Vaccine Coverage NIRS Reporting, Tracking, and Coverage Rates

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Aug 2023

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OBJECTIVES

o Access and enter data through the National Immunization Reporting System

o Use the RPMS report to generate their Immunization coverage data for NIRS, accounting for the difference in the RPMS reports and the NIRS report.

o Generate Area and National level coverage data from NIRS

o Identify endeavors underway that could impact access to Area and facility-level coverage data.

o Summarize the current status of immunization coverage rates for IHS.

The National Immunization Reporting System (NIRS) is...

o A web-based reporting system for collecting immunization coverage data

o Stand-alone system - separate from RPMS

o Requires manual data entry

  o Quarterly data entry

  o Aggregate coverage data

o Generate canned reports

DATA REPORTING PROCESS

o Each facility generates immunization reports every quarter.

  o From RPMS or using the non-RPMS reporting form

o The facility logs into NIRS.

o The facility enters data from the immunization reports into NIRS.

o Reports are automatically aggregated for the Area and National reports.

  o Everyone can see Area level and National reports.

  o Each facility can see their own data, but not data from other facilities.

ACCESS to NIRS: STEP 1

To REGISTER:

1. Go to https://www.ihs.gov/NonMedicalPrograms/ihpes/immunizations/index.cfm?module=immunizations&option=home

2. Click on "Register" link (top left corner).

Fill out required information.

Create User name and password. **(REMEMBER THIS!)**

Password must be at least 8 characters long with at least one capitalized alphabetical character, one numerical character and one special character.

Must change password every 60 days.

ACCESS TO NIRS: STEP 2

o AFTER you have Registered:

- o Send an e-mail with your facility name to your Area Immunization Coordinator to request access.

  - o [List of Area Immunization Coordinators go to the Division of Epidemiology and Disease Prevention – Immunization website](#)

- o You CAN NOT enter data into NIRS until access has been assigned

To LOGIN to NIRS:

Login

1. Go to
https://www.ihs.gov/NonMedicalPrograms/ihpes/immunizations/index.cfm?module=immunizations&option=home

2. Click on the "Login" link (top left corner).

3. Enter your username and password.

   If you forgot your password, click "Forgot".

   You will receive an email from IHSWebAccountAdmin to reset your password.

   Your new password can be used immediately.

4. Click on the "Return" link to get back to the Main page.

   On the left hand menu you should now see links for the data entry forms –
   e.g. 3 to 27 Month Old Form, Two Year Old Form, etc.

NIRS DATA ENTRY

- **To *ENTER* data into NIRS:**

  1. Generate your facility's immunization reports

  2. Log into NIRS

  3. Select data entry link (left side menu)
     - e.g. "3 to 27 Month Old Form"

  4. Select Facility
     - Will default to the facility which you have been assigned access

  5. Select Report Period
     - Will default to the current reporting period

National Immunization Reporting System

Report Due Dates:

Reports are due 3 weeks after the quarter ending date.

1st quarter reports due January 21.
2nd quarter reports due April 21.
3rd quarter reports due July 21.
4th quarter reports due October 21.

You will not be able to add or change data for your report after this time.

3 to 27 Month Old Form - Options	
Facility:	Select IHS Facility ▾
Report Period:	FY 2021 - 2nd Qtr: January 1, 2021 - March 31, 2021 ▾ GO

1. Select the desired IHS Facility.
2. Select the appropriate Report Period.
3. Click on the GO button to bring up the requested entry form.

NIRS DATA ENTRY CONT'D…

- Ideally, data entry screens mirror RPMS immunization reports and non-RPMS report forms.

- Instructions for running each immunization report in the RPMS Immunization Package are located at the top of the data entry form

- Enter data into the pink shaded boxes for each specific vaccine and vaccine combination group, for each age group

- Error checking function
  - Immediate error pop-up box message will appear
  - Errors will be listed at the top of the data entry screen
  - Boxes with errors will be highlighted red

- Blanks and Zero's
  - Cannot leave a data entry box blank
  - A "0" (zero) can be entered in data entry boxes

NIRS DATA ENTRY CONT'D…

o RPMS required questions

   o Do you use RPMS?   Yes / No

   o Is the report data you are using to fill out this form generated from the RPMS Immunization Package?   Yes / No

o Once data entry is complete, click "Submit Immunization Data"

   o A box will appear stating that your report has been submitted successfully

   o You can submit partial reports – NIRS will save valid data and you can return at a later time to complete the report

