



Pneumococcal Vaccination in Veterans with Rheumatic Diseases

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Background

- Patients with rheumatic diseases are at increased risk of invasive pneumococcal disease
- Both pneumococcal conjugate vaccine (PCV13) and pneumococcal polysaccharide vaccine (PPSV23) are recommended in the setting of immunosuppressant use
- However, under-vaccination is common

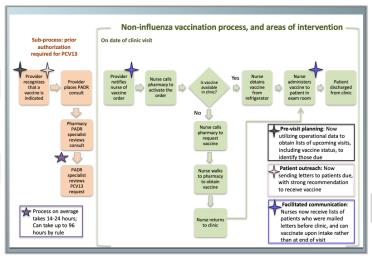
Aims

 Increase the rate of complete pneumococcal vaccination coverage in TVHS Rheumatology clinic (i.e. decrease the % of patients due for vaccine in a given month by 15% in 6 months)

Methods

- Analysis of a random sample of completed visits in TVHS Rheumatology clinic showed that ~35% of patients are indicated to receive one of the two vaccines
- · Few of those due are vaccinated during their clinic visit
- Barriers were identified and an intervention was designed incorporating patient outreach, provider outreach, and health system components

Process map and summary of intervention



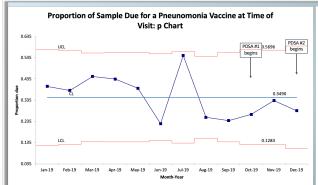
Summary of PDSA cycles

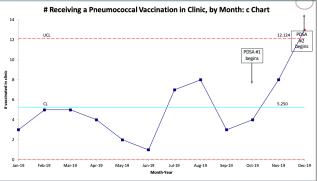
PDSA cycle #	Summary	Lessons/Next Steps
1	Intervention was deployed to a limited number of patients in a single provider's TVHS clinic	Vhursing staff appreciated a) having a list of patients due and b) not having to call pharmacy to activate the vaccine order. Xconcerns included staffing shortages, and incorporating vaccination into the busiest clinic day of the week
2	to all eligible patients in a	XThe timing of pulling operational data to identify upcoming clinic visits had to be adjusted; pulling too far in advance led to inaccuracy as some appointment dates were changed or cancelled
	reminder card provided to patients that she checked in	√Idea is to prompt discussion between patients and providers. XNot all nursing staff have adopted use of the card at this point.
3	Intervention being deployed in 3 of 10 providers' clinics	Gradual rollout planned, adding two providers' patients per month

Discussion & Lessons Learned

- Administrative barriers can be one of several factors contributing to insufficient vaccination rates
- Increased patient and provider outreach combined with a streamlined vaccination process led to increased vaccination rates in the TVHS Rheumatology clinic
- Next steps include development of an educational intervention for providers regarding the pneumococcal vaccination schedule for immunocompetent versus immunocompromised patients

Results





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