



# LEVERAGING PHARMACY PARTNERSHIPS TO IMPROVE OREGON'S IMMUNIZATION RATES

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AIRA National Meeting 2018



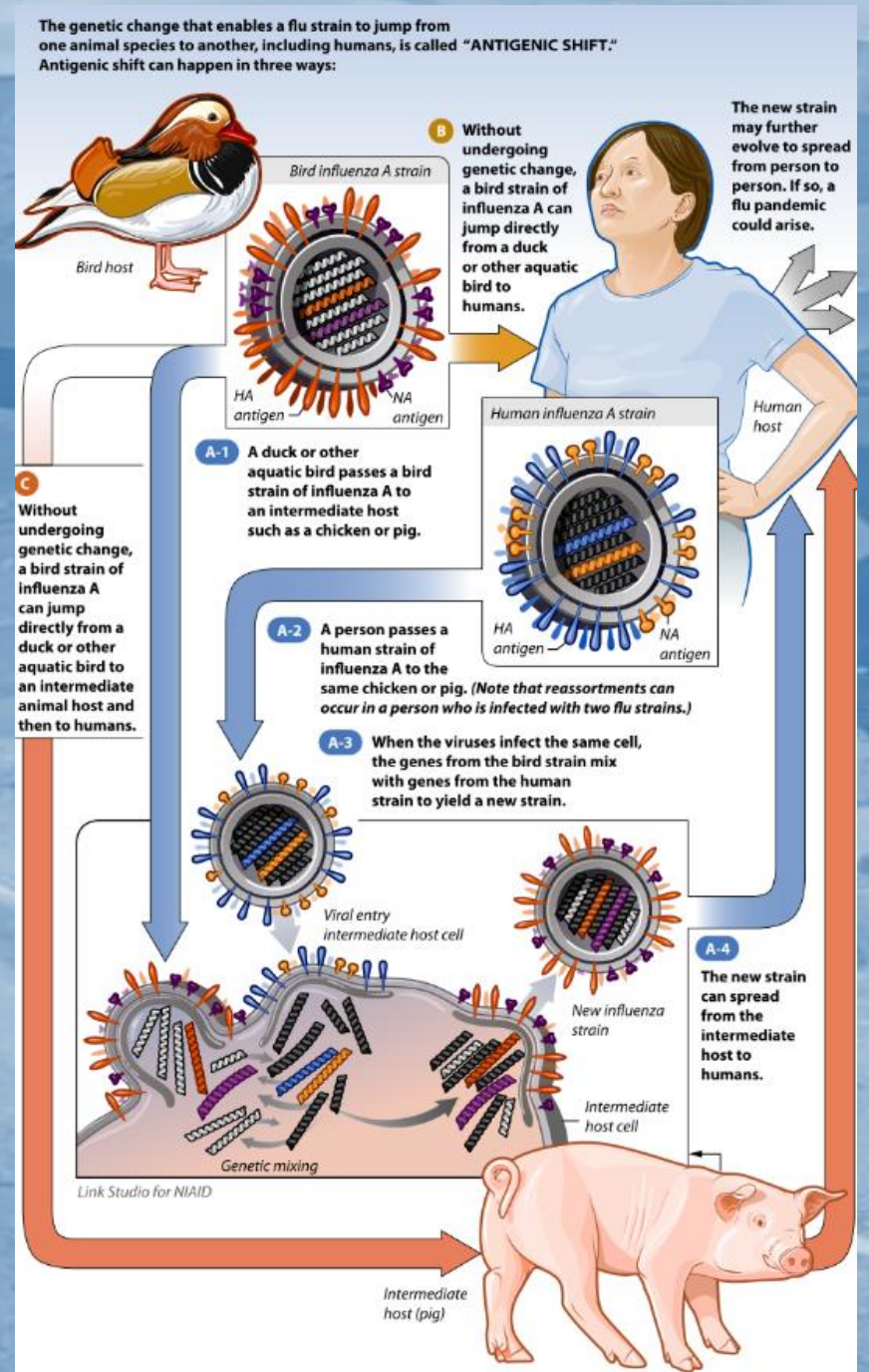


*I've found 10,000  
ways that don't  
work.*





# 2010





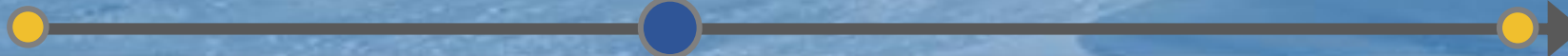


New IIS go live

2005

2010

2018







New IIS go live

Protocols –  
immunize 18 or older w/o Rx

2005

2008

2010

2018

lifespan registry

# Legislative influences





Legislative rules enacted –  
lowers age to 11 &  
requires reporting to ALERT IIS

