

California Health Improvement Project (CHIP)

Implementation of *Teach Flu a Lesson*-School-Based Vaccination Clinics

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Problem Statement and Underlying Causes

Since school-aged children are the most important vector for community transmission of influenza the objective is to reduce influenza-like illness (ILI) causing school absenteeism by offering school-located flu vaccination clinics. Flu in children is associated with an increase in secondary infections (i.e., ear infections, respiratory illnesses, etc.) potentially resulting in school absenteeism. While the medical home is the primary site of influenza vaccine administration for children, school-located vaccination clinics (SLVC's) allow the efficient immunization of larger numbers of school-aged children. Schools need assistance to achieve this objective and effective partnerships assist that goal.

Project Description

Following risk mapping to identify below average flu vaccination rates in Kaiser Permanente Southern California (KPSC) membership, we targeted specific geographic areas to decrease health disparities. The school-located vaccination clinics (SLVC's) program occurred in 92 elementary school sites, in 10 different school districts, across 3 counties (Orange, San Bernardino and Los Angeles). Nursing students, affiliated with KPSC, administered the vaccines at no cost as part of their community health rotations.

KPSC launched a similar effort in partnership with Los Angeles County-Department of Public Health (LAC-DPH) and two school districts in Los Angeles County.

Goal and Objectives

Goal: Increase the number of vaccinated children in southland elementary schools, thus creating herd immunity in a vulnerable population and closing health disparity gaps in our membership and/or communities in which we live and serve.

Outcome-Oriented Objective:

- Building on the successes of the 2014-2015 program, we plan to expand the program by creating partnerships with 182 schools in 13 different school districts in SCAL by December 2015;
- Provide a meaningful and enriching community health rotation for 200 student nurses from 9 different SCAL Nursing Programs by December 2015;
- Build an infrastructure towards emergency preparedness. Significant partnerships and infrastructure was established through this partnership that in the event of an emergency, communities will be able to use schools as a point of healthcare in an organized manner.

Outcome-oriented Objective:

- Decrease health disparities around flu vaccination.
- Impact State and KPSC flu immunization rates.

Outputs & Outcomes

Outputs Achieved

A. State of California

Created a spreadsheet for the SLVCs designed to be uploaded into the California Immunization Registry (CAIR) facilitating documentation.

B. Nursing programs

identified a lack of "hands on" community clinical rotations. The SLVC provided nursing students:

- Opportunity for administration and documentation of flu vaccines both by injection and FluMist.
- Performance of initial or secondary screening on site.
- Rapport building with a young patient population.

C. Infrastructure toward Emergency Preparedness

- Two schools/day model to encourage rapid through put and replicate a potential disaster preparedness model.
- Partnerships between 3 different counties, 10 different school districts, 92 elementary school sites building communication pathways in case of a large scale emergency.
- Two different staffing models in partnership with the Medical Reserve Corps of Los Angeles and 5 different college nursing programs.

Outcomes Achieved

- A. 7,500 students vaccinated (about 12% overall); many of these students were vaccine naïve for flu.
- B. Population estimated to be 75-80% Medi-Cal eligible (conservatively).
- C. Materials translated into Spanish, Korean and Vietnamese.
- D. Addressing Health Disparities



Lessons Learned

Need Multiple Vaccine for Children (VFC) Depots to streamline vaccine storage for efficient distribution.

Need to Start Memo of Understanding (MOU) process earlier and start SLVC's earlier in the fall to ready schools.

Expand partnerships between nursing programs and school districts.

Formalize student nurse training and certification for vaccine administration.



About My Organization

With diversity as its dominant characteristic, more than 61,000 Kaiser Permanente Southern California (KPSC) employees and staff, and more than 6,000 Southern California Permanente Medical Group physicians provide health care services to more than 4 million members at the Southern California Region's 14 medical centers and 209 medical offices. Kaiser Permanente provides affordable, high-quality health care services to improve the health of all members, the communities we serve. To fulfill this mission, Kaiser Permanente extends its inclusive clinical care and total health focus through extensive medical and health services research programs and generous Community Benefit funding and services aimed at providing health care for vulnerable populations in the areas we serve by addressing the diverse health needs and priorities identified through local needs assessments that affect overall community health and the health care system.

Contact Me

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