

AAFP Adult Immunization Office Champions Project

September 2015-September 2019



AMERICAN ACADEMY OF
FAMILY PHYSICIANS

Adult Immunization Office Champions Project Overview

- 25 family medicine practices and residencies were selected to participate into the project
- Focus on increasing immunization rates for influenza, zoster, and pneumococcal
- Improving the use of provider's strong recommendation to adults patients
- Ensuring immunization assessment and documentation in patients medical records
- Increasing adult immunization data submissions to the state and local Immunization Information Systems (IIS)
- Implementing evidence-based practices to improve adult immunization coverage
- Improving collaboration and data exchanges among other adult immunization providers

States In Project



Practice Information Survey

AMERICAN ACADEMY OF FAMILY PHYSICIANS

AAFP Adult Immunization Practice Information Survey

1. On a scale from 1 (never) to 10 (always), rate how often a family physician in your practice gives a "Strong Recommendation" to an adult patient for vaccines.

NEVER ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ALWAYS ☐ 10

2. Do you currently use any of the following immunization resources in your practice for adults? (Please check YES, NO, or DON'T KNOW for each question.)

U.S. recommendation immunization schedules? (e.g., paper copies, immunizations apps, etc.)	<input type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> DON'T KNOW
Immunization posters?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Standing orders? (which allow non-physician clinical personnel to administer immunizations to patients using specific criteria, without direct physician involvement at the time of the visit)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. Do you currently provide any of the following resources to adult patients who have questions or concerns about vaccine safety or who want more vaccine information? (Please check YES, NO, or DON'T KNOW for each question.)

Adult immunization information, Vaccine Information Statements (VIS)	<input type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> DON'T KNOW
Immunization pamphlets?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Immunization website? (CDC, FamilyDoctor.org, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. Are nursing and clinical staff members trained to know how to determine valid contraindications to vaccines?

☐ Yes ☐ No ☐ Don't know

5. Does your electronic health record (EHR) have the capacity to do any of the following? (Please check YES, NO, or DON'T KNOW for each question.)

Record and display a patient's immunization status?	<input type="radio"/> YES	<input type="radio"/> NO	<input type="radio"/> DON'T KNOW
Report an immunization record for a patient?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Actively remind provider about immunizations due?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provide a field for notes, such as patient's plan?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Remind you to check and/or enter into the Immunization Information System?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Prior to patient visits, does someone in your practice review the immunization record for each patient and flag those who are due or overdue (provider reminders)?

