

Division of Immunization Services (DIS) Update

June 9, 2023

West Virginia Immunization Summit



Agenda

- Reminder Recall
- Data Quality Reports/Patient Data Quality Detail
- Vaccine Need Report
- Vaccine Ordering Management System (VOMS 2.0)
- Query By Parameter (QBP)
- Helpful Tools /Document Center
- Resetting Your Password
- Editing Patient Demographics
- WVSIS Online Help Desk
- WeVax
- Valuable Websites
- Reminders
- Contacts

Reminder Recall

- Important tool for targeting patients in need of specific vaccinations
- Ability to generate a patient list, mailing labels, postcards, or form letters
- VFC providers are asked during AFIX visits if it is being utilized

Agenda

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Reminder Recall (cont'd)

Reminder/Recall

1

2

3

How do you want to run this Reminder/Recall?

- For all patients you own
- For all patients you have seen at your facility
- Include Inactive Patients (Excluding deceased)

Due Date Timeframe:

Who do you want to Contact?

Patient Location:

Patient Age Range # of Select # of Select

Patient Birth Date

Patient Gender

Exclude patients who were sent a notification in the last:

of Days Weeks Months Years

Advanced

Which vaccines would you like to include?

I only want to see my patients who are:

- Due for all selected vaccines
- One dose away
- One visit to complete the series

Clear

Schedule

Reminder Recall (cont'd)

Reminder/Recall

1

2

3

What patients do you want to add to your recall group?

Remove Patients who don't have an available

Name Phone Address Email

Remove Patients who have received more than notifications.

	Last	First	Age	Vaccines Due	Available Contact Methods	R/R Attempts	Reason for Inactivation
<input checked="" type="checkbox"/>	TEST	TOMMIE	15	10	   	0	<input type="text" value="Select"/>

 Export Patient List

 Submit

Reminder Recall (cont'd)

Click 'Generate a Patient List' or other recall method and follow instructions

Reminder/Recall

1

2

3



What do you want to do with your selected recall group?



Generate A
Patient List



Print Letters



Generate Auto-
Dialer Content



Generate Mail-
Merge



Create
Custom Post
Cards



Create Avery
8387 Postcards



Print Labels



Save As a
Patient Group
(Cohort)



Send Email

Data Quality Reports

- Patient Data Quality Detail Report
- Vaccine Need Report

Patient Data Quality Detail

- Used to enable identification of patient records with incomplete information
- Limited to variables selected by the user such as:
 - VFC Status
 - Patient Address
 - Guardian Information
 - Patient Race

Vaccine Need Report

- May be used to assess VFC vaccine ordered for the previous year
- Information can assist provider in completing the annual VFC report

To Create This Report

- Go to Reports, State Report
- Click on Vaccine Need
- Specify the Period Begin Date
- Click on Create Report and the report will open in a new screen

Vaccine Need Report (cont'd)

State Reports

Certificate of Immunization

Provisional Certificate of Immunization

[Blank Form](#)

[Blank Form](#)

[Current Patient's Form](#)

[Current Patient's Form](#)

Vaccine For Children (VFC)

Vaccine Need

[VFC Vaccine Order Form](#)

[VFC Vaccine Order Form \(Blank\)](#)

[Provider Activity \(Summary\)](#)

[Provider Activity \(Detail\)](#)

[Publicly Supplied Vaccines Nearing Expiration](#)

Report Print Settings

Three Step Process In Ordering Vaccines

- Reconciliation
- Placing The Vaccine Order
- Receiving Order

Reconciliation

RECONCILE INVENTORY - 📅 Next Report Due: 05/04/2023 📅 Last Submitted Report: 04/04/2023
⚠️ Expired ⌚ Expires < 120 Days

- 🏠 Home
- 📦 Inventory ▾
 - Reconciliation
 - Search/Add Inventory
 - Correct Decrementing
- 📄 Orders & Returns >
- 🧊 Cold Storage
- 📊 Reports
- ⚙️ Admin & Settings

