

# Utilizing Population Health Outcomes Data to Increase Adult Pneumococcal Immunization Rates

*Pfizer Final Report*

*Submitted by:*

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*August 10, 2015*

*In collaboration with*

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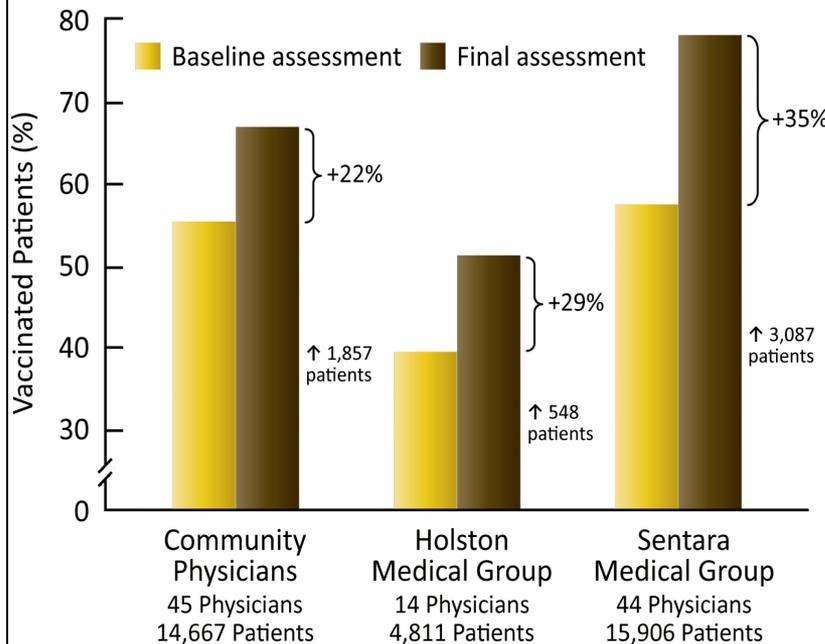
*AMGA*

# Aim and Goals

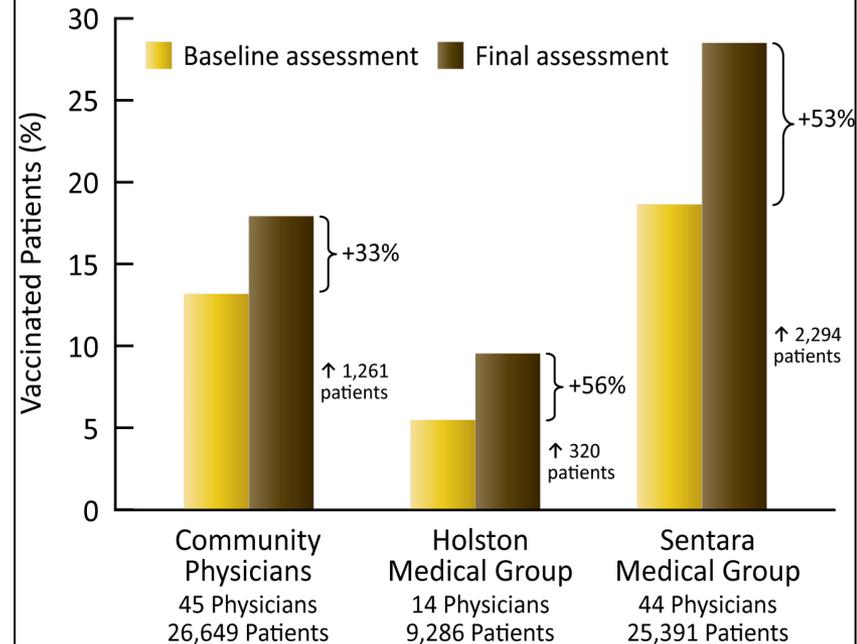
- ❖ The aim of this PI-CME activity was to improve clinical outcomes and address barriers related to pneumococcal vaccination.
- ❖ Goals:
  - ❖ Increase the percent of eligible patients,  $\leq 65$  who have received a pneumococcal vaccination within the time period of the project.
  - ❖ Increase the percentage of people, ages 19 to 64, who have chronic illness or at high risk for infection, including chronic cardiac, pulmonary, liver disease, or diabetes.

# Outcomes

**Increase in Pneumococcal Vaccination Rates in Patients ≥ 65 Years of Age / CME + CPD**



**Increase in Pneumococcal Vaccination Rates in High-Risk Patients / CME + CPD**



# Impact on Number of Patients Vaccinated

| Patient group | Number physicians | Finished CME? | Number of eligible patients | Number vaccinated at baseline assessment | Number vaccinated at final assessment | Change from baseline in number of patients vaccinated |
|---------------|-------------------|---------------|-----------------------------|--|---------------------------------------|---|
| Elderly       | 103               | Yes           | 35,384                      | 20,853                                   | 26,345                                | + 5,492 (+ 26.3%)                                     |
|               | 217               | No            | 70,098                      | 43,362                                   | 52,630                                | + 9,268 (+ 21.4%)                                     |
| <b>Total</b>  | <b>320</b>        | <b>–</b>      | <b>105,482</b>              | <b>64,215</b>                            | <b>78,975</b>                         | <b>+ 14,760 (+ 23.0%)</b>                             |
| High-risk     | 103               | Yes           | 61,326                      | 8,786                                    | 12,661                                | + 3,875 (+ 44.1%)                                     |
|               | 217               | No            | 101,349                     | 14,576                                   | 19,645                                | + 5,069 (+ 34.8%)                                     |
| <b>Total</b>  | <b>320</b>        | <b>–</b>      | <b>162,675</b>              | <b>23,362</b>                            | <b>32,306</b>                         | <b>+ 8,944 (+ 38.3%)</b>                              |

# Conclusions

- **Nearly a third (103/316) of the primary care physicians** who participated in this program completed the PI CME educational activities offered and received *20 AMA PRA Credits™*.
- **The program was successful in driving up pneumococcal vaccination rates:** a total of 14,760 elderly patients and 8,944 patients at high risk of pneumococcal infection in just three medical groups were vaccinated post baseline over its two-year course.
- **Access to the Clinical Performance Dashboard alone** improved pneumococcal vaccination rates by 20% to 42%.
- **In addition, finishing the CME program worked even better,** improving pneumococcal vaccination rates by 22% to 53%, especially in vaccinating younger patients at high risk.
- **The program achieved both Moore's Level 5 (Performance) and Level 6 (Patient Health Status).**