2005

2011

2018



# Legislative influences





## Legislation

lowers age to 7  
requires record lookup in ALERT IIS

2005

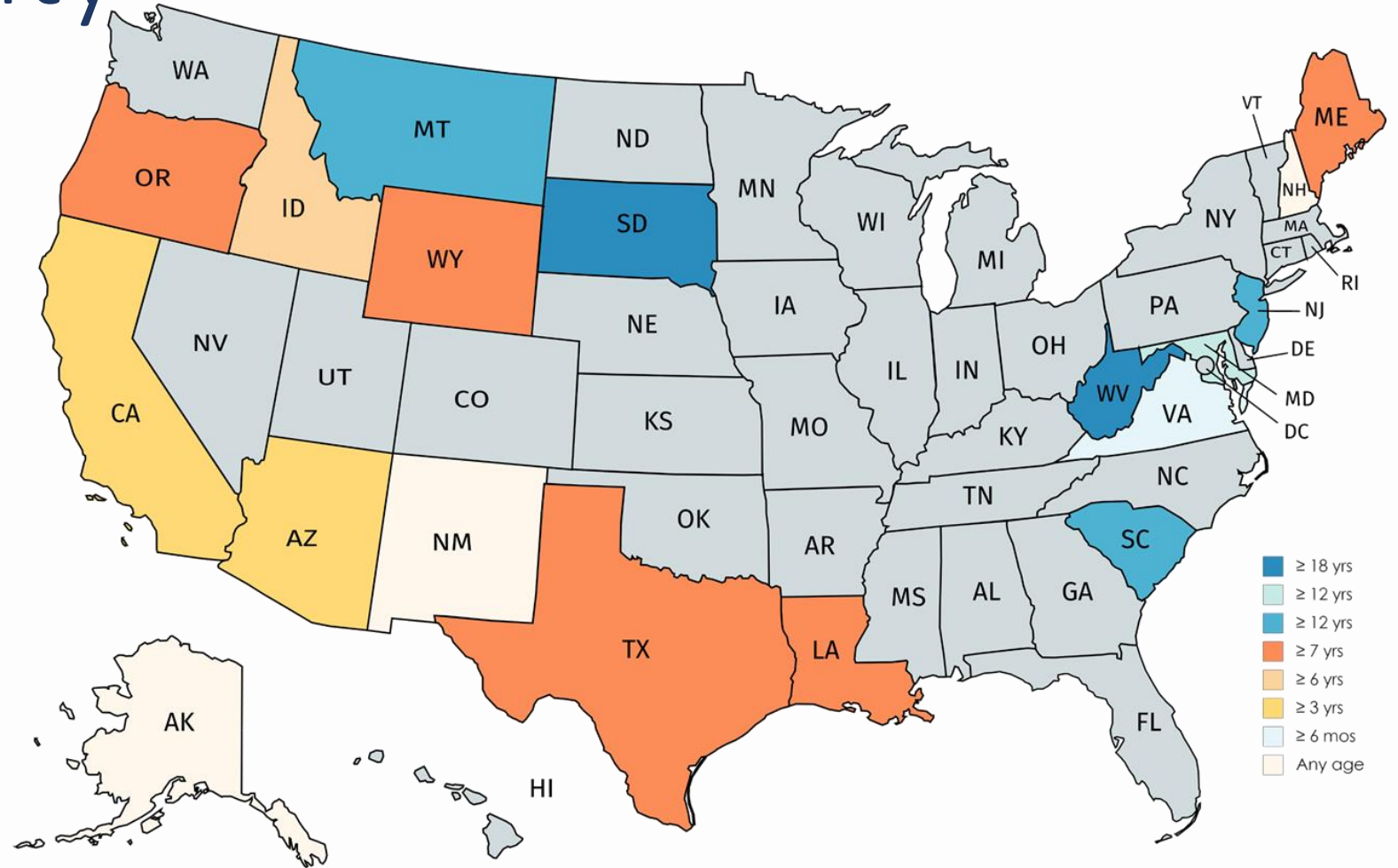
2014

2018

# Legislative influences

# Broad Authority

No Rx or MD protocol needed



Created with mapchart.net ©

\*APhA/NASPA Survey of State IZ Laws/Rules – updated January 2018



