

Improving Immunization Services and Coverage at Island Health

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Western Canadian Immunization Forum

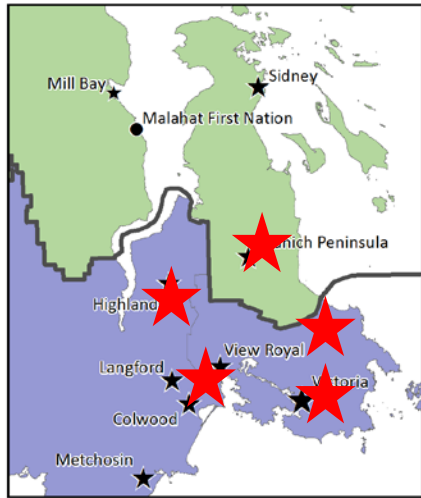
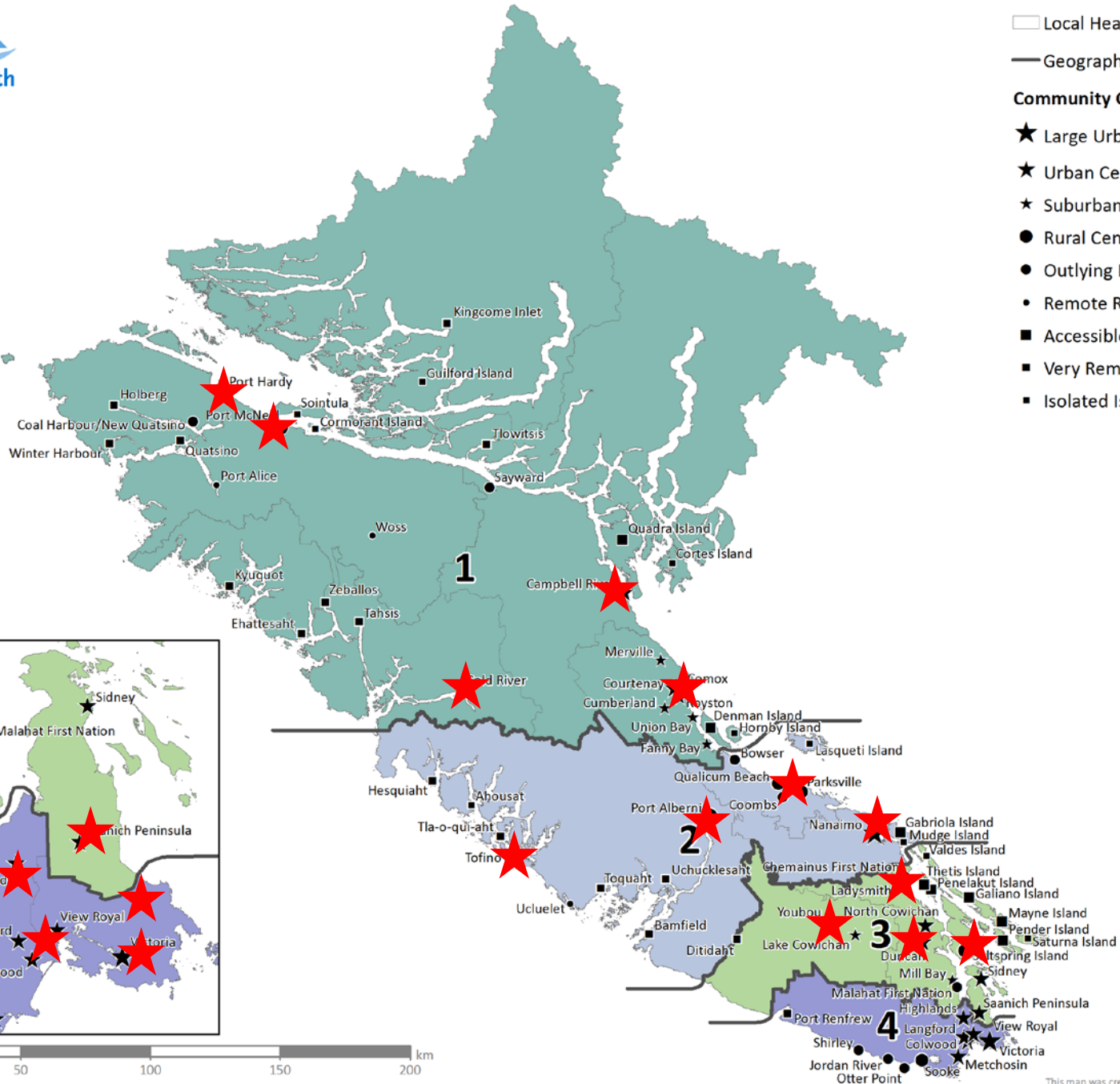
Vancouver, BC