From RPMS Reports to NIRS

IMMUNIZATION DATA REPORTED

o RPMS Immunization Reports :

   o 3–27 month-old report

   o Two-year-old report

   o Adolescent report

   o Adult report

o 1st and 2nd quarter only

   o Influenza report

   o HealthCare Personnel Influenza vaccination report

      o See the following website for guidance, document and excel spreadsheet

         • https://www.ihs.gov/flu/healthcarepersonnel/

Adult Report

RPMS Adult Report	Total Patients
Total Number of Patients 19 years and older	1388
TETANUS: # patients Tdap Ever	1232
TETANUS: # patients Tdap Ever AND (Td or Tdap in past 10 years)	793
Total Number of Patients 19 -59	964
HEP B: # patients - Series initiated	19
HEP B: # patients - Dose 2 initiated	27
HEP B: # patients - Series completed	574
Total # Patients age 19-26	191
HPV: # patients - Series initiated	19
HPV: # patients - Dose 2 initiated	11
HPV: # patients - Series completed	132
Total Number of Patients 50 years and older	658
SHRINGRIX: # patients Seris initiated	55
SHRINGRIX: # patients Seris completed	305
Total Number of Patients 19-64	1080
PCV13 and PPSV23: # patients fully vaccinated	18
PCV20: # patients fully vaccinated	0
PPSV23 and PCV15: # patients fully vaccinated	0
Total Number of Patients 65 years and older	283
TETANUS: # patients w/Td/Tdap in past 10 years	151
PCV13 and PPSV23: # patients fully vaccinated	168
PCV20: # patients fully vaccinated	1
PPSV23 and PCV15: # patients fully vaccinated	0
Total Patients included who had Refusals on record	834
Total Number of Patients ages 19 through 49 years	730
Received 1 dose of Tdap ever	641
Received 1 dose Tdap or Td <10 years	430
Received 1 dose of Tdap ever AND Tdap or Td <10 years	429
Received HEP B Series complete	491
Received ALL of the above (appropriately vaccinated)	305

NIRS Adult Report	Total Patients
Total Number of Patients 19 years and older	1388
TETANUS: # patients w/Td in past 10 years	793
TETANUS: # patients w/Tdap in past 10 years	1232
Total Number of Patients 19 -59	BLANK
HEP B: # patients - Series initiated	BLANK
HEP B: # patients - Dose 2 initiated	BLANK
HEP B: # patients - Series completed	BLANK
HPV: Total # Female patients age 19-26	191
HPV: # Female patients age 19-26 w/HPV1	132
HPV: # Female patients age 19-26 w/HPV2	132
HPV: # Female patients age 19-26 w/HPV3	132
HPV: Total # Male patients 19-21	0
HPV: # Male patients age 19-21 w/HPV1	0
HPV: # Male patients age 19-21 w/HPV2	0
HPV: # Male patients age 19-21 w/HPV3	0
Total Number of Patients 60 years and older	658
ZOSTER: # patients w/Zostavax ever	305
Total Number of Patients 19-64	BLANK
PCV13 and PPSV23: # patients fully vaccinated	BLANK
PCV20: # patients fully vaccinated	BLANK
PPSV23 and PCV15: # patients fully vaccinated	BLANK
Total Number of Patients 65 years and older	283
TETANUS: # patients w/Td in past 10 years	151
PNEUMOVAX: # patients w/Pneumovax at or over 65 yrs	168
PNEUMOVAX: # patients w/Pneumovax ever	168
Total Patients included who had Refusals on record	834
Total Number of Patients ages 19 through 59 years	730
Received 1 dose Tdap ever	641
Received 1 dose Tdap or Td <10 years	BLANK
Received 1 dose Tdap ever AND Tdap or Td <10 years	BLANK
Received HEP B Series complete	BLANK
Received ALL of the above (appropriately vaccinated)	BLANK

