



13-valent pneumococcal conjugate vaccine utilization in the primary care setting

Mary Lomberg, PharmD; Deanna Rattray, PharmD, BCPS; Rebecca Bean, PharmD
Novant Health population health and value-based care, Winston Salem, North Carolina

Background

In September of 2014, the Centers for Disease Control and Prevention (CDC) began recommending a one-time dose of 13-valent pneumococcal conjugate vaccine (PCV13), Prevnar 13®, for adults 65 years and older. A detailed immunization schedule also exists for PCV13 in adults aged ≥ 65 based on previous pneumococcal vaccinations that may complicate adherence.

Study objective

To assess the utilization and adherence of PCV13 vaccine in adults ≥ 65 years old in three clinics in accordance with updated CDC recommendations for PCV13 immunization.

Methods

Retrospective chart review to evaluate patients aged ≥ 65 who qualify for and receive the recommended PCV13 vaccination among three sample outpatient clinics within Novant Health’s medical group in greater Winston Salem, NC area

Inclusion criteria

- Adults ≥ 65 years old
- Seen by Novant Health primary care provider
- Seen for a Medicare annual wellness visit in February 2015

Exclusion criteria

- Patient deceased upon chart review

Descriptive statistics were used for all analyses

Results

Primary outcome measures:

1) Percentage of patients receiving prescriptions for PCV13

- 30% of 150 patients in three sample clinics surveyed between February 2015 and January 2016 received prescriptions for PCV13 vaccination (%PCV13 Rx)

2) Percentage of patients with documented administration of PCV13 vaccine

- 21% of 150 patients in three sample clinics surveyed between February 2015 and January 2016 had documented administration of PCV13 vaccination (%PCV13 Admin Record)

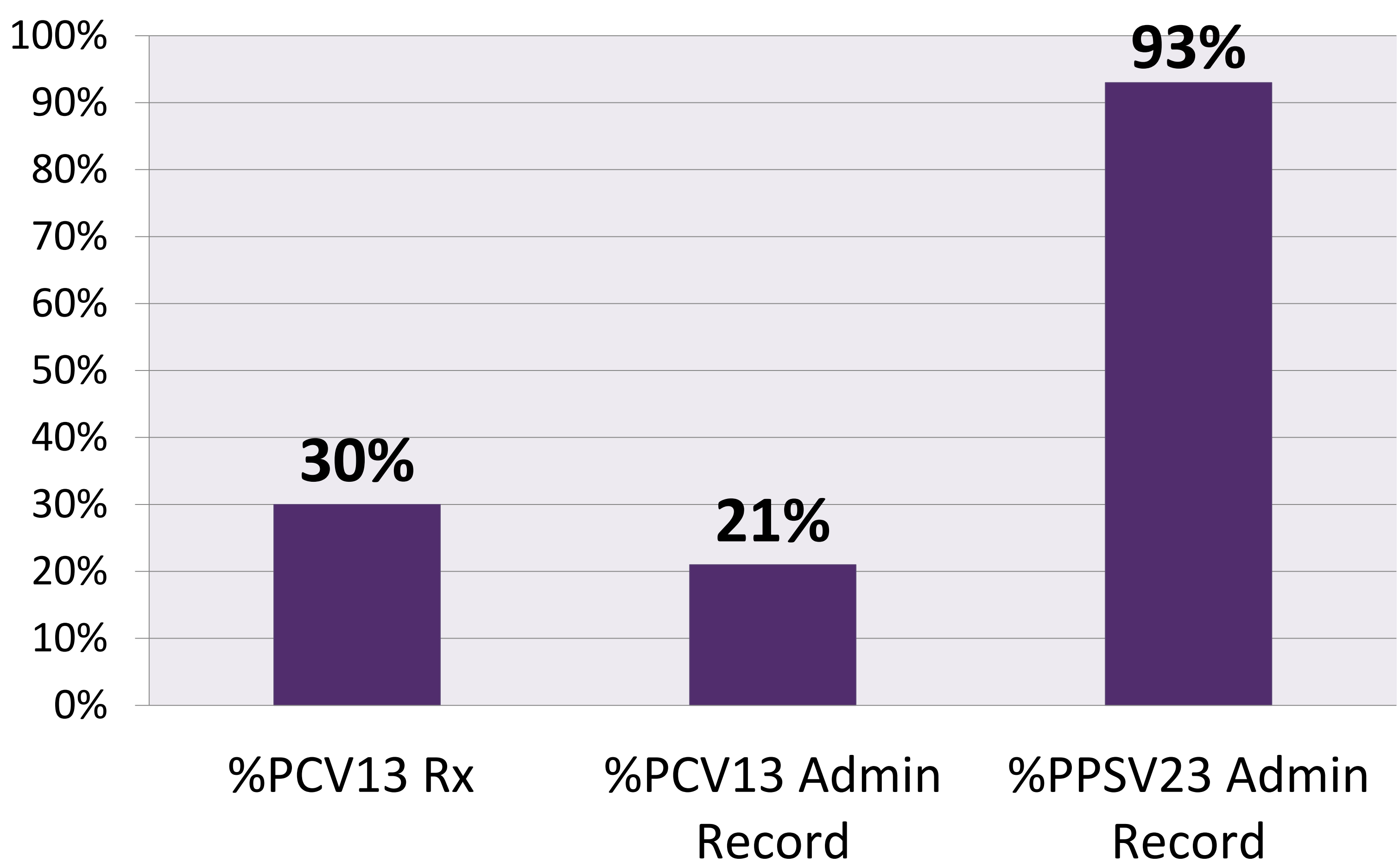
Secondary outcome measures:

1) Percentage of patients with documented administration of PPSV23

- 93% of 150 patients in three sample clinics surveyed between February 2015 and January 2016 had documented administration of PPSV23 vaccination (%PPSV23 Admin Record)

2) Adherence to CDC-recommended pneumococcal immunization schedule

- Outcome: All vaccines spaced appropriately in all three clinics



Disclosure statement

Authors of this presentation have the following to disclose concerning possible financial or personal relationships with commercial entities that may have a direct or indirect interest in the subject matter of this presentation:

- All authors are employees on Novant Health

Discussion

- Among the three outpatient clinics sampled, there is a discrepancy with documentation habits for PCV13 prescribing and administration during the sample period reviewed (February 2015 – January 2016).
- There were more prescriptions written for PCV13 vaccination compared to documented administration. This is possibly due to patients receiving the immunization outside of the clinic, i.e. a local community pharmacy, and communication and documentation may be disrupted.
- A trend of increasing percentage of prescriptions written for PCV13 was seen as 2015 progressed and after a best practice alert was implemented suggesting better awareness of the new CDC recommendations. *Data not shown.*

Conclusions

- Prevnar 13® immunization recommendations are increasing since newly published CDC guidance in the elderly in 2014.
- One area of opportunity for Novant Health is offering immunization services at the health system’s retail pharmacies for added patient convenience and potentially increased adherence to immunization recommendations and documentation of services.