

Childhood Immunizations

Web Ex Training
Tuesday, April 19, 2011



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Agenda



- ***Measure Definition and Logic***
- ***2010 and Q2 2011 GPRA results***
- ***2010 and Q2 2011 GPRA results by vaccine***
- ***Immunization package reports and results***
- ***Reasons for low rates***
- ***Strategies for improvement***
- ***Questions and answers***

GPRA Measure Logic



Denominator: User Population patients active in the Immunization Package who are 19-35 months at the end of the report period

Numerator: Patients who received the 4:3:1:3:3:1:4 combination (4DTaP, 3 Polio, 1 MMR, 3 HiB, 3 Hepatitis B, 1 Varicella, 4 Pneumococcal*), including medically related contraindications and evidence of disease

*4 Pneumococcal vaccines added to series in FY 2011

Important Note!



- You must be using the Immunization Package and maintaining the active/inactive status field in order to have patients in your denominator for this GPRA measure.
- Immunization package v8.4 offers a scan function that searches the RPMS Patient Database for children who are less than 36 months old and reside in GPRA communities for the facility and automatically enters them into the Register with a status of Active.
 - Sites can run this scan at any time
 - Children already in the Register or residing outside of the GPRA communities will not be affected.
 - Use the following menu options to scan RPMS: IMM → MGR → SCN

2010 GPRA Result & 2011 Target



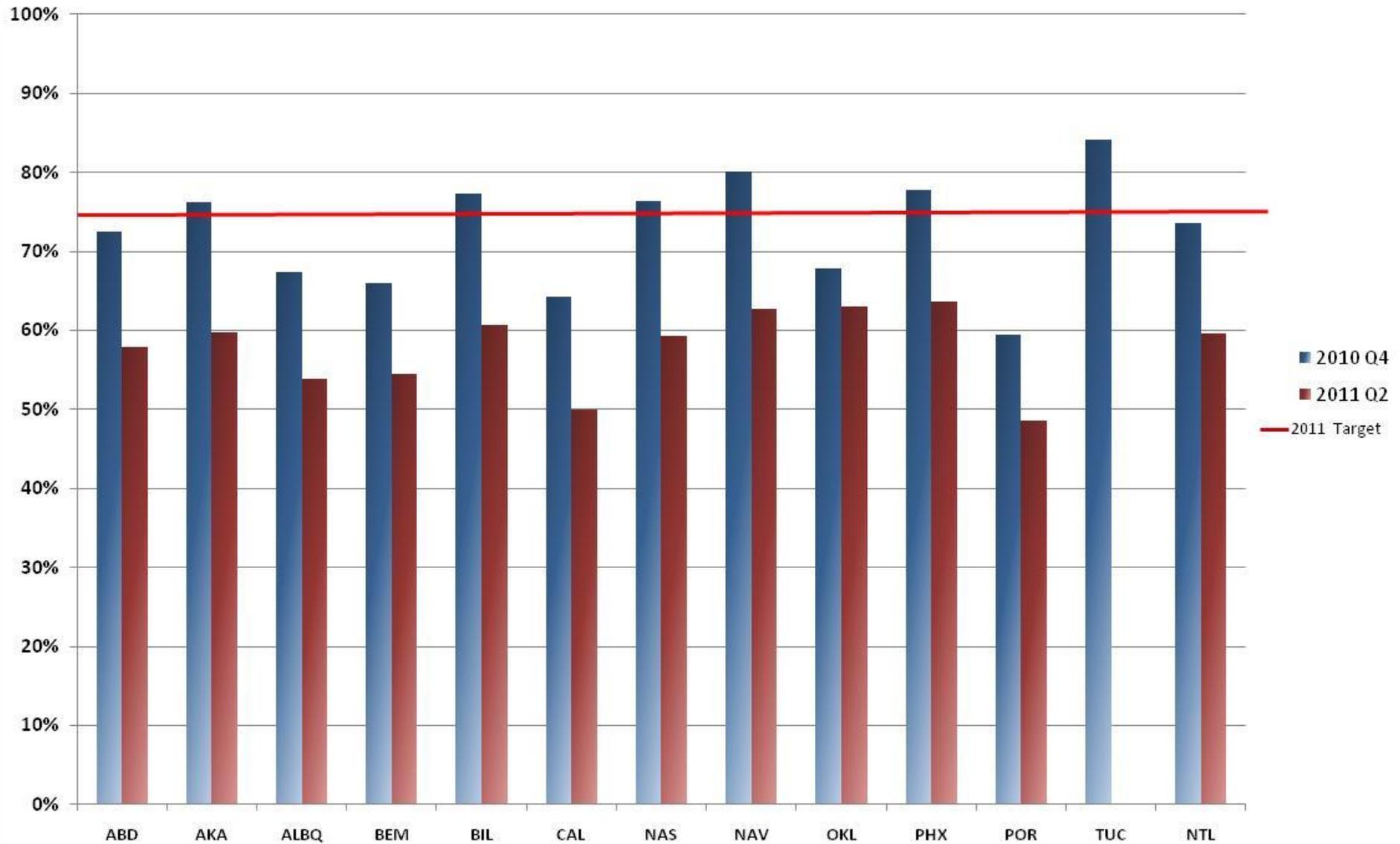
Measure	National 2010 Q2 Result 431331	National 2010 Result¹ 431331	National 2010 Result² 4313314	National 2011 Q2 Result 4313314	2011 Target 4313314	Difference³
Childhood IZ	59%	79%	74%	59.6%	74.6%	15.0%