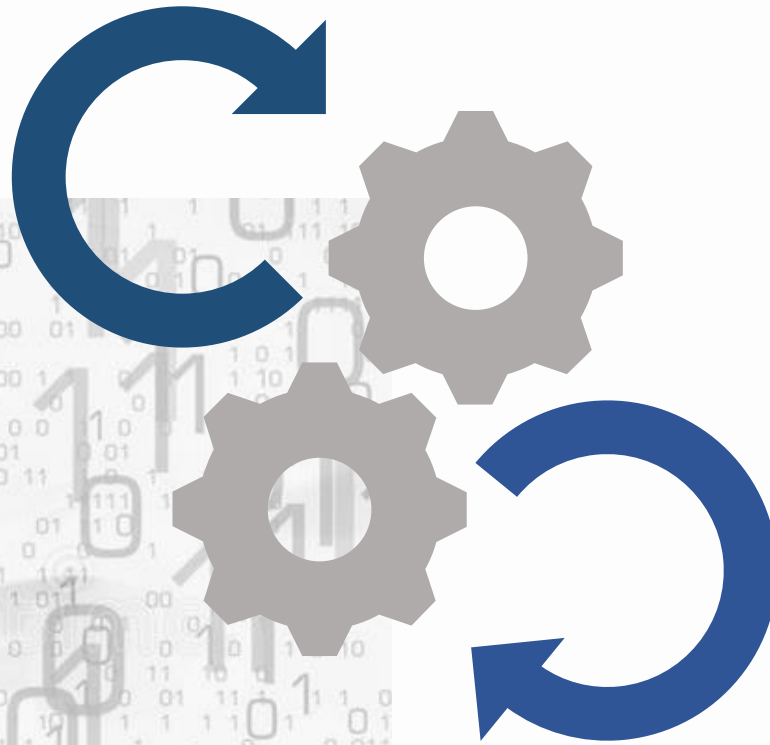
# Legislative influence adolescent flu vaccination



Impact of Immunizing Pharmacists on Adolescent Influenza Immunizations. Steve G. Robison.  
**Journal of the American Pharmacists Association** (July/August 2016).  
<http://www.sciencedirect.com/science/article/pii/S1544319116300279>