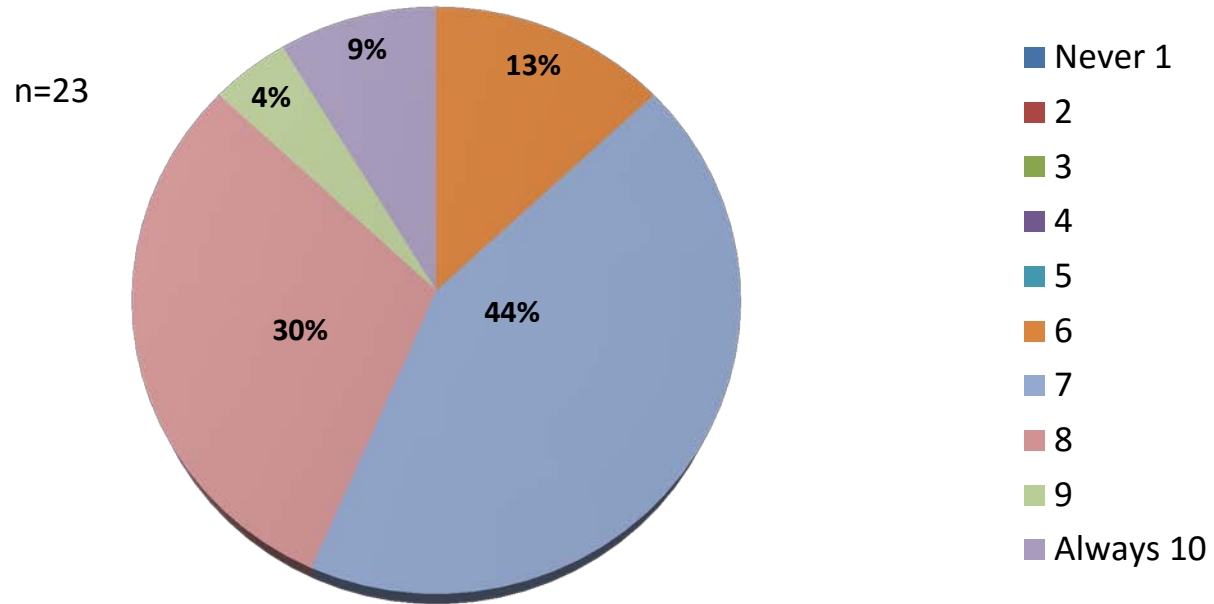
☐ Yes ☐ No ☐ Don't know

CONTINUED

- A practice information survey was conducted by the selected practices (15 questions)
- The survey was completed at the beginning of the project:
 - Rating on providing a "Strong Recommendation"
 - Patient reminder provided in practice
 - Review of patient immunization record prior to visit
- The survey will be completed again at the end of the project
- 23 of the 25 practices completed the survey

Practice Information Survey

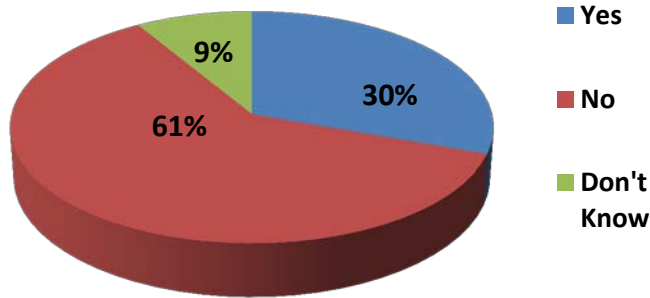
How often a family physician in your practice gives a "Strong Recommendation"?



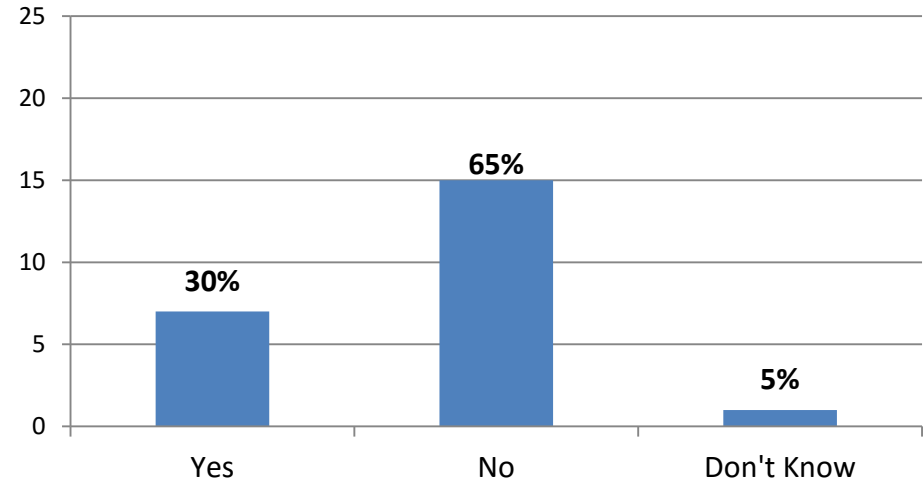
Practice Information Survey

n=23

Prior to patient visit, does someone in your practice review the immunization record for each patient and flag those who are due or overdue (provider reminders)?



Does your practice provide reminders to adult patients to get vaccines (patient reminders)?



Adult Immunization Office Champions Project Conference (June 11-12, 2016)



Adult Immunization Office Champions Project Conference (June 11-12, 2016)



Break-out Sessions Topics

- Communication between practices and outside immunizers (pharmacies, etc.)
- Follow-up/compliance on referrals
- Financial/cost concerns (money & time)
- Cost
- Standing orders, workflow
- Education (provider & patient)
- Interface between EMRs & IISs
- Pharmacies/outside groups not using IISs
- Training new staff

Data Collection (Baseline)

**AAFP ADULT IMMUNIZATION OFFICE CHAMPIONS PROJECT
DATA COLLECTION FORM**

What is the patient's race/ethnicity? ☐ White ☐ Black ☐ Hispanic ☐ Asian ☐ Other ☐ Unknown

What is the patient's gender? ☐ Male ☐ Female

ANSWER RECOMMENDED INFLUENZA VACCINE QUESTIONS FOR ALL PATIENTS 19 YEARS AND OLDER

INFLUENZA: (Annual one dose Influenza Vaccination during the flu season) Recommended for All Adults Patients 19 years and older

NUMERATOR: All Adults Patients 19 years and older included in the denominator who have received influenza vaccine for the 2015-2016 flu season.