¹431331 series was the official GPRA measure for FY 2010

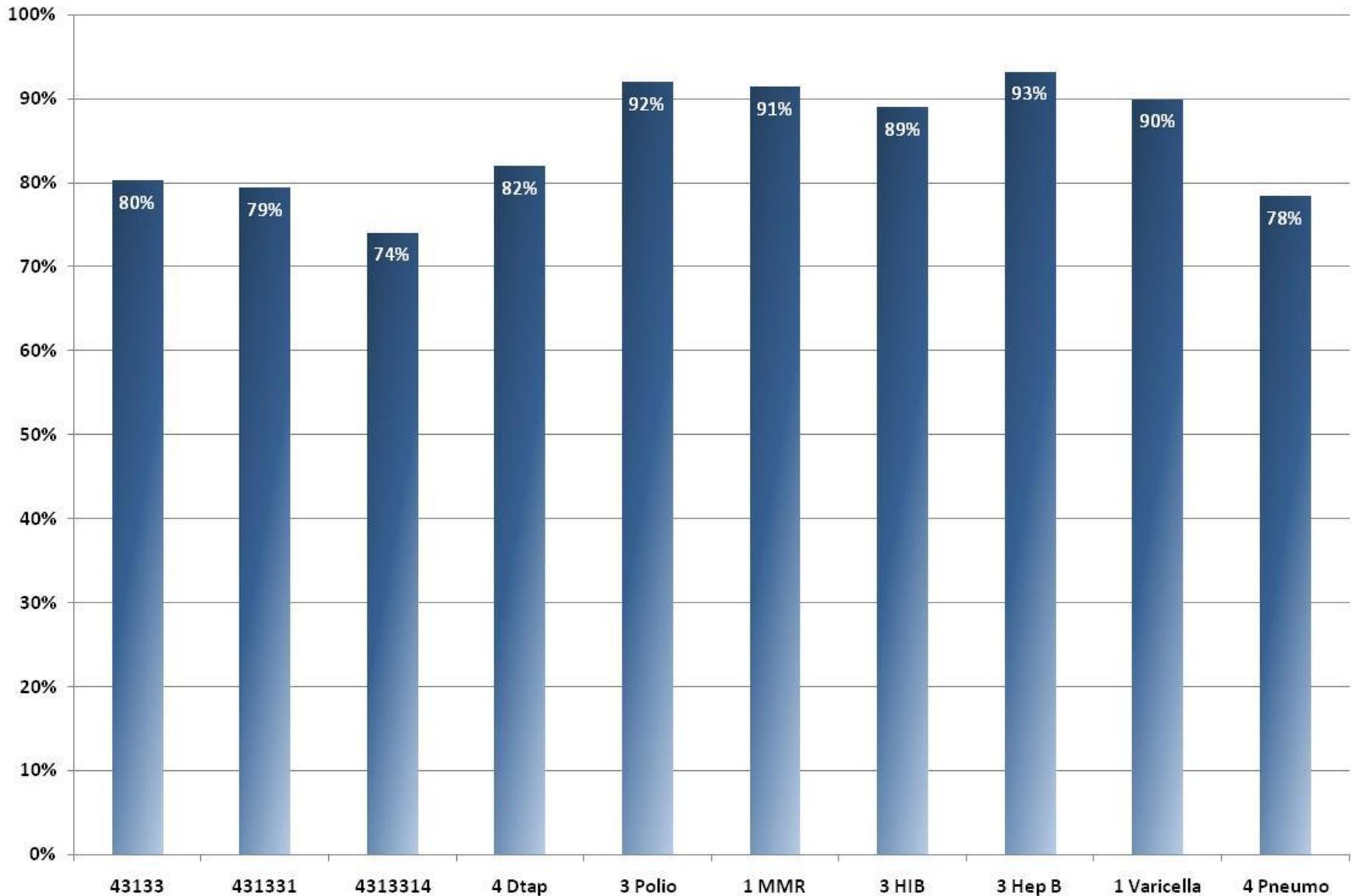
²4313314 series was a developmental measure for FY 2010, but is the official GPRA measure for FY 2011

³Difference shown is between the 2011 Q2 result and the 2011 Target

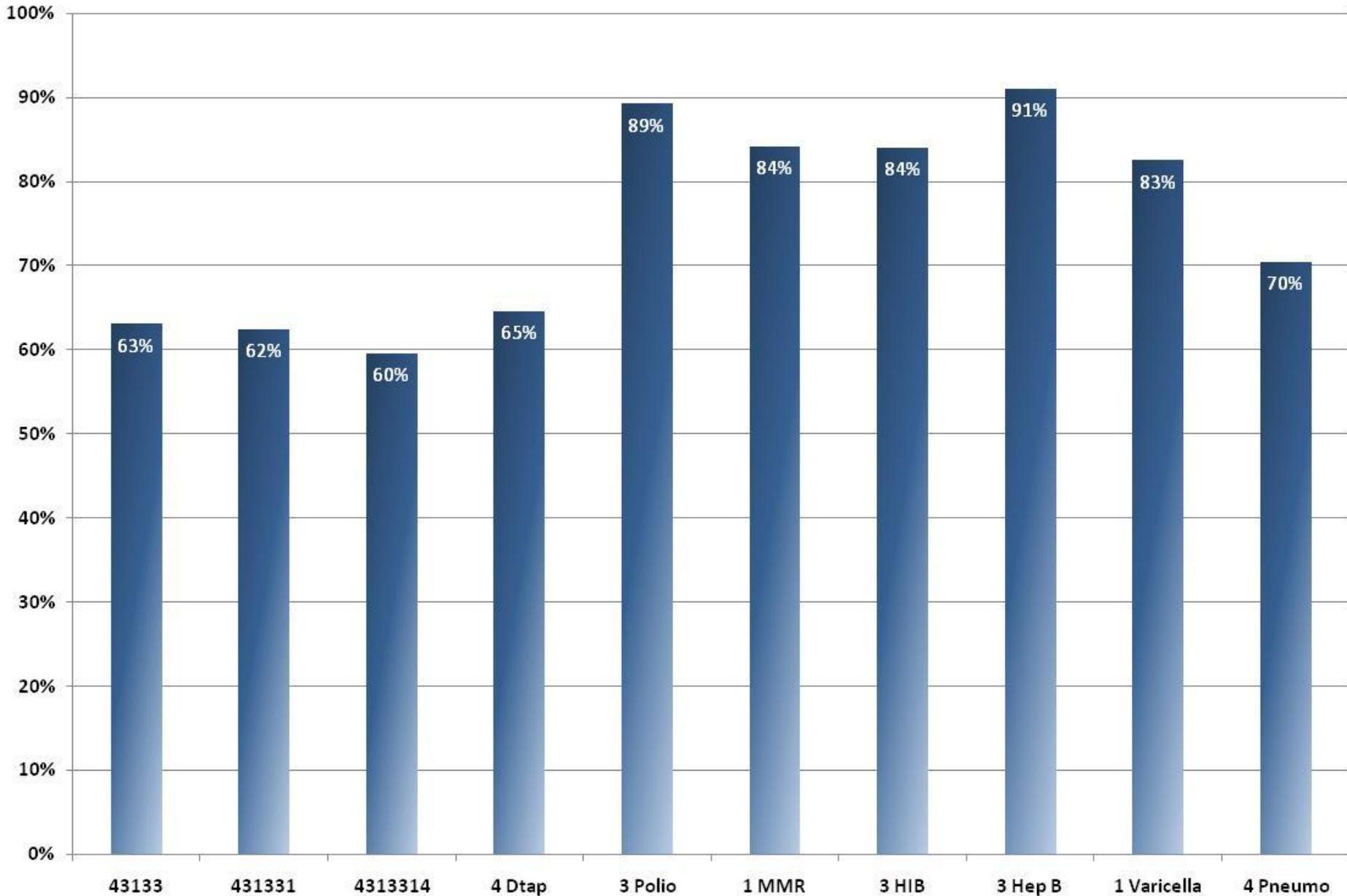
4313314 Childhood Immunization Results by Area (GPRA) (2010 Q4 and 2011 Q2)