Legislative influence

Pharmacy/IIS interoperability

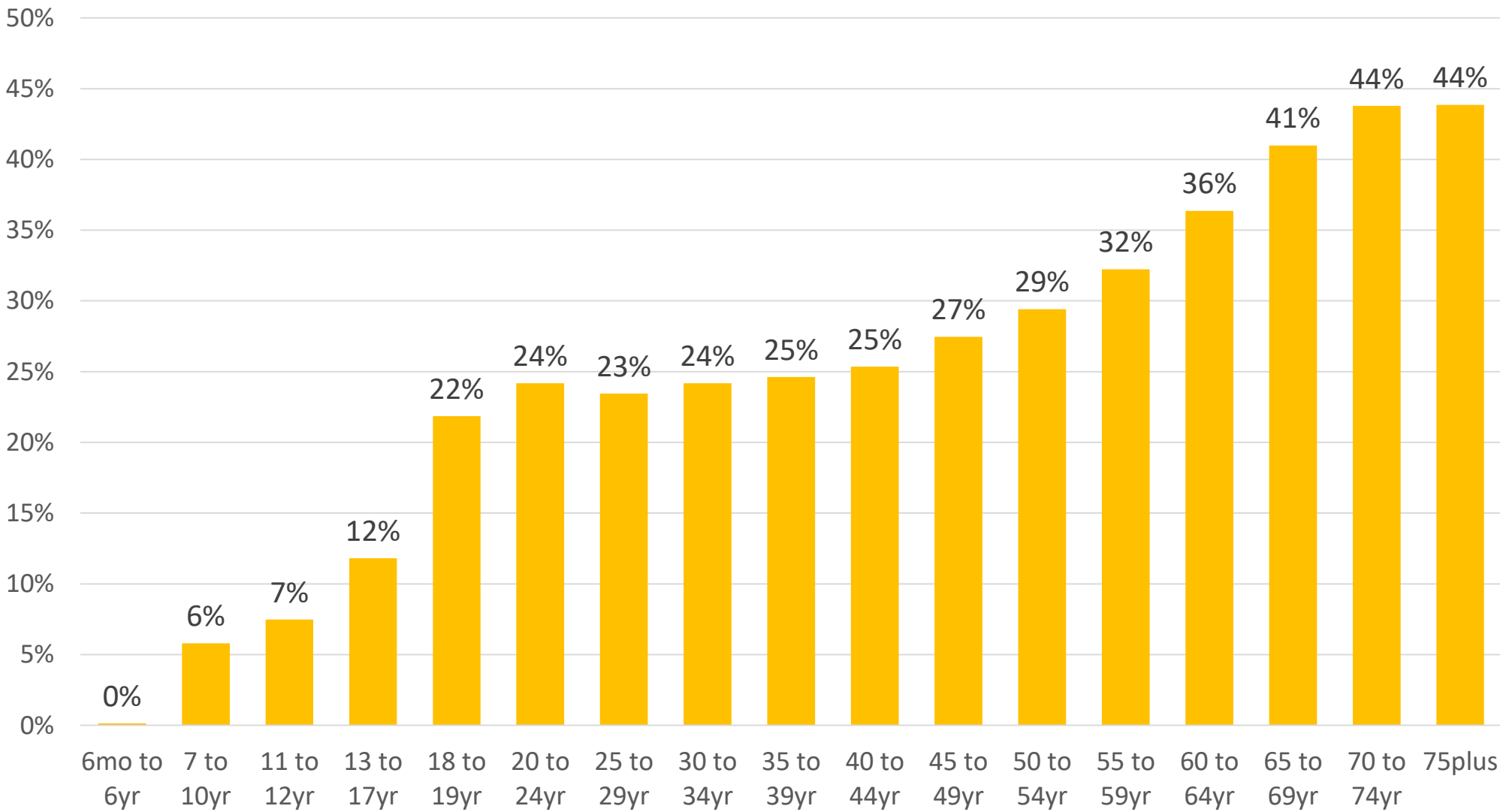


2014



# Pharmacist % of Total Influenza Immunizations by Age

## 2017-2018



SOURCE: ALERT IIS

U of O Men B  
outbreak response

OSU Men B  
outbreak response