DENOMINATOR: All adult patients 19 years and older who had been seen in your practice at least twice during the past measurement year (March 31, 2015-March 30, 2016).

VACCINE STATUS INSTRUCTIONS: If patients are up to date on their vaccine answer where the vaccine was, "GIVEN." If patients were not up to date, answer why the vaccine was "NOT GIVEN."

1. Was the Influenza vaccine administered during the 2015-16 season? ☐ Yes (Answer: A.) ☐ NO (Answer: B.) ☐ Unknown (Skip to question #2.)

A. GIVEN: Please answer where vaccine was given (Check the answer that applies to the patient)	
Was the vaccine administered in your practice?	Yes (1) No (2)
Was the patient already vaccinated outside your practice as noted in EHR AND/OR State IIS?	Yes (1) No (2)
B. NOT GIVEN: Please answer based on the medical record of why the vaccine was not given (Check the answer that applies to the patient)	
Was patient referred elsewhere by practice?	Yes (1) No (2)
Did patient have medical contraindications (As listed on the Adult Immunization Schedule)?	Yes (1) No (2)
Did the patient plan to return to practice?	Yes (1) No (2)
Was there a vaccine shortage and/or was the vaccine not available in practice?	Yes (1) No (2)
Was the vaccine not given because the status was not documented?	Yes (1) No (2)
Did patient refuse vaccine? (Please select reason for refusal from list below)	
No reason was given	Yes (1) No (2)
Patient doesn't like shots	Yes (1) No (2)
Patient was afraid they will get the flu	Yes (1) No (2)
Patient had illness or injury	Yes (1) No (2)
Patient had religious beliefs against vaccine(s)	Yes (1) No (2)
Patient had personal beliefs against vaccine(s)	Yes (1) No (2)
Other Factors: (Please write your answers)	
Did the patient plan to get the vaccine elsewhere? (Please select where from the list below)	
No vaccination location was given	Yes (1) No (2)
Patient plans to get vaccine at work	Yes (1) No (2)
Patient plans to get vaccine at pharmacy	Yes (1) No (2)
Patient plans to get vaccine at health department	Yes (1) No (2)
Other Location: (Please enter answers)	

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Revised: June 13, 2016

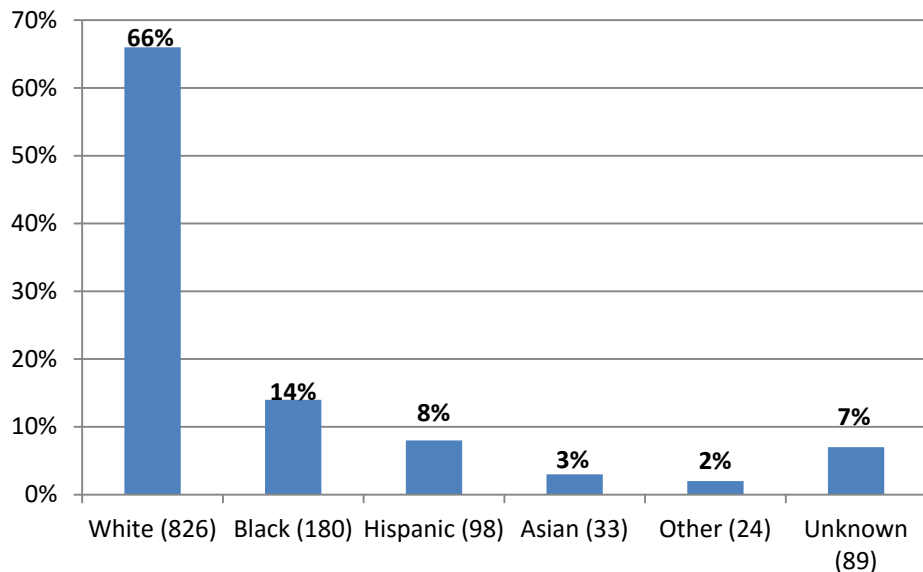
- Pre-Intervention (baseline) criteria:
 - 50 randomly selected adult patient medical records.
 - All adult patients 19 years and older
 - All adult patients 19 years and older who had been seen in your practice at **least twice during the past measurement year (March 31, 2015-March 30, 2016).**
 - Influenza vaccine administered during the 2015-16 season
 - Zoster vaccine administered to adult patients 61 years and older
 - PCV13 vaccine administered to adult patients 66 years and older
 - PPSV23 vaccine administered to adult patients 66 years and older

