Washington State’s Initiative to Increase Pharmacist Access and Reporting to the Washington State Immunization Information System
Outline

- Grant Background
- Pharmacy Outreach Interventions
- Results
- Next Steps
- Questions
Grant Background

• Funded by Centers for Disease Control and Prevention
• 2-year Prevention and Public Health Fund Grant to improve adult immunization services
• Focus areas:
  o Employers/child care workers
  o Community and migrant health centers
  o Healthcare workers in clinic settings
  o Providers who service high-risk Hepatitis B communities
  o Pharmacies and pharmacists
Partners

- **Project Goal**: To expand the role of pharmacies in providing adult vaccines to their community

- **Washington State Pharmacy Association (WSPA)**

- **Scientific Technology Corporation (STC)**

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<table>
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<tr>
<th><strong>Baseline Data</strong></th>
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<td><strong>159 Locations</strong></td>
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| • routinely reported immunizations  
  • 1 chain pharmacy (157 locations)  
  • 2 independent pharmacies |
| **114,535 Vaccine doses** |
| • were entered into IIS from Aug 2010 to July 2011 |
| **10 Pharmacy entities** |
| • had information sharing agreements |
Survey

- 400 Pharmacists were surveyed
- 202 Pharmacists responded
- 127 Respondents were certified to vaccinate
Survey Findings

Of the 127 pharmacists certified to provide immunizations:

- 62 (49%) were aware of the Washington State Immunization Information System (IIS)
- 41 knew they could gain access to the registry
- 40 knew the registry was for adults as well as children
Intervention

- Education and technical assistance
  - Met directly with chains and independents to encourage IIS use
  - Answered questions about the legality of inputting information into the IIS
  - Marketing and outreach to pharmacies
  - Provided pharmacy-specific training (for selected pilots)
  - Developed instructional videos on how to use the IIS
“Best practice” formula for IIS use

**Interview**
Determine current immunization process

**Assess**
The provider’s technological capabilities and staff resources

**Demo**
Review the registry and discuss with staff implementation strategies

**Develop**
Create new immunization workflow to include use of the registry

**Train**
Implement the process through staff training
Workflows Identified

- Pre-Visit Analysis
- Patient Fills out Paperwork
- Patient Screened
- Prescription Written/Signed
- Vaccine Ordered in System
- Patient Given VIS Form
- Patient Signs Waiver
- Vaccine Pulled from Fridge
- Vaccine Administered
- Vaccine Information Recorded
- Vaccine Billed and Payment Collected

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**Bar Code Printed**

**Bar Code Scanned**

CHECK THOSE THAT APPLY:
- Name
- Patient ID
- Lot Number
- Expiration Date
- Dose Volume
- Date Vaccine Given
- VIS Form Date
- VIS Form Given Date
- CVX Code
Marketing Recommendations

The ability to offer higher quality immunization care
Results

- **438 Locations**
  - Routinely report immunizations
  - (43% of pharmacies)

- **465,819 Vaccine doses**
  - Entered into IIS
  - (Four-fold increase)

- **30 Pharmacy entities**
  - Have information sharing agreements
  - (Three-fold increase)
Increasing Registry Use by Pharmacies

Vaccine doses entered into IIS per grant year

- 2010-2011: 50,000 doses
- 2011-2012: 100,000 doses
- 2012-2013: 150,000 doses

Graph showing an increase in vaccine doses entered into the Immunization Information System (IIS) per grant year.
Key Findings

- Pharmacies are ready and willing to use the IIS in their day-to-day workflows when presented to them as a win-win.
- Development of communication and training materials is important for this target market.
- Some IIS enhancements will:
  - Help with resource sustainability
  - Allow pharmacies to access all best practice tools
  - Ensure data gets into the system in a timely fashion
Next Steps

• Engage student pharmacists
  o A past model for initiating change, used to encourage pharmacists as immunizers
• Continue to explore innovative solutions
• Address interface issues such as duplicate patient IDs
• Full IRB Study
• Forecasting Tool
• System Changes
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