2010 Q4 National Childhood Immunization Results by Vaccine (GPRA)



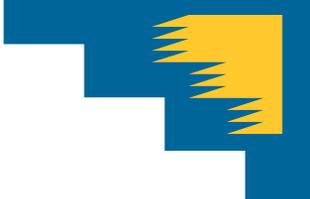
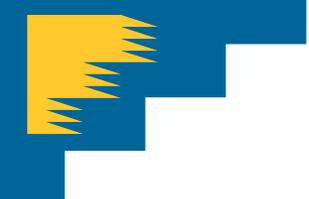
2011 Q2 National Childhood Immunization Results by Vaccine (GPRA)



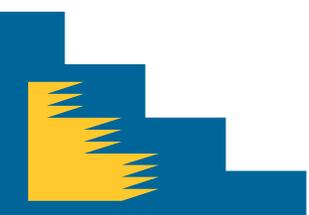
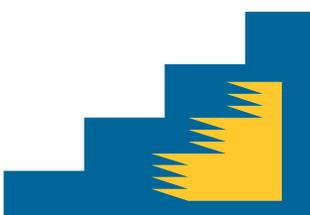


Childhood Immunizations: Protecting children from disease





Achieving the Goal

- The GPRA childhood immunization goal is about protecting children from potentially deadly vaccine preventable diseases
 - Every child who does not meet the goal is a child who is unprotected
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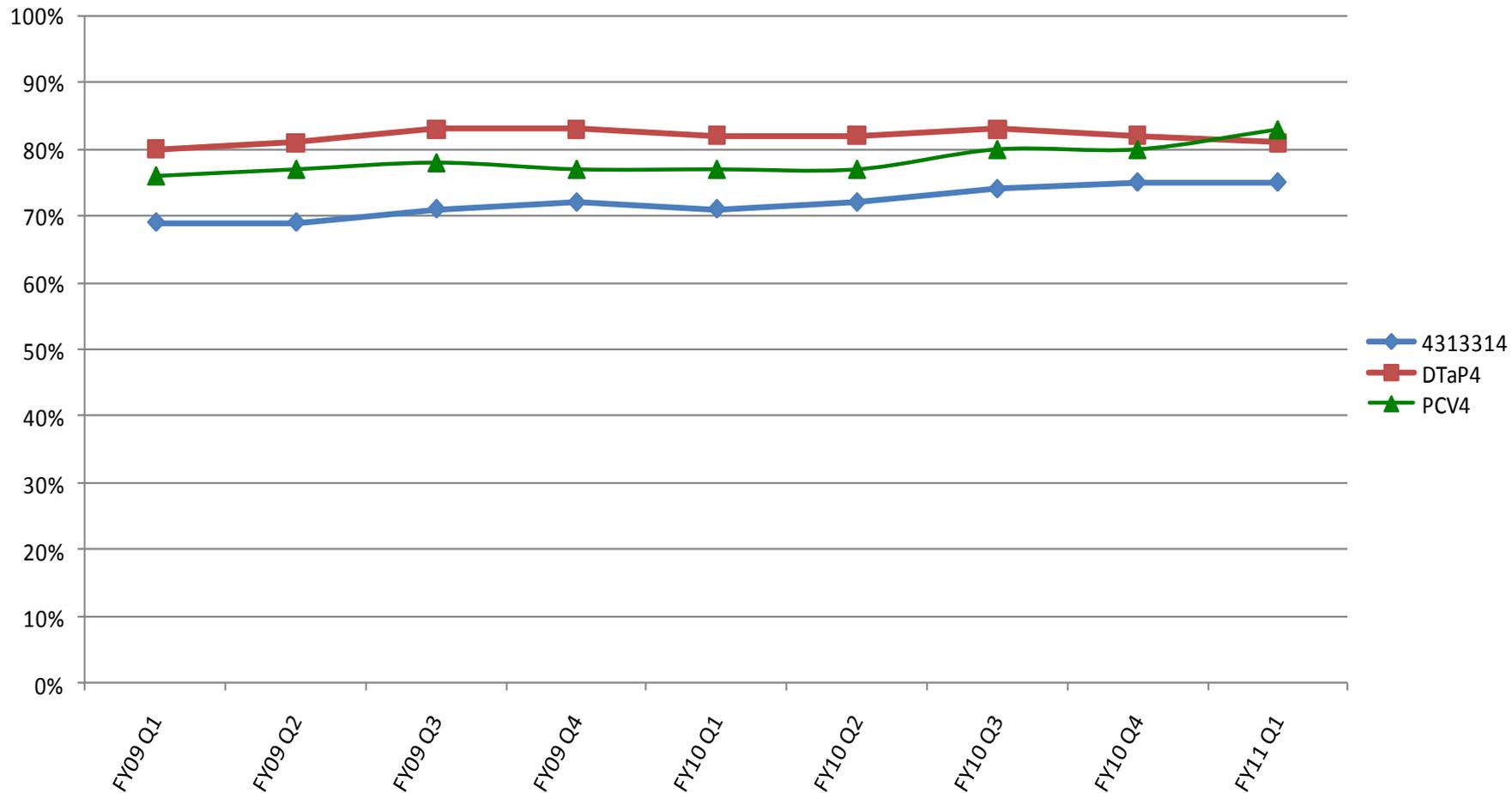
CRS vs. Immunization Package Reports