January 30, 2018

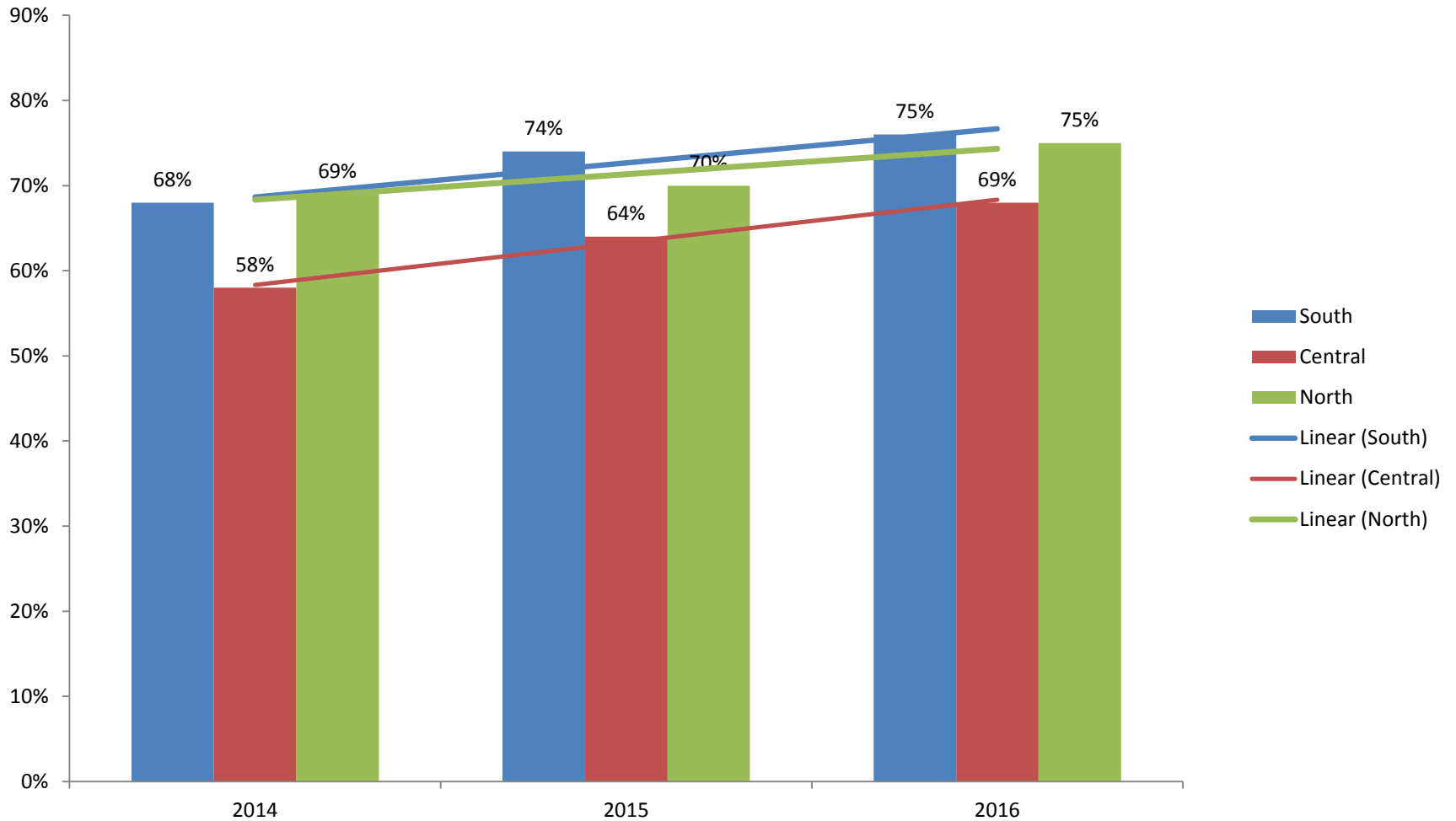
Vancouver Island 2016

- 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

- Local Health Area Boundaries
- Geography Boundaries
- Community Classification Index:**
- ★ Large Urban Centre
- ★ Urban Centre
- ★ Suburban Subdivision
- Rural Centre
- Outlying Rural
- Remote Rural
- Accessible Island
- Very Remote Rural
- Isolated Island





