Clinical Immunization Data

Rafe Hewett
Idaho Immunization Program Manager
Date: 10/26/2016
Overview

• Data from the immunization registry
• Data from the National Immunization Survey (NIS)
• How clinics administering pediatric vaccine currently get immunization rate information from the Idaho Division of Public Health
Idaho’s immunization registry

- Idaho Immunization Reminder Information System (IRIS)
- 2010 Idaho Statute 39-4803
- Documents when and where shots are given
- Provides a comprehensive data set for child immunizations in Idaho
- 53 of the 55 SHIP clinics are registered in IRIS
- # of patients under 18 years of age that opted out of IRIS in 2015 was 146
National Immunization Survey (NIS)

• CDC telephone survey of parents, then a survey is mailed to providers (small sample size in Idaho)
• Data are used to reflect immunization rates among 2-year-old children at the national and state level
• Cannot get child or clinic specific data from this survey
National standard for measuring immunization rates among children ages 19-35 months

**Combined 7-vaccine series (4:3:1:3:3:1:4)**
- ≥4 doses of Diphtheria, Tetanus, Pertussis
- ≥3 doses of Polio
- ≥1 dose of measles-containing vaccine
- Haemophilus influenza type B full series (3)
- ≥3 Hepatitis B
- ≥1 Varicella
- ≥4 Pneumococcal conjugate
How the Idaho Immunization Program currently provides clinics with their immunization rates

Through AFIX visits

• Assessment
• Feedback
• Incentives
• eXchange
How clinic-specific immunization data are generated and communicated

**Clinic**

**IRIS**

**Immunization rate generator tool**

**AFIX Report**

**Proposed Data for RCs**

Feedback
Clinic specific data collected by the state and shared at AFIX visits

- Comes directly from IRIS
- Based on the patients that are noted as “active” to a clinic site
- Shows a clinic site the extent of their immunization rate for their “active” patient population
- Based on the standard combined 7-vaccine series
Why use IRIS data as a measure?

• IRIS provides the most complete data set available for measurement of clinic immunization rates

• The path is already paved – the Idaho Immunization Program (IIP) has been using these data to improve clinic immunization rates and practices for years (through AFIX)

• The IIP has committed to providing future data collection and report creation for SHIP/RCs, as needed
**Clinic Report**

**Immunization Rates by 24 months of age**

<table>
<thead>
<tr>
<th></th>
<th>4+DTaP</th>
<th>3+Polio</th>
<th>1+MMR</th>
<th>Hib FS</th>
<th>3+HepB</th>
<th>1+Var</th>
<th>4+PCV</th>
<th>Series*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clinic A</strong></td>
<td>80.0</td>
<td>82.0</td>
<td>79.0</td>
<td>74.0</td>
<td>84.0</td>
<td>81.0</td>
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<td>81.0</td>
</tr>
<tr>
<td><strong>RC</strong></td>
<td>70.0</td>
<td>73.2</td>
<td>71.0</td>
<td>70.1</td>
<td>64.3</td>
<td>71.0</td>
<td>72.0</td>
<td>69.5</td>
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<tr>
<td><strong>Idaho</strong></td>
<td>73.0</td>
<td>72.0</td>
<td>71.0</td>
<td>68.0</td>
<td>68.6</td>
<td>80.0</td>
<td>69.0</td>
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<td><strong>United States</strong></td>
<td>70.0</td>
<td>73.2</td>
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*The combined 7-vaccine series (4:3:1:3*3:1:4) includes 24 doses of DTaP, ≥3 doses of Polio, ≥1 dose of measles-containing vaccine, Hib full series, ≥3 HepB, ≥1 Var, and ≥4 PCV*

**Patient Immunization Information from Idaho’s Immunization Reminder Information System (IRIS) for patients active to each organization; rates generated through CoCASA**

**Data from the National Immunization Survey**

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**Graph:**
- Healthy People 2020 Goal
- United States Average
RC Report

Immunization Rates by 24 months of age

Regional Collaborative (RC): Regional Collaborative C
Date of Report: 10/31/2016
Report Description: SHIP 2015 vaccine coverage baseline data

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*The combined 7-vaccine series (4:3:1:3:1:4:1) includes 24 doses of DTaP, 23 doses of Polio, 21 dose of measles-containing vaccine, Hib full series, 23 Hepa, 21 Var, and 26 PCV

**Patient Immunization Information from Idaho’s Immunization Reminder Information System (IRIS) for patients active to each organization; rates generated through CoCAS

***Data from the National Immunization Survey

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[Diagram showing immunization rates with Healthy People 2020 Goal and United States Average highlighted.]
THANK YOU

Contact: hewettr@dhw.idaho.gov