

## Quality Improvement Storyboard

---

### Partnership HealthPlan of California Adolescent Immunization Improvement Project

**Aim:** Increase the 3 recommended immunizations (1 Meningococcal, 1 Tdap, 2 HPV) received by students entering 7th grade in the 2018-2019 school year within the zip code represented by students at Anderson Middle School from the baseline rate of 10.34% by 10% (20.34%).

#### Measures:

- % of adolescents 13 years of age who had one dose of meningococcal vaccine, one tetanus, diphtheria toxoids and acellular pertussis (Tdap) vaccine, and at least two human papillomavirus vaccines (HPV) by their 13th birthday.
- % of 6<sup>th</sup> grade students who responded positively to the statement, “I feel I can talk with my parent/guardian about vaccinations.”

Plan

#### Prediction:

- In previous immunization only clinics, it was observed that youth are less involved in health decisions, and parents make most decisions including immunization coverage.
- The team predicted that by motivating youth to research immunizations, educate peers, and foster conversations with parents, they would be encouraged to engage in joint decision-making.
- Overall, the team predicted the test would increase the number of immunizations administered to this age group.

#### Changes Being Tested:

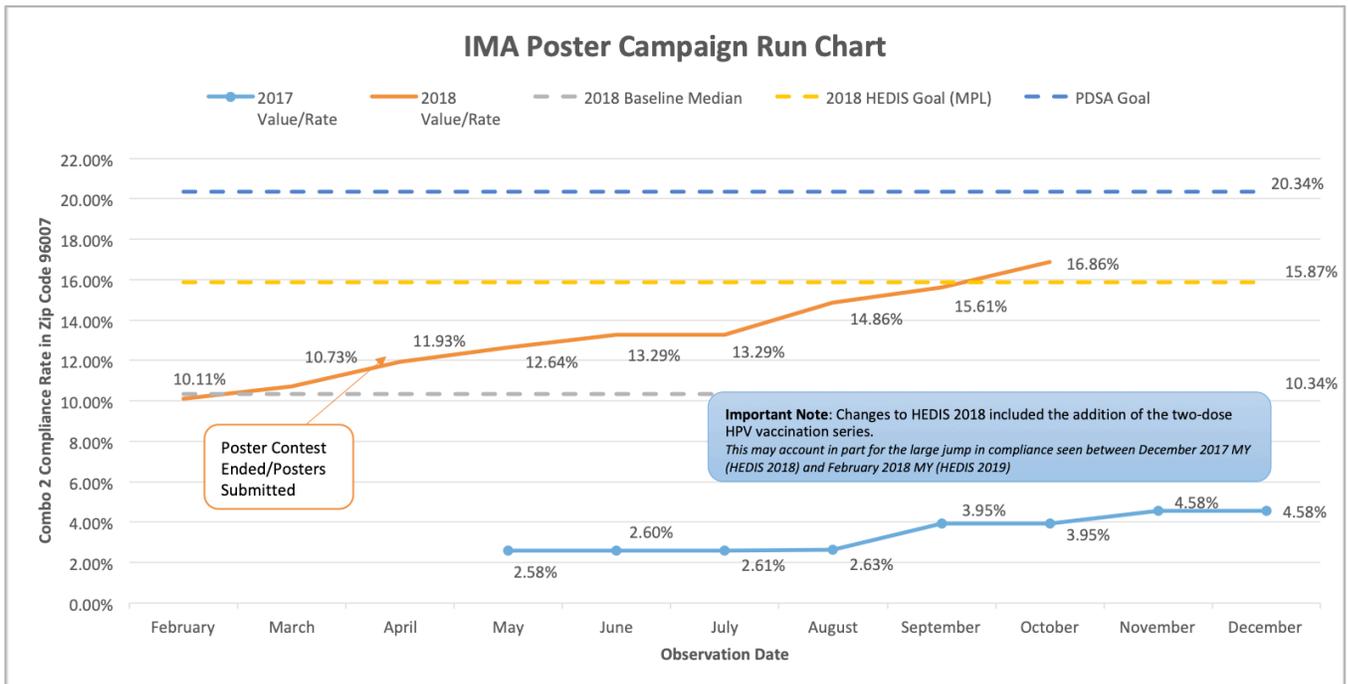
- Implemented a peer-to-peer education campaign on the importance of immunizations for 6<sup>th</sup> grade students at Anderson Middle School.
- One immunization related health lesson was provided to each 6<sup>th</sup> grade class at the Middle School.
- A poster content was conducted to solicit visual displays from students that reflected their perspectives and education messages regarding immunizations.
- Posters were displayed at the school during an Open House in May. Students, parents, teachers and school administrators voted for the contest winners.

Do

**Results:**

- The predictions were validated. A survey showed that 37% (n=22/59) of the 6th grade students felt their parents/family members opinions changed favorably for immunizations due to the campaign.
- The immunization rate rose from 10.11% at baseline (February 2018) to 16.86% in October 2018 (7 months after initial intervention).\*
- While the test did not achieve the initial target of 10% improvement, this population of students does have an immunization rate that exceeds the HEDIS Minimum Performance Level (15.83%).

Study



\* Data was gathered monthly based on the immunization rate for zip code 96007 representing 93% of Anderson Middle School 6th grade students.

**Future Plans:**

- This test assumed limited teacher involvement, however student participation in the contest appeared correlated with the teacher's advocacy of the intervention.
- There was an identified barrier of parental concern before the test took place. This was unsupported by the results of the test. There were no parental concerns voiced during the period of the intervention. During the Open House display of the posters, families appeared engaged and interested in the message of the posters.
- With the lessons learned from this test, the contest will be **adapted** and shared with other 6th grade classes and schools and will be repeated at Anderson Middle School for the incoming 6<sup>th</sup> Grade class.

Act