

Addressing Educational and Coordination Barriers for Adult Pneumococcal Disease Prevention in Rhode Island



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COMMUNITY PHARMACY & AM. CARE

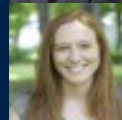
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Overarching Goal:

“To provide adult pneumococcal immunization education, and coordinate vaccination efforts among Health Care Professionals”

“To improve the pneumococcal vaccination rate and subsequently, decrease the burden of pneumococcal disease in Rhode Island's adult population”

Impact to Rhode Island




Education:

- As of December 2015 our academic detailers have visited 121 out of 177 pharmacies in the state of RI.
- We have attended 27 public health events impacting an estimated 6,047 Rhode Islanders.
- We have distributed our materials to 6 out of 12 RI hospitals.
- The URI College of Pharmacy Outreach Program has distributed our materials at 89 public health events, impacting approximately 3,368 seniors in RI.
- We have redesigned all of our educational materials to reflect the updated ACIP adult pneumococcal vaccination recommendations. (September 2015)


Coordination and Communication

- We designed a vaccination wallet card to help improve coordination of care. Our wallet card sleeve and patient handout have been translated into 5 different languages.
- We developed a 30 second PSA about pneumococcal vaccination which aired 227 times on 6 radio stations throughout RI to an estimated audience of 368,895.





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Visit vaccines.gov for more information.

Vaccines Work

Vaccinations are for all generations.

Name

Date of Birth

Home Phone

Cell Phone

Emergency Contact Name

Emergency Contact Phone

Insurance Name

Insurance Phone


Pharmacy

Pharmacy Phone


Medical Insurance

Medical Insurance #

Please carry this with you and show to your health care professional.



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Basic Info

Blood Type Primary Language

Allergies Reaction

Allergies Reaction

Allergies Reaction

Allergies Reaction

Check All That Apply

Asthma
 Cancer
 Cerebrospinal Fluid Leak / Cochlear Implant

Diabetes
 Epilepsy
 Glaucoma
 Heart Disease / High Blood Pressure

HIV/AIDS
 Liver / Kidney Disease
 Lung Disease
 Organ Transplant
 Smoker

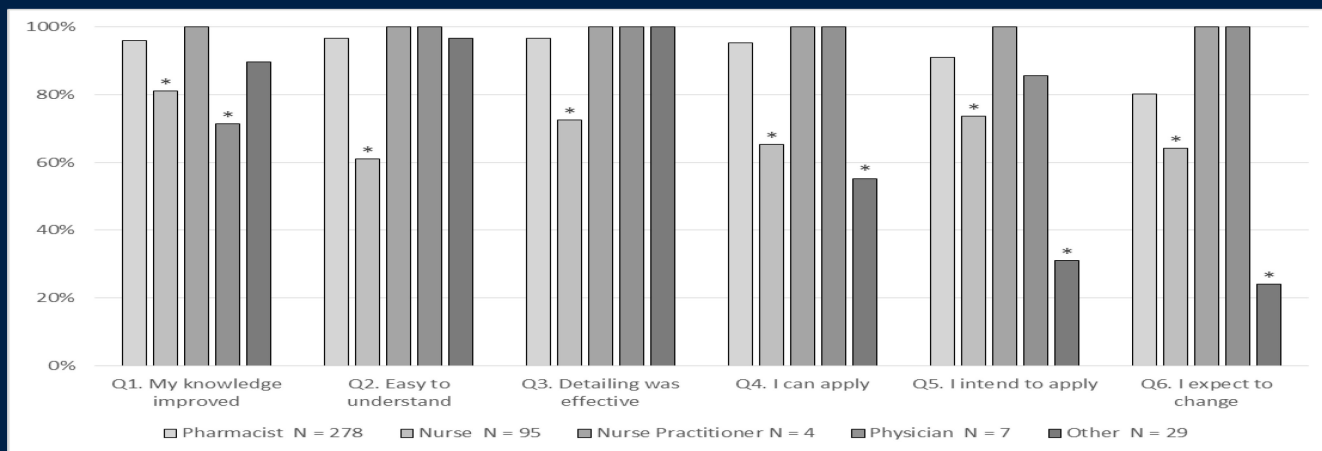
Vaccine	Date Given	Comments
Pneumovax 13		
Pneumovax 23 (1 of 2)		
Pneumovax 23 (2 of 2) (as needed)		
Tetanus, Diphtheria, Pertussis		
Shingles		
Hepatitis B (1 of 3)		
Hepatitis B (2 of 3)		
Hepatitis B (3 of 3)		
Meningitis		
Influenza year 1		
Influenza year 2		
Influenza year 3		
Influenza year 4		
Influenza year 5		

Results

- Our statewide pharmacist-driven campaign to increase adult pneumococcal vaccination through academic detailing to immunization providers and community outreach efforts resulted in increased provider knowledge regarding the pneumococcal vaccine, as well as decreases in pneumococcal pneumonia in RI.

	Pre-intervention	Intervention	Post-intervention
Rhode Island, pneumococcal disease per 10,000 discharges	12.8	10.8	3.6
Pneumonia	10.6	8.1 ^a	3.6 ^b
Bacteremia	2.0	2.0	0
Rhode Island, pneumococcal disease per 10,000 bed days	2.6	2.2	0.8 ^b
Pneumonia	2.1	1.6 ^a	0.8 ^b
Bacteremia	0.4	0.4	0
Rhode Island, monthly incidence of invasive pneumococcal disease per 100,000 population	0.53	0.59	0.15
New England, monthly incidence of invasive pneumococcal disease per 100,000 population	0.34	0.80 ^a	0.54 ^b
United States, monthly incidence of invasive pneumococcal disease per 100,000 population	0.37	0.42 ^a	0.39

Periods: pre-intervention January-October 2013, intervention November 2013-July 2015, post-intervention for discharges August-September 2015, post-intervention for invasive disease August 2015-May 2016. ^a Indicates significantly (p<0.05) different from pre-intervention period. ^b Indicates significantly (p<0.05) different from intervention period



* Significant (p<0.05) differences as compared to pharmacists.