- Same data source (RPMS data)
- Main difference is time period
 - CRS – children 19-35 months AS OF JUNE 30th
 - Immunization reports – children 19-35 months the day the report is run
 - CRS December (mid year) reports includes children NOT YET 19-35 months
 - Immunization report for December includes children who are currently 19-35 months

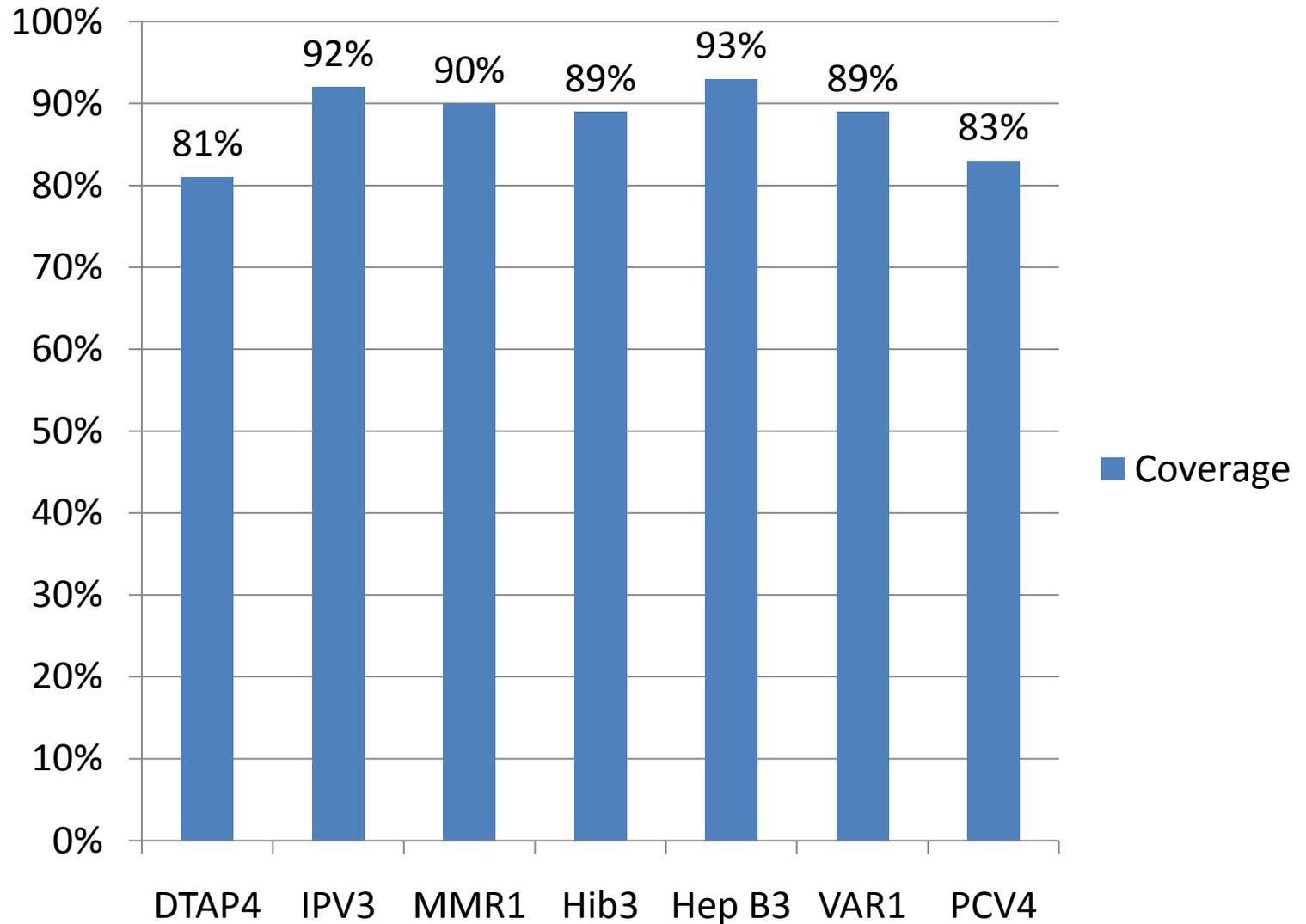
Immunization Package 2 year old report

4313314 Coverage

2009 - 2011

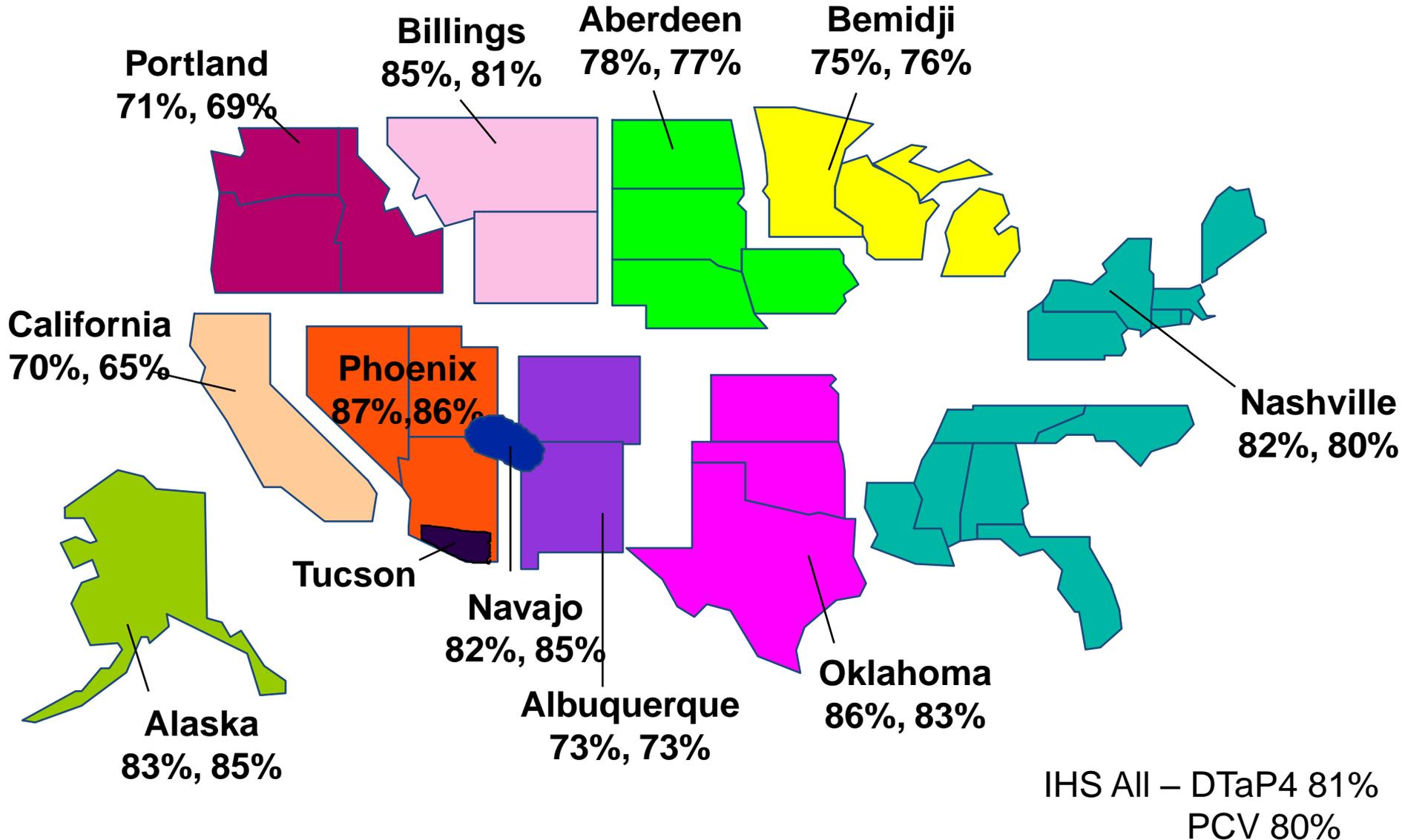


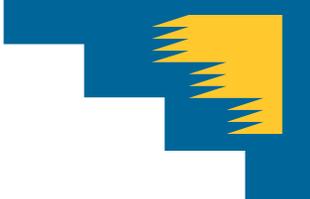
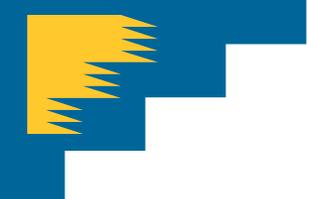
2 year old coverage by vaccine FY 2011 Quarter 1



DTaP4 and PCV4 Coverage

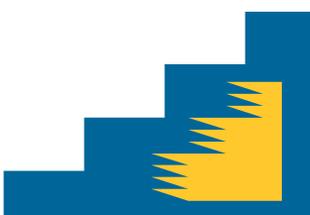
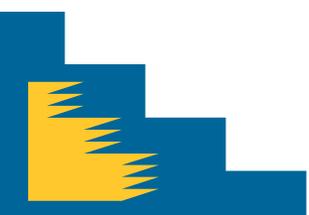