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

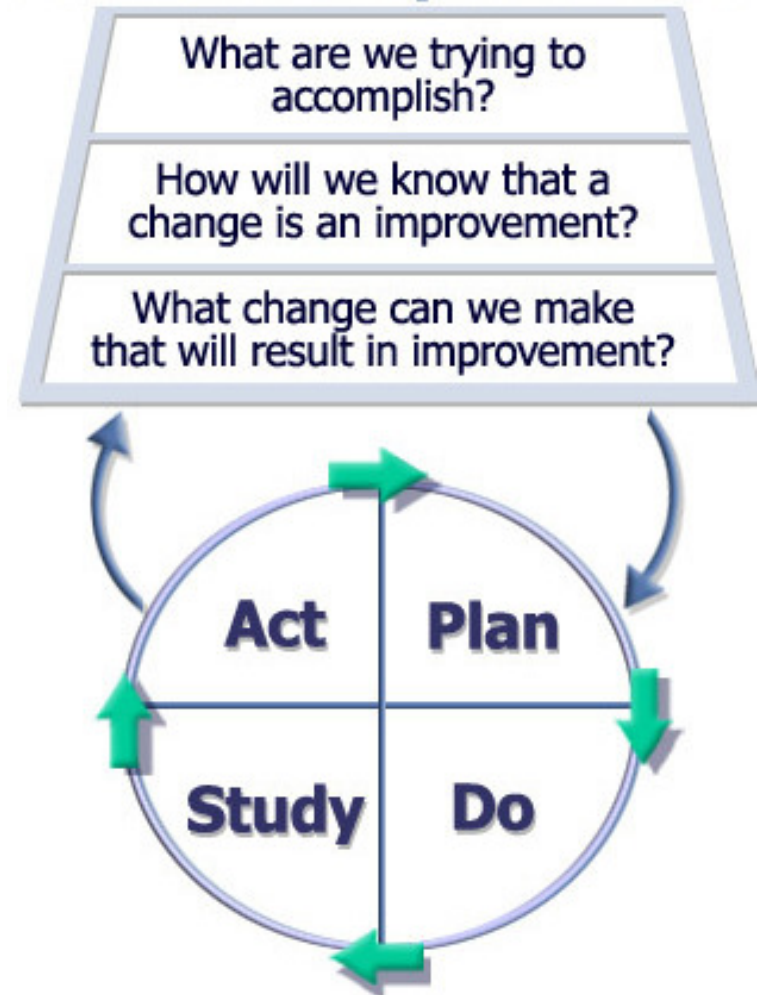
Province / Health Authority	Vaccination Details	Percent					
		2012	2013	2014	2015	2016	2017
Island Health VIHA	Up-to-date for age	71%	69%	71%	62%	65%	68%
	<i>Specific Agents</i>						
	 D/T/aP/IPV	79%	76%	77%	75%	75%	75%
	Hepatitis B	91%	91%	93%	91%	90%	91%
	Measles	92%	92%	93%	92%	91%	90%
	Mumps	92%	91%	93%	92%	91%	90%
	Rubella	96%	96%	98%	98%	97%	96%
	 Varicella	91%	92%	94%	68%	70%	72%
Meningococcal C conjugate	93%	92%	95%	96%	96%	95%	