Adult Report

RPMS Adult Report				NIRS Adult Report	
Total Number of Patients ages 50 through 59 years	234				BLANK
Received 1 dose of Tdap ever	211				BLANK
Received 1 dose Tdap or Td <10 years	130				BLANK
Received 1 dose of Tdap ever AND Tdap or Td <10 years	130				BLANK
Received HEP B Series complete	83				BLANK
Received Shingrix Series complete	72				BLANK
Received ALL of the above (appropriately vaccinated)	27				BLANK
Total Number of Patients ages 60 through 65 years	166			Total Number of Patients ages 60 through 64 years	166
Received 1 dose of Tdap ever	144			Received 1 dose of Tdap ever	BLANK
Received 1 dose Tdap or Td <10 years	98			Received 1 dose Tdap or Td <10 years	BLANK
Received 1 dose of Tdap ever AND Tdap or Td <10 years	98			Received 1 dose of Zoster ever	BLANK
Received Shingrix Series complete	75			Received Tdap ever AND Tdap/Td <10 years AND Zoster	75
Received ALL of the above (appropriately vaccinated)	57				BLANK
Total Number of Patients 66 years and older	258			Total Number of Patients 65 years and older	258
Received 1 dose of Tdap ever				Received 1 dose of Tdap ever	BLANK
Received 1 dose Tdap or Td <10 years				Received 1 dose Tdap or Td <10 years	BLANK
Received 1 dose of Tdap ever AND Tdap or Td <10 years				Received 1 dose of Zoster ever	BLANK
Received Shingrix Series complete				Received 1 dose of Pneumo after 65 yrs OR last 5 yrs	BLANK
				Received Tdap AND Tdap/Td <10 years AND Zoster AND Pneumo	72
Must meet ONE of the following					
Received 1 dose of PCV13 AND 1 dose PPSV23	167				BLANK
Received 1 dose of PCV20	1				BLANK
Received 1 dose of PCV15 AND 1 dose of PPSV23	0				BLANK
Received 1 of the above - fully vaccinated for Pneum	168				BLANK
Received 1 dose of Tdap AND Tdap/Td <10 years AND Shingrix series complete and 1 dose PCV13 AND 1 dose PPSV23	72				BLANK
Received 1 dose of Tdap AND Tdap/Td <10 years AND Shingrix series complete and 1 dose PCV20	1				BLANK
Received 1 dose of Tdap AND Tdap/Td <10 years AND Shingrix series complete and 1 dose PCV15 AND 1 dose PPSV23	0				BLANK
Met one of the above (fully vaccinated)	73				BLANK
Total Number of Patients 19 years and older	1388			Total Number of Patients 19 years and older	1388
Total Patients 19 years and older appropriately vaccinated per age recommendations	462			Total Patients 19 years and older appropriately vaccinated per age recommendations	462

NON-RPMS REPORTING FORMS

- Non-RPMS reporting forms can be found at the following link, updated every Fiscal Year/Quarter:

  - https://www.ihs.gov/epi/immunization-and-vaccine-preventable-_diseases/statistics-and-reports/

Quarterly Immunization Coverage Reports

The Indian Health Service, Tribal, and Urban Indian immunization programs report on the immunization status of American Indian and Alaska Native (AI/AN) children 3–27 months of age, 19–35 months of age and adolescents 13–17 years and adults. They also report on influenza vaccine coverage for all age groups. These reports are posted on a quarterly basis.

Current Trend Graphs   Quarterly Coverage Reports   Non-RPMS Quarterly Reporting Forms

Non-Resources and Patient Management System (RPMS) Quarterly Reporting Forms. These quarterly reports are for Tribal and Urban programs that do not use the RPMS to report their vaccine coverage to the immunization program.

FY21 Quarter 1 [EXCEL - 41 KB]
FY21 Quarter 2 [EXCEL - 45 KB]
FY21 Quarter 3 [EXCEL - 35 KB]
FY21 Quarter 4 [EXCEL - 35 KB]

Generating a NIRS REPORTS

NIRS REPORTS

1. Go to the NIRS home page
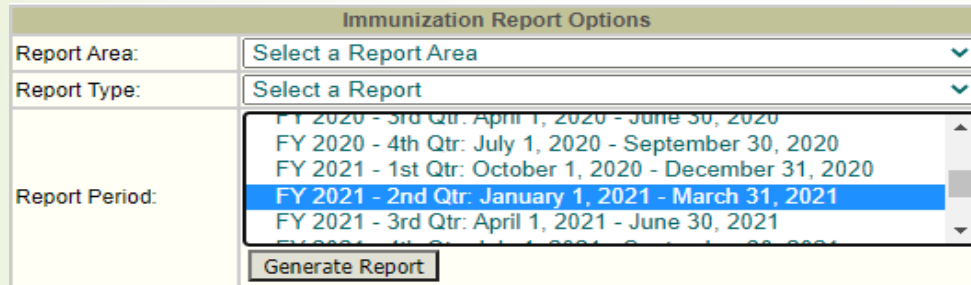
   - https://www.ihs.gov/NonMedicalPrograms/ihpes/immunizations/index.cfm?module=immunizations&option=home

