Improving Immunization Services and Coverage at Island Health

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Western Canadian Immunization Forum
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Vancouver Island 2016

• Approx. 800,000 people
  – 13.5% are 0 to 14 yrs
  – 63.1% are 15 to 64
  – 23.3% are 65+
  – 5% growth overall since 2011

• Roughly 50% live in the Capital Regional District or Greater Victoria

• 6600 new babies annually

2016 Census Profile Stats Canada
2 Yr Old Up to Date for Age Rate Changes by HSDA between 2014 to 2016
Table 1. Percent of Seven-year-olds with Up-to-date Immunizations

British Columbia and Health Authorities

Data should be interpreted with caution. Please refer to the Measure Specifications and Explanatory Notes for additional information.

<table>
<thead>
<tr>
<th>Province / Health Authority</th>
<th>Vaccination Details</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>2012</td>
</tr>
<tr>
<td>Island Health VIHA</td>
<td>Up-to-date for age</td>
<td>71%</td>
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<tr>
<td></td>
<td>Specific Agents</td>
<td></td>
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<tr>
<td></td>
<td>D/T/aP/IPV</td>
<td>79%</td>
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<tr>
<td></td>
<td>Hepatitis B</td>
<td>91%</td>
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<tr>
<td></td>
<td>Measles</td>
<td>92%</td>
</tr>
<tr>
<td></td>
<td>Mumps</td>
<td>92%</td>
</tr>
<tr>
<td></td>
<td>Rubella</td>
<td>96%</td>
</tr>
<tr>
<td></td>
<td>Varicella</td>
<td>91%</td>
</tr>
<tr>
<td></td>
<td>Meningococcal C conjugate</td>
<td>93%</td>
</tr>
</tbody>
</table>
• Acceptable
• Accessible
• Effective
• Safe
• Appropriate
Topics for Discussion

• Current state
• Examples of application of the Model for Improvement to Immunization Practice – HU specific initiatives, what has been learned – Same day appointments
• Evolution of School Based Immunization
Reducing Time to 3\textsuperscript{rd} Next Available Appointment (14 days)

- Monitor days to 3\textsuperscript{rd} Next Appt 2015 (Island wide) \textbf{Unclear benefit}
- Group Imms Appts 2015 (SI) \textbf{No benefit}
- Outreach Clinic (Nanaimo) \textbf{Unclear benefit}
- Same Day Appts 2016 (SI) \textbf{Benefit*}
- Balance Appt. Demand and Availability 2014-15 (Nanaimo) \textbf{Benefit}
Reminder and Recall

**Reminders**: information before the vaccine is due

**Recall**: information after the immunization date is missed

- American Immunization Registry Association cost effectiveness recommendations:
  - Phone calls, letter, post card, auto dialer, home visit

- www.thecommunityguide.org
Impact of Dedicated Recall Alone

Nanaimo 2 year Immunization Rates

- Up to date at 2 years
- Minus 18 mth booster

Lead audit
PHN assigned
dedicated time
Increasing School Entry Coverage in the Comox Valley

- 50% coverage rate without doing anything
- Phone calls to parents of gr. 1 students (50% positive response/book appt) **Benefit**
- Grade 1 letter including imms history, information about diseases/vaccines (15% positive response/book appt after 2 weeks) **Unclear benefit**
- Post card reminders/phone call follow up at 4/5 yrs (good anecdotal evidence) **Unclear benefit**
Grade 6 and 9 Coverage

• Introduction of personalized consent forms and catch up programs in schools
  – Reduces the amount of time nurses interact with parents prior to school imms event
  – Shifts costs to consent preparation
  – No evidence in increased return rate of consent forms
  – Unclear evidence of changes in vaccine uptake of one or more vaccines
Learning from Applying a QI Approach

- Risk
- Capacity
- Diligence
- Sustain
- Spread
- Data
- Co-design