Data Collection (Baseline)

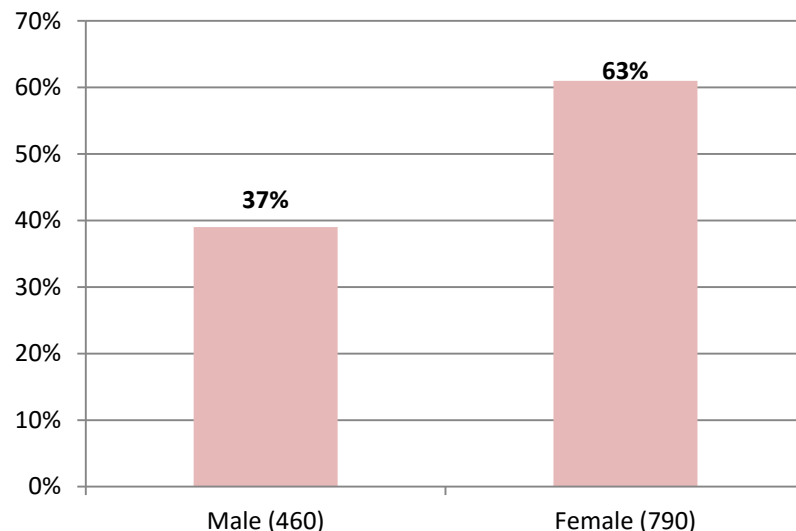
Preliminary Aggregate Results

N=1250

Race/Ethnicity



Gender

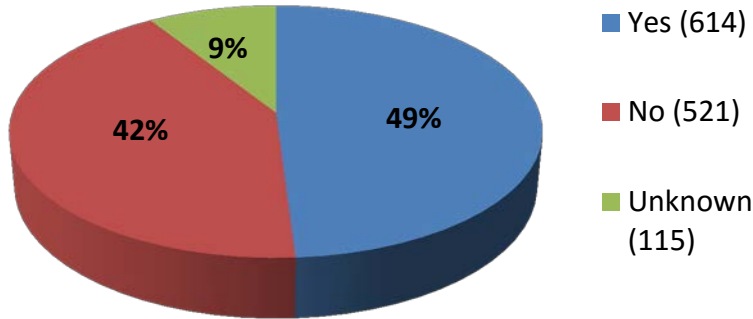


Data Collection (Baseline)

Preliminary Aggregate Results

N=1250

Influenza Vaccine Administered



Influenza Vaccine Administered Race/Ethnicity

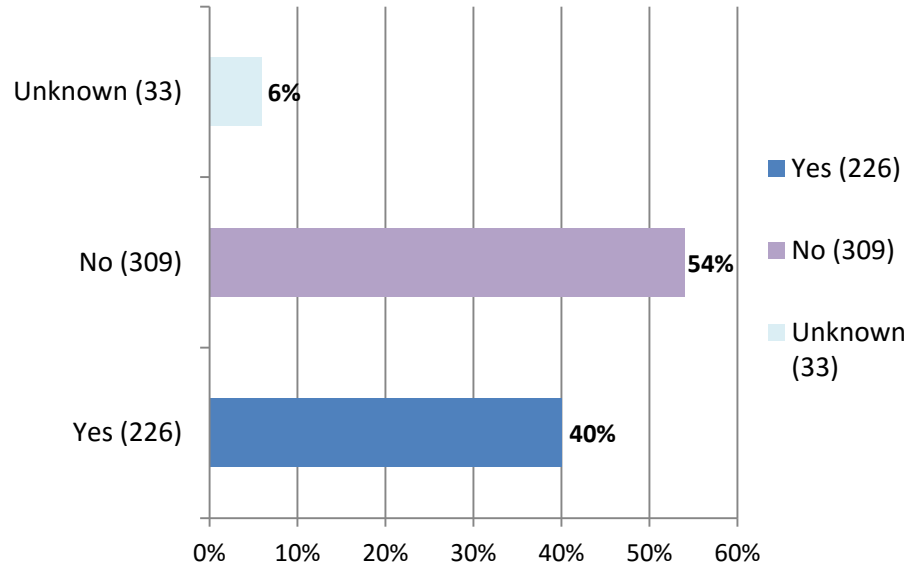
- 419 **White patients** out of a sample of 826 **White patients** received the influenza vaccine (**51%**).
- 73 **Black patients** out of a sample of 180 **Black patients** received the influenza vaccine (**41%**).
- 50 **Hispanic patients** out of a sample of 98 **Hispanic patients** received the influenza vaccine (**51%**).
- 19 **Asian patients** out of a sample of 33 **Asian patients** received the influenza vaccine (**58%**).
- 9 patients **classified as Other** out of a sample of 24 patients **classified as Other** received the influenza vaccine (**38%**).
- 44 patients **classified as Unknown** out of a sample of 89 patients **classified as Unknown** received the influenza vaccine (**49%**).