2. Click on "Reports" on the left-hand menu bar

3. Select Report Area

4. Select Report Type – 7 Options (shown below)

Immunization Report Options	
Report Area:	Select a Report Area
Report Type:	Select a Report
	Select a Report
	3-27 Month Old - Quarterly Immunization Report
	Two Year Old - Quarterly Immunization Report
Report Period:	Pediatric Influenza - Annual 3rd Quarter Immunization Report
	Adolescent Report
	HCP Influenza Report
	Influenza Immunizations Report
	Adult Report

NIRS REPORTS CONT…

5. Select Report Period

- Defaults to the current reporting period

- Health Care Personnel (HCP) report period

  - Scroll to the bottom of the drop-down menu and select from "Influenza Data Report Periods

6. Click "Generate Report"

- Each facility can view their own data, but not data from other facilities

NIRS REPORTS CONT...

○ Report Information

  ○ Include a list of facilities at the bottom of the page for each Area

    ○ Facility Name is highlighted orange if you have access to that facility

    ○ "Reported on Date" indicates when a facility submitted a COMPLETE report

FACILITY LEVEL REPORT

o **NIRS**

   o Download to Excel

   o Available only after you log into NIRS

   o Downloads all data for each facility into an excel spreadsheet (1 row per facility)

   o Facilities can download only their data, not data from other facilities

o **Visual Analytics NIRS**

   o A pilot project by the Division of Epidemiology and Disease Prevention to create access to facility-level reports - Stop Gap

o **E3/NIRS OIT Collaboration**

   o Key deliverable is access to facility-level data and report

E3/NIRS OIT Collaboration

o **E3 initiative launched – Nov 2022**

o **E3 goal - Increase vaccine rate and reduce vaccine-preventable illness**

o **E3 outcome measure - Changes in vaccine coverage**

o **E3 initiative data support**

  o **Improve the data that would be used to drive intervention and measure success.**

  o **Improve coverage data reporting/eliminate the burden of reporting**

o **Approach**

  o **Mandatory reporting in NIRS for IHS federal facilities**

  o **Extraction of immunization data from the National Data Warehouse (NDW)**

o **Data extraction project scope**

  o **No new investment in updating NIRS**

  o **Identify and validate ACIP-recommended vaccine records using NDW data**

  o **Create visualization and report capability at the National, Area, and facility level**