Version: 2.50.3
Database 5.75.1
ImmuCast v5.40.00

Public Private
Date Range: 04/04/2023 - 05/04/2023

Vaccine	Lot#	Exp Date	Funding Source	Lot History	Quantity On Hand	Physical Counts	Discrepancy	Adjustments	Inactivate
NO FAMILY FOUND									
Covid-19, Mrna, Lnp-S, Bivalent, Pf, 3 Mcg/0.2 MI Dose Cov-19 Pfizer Bivalent Ped Ages 6m-4y (Pfizer) Mdv10 PFR 10 pack - VIALS NDC: 59267-0609-02	GK1667	01/31/2024	PUB	VIEW	100	<input type="text"/>			<input type="checkbox"/>
Coronavirus (SARS-CoV-2)(COVID-19)									
Covid-19 Vaccine, Subunit, Rs-Nanoparticle+Matrix-M1 Adjuvant, Pf, 0.5 MI Covid-19 (Novavax) (18 Years +) Mdv10; 10-pack 10-pack NVX 5 pack - VIALS NDC: 80631-0100-10	4302MF028	05/11/2023	PUB	VIEW	50	<input type="text"/>			<input type="checkbox"/>
Covid-19, Mrna, Lnp-S, Bivalent Booster,				VIEW		<input type="text"/>			<input type="checkbox"/>

Placing an Order

VOMS

Search

Home

Inventory

Orders & Returns

Orders & Transfers

Returns

Search History

Cold Storage

Reports

Admin & Settings

Version: 2.50.3
Database 5.75.1
ImmuCast v5.40.00

Create New Order

- 1 RECONCILE INVENTORY
- 2 CHOOSE ORDER SET & REQUEST DOSES**
- 3 SHIPPING INFO

Choose an Order Set: **ALL**

ACCOUNTABILITY	LAST DATE SUBMITTED	UP TO DATE?	SUBMISSION DATE
1. Provider agreement is within date?	N/A	Yes	

INVENTORY REPORT LINKS

- Inventory Transaction Report
- Lot Number Summary

Placing an Order

Browser address bar: <https://voms.wimm.org/orders-transfers-returns/new-order>

Navigation tabs: RECONCILE INVENTORY, CHOOSE ORDER SET & REQUEST DOSES, SHIPPING INFO

SHIPPING ADDRESS

Facility Address

If the address contains errors, the vaccine may be undeliverable.
To change your delivery address, please call 877-408-8930

Vaccine Delivery Point of Contact Information

DELIVERY HOURS

Monday	8:00 AM - 3:00 PM
Tuesday	8:00 AM - 3:00 PM
Wednesday	8:00 AM - 3:00 PM
Thursday	8:00 AM - 3:00 PM
Friday	8:00 AM - 3:00 PM
Saturday	
Sunday	

DELIVERY INSTRUCTIONS

Do not enter Delivery Hours here. Driver will only use Delivery Hours specified to the left for valid delivery times.

Enter special instructions: landmarks, doors, etc.

Buttons: PREVIOUS, CANCEL, SAVE, SUBMIT ORDER

Version: 2.50.3
Database 5.75.1
ImmuCast v5.40.00

STC

Receiving Order

Orders and Transfers

NEW ORDER NEW TRANSFER ORDER SEARCH

Inbound Orders & Transfers Outbound Transfers Advertisement Listing Vaccines Available for Transfer

Action	Type	Order #	Sender	Order Date	Status
RECEIVE	Order	380596	McKesson	03/21/2023	Approved
RECEIVE	Order	380595	McKesson	03/21/2023	Approved
RECEIVE	Order	377438	McKesson	02/02/2023	Partially Received
RECEIVE	Order	377437	McKesson	02/02/2023	Approved
RECEIVE	Order	377436	McKesson	02/02/2023	Partially Received
RECEIVE	Order	352105	McKesson	09/22/2022	Approved

Version: 2.50.3
Database 5.75.1
ImmuCast v5.40.00

Receiving Order (cont'd)

- Home
- Inventory >
- Orders & Returns >
 - Orders & Transfers
 - Returns
 - Search History
- Cold Storage
- Reports
- Admin & Settings

ORDER # 380596

VTrckS Order #: VTrckS Order Number is Unavailable.

Approval Organization and Date: VFC - 03/21/2023

Order Set: COVID-19 (MODERNA 6-11 +ADULT BOOSTER) MDV-10; 10-PACK

Vaccine Order Details

VACCINE	LOT #	EXPIRATION DATE	RECEIPT DATE	FUNDING SOURCE	ORDERED QUANTITY	APPROVED QUANTITY	SHIPPED QUANTITY	RECEIPT QUANTITY	ACTION
Coronavirus (SARS-CoV-2)(COVID-19)									
Covid-19, Mrna, Lnp-S, Pf, 50 Mcg/0.5 MI Dose Covid-19 (Moderna 6-11 +Adult Booster) Mdv-5 20-pack MOD 5 pack - VIALS NDC: 80777-0275-99	<input type="text"/>	<input type="text" value="Exp Date"/>		PUB	100	100		<input type="text"/>	<input type="button" value="ADJUST"/> <input type="button" value="ADD LOT"/>