BC PATIENT SAFETY
& QUALITY COUNCIL

Working Together. Accelerating Improvement

Model for Improvement



- Acceptable
- Accessible
- Effective

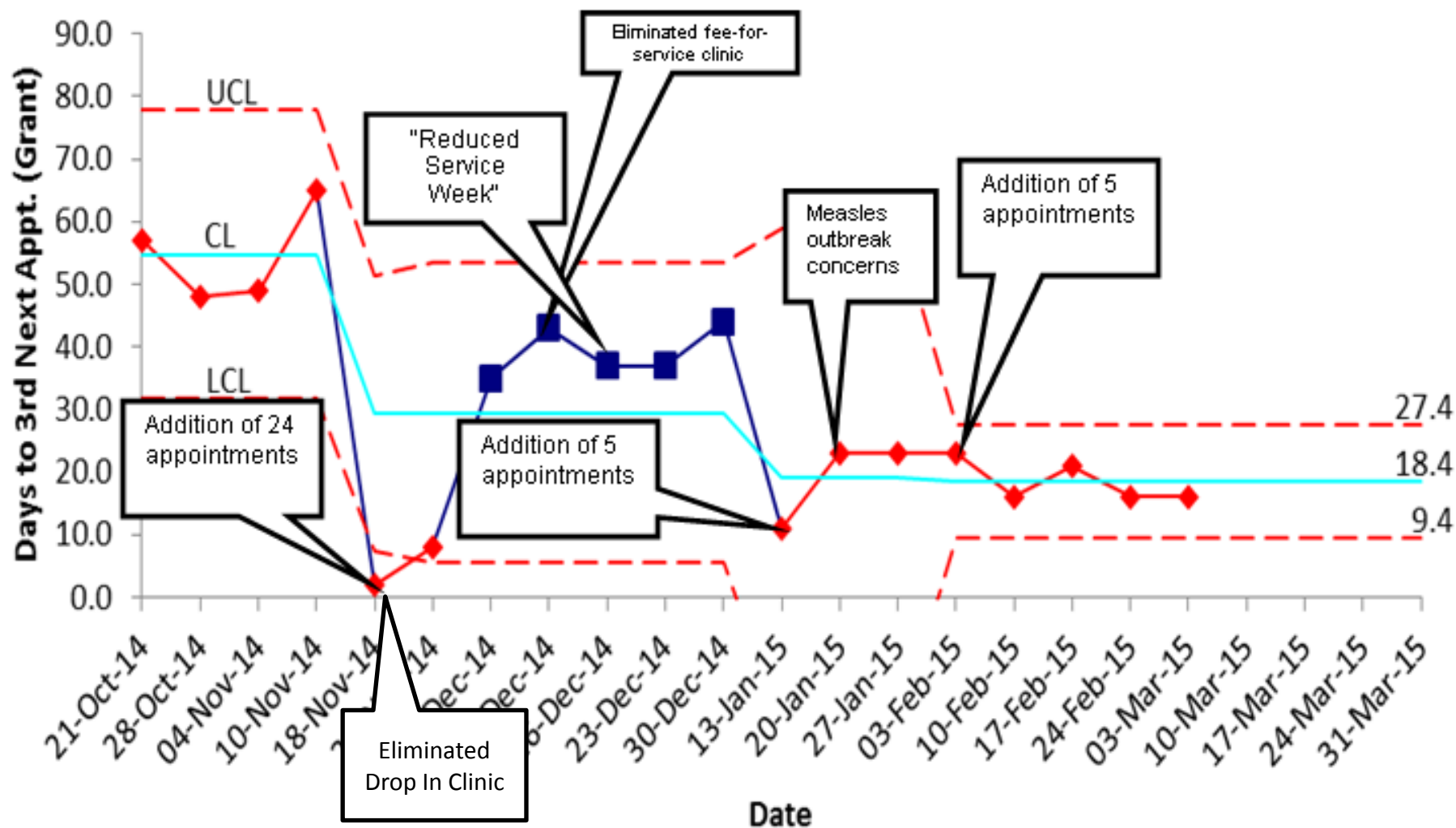
- Safe
- Appropriate



Reducing Time to 3rd Next Available Appointment (14 days)

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

X Days to 3rd Next Appt. (Grant)



