

Background

- ◆ PD one of the leading causes of mortality and hospitalizations.
- ◆ Highest incidence of invasive PD occurs in adults 65 years or older, children less than 2 years of age and those with certain underlying conditions.
- ◆ The incidence of invasive pneumococcal disease in individuals ≥65 years of age was 36.4 cases per 100,000 population.
- ◆ The estimated cost of PD among those 65 and older was \$3.8 billion in 2013

Significance

- ◆ Healthy People 2020: reduce the number of invasive PD among adults 65 years or older.
- ◆ ACIP recommends routine use **PCV13** followed by **PPSV23** in 6-12 months among adults aged ≥65 years.
- ◆ The overall incidence declined from 59 cases per 100,000 in 1998 to 23 cases per 100,000 in 2015.

Clinical Problem

- ◆ Percent of adults 65 years and over who had ever received a pneumococcal vaccination is only **61.3%**.
- ◆ Non-institutionalized adults 65 years of age or older= **56%**
- ◆ Other high-risk groups= **20%**

Purpose/Aim

Increase pneumococcal vaccination rate among adults 65 years or older by implementing standing order protocol in a primary care clinic.

Literature Review

- ◆ Barriers to vaccination
 - ◆ Patient's characteristics, provider's belief and the structure of the organization.
- ◆ Vaccine interventions
 - ◆ Recommendation from provider, electronic reminder system, standing order protocols.

Pneumonia Shots: Get the Facts!

1. "If people around me aren't sick, I won't get pneumonia." **False!**
People can carry pneumonia even if they are not sick. If you are around other people, you can get pneumonia!
2. "Getting a shot gives you the disease." **False!**
The shot has only inactive bacteria in it. A shot can't give you the disease.
3. "Shots hurt and make you sick." **False!**
You will feel a pinch. You might feel sore or a little achy and feverish later. Most people have no reaction at all.



More Resources

For more information about the pneumonia vaccines, visit these resources:

DDS SafetyNet Packet and Brochures:
<http://ddsafety.net/health/preventive-health/fighting-flu-and-pneumonia>

Centers for Disease Control and Prevention:
<http://www.cdc.gov/pneumococcal/vaccination.html>

Protect the people you support and love—make sure they get their pneumonia shots today!

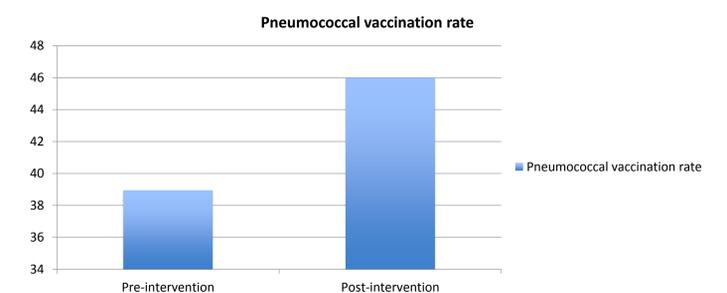
Fight Pneumonia!

Get Your Shots TODAY!



CALIFORNIA DEPARTMENT OF DEVELOPMENTAL SERVICES
DDS SafetyNet
For Health, Safety, and a Better Life

Results



	Patients seen	Vaccine given
April 1 st -August 14	95	37
August 15 th -December 30 th	104	49

95% confidence interval for the odds ratio was (.41, 1.3)

Limitations

Not actual representation, different demographics of pre and post intervention sample, seasonal increase, staffing issues, lack of easily accessible electronic reminder system.

Discussion

- ◆ The result of this study was not statistically significant.
- ◆ Future attempts at implementing a standing order protocol should include proper education and training to employees including receptionist, weekly assessment of the intervention, and electronic reminder system to both nurses and the doctors.
- ◆ Incorporating standing order protocol information during new hire education and training might be beneficial.

Methods

Setting: Sancta Familia Medical Apostolate (Omaha, NE)

Participants: Adults 65 years or older

Adult 65 years or older → Handout brochure → Nurses check vaccination status → Give vaccine if appropriate following standing order protocol → chart accordingly.