CANCEL

RECEIVE

Version: 2.50.3
Database 5.75.1

Query By Parameter (QBP)

Did you know once your facilities electronic health records have connected with WVSIS you are able to query the registry for patient immunization history

Purpose: Allows providers to pull patient information into their own electronic medical record system, be provided with a complete patient vaccine history, and evaluate immunization history and forecast

To query the system: Change your MSH from VXU to QBP and add the request for complete immunization history or request evaluated immunization history and forecast

Helpful Tools

Document Center



Document Center View

USER GUIDES & FORMS FOR PROVIDERS

WVSIS User Manual	View/Download
Mass Immunizations User Manual	View/Download
Viewer's Guide	View/Download
Pharmacy Quick Reference Guide	View/Download
School Nurse Module	View/Download
PHC Hub Guide	View/Download
HL7 Guide	View/Download
Medical Exemption Guide	View/Download
Guide to Contraindications	View/Download
New User Enrollment Form	View/Download
Provider Agreement	View/Download
2020 Updated Vaccine Cheatsheet with CVX codes	View/Download

UGM 2019 IMMUNIZATION SECTION

UGM 2019 Immunization Section	View/Download
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UGM 2019 VACCINE for CHILDREN SECTION

UGM 2019 Vaccine for Children Section	View/Download
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SSO readiness

How to be ready for Single sign on	View/Download
------------------------------------	-------------------------------

Navigation Menu:

- Main
 - Home
 - Logout
 - Select Application
 - Select Organization
 - Select Facility
 - Select Pin
 - Document Center
 - Help
 - MyIR
- Dashboard
- Message
- Favorites
- Patient
- Waitlist
- Vaccinations
- Oral Health Service
- Exec. Dashboard
- Lead
- Organization
- Facilities
 - Search/Add
 - Search Results
 - Detail
- Physicians & Vaccinators

Resetting Password

- Will not accept the last 5 passwords used
- Use forget password link
- Check spam for the password reset link email
- Make sure your correct email address is in WVSIIIS



LOG IN

[Forgot Password?](#)

Helpful Tools (cont'd)

Go to Patient Demographics, select "EDIT"