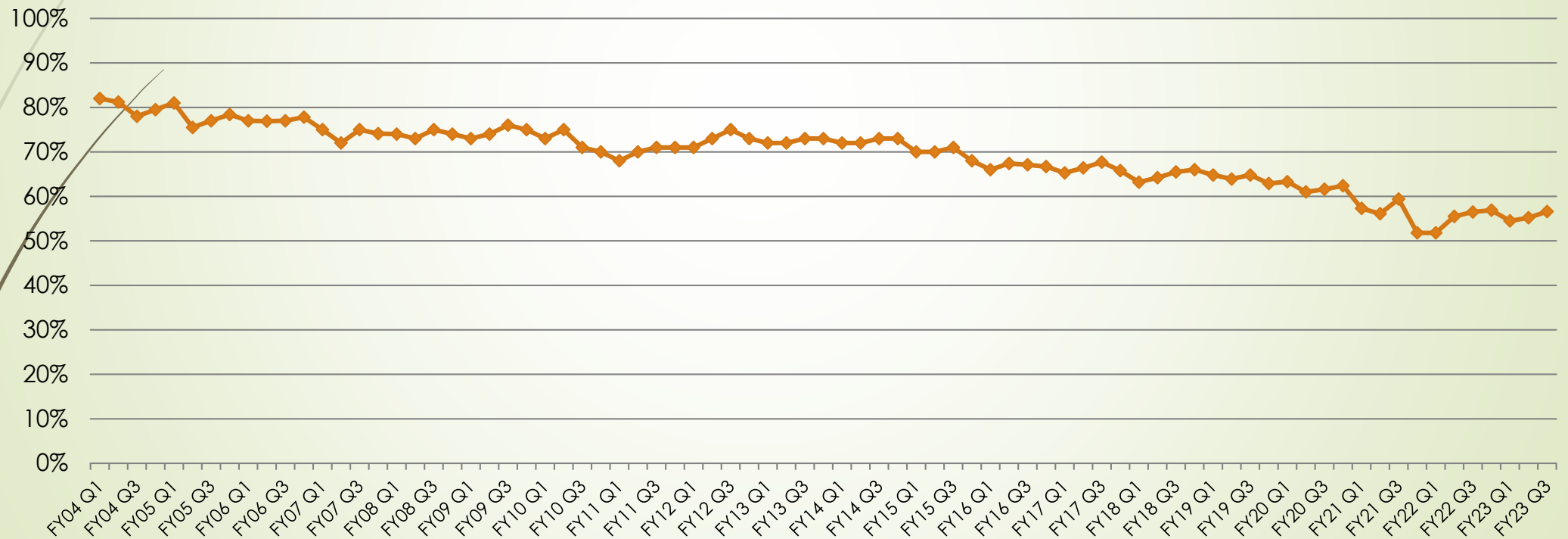 o **Time – Ongoing**

Immunization Coverage Rates

3-27 Month Old NIRS Area Reporting Trend
