

Let's Vaccinate

Pilot Study

STRATEGY

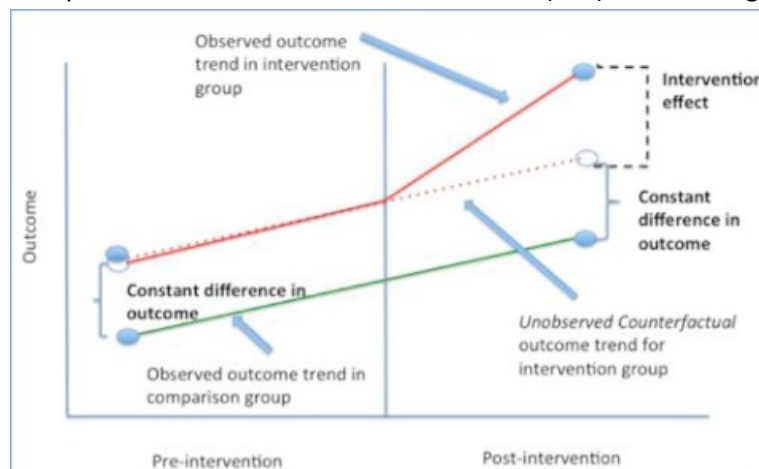
1. Provided intervention (website with turn-key resources for provider networks and community organizations that aim to increase adult flu/pneumococcal vaccination rates) to a large medical group ("Medical Group") and an immunization organization during flu season: September 15, 2017 – March 31, 2018 ("Flu Season")
2. Evaluated effects of intervention using claims data from the Anthem affiliated health plans:
 - **Control group design:** Compared flu and pneumococcal vaccine rates during Flu Season between Medical Group's experimental practice ("Medical Group A") to Medical Group's control practice ("Medical Group B")
 - **Historical control group design:**
 - Within Medical Group A, compared flu and pneumococcal vaccine rates during September 15, 2016 – March 31, 2017 to September 15, 2017 – March 31, 2018.
 - Within Medical Group B, compared flu and pneumococcal vaccine rates during September 15, 2016 – March 31, 2017 to September 15, 2017 – March 31, 2018.

PROGRAM PARTICIPANTS:

	Number Participants:	Age:			Gender:	
		<18	18-64	65+	Female	Male
Intervention	1,624	10.84%	86.15%	3.02%	51.2%	48.8%
Control	685	4.53%	86.86%	8.61%	54.0%	46.0%

RESULTS:

Comparison Model: Difference in Difference (DID) Methodology



Two Study Groups: Intervention and Comparison

Two Time Periods: Before Year and After Year

DID estimator is the difference between two before –after differences

CONCLUSIONS:

- In 2017-2018, Medical Group A only has 0.3% higher rate of service completion than Medical Group B
- Based upon the statistical evidence, it was found that the Let's Vaccinate Pilot Study has an impact on improving flu and pneumococcal vaccine gap closure rate, 3.4%(P-value=0.0218) DID of rate of service completion.