<ul style="list-style-type: none"> ▶ Main <ul style="list-style-type: none"> Home Logout Select Application Select Organization Select Facility Select Pin Document Center Help MyIR ■ Dashboard ▶ Message ▶ Favorites ▶ Patient <ul style="list-style-type: none"> Search/Add Demographics Remote Registry Manage Population ▶ Waitlist ▶ Vaccinations <ul style="list-style-type: none"> View/Add Forecast Summary ▶ Oral Health Service ▶ Exec. Dashboard ▶ Lead ▶ Organization ▶ Facilities <ul style="list-style-type: none"> Search/Add Search Results Detail ▶ Physicians & Vaccinators ▶ Lot Numbers ▶ Orders/Transfers <ul style="list-style-type: none"> Alerts Create/View Orders Search History Cold Storage 	<div style="text-align: right;">+ -</div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #2e5496; color: white;"> <th colspan="4">Patient Demographics</th> </tr> </thead> <tbody> <tr style="background-color: #e0e0e0;"> <td colspan="4">Record Info</td> </tr> <tr> <td>SIIS Patient ID:</td> <td colspan="3">6382861</td> </tr> <tr> <td>Organization Owner:</td> <td colspan="3">69566 - WVDHHR</td> </tr> <tr> <td>Facility Owner:</td> <td colspan="3">36508 - EPIDEMIOLOGY INFECTIOUS DISEAS</td> </tr> <tr> <td>Entry Date:</td> <td>05/05/2022</td> <td>Last Update:</td> <td>05/05/2022</td> </tr> <tr style="background-color: #e0e0e0;"> <td colspan="4">Patient Status</td> </tr> <tr> <td>State Level:</td> <td>Inactive</td> <td>Organization Level:</td> <td>Active</td> </tr> <tr> <td>County Level:</td> <td>Inactive</td> <td colspan="2"></td> </tr> <tr style="background-color: #e0e0e0;"> <td colspan="4">Patient</td> </tr> <tr> <td>First Name:</td> <td>MINNIE</td> <td>Race:</td> <td></td> </tr> <tr> <td>Middle Name:</td> <td></td> <td>Ethnicity:</td> <td></td> </tr> <tr> <td>Last Name:</td> <td>MOUSE</td> <td>Language:</td> <td></td> </tr> <tr> <td>Suffix:</td> <td></td> <td>SSN:</td> <td></td> </tr> <tr> <td>Birth Date:</td> <td>11/18/1928</td> <td>Medicaid #:</td> <td></td> </tr> <tr> <td>Birth File #:</td> <td></td> <td>Multi Birth Indicator:</td> <td>N</td> </tr> <tr> <td>Age:</td> <td>93 yrs</td> <td>Birth Order:</td> <td></td> </tr> <tr> <td>Reminder/Recall Publicity Code</td> <td></td> <td>Military:</td> <td></td> </tr> <tr> <td>Sex:</td> <td>FEMALE</td> <td>Recall Attempts:</td> <td>0</td> </tr> <tr> <td>Mother Maiden Nm:</td> <td></td> <td>Nationality:</td> <td></td> </tr> <tr> <td>VFC status:</td> <td>Ineligible</td> <td>Passport #:</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Visa #:</td> <td></td> </tr> <tr> <td></td> <td></td> <td>Vaccine Supply:</td> <td>PRIVATE</td> </tr> <tr style="background-color: #e0e0e0;"> <td colspan="4">– Primary Address</td> </tr> <tr> <td>Address 1:</td> <td>1 TOONTOWN</td> <td>Address 2:</td> <td></td> </tr> <tr> <td>City:</td> <td>ORLANDO</td> <td>State:</td> <td>FL</td> </tr> <tr> <td>Zip Code:</td> <td>32830</td> <td></td> <td></td> </tr> <tr> <td>Email</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Country:</td> <td>United States</td> <td>County/Parish:</td> <td>ORANGE</td> </tr> <tr style="background-color: #e0e0e0;"> <td colspan="4">– Patient Phone Number(s)</td> </tr> <tr> <td>Phone Number</td> <td>Extension:</td> <td>Phone Use Code</td> <td>Equipment Type</td> </tr> <tr> <td>(304)123-4567</td> <td></td> <td>Primary residence number</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Primary Y</td> </tr> <tr> <td colspan="4">+ Family & Contact</td> </tr> <tr> <td colspan="4">+ Alias</td> </tr> <tr> <td colspan="4">+ Secondary Patient Demographics</td> </tr> <tr> <td colspan="4">+ School</td> </tr> <tr> <td colspan="4">+ Primary Insurance</td> </tr> <tr> <td colspan="4">+ Medical Home</td> </tr> <tr> <td colspan="4">+ Birth & Death</td> </tr> <tr> <td colspan="4">+ Assessment</td> </tr> </tbody> </table>	Patient Demographics				Record Info				SIIS Patient ID:	6382861			Organization Owner:	69566 - WVDHHR			Facility Owner:	36508 - EPIDEMIOLOGY INFECTIOUS DISEAS			Entry Date:	05/05/2022	Last Update:	05/05/2022	Patient Status				State Level:	Inactive	Organization Level:	Active	County Level:	Inactive			Patient				First Name:	MINNIE	Race:		Middle Name:		Ethnicity:		Last Name:	MOUSE	Language:		Suffix:		SSN:		Birth Date:	11/18/1928	Medicaid #:		Birth File #:		Multi Birth Indicator:	N	Age:	93 yrs	Birth Order:		Reminder/Recall Publicity Code		Military:		Sex:	FEMALE	Recall Attempts:	0	Mother Maiden Nm:		Nationality:		VFC status:	Ineligible	Passport #:				Visa #:				Vaccine Supply:	PRIVATE	– Primary Address				Address 1:	1 TOONTOWN	Address 2:		City:	ORLANDO	State:	FL	Zip Code:	32830			Email				Country:	United States	County/Parish:	ORANGE	– Patient Phone Number(s)				Phone Number	Extension:	Phone Use Code	Equipment Type	(304)123-4567		Primary residence number					Primary Y	+ Family & Contact				+ Alias				+ Secondary Patient Demographics				+ School				+ Primary Insurance				+ Medical Home				+ Birth & Death				+ Assessment			
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Helpful Tools (cont'd)

WVSIS Help Desk

10:25 AM

WVSIS

Hello! Thank you for contacting WVSIS Help Desk, please provide your name and email address.