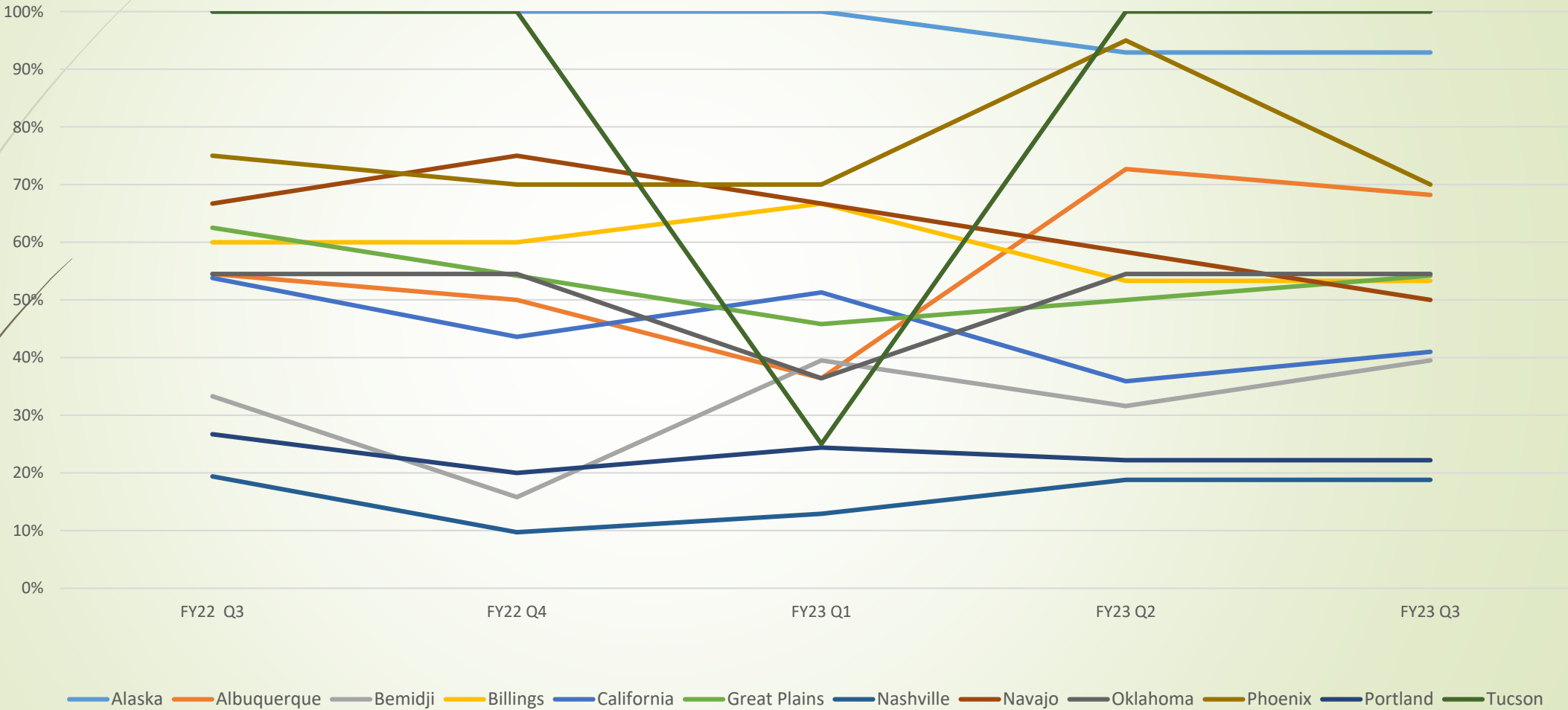
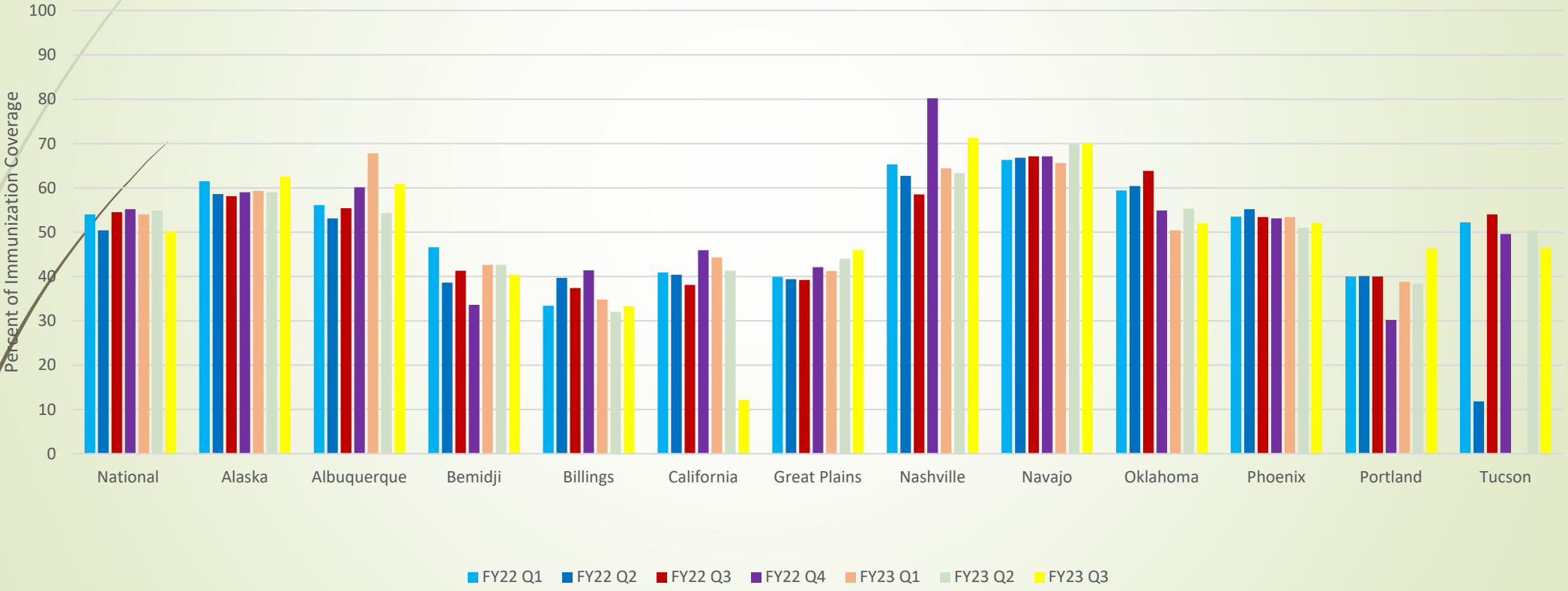# Age Appropriate National Immunization Coverage
3-27 Month Old
FY 2004 Q1 - FY 2023 Q3

