

# COLLABORATION TO ENSURE ADULTS ARE VACCINATED

Massachusetts Adult Immunization Coalition  
June 4, 2018



# VACCINE PREVENTABLE ILLNESS

- An estimated 900,000 people get pneumococcal pneumonia/year, causing as many as 400,000 hospitalizations and 19,000 deaths
  - However in 2011, it was estimated only 62.3% of adults  $\geq 65$  had ever received pneumococcal vaccine
- 700,000-1.4 million people suffer from chronic hepatitis B, with complications such as liver cancer
- HPV causes over 27,000 cancers in women and men each year
  - About 4,000 women die each year from cervical cancer
- In 1999, it was estimated that 50,000-90,000 adults died/year in the US due to vaccine preventable illness

• <https://www.mayoclinicproceedings.org/article/S0025-6196%2811%2964406-6/fulltext> Accessed May 2018

• <https://www.cdc.gov/vaccines/pubs/pinkbook/strat.html> Accessed May 2018

• <https://www.cdc.gov/vaccines/adults/vpd.html> Accessed May 2018

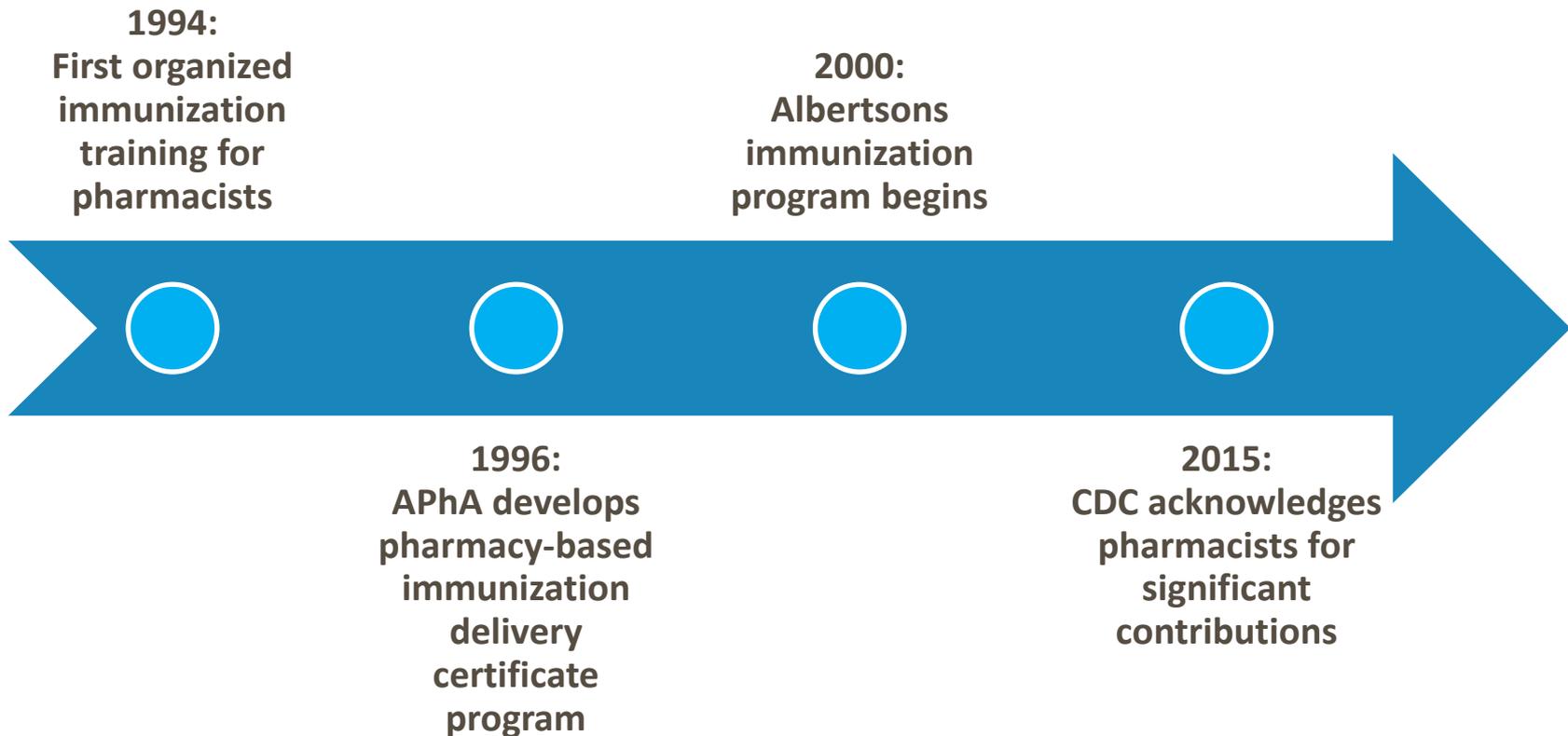
# INFLUENZA-RELATED ILLNESS AND DEATH

- CDC estimates that from 2010-2014, US influenza-associated deaths ranged from 12,000 (2011-2012) to 56,000 (2012-2013)
  - 80% of flu-associated deaths occurred in unvaccinated children
- If vaccination rates met the Healthy People goal of 70% for all age groups in 2016-2017, could have prevented:
  - 1.89 million illnesses
  - 822,000 medical visits
  - 17,300 hospitalizations
- However, by early November 2017 only 38.5% adults, and 38.8% of children 6 mo-17 years were vaccinated
  - Decrease of 3.7% in adults 18-49
  - Decrease of 7.7% in Hispanic adults