Name

1 of 2

Next

Type a message

Physicians &

KRISTEN THOMPSON

Facility: WVDHHR (69566) / EPIDEMIOLOGY INFECTIOUS DISEAS

Date: April 28, 2023

Day Name: EID COVID CONTACT TRACING

Search [Click here to use the 'advanced' search](#)

First Name or Initial:	<input type="text"/>	WIC ID:	<input type="text"/>
Last Name or Initial:	<input type="text"/>	SIIS Patient ID / Bar Code:	<input type="text"/>
Date:	<input type="text" value="mm/dd/yyyy"/>	Chart Number:	<input type="text"/>
		SSN:	<input type="text"/>

Address Information:

First Name:	<input type="text"/>	Mother's Maiden Name:	<input type="text"/>
	<input type="text"/>		
	<input type="text"/>	State:	<input type="text" value="Select..."/>
	<input type="text"/>	Phone Number:	<input type="text"/>
	<input type="text" value="United States"/>		

When searching by First and Last Name, you may use the wildcard character % to replace multiple characters and _ to replace a single character.
Click here if adding a new patient.



Home



My Learning
Dashboard



Courses



Media Library



Vaccination Toolkit



WeVaX is your all access pass to information related to VFC courseware covering a spectrum of material and other products. Regularly updated with the most recent releases, WeVaX gives you 24x7 access to Immunization information, trainings, and documents.

Reduced Ordering Update



Moderna bivalent pediatric COVID-19 vaccine for 5 years and under minimum order quantity has been reduced to 20 doses per order in the WVSIS vaccine order management system (VOMS). The NDC for this vaccine remains 80777-0283-99. As a reminder, one carton of this vaccine contains 20 doses in 10 two-dose vials. This will allow more providers to receive direct shipment of this vaccine.

Because ancillary supplies are packed well in advance of demand, they will continue to be shipped in minimum quantities to support 100 administrations per kit with this product. If you have sufficient supplies to support administration of the doses you order, **please opt out of receiving ancillary kits by entering a note with your vaccine order** when requesting this Moderna bivalent pediatric vaccine.

- **Learning Dashboard**

- **Courses :**
 - You Call The Shots**
 - VOMS 2.0 Training Modules**
 - School Nurse Module**

- **Media Library**

- **Vaccination Toolkit**

Valuable Websites

<https://www.cdc.gov/vaccines/>

The screenshot shows the CDC Vaccines & Immunizations website. At the top, there is a navigation bar with the title "Vaccines & Immunizations". Below this, there are two main sections. The left section is titled "2023 Immunization Schedules" and features two tables: "Table 1 Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger, United States, 2023" and "Table 1 Recommended Adult Immunization Schedule by Age Group, United States, 2023". The right section is titled "COVID-19 Vaccination" and contains two links: "For Healthcare Professionals and Jurisdictions" and "For You and Your Family". Below these sections are four category cards: "Children (Birth to 18 Years)", "Pregnancy and Vaccination", "Adults (19 and Older)", and "Travelers". Each card includes a representative image and a text label.

<https://www.cdc.gov/travel/essentialist/>

Valuable Websites

<http://www.immunize.org/>

The screenshot shows the Immunize.org website homepage. At the top, there is a navigation bar with links for HOME, ABOUT IAC, CONTACT, A-Z INDEX, DONATE, SHOP, and SUBSCRIBE. Below this is a search bar and a "Sign up for email newsletter" button. The main content area is divided into several sections:

- News & Information:** A central section with a globe and stethoscope graphic. It includes a "Welcome" button, a "Check here for updates" link, and a "News & Information" heading. A featured article from the CDC is highlighted, titled "CDC releases 2023 immunization schedules for children, adolescents and adults" (dated 2/10/23).
- IZ Express:** A section for "Immunization news and information from your trusted source for more than 20 years!" with a "SUBSCRIBE" button.
- Ask the Experts!** A section where "IAC experts answer more than 1,000 questions from healthcare professionals about vaccines and their use." with a "Read Ask the Experts" link.
- Vaccinating Adults:** A section for "A Step-by-Step Guide" with a "Download FREE 142-page Guide" button and the URL www.immunize.org/guide.
- 65+ FLU DEFENSE™:** A section for flu prevention for older adults.
- COVID-19 and mpox resources:** Two yellow and blue callout boxes on the right side. One says "CHECK OUT Immunize.org's COVID-19 web page for up-to-date information" and the other says "Find current resources on our mpox vaccine web page".
- Webinars:** Two "WATCH" buttons for webinars: "Improving the Vaccination Experience: Reducing Pain and Anxiety for Children and Adults" (February 28, 2023) and "Improving the Vaccination Experience: Accessible Vaccination".