National 3-27 month Old
Report FY23 Quarter 3

| Age in Months	Minimum Needed Vacine	Age grp Coverage	DTAP 1	DTAP 2	DTAP 3	DTAP 4	POLIO 1	POLIO 2	POLIO 3	MMR 1	HIB 1	HIB 2	HIB 3	HEP B 1	HEP B 2	HEP B 3	HEP A 1	PCV 1	PCV 2	PCV 3	PCV 4	VAR 1
24-27	4 DTaP, 3 POLIO, 3 HIB, 3 HEPB, 4 PCV, 1 MMR, 1 VAR	54.80%				61.10%			78.20%	79.50%			75.40%			82.20%	76.20%			67.50%		77.70%
19-23	4 DTaP, 3 POLIO, 3 HIB, 3 HEPB, 4 PCV, 1 MMR, 1 VAR	51.70%				56.40%			76.80%	76.10%			73.10%			81.50%				63.10%		74.50%
16-18	3 DTaP, 2 POLIO, 3 HIB, 2 HEPB, 4 PCV, 1 MMR, 1 VAR	51.80%			73.60%			81.70%		68.50%			65.20%		86.30%						56.70%	66.40%
7-15	3 DTaP, 2 POLIO, 2 HIB, 2 HEPB, 3 PCV	58.30%			62.60%			75.90%				75.50%			82.50%					62.40%		
5-6	2 DTaP, 2 POLIO, 2 HIB, 2 HEPB, 2 PCV	58.30%		61.50%				61.20%				60.60%			79.30%				63.10%			
3-4	1 DTaP, 1 POLIO, 1 HIB, 1 HEPB, 1 PCV	77.80%	79.80%				79.40%				79.20%			89.30%				82.00%				

Two Year Old Immunization Coverage Rate By Area
(Fully Immunized Series 4:3:1:3:3:1:4)
FY 2022 Q1 - FY 2023 Q3

Adolescent National Immunization Coverage
13-17 Year Olds
FY 2010 Q4 - FY 2023 Q3
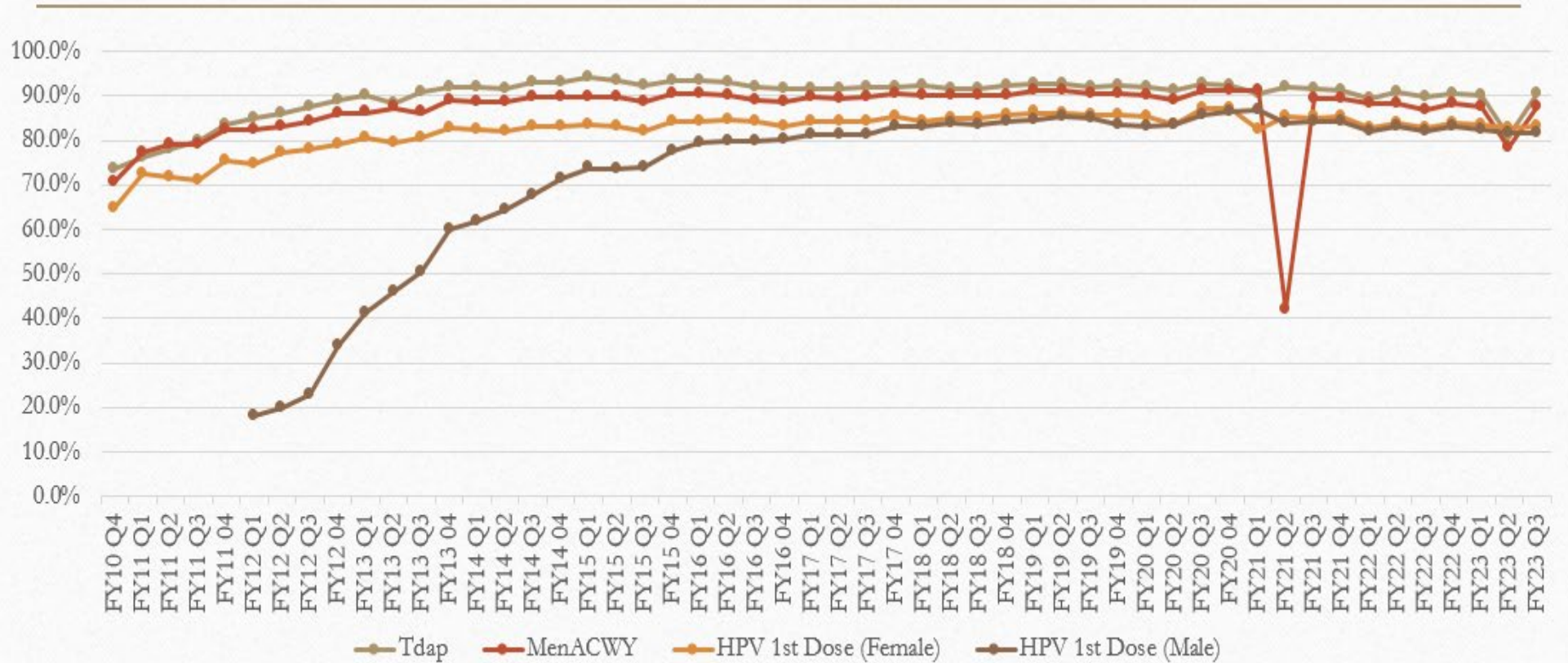
National Adolescent Report
FY23 Quarter 3