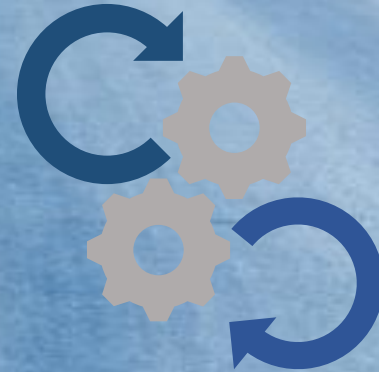
2005

2015

2017

2018

Outbreak response



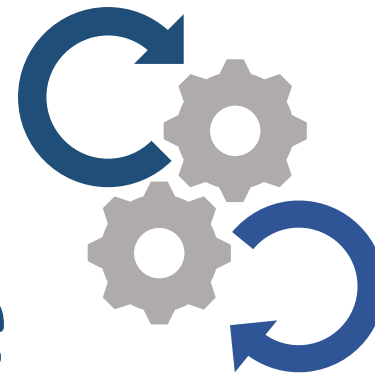




U of O Men B  
outbreak response



Outbreak response



Oregon  
Health  
Authority

2000

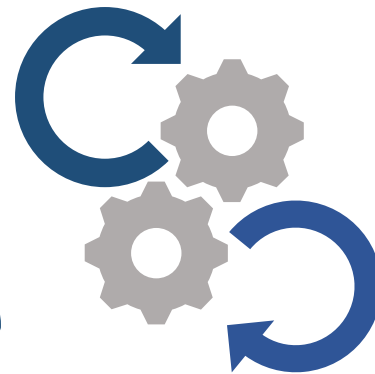