Quarterly Immunization Reports Dec. 31st 2010

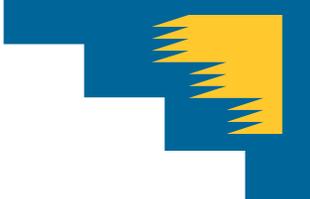
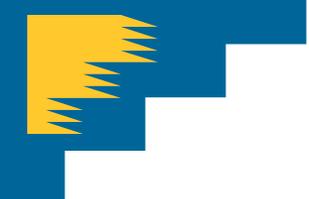




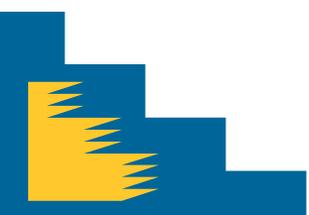
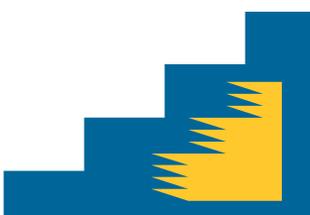
Tools in the RPMS Package

3-27 Month Report





3-27 month old report

- Allows real-time monitoring of immunization coverage
 - Identifies children falling behind while there is still time to do something about it!
 - High coverage in 3-27 month old report = High 2 year old coverage = High GPRA measure coverage
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3-27 month old report

UNSPECIFIED Medical Center
 Quarterly Immunization Report
 For Children 3-27 Months of Age
 30-Sep-2007