# WHERE CAN PATIENTS GET VACCINATED?

- Locations:
  - Physician's office
  - Pharmacy
  - Health centers
  - State and local health departments
  - Others (e.g., workplace, churches, community centers)
- Administration of flu vaccines during 2017-2018 season:
  - Medical locations (children: 86.5%, adults: 49.2%)
  - Retail settings (28.2%)
  - Workplaces (17.0%)

# TIMELINE OF PHARMACY-BASED IMMUNIZATIONS



• [http://www.pharmacist.com/AM/Template.cfm?Section=Pharmacy\\_Based\\_Immunization\\_Delivery](http://www.pharmacist.com/AM/Template.cfm?Section=Pharmacy_Based_Immunization_Delivery) Accessed May 2018  
• <https://www.pharmacist.com/article/cdc-recognizes-pharmacists-contributions-improving-immunization-access> Accessed May 2018

# EDUCATION AND TRAINING

- Pre-pharmacy curriculum
- PharmD curriculum
  - Minimum of four academic years of full-time study or equivalent
  - 150 hours introductory clinical rotations
  - 1440 hours advanced clinical rotations
- Completion of approved immunization training such as APhA's *Pharmacy Based Immunization Delivery*
  - Self-study (12 contact hours of CPE)
  - Live seminar including injection technique assessment (8 contact hours of CPE)

# PHARMACIST-ADMINISTERED VACCINES

## ■ Routine

- Hepatitis A & B
- HPV
- Influenza
- Measles, Mumps & Rubella
- Meningococcal
- Pneumococcal
- Polio
- Tdap/Td
- Varicella
- Zoster

## ■ Travel

- Japanese Encephalitis
- Rabies
- Typhoid
- Yellow Fever

# IMPACT BY PHARMACISTS

- Per Drozd et al., as states moved to allow pharmacists to administer influenza immunizations, odds that an adult resident received an influenza immunization rose over time.
  - Average percent rose from 32.2% in 2003 to 40.3% in 2013, or an estimated 5.1 additional immunized adults in 2013.
- Per Patel et al., Pharmacy-based immunization services increased the likelihood of immunization for influenza and pneumococcal diseases.
  - An estimated 6.2 million additional influenza immunizations and 3.5 million additional pneumococcal immunizations are attributable to pharmacy-delivered immunization services, each year.

# SHAW'S AND STAR MARKET LOCATIONS



## Massachusetts

- 15 Shaw's Pharmacies
- 9 Star Market Pharmacies

## Maine

- 15 Shaw's Pharmacies

## New Hampshire

- 13 Shaw's Pharmacies

## Rhode Island

- 1 Shaw's Pharmacy

## Vermont

- 5 Shaw's Pharmacies

# ALBERTSONS COMPANIES

- In 2017, administered >1 million flu immunizations and 300,000 other immunizations.
  - Average of 650 flu and 150 other immunizations per location.
  - 8% more patients were protected vs prior year.
    - » 58% more patients against tetanus.
    - » 26% more against human papilloma virus.
    - » 12% more against vaccine preventable travel illnesses.
- Helped expand role of pharmacy technicians.
  - In Idaho, 25% more patients were protected against vaccine preventable illnesses compared to prior year.
- Supported achievement of the “Immunization Neighborhood.”

# REGISTRY REPORTING

- Albertsons Companies has made a commitment to report to all state immunization registries that are willing and able to accept immunization data, regardless of requirement by state law.
- In the 35 states where Albertsons Companies currently operates, the company is actively submitting data to 30 state immunization registries.
- The company is expected to be connected to all immunization registries by the end of 2018.

# COLLABORATION EFFORTS

- Albertsons pharmacists are encouraged to work closely with local departments of health to find opportunities to fulfill needs.
  - For example, collaboration with the Spokane Health Department for patients in need of travel immunizations.
- During outbreak and disasters, the company is committed to making immunizations accessible and affordable for patients and donate pharmacists time, as well as vaccines, to improve access.
  - In 2017, donated and administered flu immunizations at 40 clinics that provided outreach to the underserved community.

# COLLABORATION GOALS

- Our patients trust us to give them the best advice on how to protect their health.
  - Gallup’s *Most Honest, Ethical Professions* for 2017:
    - » #1 Nurses, #4 Medical Doctors, #5 Pharmacists out of 22 occupations rated.
- To improve immunization rates, all need to:
  - ASSESS the immunization status of all patients at every clinical encounter.
  - Strongly RECOMMEND vaccines that your patients need.
  - ADMINISTER needed vaccines or REFER your patients to a vaccination provider.
  - DOCUMENT vaccines received by your patients.



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