OSU Men B  
outbreak response

2017

2018

Outbreak response



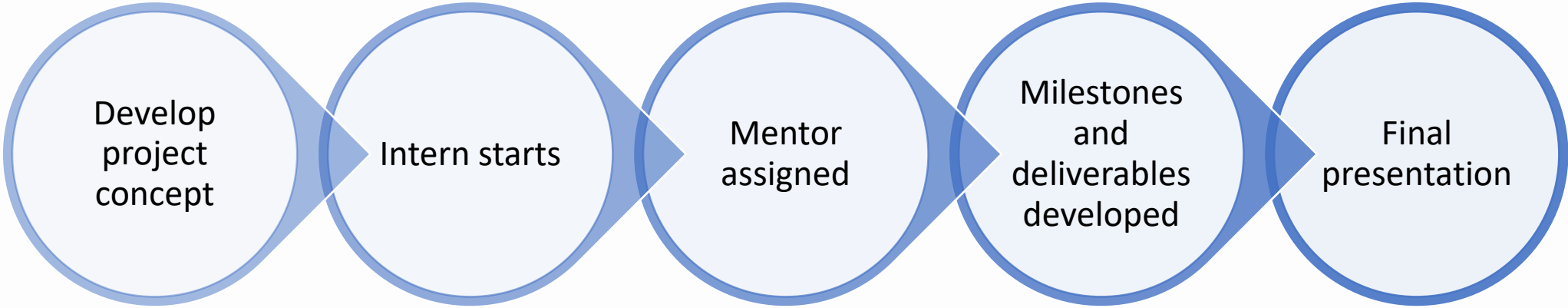
Oregon  
Health  
Authority





Engage

Oregon  
Health  
Authority



# Internships



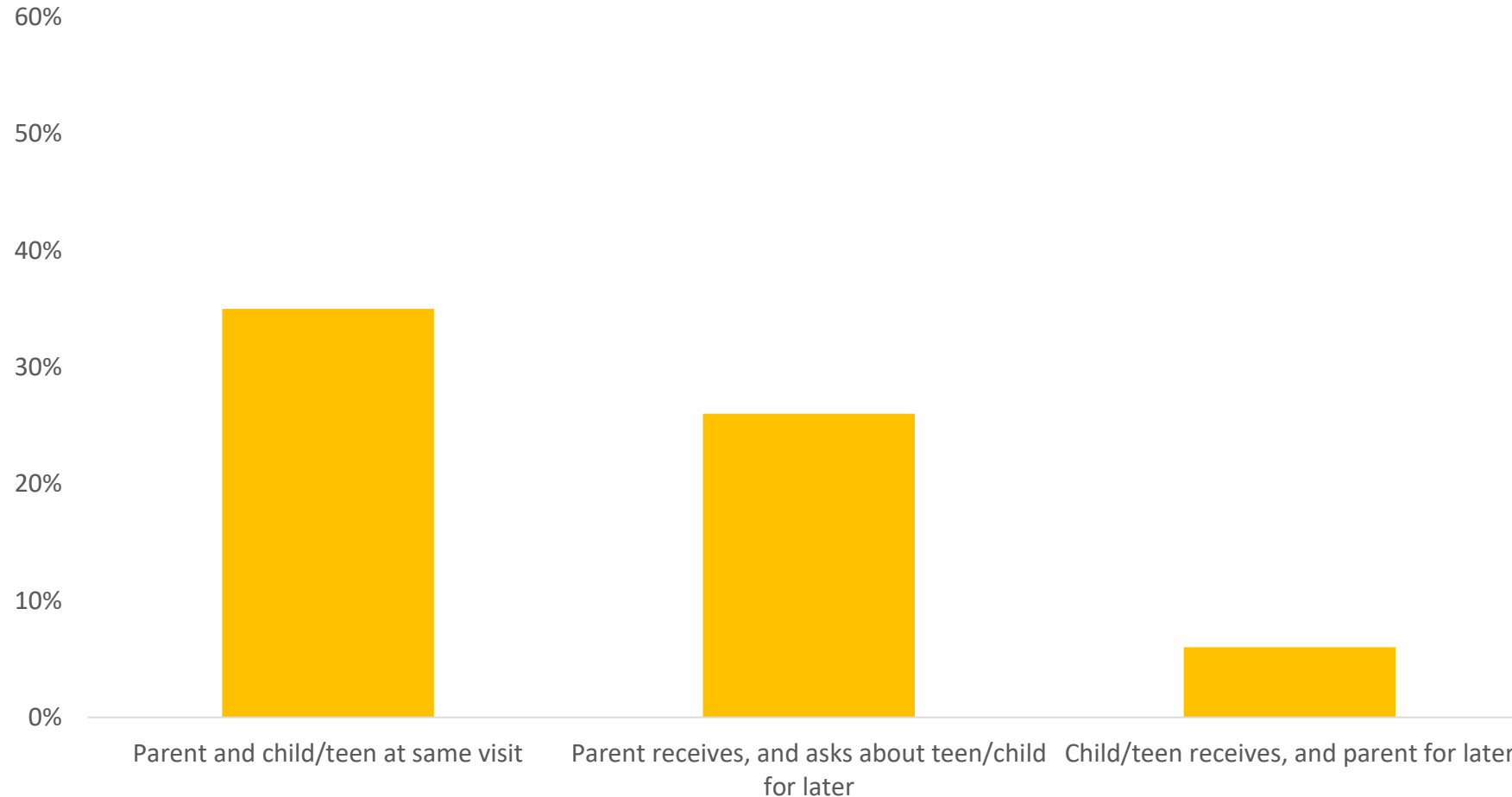