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 Facility: UNSPEC MED CTR

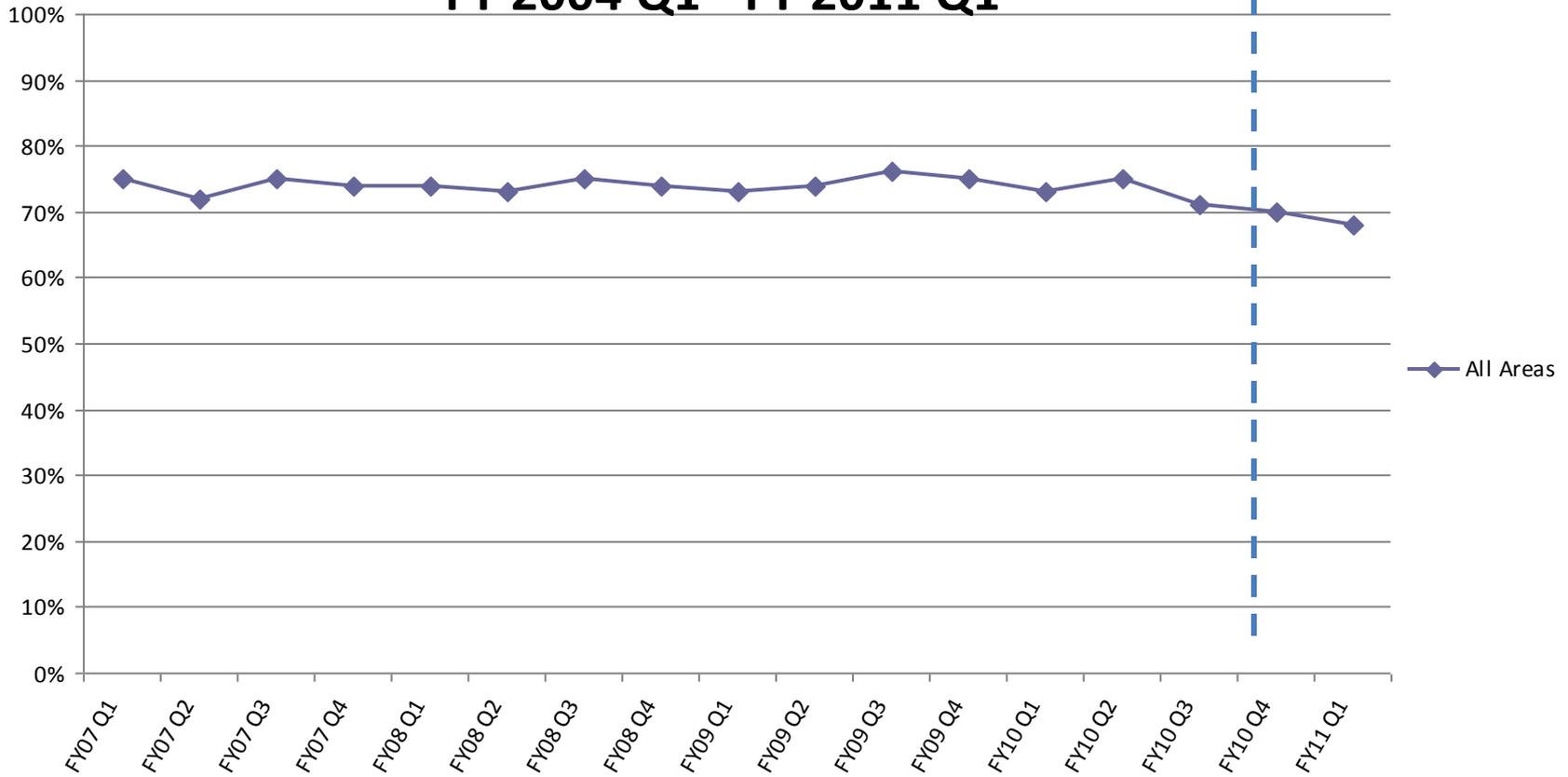
	Age in Months						Totals	
	3-4	5-6	7-15	16-18	19-23	24-27		
# in Age	138	138	587	190	275	271	1599	
Minimum Needs	1-DTaP 1-POLIO 1-HIB 1-HEPB	2-DTaP 2-POLIO 2-HIB 2-HEPB	3-DTaP 2-POLIO 2-HIB 2-HEPB	3-DTaP 2-POLIO 3-HIB 2-HEPB 1-MMR	4-DTaP 3-POLIO 3-HIB 3-HEPB 1-MMR	4-DTaP 3-POLIO 3-HIB 3-HEPB 1-MMR		
Approp. for Age	119 86%	101 73%	458 78%	148 78%	186 68%	217 80%	1229 77%	
1-DTaP	119	126	539	179	258	259	1480	
2-DTaP	28	102	515	170	248	253	1316	
3-DTaP		25	463	160	237	248	1133	
4-DTaP			15	68	190	222	495	
1-POLIO	120	126	538	178	257	258	1477	
2-POLIO	28	101	512	169	243	252	1305	
3-POLIO		26	459	158	228	243	1114	
1-MMR			168	154	238	247	807	
1-HIB	120	126	538	178	258	260	1480	
2-HIB	27	102	506	171	243	253	1302	
3-HIB			181	149	223	236	789	
4-HIB			6	10	16	26	58	
1-HEPB	128	133	548	182	262	264	1517	
2-HEPB	101	125	521	176	249	252	1424	
3-HEPB	19	77	456	166	236	244	1198	
1-VAR			141	139	215	226	721	
1-HEPA				1	1	134	136	
2-HEPA						1	1	
1-PNE	118	126	533	177	252	256	1462	
2-PNE	26	99	506	167	238	250	1286	
3-PNE		25	405	131	214	234	1009	
4-PNE			7	24	111	132	274	
1-ROTA	118	126	533	177	252	256	1462	
2-ROTA	26	99	506	167	238	250	1286	
3-ROTA		25	405	131	214	234	1009	
Total Patients included who had Refusals on record							14	

