEMENTAL TABLE 4 Intervention Text Messages Content and Timeline

Series Day	Type or Reply	Intervention Messages
Day 14		Congratulations! John got his first flu shot this season. It is very important that he gets a second shot 2 weeks from today to be protected.
Day 21		John is due for second flu shot in 1 week! Reply 1, 2 or 3 for: 1 = why 2 shots, 2 = why needs second shot on time, and 3 = side effects
	Reply 1	Young children who didn't get 2 flu shots before, need 2 shots this season. For those children, experts say getting 1 shot is like getting none.
	Reply 2	It takes time for the shot to work; your child isn't protected until 2 weeks after his second shot. The flu may already be spreading in your community.
	Reply 3	Children can get fever or aches for 1 to 2 days after the shot. This is NOT the flu! The shot uses a virus that is not alive and cannot cause flu.
Day 25	Appointment	Timing matters! The flu vaccine takes 2 weeks to work. Please the keep second shot visit on or near March 8. Need appointment? Call 617-555-5555.
	Walk-In	Timing matters! The flu vaccine takes 2 weeks to work, please come to XX Peds on or near March 8, Monday through Friday 8:30am to 4:30pm.
Day 28	Appointment	Doctors recommend some children John's age get 2 shots, 1 mo apart. Come to his appointment, or if you need an appointment, call 617-555-5555.
	Walk-In	Doctors recommend some children John's age get 2 shots, 1 mo apart. Come to XX Peds Monday through Friday 8:30am to 4:30pm
Day 42		Any trouble getting second flu shot for John? Reply 1 = Yes, 2 = No. If did not get it yet, keep his appointment, or if you need an appt, call 617-555-5555.