**Barriers to immunizing  
Effectiveness of pharmacy immunization protocols**

# Surveys

**Oregon**  
**Health**  
Authority

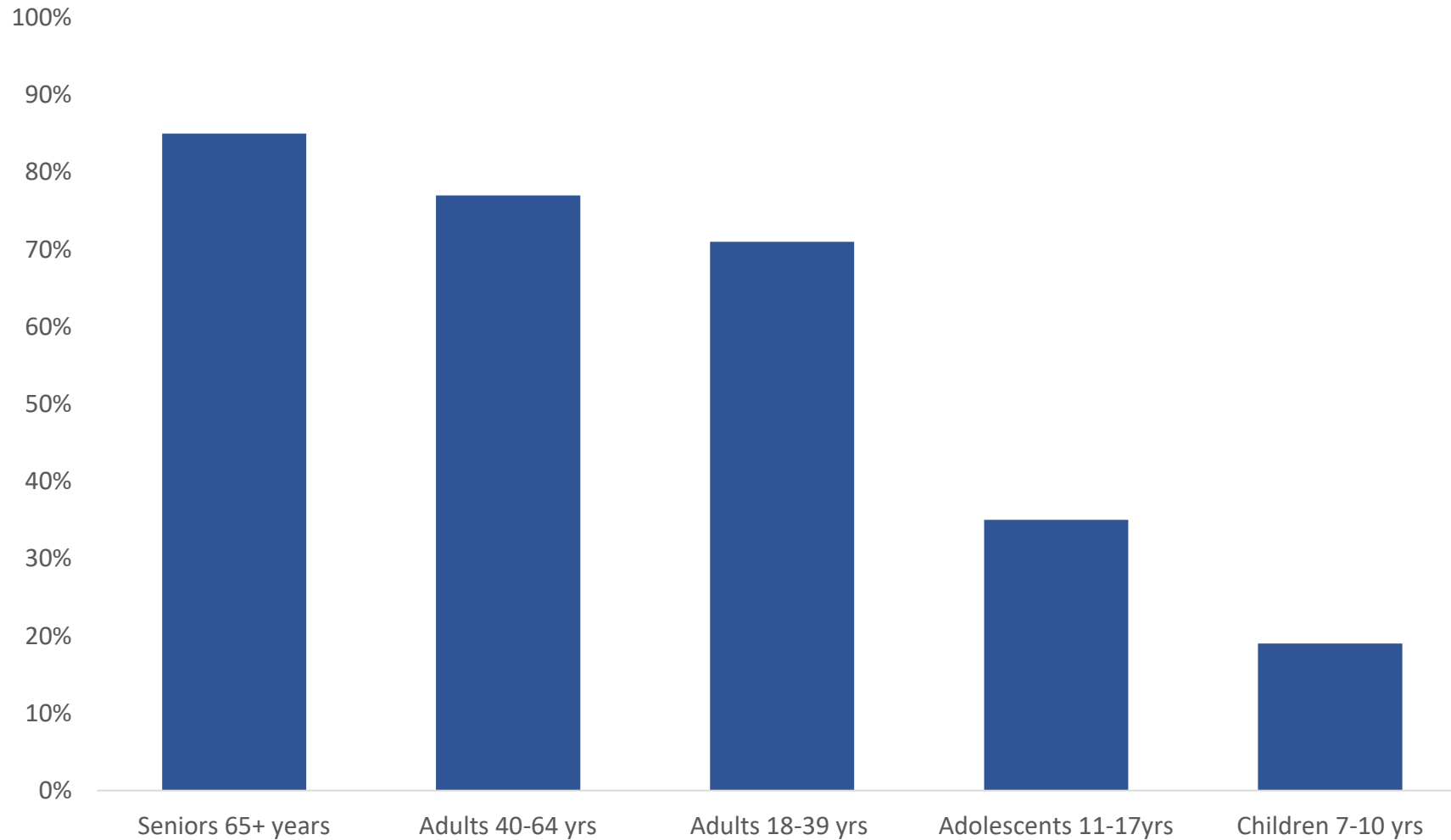
# Family Influenza Immunization Patterns: What Immunizing Pharmacists Often See