Age Appropriate Immunization Coverage

3 - 27 months

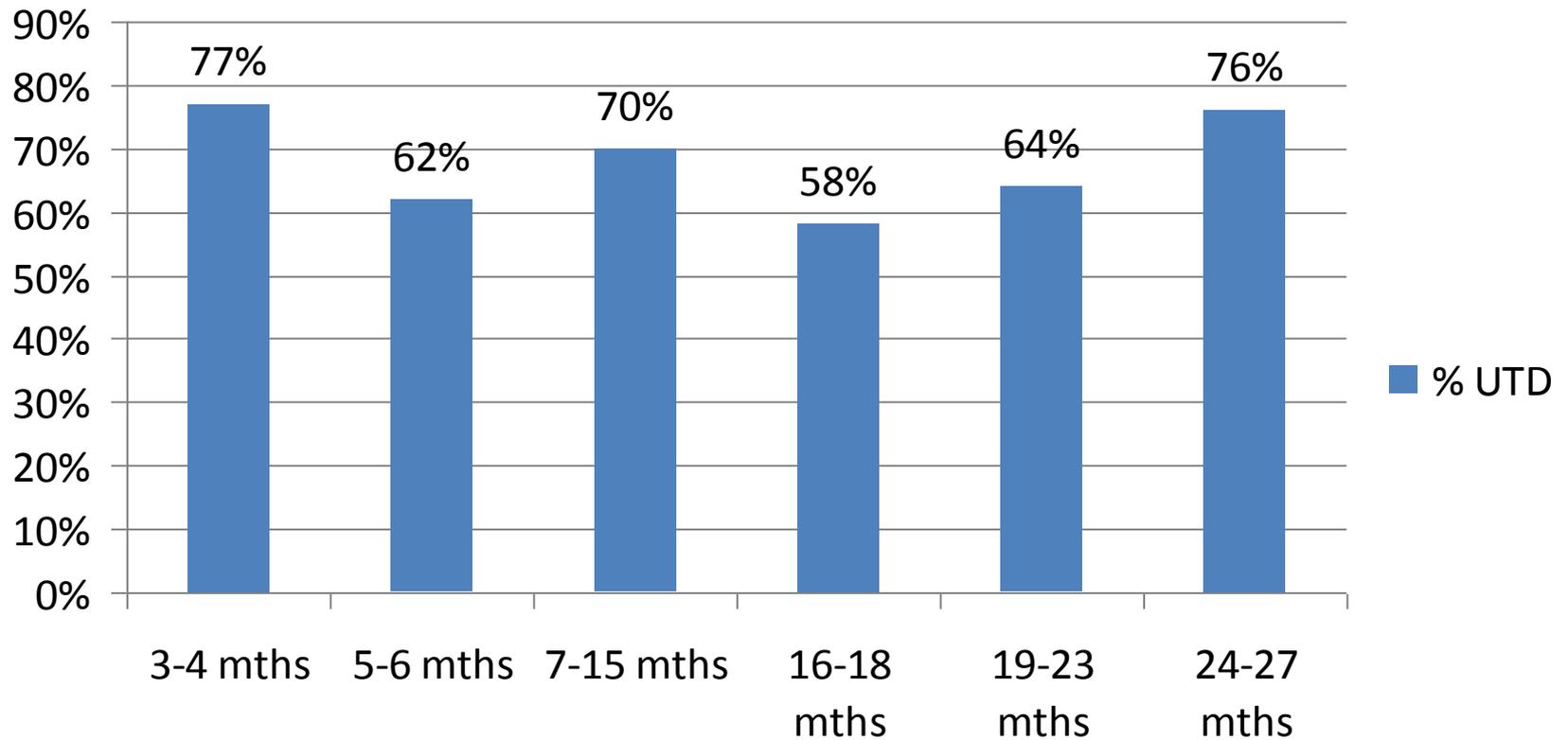
FY 2004 Q1 - FY 2011 Q1

Inclusion of VAR and PCV to report

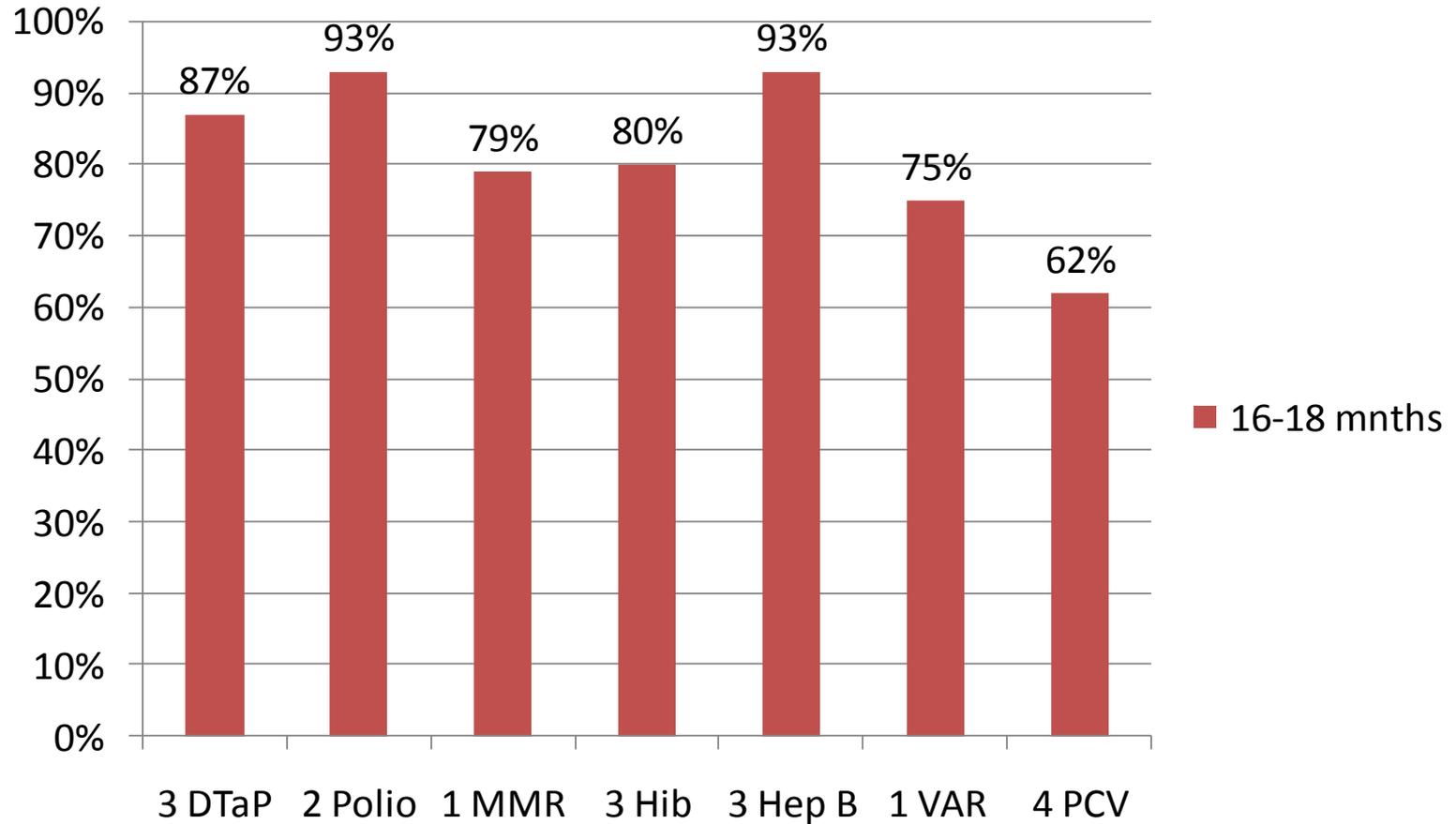


Coverage by Age Group FY 2011 Q1

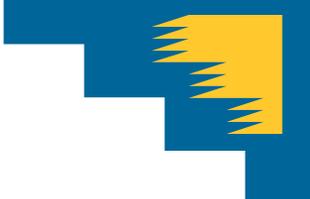
% UTD



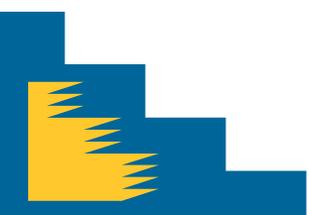
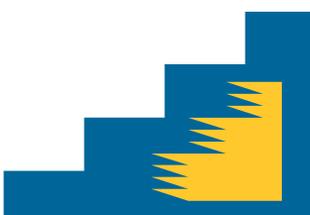
Coverage by Vaccine