Valuable Websites

<https://oeps.wv.gov/immunizations>

The screenshot shows a web browser window with the URL <https://oeps.wv.gov/immunizations/Pages/default.aspx>. The page header includes the WV.gov logo and the text "State Agency Directory | Online Services". The main content area features the "Office of Epidemiology & Prevention Services" logo and a search bar. A navigation menu contains links for "A to Z", "Immunizations", "How Do I...?", and "About Us". The page content includes a breadcrumb "OEPS > Immunizations", a section for "IMMUNIZATIONS", and a "QUICK LINKS" list with items such as "ABOUT", "WEVAX", "CDC", "Childcare, School & College Requirements", "COVID-19 VACCINE INFORMATION", "Healthcare Provider Area", "Provider Training Materials", "Sharps Disposal", and "Contact Us". Below this is an "ABOUT" section with a mission statement and a description of the Vaccines for Children (VFC) program. The footer contains the address "350 Capitol Street, Room 125, Charleston, WV 25301", contact information, and a copyright notice for 2023.

https://oeps.wv.gov/immunizations/Pages/default.aspx

WV.gov State Agency Directory | Online Services

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ABOUT

The mission of the West Virginia Division of Immunization Services (WVDIS) is to prevent and control vaccine-preventable diseases among the children, adolescents and adults of West Virginia.

WVDIS administers the Vaccines for Children (VFC) program that provides free vaccines to eligible children. Eligible children are those without health insurance, those enrolled in

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Reminders

- All immunizations given to anyone 18 years of age and younger must be reported (NOT just VFC eligible patients)
- Adult immunization reporting is strongly encouraged
- VFC providers – select lot number for all VFC vaccinations
- Remember to add the birth order on twins, triplets, etc. either in WVSIS or in your electronic system
- When you cannot find a patient, type in the first and last name because the date of birth may be entered wrong
- If you know a patient is in the registry but, cannot find them, call us before entering the patient. It may be merged with a twin or the wrong date of birth
- If you think a vaccine is entered incorrectly by another facility, please contact that provider

Reminders (cont'd)

- If submitting electronically, please make sure there is someone responsible for checking the files sent over to the immunization registry
- If your facility has not connected their EMR to WVSIIIS you may contact the WVSIIIS trainer in your area to start the process.
- If your facility is having connection problems, please contact Tim Neely, tim.b.neely@wv.gov
- If files have “E” they will not cross over to the immunization registry
- Please remember if you do not own a patient, mark them as “do not take ownership” when you are adding their vaccine to the immunization registry. If not, you will automatically take ownership of the patients’ records
- Notify WVSIIIS trainers when a user needs to be inactivated

Reminders (cont'd)

- Go to the document center under main tab and select document center to print off user guide, new user enrollment form and other helpful documents
- Make sure phone number is included on patients' record under primary phone number
- Remember to check and update patients' addresses in WVSIIIS
- Make sure you use Google Chrome or Firefox to access the WVSIIIS website

Contacts

WVSIIS Main Number (304) 558-2188

WVSIIS Fax Number (304) 558-1899

or Toll Free at (877) 408-8927

Immunization Registry Website

<https://www.wvimm.org/wvsiis>

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Division of Immunization Services (DIS) Update

June 9, 2023

West Virginia Immunization Summit



Primary Purposes of the DIS

- **Procurement and distribution of vaccines**
- **Quality assurance and education**
- **Operate IIS**
- **Provide infrastructure funding to public partners**
- **Surveillance of vaccine-preventable diseases**

- **Believed to have started in early 1960's with pertussis, diphtheria, tetanus, polio and measles vaccines**
- **WV is credited with establishing one of the first state immunization programs in the U.S.**
- **Initially worked with local, public health departments only**
- **WV began private provider vaccine program in the 1970s**
- **WV was providing childhood vaccinations to approximately 135 private providers statewide before the VFC Program was created**

Creation of VFC Program

- **The VFC program was created in response to a nationwide measles outbreak that caused over 55,000 cases, 11,251 known hospitalizations, and 136 deaths**
- **Intended to reduce cost as a barrier to immunization and increase primary care provider (PCP) vaccination**
- **Most PCPs referred children to public health for vaccinations**
- **Vaccination rates increased dramatically after children were able to receive vaccines in their medical home as part of regular well-child medical appointments**