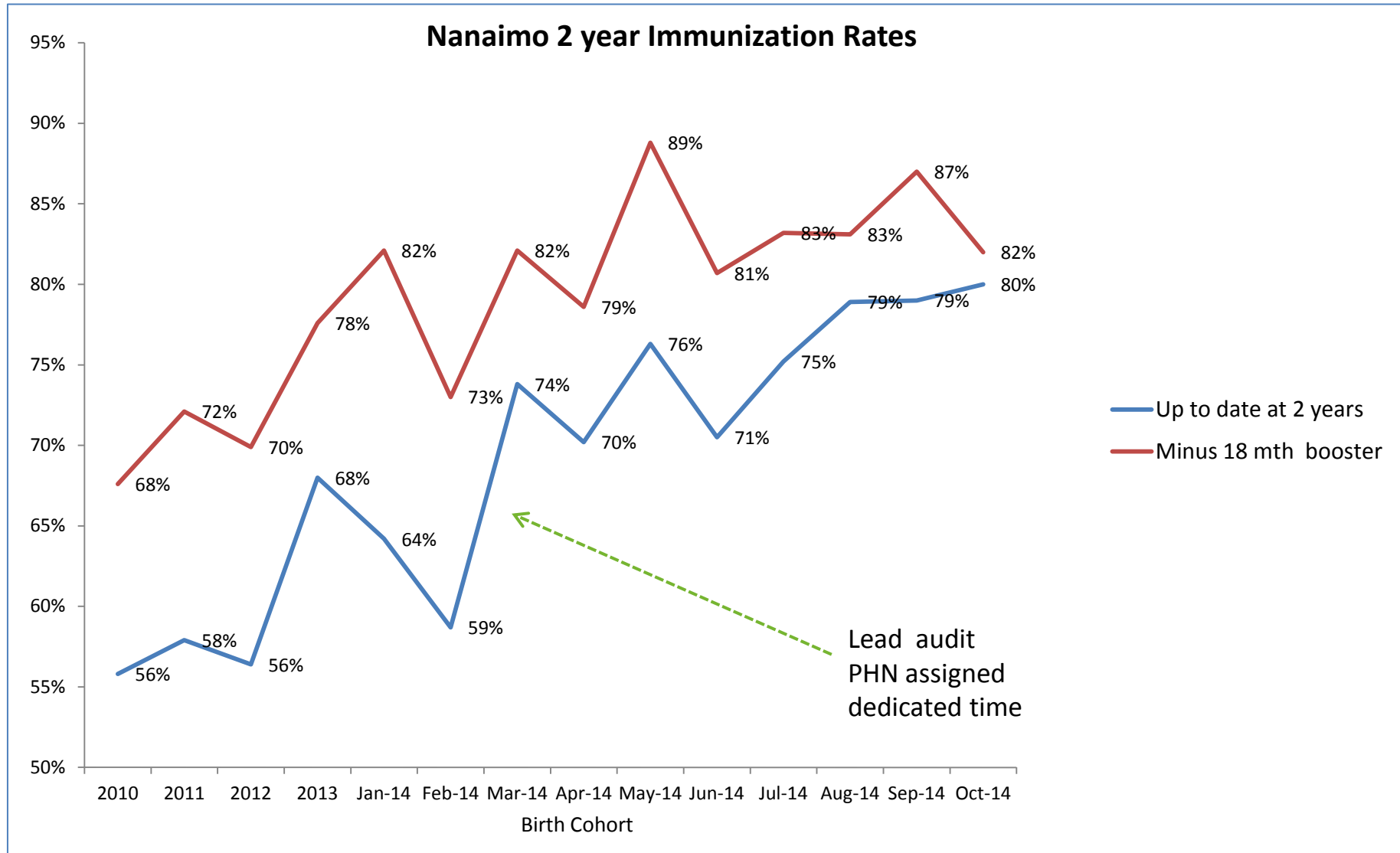
Reminder and Recall

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



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**

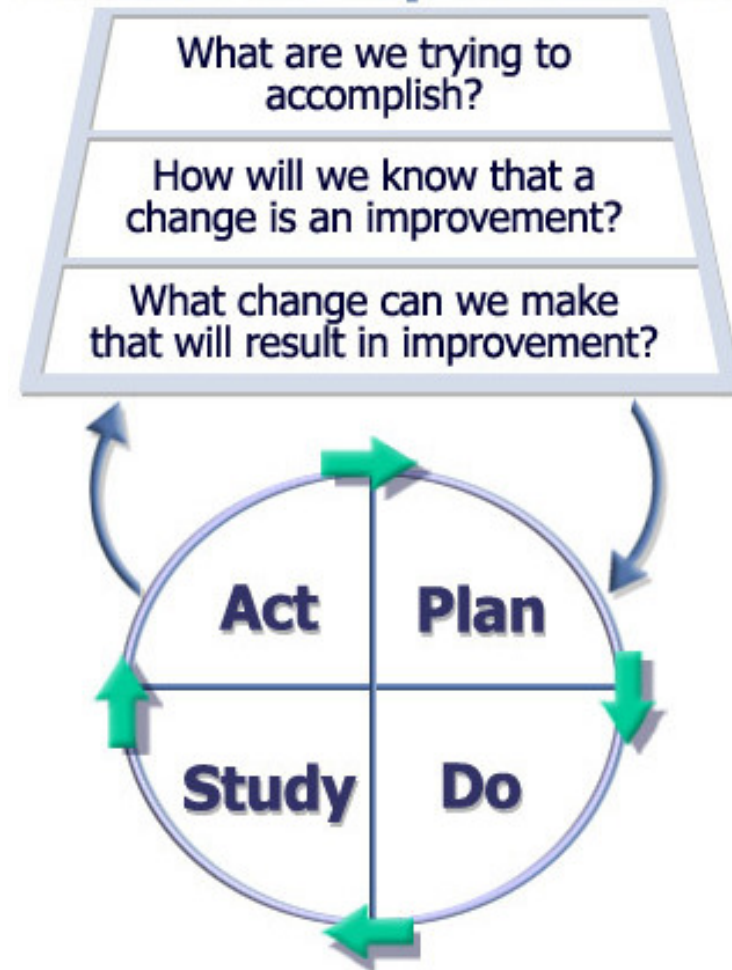
Grade 6 and 9 Coverage

- 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

Model for Improvement



Contact Information

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