Data Collection (Baseline)

Preliminary Aggregate Results

N=568

Zoster Vaccine Administered



Zoster Vaccine Administered Race/Ethnicity

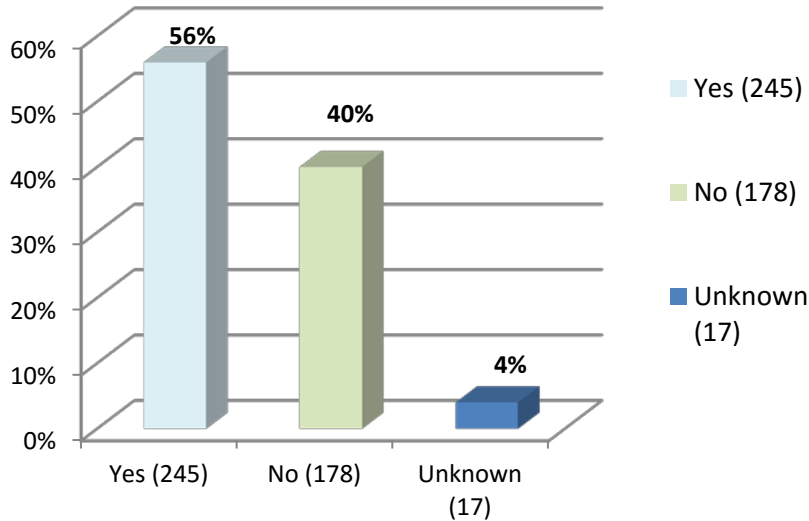
- 181 **White patients** out of a sample of 381 **White patients** received the zoster vaccine (**48%**).
- 18 **Black patients** out of a sample of 71 **Black patients** received the zoster vaccine (**23%**).
- 12 **Hispanic patients** out of a sample of 36 **Hispanic patients** received the zoster vaccine (**36%**).
- 4 **Asian patients** out of a sample of 8 **Asian patients** received the zoster vaccine (**50%**).
- 0 **patients classified as Other** out of a sample of 12 **patients classified as Other** received the zoster vaccine (**0%**).
- 11 **patients classified as Unknown** out of a sample of 60 **patients classified as Unknown** received the zoster vaccine (**18%**).

Data Collection (Baseline)

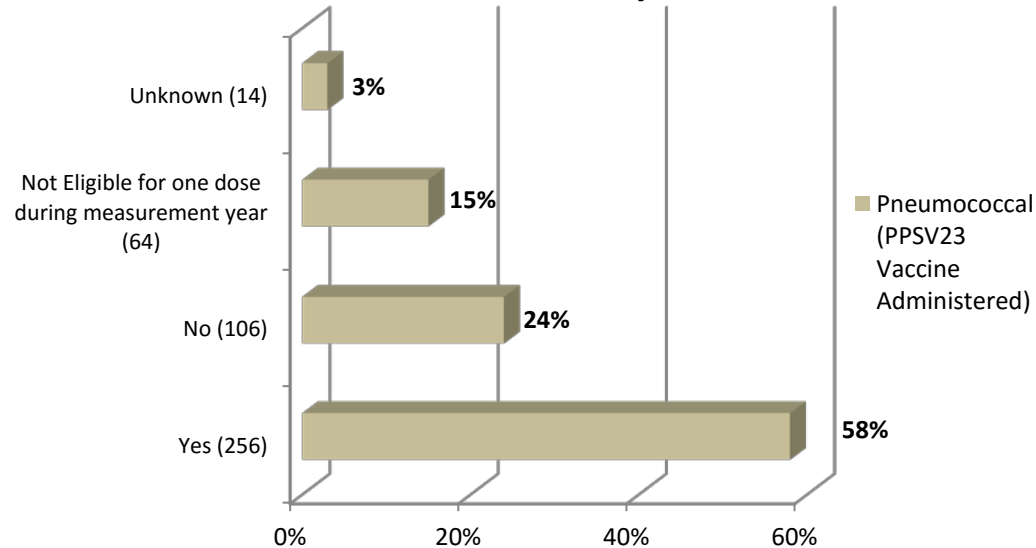
Preliminary Aggregate Results

N=440


Pneumococcal (PCV13) Administered



Pneumococcal (PPSV23 Vaccine Administered)