16-18 mnths – 3 DTaP, 2 Polio, 3 Hib, 2 Hep B, 1 MMR, 4 PCV

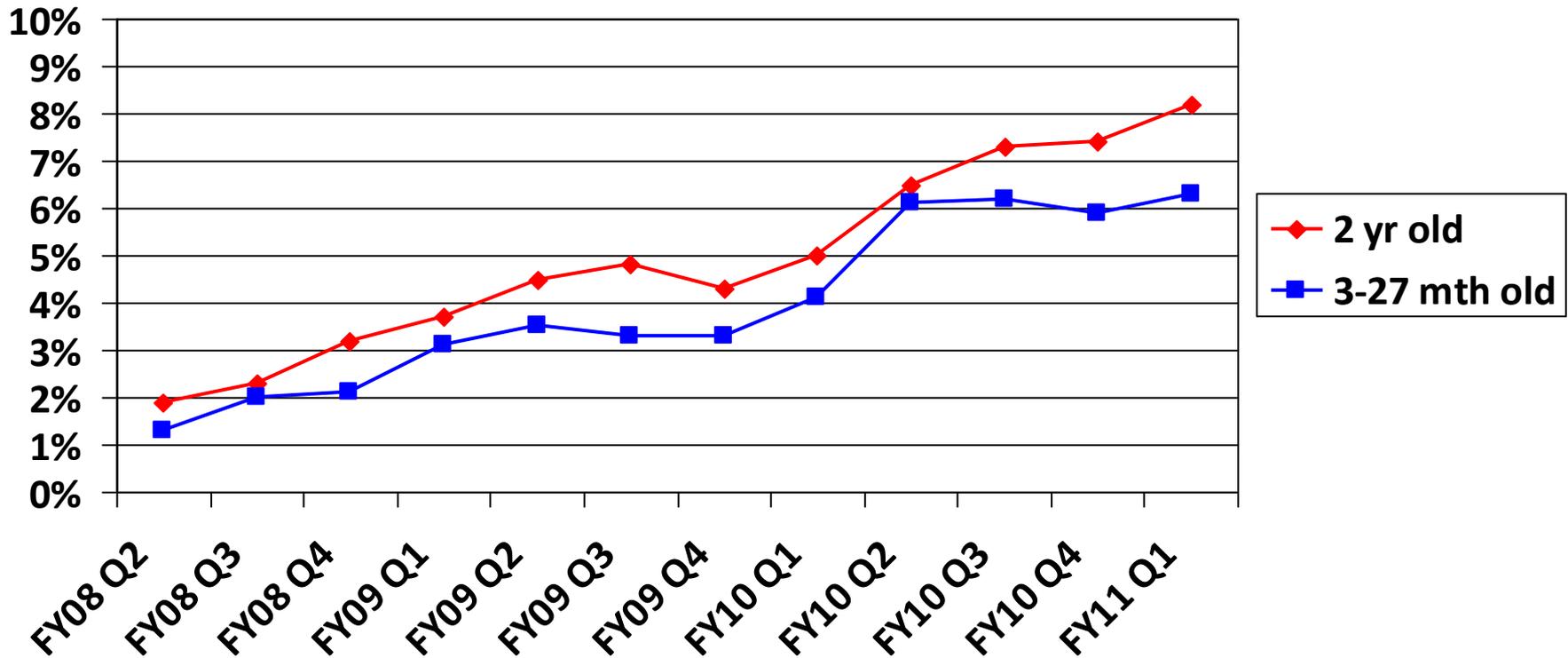


Reasons for low coverage

- Children starting PCV late (may not need 4 doses)
 - Waiting until 15 months to forecast DTaP and PCV
 - Increase in refusals?
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Refusals

FY 2008 – FY 2011



Strategies to Improve Coverage

- Review the data!
 - Run the 3-27 month report regularly
- Review forecasting option
 - e.g. forecasting vaccines at 12 months
- Utilize Reminder/Recall
 - Letters in RPMS
 - FREE Pfizer-sponsored Postcard/Phone reminder program
 - For more info, view webcast at:
<https://televox.webex.com/televox/lsr.php?AT=dw&SP=MC&rID=59995287&rKey=b7cfbbc17678ffa6>
- Parent Education

Forecasting Options

Training DB - TNVPlus
Session Edit View Commands Script Help

* SELECT FORECASTING OPTIONS *

Versions 1, 3, 5 and 11 forecast the first vaccines series at 6 wks; the others beginning at 2 mths. All versions forecast Rotavirus at 2 (6 wks), 4, and 6 mths, and Influenza between Sept 15 and March 15 for infants 6 months-18 years (or all ages). Options 3,4 & 6 forecast Hep A starting at 12 months, while options 1,2,5 and 11 forecast Hep A at 15 months. Option 11 does not forecast Hep A or Hep B in persons over 18 years, regardless of prior doses. All options forecast Tdap, MCV4, and HPV for adolescents per ACIP recs.

Please select an Option below by entering the its corresponding number:

Option	6 Mths	12 Mths	15 Mths
1) ...	IPV	Hib, MMR, Pn, Var	DTaP, HepA
2)	Hib, IPV, MMR, Pn, Var	DTaP, HepA
3) ...	IPV	DTaP, Hib, MMR, Pn, Var, HepA	
4)	DTaP, Hib, IPV, MMR, Pn, Var, HepA	
5) ...	IPV	Hib, MMR, Var	DTaP, Pn, HepA
6) ...	IPV	Hib, MMR, Var, HepA.....	DTaP, Pn
11) ...	IPV	Hib, MMR, Pn, Var	DTaP, HepA

Select Forecasting Rules: 3// █

Resources

- Quarterly Immunization Reports
 - <http://www.ihs.gov/NonMedicalPrograms/ihpes/immunizations/index.cfm?module=immunizations&option=home>
- Vaccine Resources
 - Children's Hospital of Philadelphia
<http://www.chop.edu/service/vaccine-education-center/home.html>
 - CDC
<http://www.cdc.gov/vaccines/ed/patient-ed.htm>