Provision of Vaccines

- Through the VFC program, the WVDIS provides all ACIP-recommended vaccines to VFC-eligible children at the 431 VFC-enrolled provider sites
- Through an interagency agreement with the WVCHIP program, WVDIS provides the same vaccines through the same infrastructure (WVSIIS/VOMS) and VTrckS for children who have WVCHIP insurance
- CHIP enrollment is not VFC-eligibility; this is why the interagency agreement was put in place
- In addition to CHIP “members” other* non-VFC eligible children may receive state-supplied vaccines if they meet certain criteria
- Eligible adults* may receive Tdap/Td, PPV23, PCV13, HepA, HepB, and zoster (shingles) vaccine from LHDs

Provision of Vaccines

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- Eligible adults may receive Tdap/Td, PPV23, PCV, hepA, hepB, and zoster (shingles) vaccine from LHDs

- **Eligibility criteria for VFC and CHIP vaccines is simple, either eligible or not**
- **Children who are not VFC eligible nor enrolled in the West Virginia Children's Health Insurance Program (WVCHIP) continue to be ineligible for state-supplied vaccines. However, there are exceptions for children to ensure that no child denied access to vaccines through no fault of the parent/guardian**
- **The most common reasons for the safety net are explained in the following slides**

Reason 1

- **Some children who are not VFC-eligible or CHIP-enrolled and thus ineligible for state-state-supplied vaccines, are unfortunately also unable to get vaccinations from their primary care provider (PCP) office**
- **Most often this situation results from PCPs who do not stock privately purchased vaccines**
- **In these cases, the PCP may provide the child/guardian with an *Official Patient Referral Form to Local Health Department for Vaccination* so that the child may receive state-supplied vaccine from the LHD despite not being VFC- or CHIP-enrolled.**

Reason 2

- When the start of a new school year approaches and a parent reports that their child cannot get an appointment with their PCP for school-required vaccinations before school starts
- In a case such as this, the parent may ask the PCP to provide a physician *referral* or may complete a *self-referral* form
- The *referral* and *self-referral* forms may be found in WeVax and at the WVDIS website <https://oeps.wv.gov/immunizations>
- Why does WVDIS require these referral forms? By requiring providers to complete the referral it forces them to acknowledge that they are not providing an integral part of Well-Child care
- And the parent completing a self-referral form realizes they are being provided an exception and should not use for more than one visit

Reason 3

- **There are cases in which a family has recently moved to a new community in West Virginia and does not yet have a primary care home established for their child(ren), or their child's physician recently retired or relocated the practice**
- **In these cases, and perhaps other scenarios, LHDs may allow a parent/guardian to complete a self-referral**
- **If the insured child without a primary care home presents to an LHD or other community immunizer that has private (non-state supplied vaccine) the child should receive the private vaccine and their insurance billed (Safety net vaccine is precious and should be reserved for truly justifiable reasons)**

Uninsured and Underinsured adults are eligible for vaccines routinely recommendation for adults:

- **Td/Tdap**
- **Pneumococcal conjugate vaccines (PCV)**
- **Pneumococcal polysaccharide vaccine (PPV23)**
- **Adult Hepatitis A***
- **2-dose adjuvanted adult Hepatitis B**
- **Zoster (shingles)**

- **Special Circumstances – Hib, MMR, MCV4**

Recommended Immunization Schedules

Table 1 Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger, United States, 2023

These recommendations must be read with the notes that follow. For those who fall behind or start late, provide catch-up vaccination at the earliest opportunity as indicated by the green bars. To determine minimum intervals between doses, see the catch-up schedule (Table 2).