Implementation of Action Plan

 **AMERICAN ACADEMY OF FAMILY PHYSICIANS**

AAFP Adult Immunization Project Planning Form

TEAM _____ **Project:** AAFP Adult Immunization Office Champions Project

Physician Champion: _____ Office Champion: _____

PATIENT POPULATION	MEASURE	GOALS - DATE: August 31, 2020 (Entered after completion of baseline data collection)	FINAL PROJECT GOALS - DATE: Dec 31, 2020 (Entered after 2nd measurement results)
1. All adult patients 19 years of age and older	Percentage of patients 19 years of age and older who received the influenza vaccine for the influenza season	90% GOAL	90% FINAL GOAL
2. All adult patients 61 years of age and older	Percentage of patients 61 years of age and older who have received a single dose of the zoster vaccine	90% GOAL	90% FINAL GOAL
3. All adult patients 66 years of age and older	Percentage of patients 66 years of age and older who have received one dose of PPSV23	90% GOAL	90% FINAL GOAL
4. All adult patients 66 years of age and older	Percentage of patients 66 years of age and older who have received one dose of PPSV23	90% GOAL	90% FINAL GOAL

Assess your practice immunization process. Download the practice assessment, and check and date when completed. ☐ Completed Date: _____

COLLECT AND ASSESS THE MEDICAL RECORDS DATA

PATIENT POPULATION (RANDOM SAMPLE) MEASUREMENT RESULTS	Baseline Measure Results (percentage of all 19 patients) Due Aug. 31, 2020	Observation From Baseline Data Due Aug. 31, 2020	Re-Measure Results (percentage of all 19 patients) Due Oct. 31, 2020
Percentage of patients 19 years of age and older who received the influenza vaccine for the influenza season.			
Percentage of patients 61 years of age and older who have received a single dose of the zoster vaccine			
Percentage of patients 66 years of age and older who have received one dose of PPSV23			
Percentage of patients 66 years of age and older who have received one dose of PPSV23			

PROJECT PLANNING FORM, CONTINUED

INTERVENTIONS	Plan Interventions	Personnel	Timeline
	Identify the intervention you practice and implement from the list below:	Physicians/Committee or Liaison Contacted	1 - Init. 2 - Eval. 3 - Implement 4 - Spread
INFLUENZA Vaccinate all patients 19 years of age and older who have not received the influenza vaccine for the influenza season. 1. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 2. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 3. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 4. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 5. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 6. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 7. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 8. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 9. Develop and implement a plan to increase the number of patients who receive the influenza vaccine. 10. Develop and implement a plan to increase the number of patients who receive the influenza vaccine.	Physician Committee	Init. Eval. Implement Spread	
ZOSTER Vaccinate all patients 61 years of age and older who have not received a single dose of the zoster vaccine. 1. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 2. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 3. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 4. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 5. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 6. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 7. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 8. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 9. Develop and implement a plan to increase the number of patients who receive the zoster vaccine. 10. Develop and implement a plan to increase the number of patients who receive the zoster vaccine.	Physician Committee	Init. Eval. Implement Spread	
PNEUMOCOCCAL Vaccinate all patients 66 years of age and older who have not received one dose of PPSV23. 1. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 2. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 3. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 4. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 5. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 6. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 7. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 8. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 9. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 10. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine.	Physician Committee	Init. Eval. Implement Spread	
PNEUMOCOCCAL Vaccinate all patients 66 years of age and older who have not received one dose of PPSV23. 1. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 2. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 3. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 4. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 5. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 6. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 7. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 8. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 9. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine. 10. Develop and implement a plan to increase the number of patients who receive the pneumococcal vaccine.	Physician Committee	Init. Eval. Implement Spread	

- A project plan has been developed by the practices
- Evidence-based interventions:
 - Assess
 - Recommend
 - Administer or refer
 - Documentation
- Constructed from the Standards from the Adult Immunization Practice
- Community Preventive Services Task Force

QUESTIONS