SOURCE: 2017 Oregon Pharmacist survey

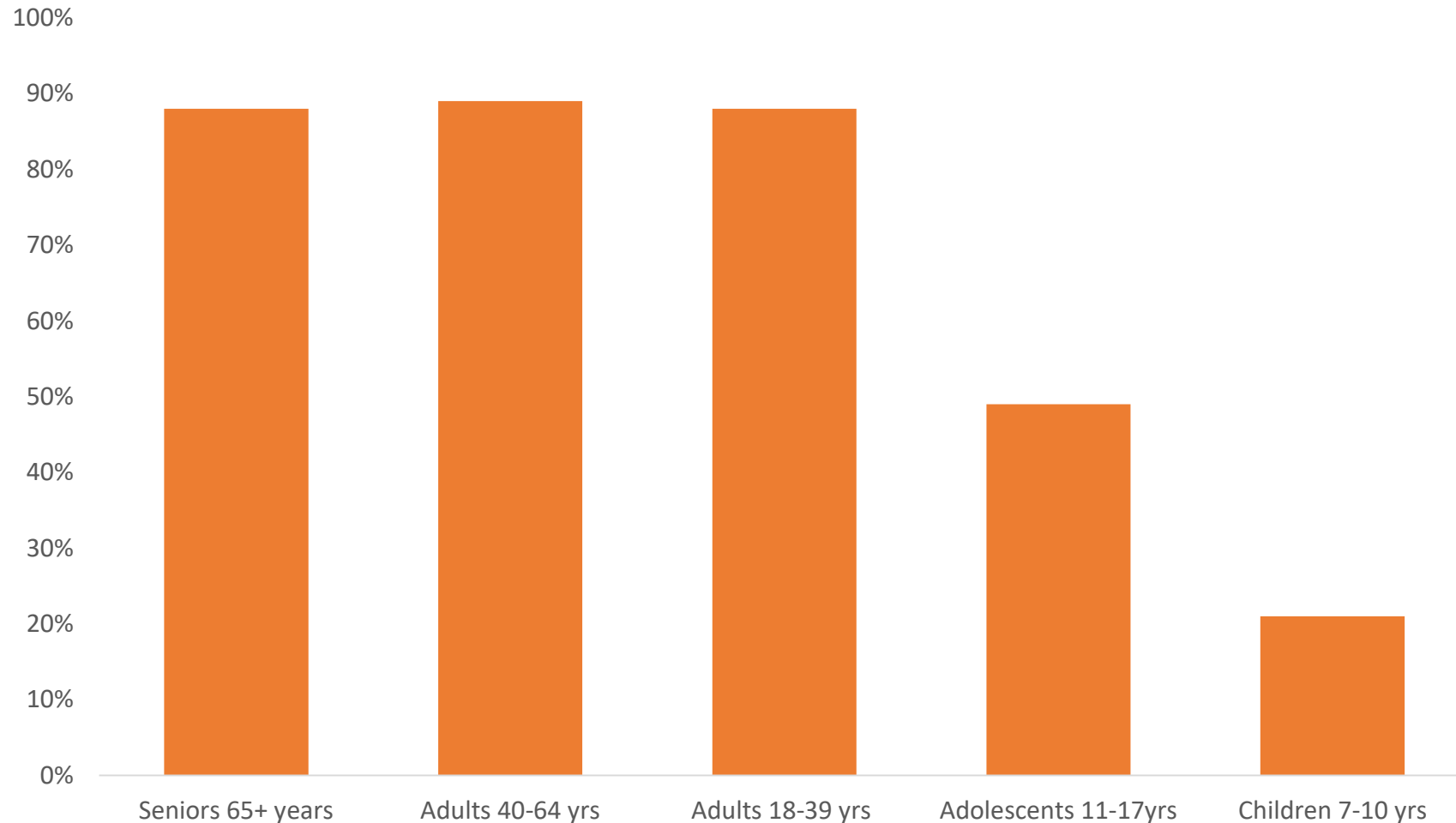


# Percent Very Comfortable Recommending Immunizations for Clients by Age



SOURCE: 2017 Oregon Pharmacist survey

# Percent Very Comfortable Giving Immunizations for Clients by Age



SOURCE: 2017 Oregon Pharmacist survey

## Oregon Pharmacy Protocols for Immunization

### Note to pharmacists:

The following Pharmacy Protocols for Immunization are reviewed yearly. Generally, updates are made as new recommendations are published by the Advisory Committee on Immunization Practices (ACIP).

An **interim protocol** is published when clinical guidance is needed but the Advisory Committee on Immunization Practices recommendations haven't yet been published in the MMWR. The interim protocol will be replaced with a final protocol once the recommendations are published.

## Protocols

Vaccine/biologic	Date of Last Revision
<a href="#">Guidelines for managing adverse events</a>	July 2017
<a href="#">Adverse Events E-kit Checklist</a> and <a href="#">Report Form</a>	July 2017



# Vaccines for Children

Protecting America's children every day



## Challenges

Must waive administration fee

Must carry separate stocks



U.S. Department of  
Health and Human Services  
Centers for Disease  
Control and Prevention

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Oregon  
**Health**  
Authority

# Good



- Partnering with the Board of Pharmacy enabled quick & efficient communication and led to future collaboration
- More complete immunization records
- Pharmacists are the second most frequent reporter of flu immunizations
- Lowering age limits increased number of adolescent flu immunizations



# Lessons

- Involve pharmacy partners in policy planning
- Communicate through corporate channels
- Tailor IIS roles, user setup, and functionality for pharmacy model
- Solicit feedback





# Outcomes

- Broadening authority = more adolescent immunizations
- Requiring use of IIS = more complete records
- Internships = increased awareness of public health role
- Outbreak responses = opportunities for strengthening partnership

# The Road Ahead

2018



Tailor IIS access & workflow  
Encourage real-time bidirectional dx efforts  
Strengthen communication with corporate partners  
Increase adolescent immunizations

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# Questions?

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