	Age in Years		
	11-12	13	13 - 17
1-HEPB			
2-HEPB			
3-HEPB			96.30%
1-MMR			
2-MMR			95.20%
1-VAR			95.70%
2-VAR			94.20%
1-TDAP		86.10%	90.70%
1-HEPA			95.80%
2-HEPA			94.80%
1-MENACWY		81.50%	87.70%
Female + Male HPV			
1_HPV		76.10%	82.40%
2_HPV		47.30%	66.20%
3_HPV		1.20%	3.20%
FULLY_VACD_HPV_2_DOSES		39.90%	53.50%
FULLY_VACD_HPV_3_DOSES		1.10%	2.30%

Adult National Immunization Coverage
FY 2021 Q4 - FY 2023 Q3
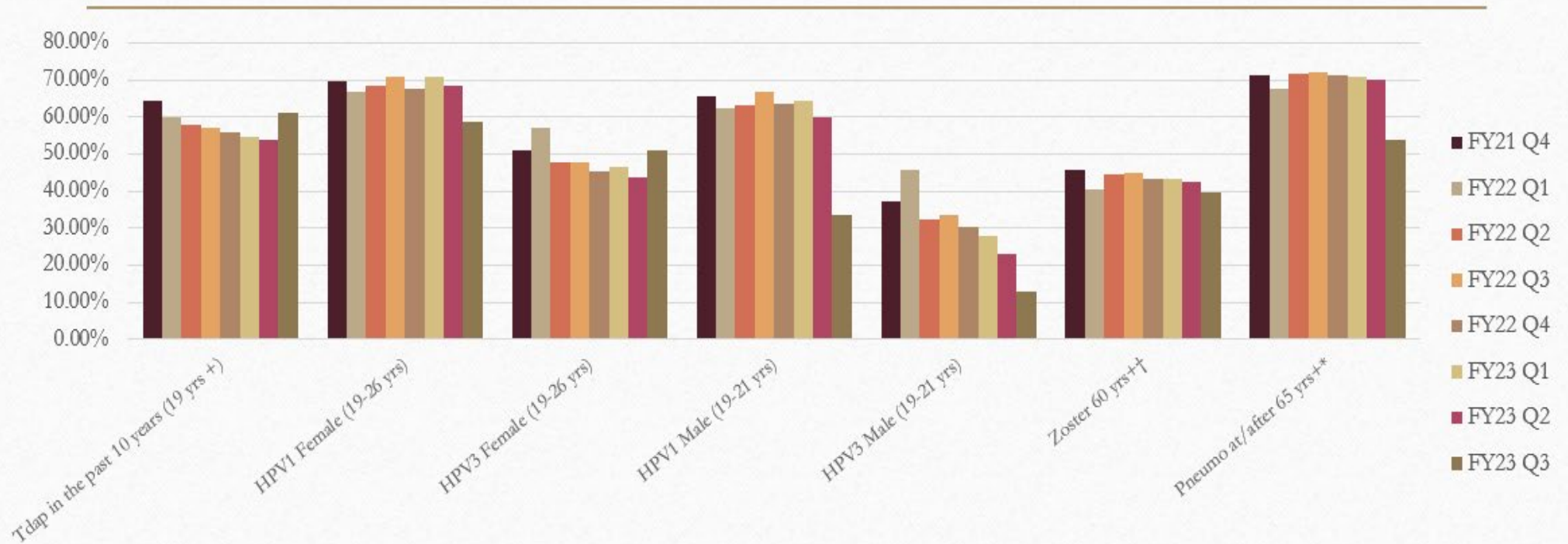
†The Zoster coverage data does not reflect the 2021 ACIP recommendations. ACIP recommends 19+ years and immunocompromised to receive the Zoster 2-dose series.

*The Pneumo coverage data does not reflect the 2021 ACIP recommendations. ACIP recommends Pneumo vaccine for those 19-64 years old with risk factors, medical conditions or are immunocompromised to receive a Pneumo vaccine.

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