Vaccine	Birth	1 mo	2 mos	4 mos	6 mos	9 mos	12 mos	15 mos	18 mos	19-23 mos	2-3 yrs	4-6 yrs	7-10 yrs	11-12 yrs	13-15 yrs	16 yrs	17-18 yrs	
Hepatitis B (HepB)	1 st dose	← 2 nd dose →			← 3 rd dose →													
Rotavirus (RV): RV1 (2-dose series), RV5 (3-dose series)			1 st dose	2 nd dose	See Notes													
Diphtheria, tetanus, acellular pertussis (DTaP <7 yrs)			1 st dose	2 nd dose	3 rd dose				← 4 th dose →			5 th dose						
Haemophilus influenzae type b (Hib)			1 st dose	2 nd dose	See Notes		← 3 rd or 4 th dose, See Notes →											
Pneumococcal conjugate (PCV13, PCV15)			1 st dose	2 nd dose	3 rd dose		← 4 th dose →											
Inactivated poliovirus (IPV <18 yrs)			1 st dose	2 nd dose	← 3 rd dose →						4 th dose						See Notes	
COVID-19 (1vCOV-mRNA, 2vCOV-mRNA, 1vCOV-aPS)	2- or 3-dose primary series and booster (See Notes)																	
Influenza (IIV4)	Annual vaccination 1 or 2 doses										Annual vaccination 1 dose only							
OR											OR							
Influenza (LAIV4)											Annual vaccination 1 or 2 doses			Annual vaccination 1 dose only				
Measles, mumps, rubella (MMR)					See Notes		← 1 st dose →					2 nd dose						
Varicella (VAR)							← 1 st dose →					2 nd dose						
Hepatitis A (HepA)					See Notes	2-dose series, See Notes												
Tetanus, diphtheria, acellular pertussis (Tdap ≥7 yrs)															1 dose			
Human papillomavirus (HPV)															See Notes			
Meningococcal (MenACWY-D ≥9 mos, MenACWY-CRM ≥2 mos, MenACWY-TT ≥2years)			See Notes												1 st dose		2 nd dose	
Meningococcal B (MenB-4C, MenB-FHbp)															See Notes			
Pneumococcal polysaccharide (PPSV23)													See Notes					
Dengue (DEN4CYD; 9-16 yrs)															Seropositive in endemic dengue areas (See Notes)			

Range of recommended ages for all children
 Range of recommended ages for catch-up vaccination
 Range of recommended ages for certain high-risk groups
 Recommended vaccination can begin in this age group
 Recommended vaccination based on shared clinical decision-making
 No recommendation/not applicable

Catch-up/Minimum Intervals Between Doses

Table 2 Recommended Catch-up Immunization Schedule for Children and Adolescents Who Start Late or Who Are More than 1 Month Behind, United States, 2023

The table below provides catch-up schedules and minimum intervals between doses for children whose vaccinations have been delayed. A vaccine series does not need to be restarted, regardless of the time that has elapsed between doses. Use the section appropriate for the child's age. **Always use this table in conjunction with Table 1 and the Notes that follow.**

Children age 4 months through 6 years						
Vaccine	Minimum Age for Dose 1	Dose 1 to Dose 2	Dose 2 to Dose 3	Minimum Interval Between Doses	Dose 3 to Dose 4	Dose 4 to Dose 5
Hepatitis B	Birth	4 weeks	8 weeks and at least 16 weeks after first dose minimum age for the final dose is 24 weeks			
Rotavirus	6 weeks Maximum age for first dose is 14 weeks, 6 days.	4 weeks	4 weeks maximum age for final dose is 8 months, 0 days			
Diphtheria, tetanus, and acellular pertussis	6 weeks	4 weeks	4 weeks		6 months	6 months
<i>Haemophilus influenzae</i> type b	6 weeks	No further doses needed if first dose was administered at age 15 months or older. 4 weeks if first dose was administered before the 1 st birthday. 8 weeks (as final dose) if first dose was administered at age 12 through 14 months.	No further doses needed if previous dose was administered at age 15 months or older 4 weeks if current age is younger than 12 months and first dose was administered at younger than age 7 months and at least 1 previous dose was PIP-T (ActHib*, Pentacel*, Hiberix*), Vaxelis* or unknown 8 weeks and age 12 through 59 months (as final dose) if current age is younger than 12 months and first dose was administered at age 7 through 11 months; OR if current age is 12 through 59 months and first dose was administered before the 1 st birthday and second dose was administered at younger than 15 months; OR if both doses were PedvaxiB® and were administered before the 1st birthday		8 weeks (as final dose) This dose only necessary for children age 12 through 59 months who received 3 doses before the 1 st birthday.	
Pneumococcal conjugate	6 weeks	No further doses needed for healthy children if first dose was administered at age 24 months or older 4 weeks if first dose was administered before the 1 st birthday 8 weeks (as final dose for healthy children) if first dose was administered at the 1 st birthday or after	No further doses needed for healthy children if previous dose was administered at age 24 months or older 4 weeks if current age is younger than 12 months and previous dose was administered at <7 months old 8 weeks (as final dose for healthy children) if previous dose was administered between 7–11 months (wait until at least 12 months old); OR if current age is 12 months or older and at least 1 dose was administered before age 12 months		8 weeks (as final dose) this dose is only necessary for children aged 12 through 59 months regardless of risk, or age 60 through 71 months with any risk, who received 3 doses before age 12 months.	
Inactivated poliovirus	6 weeks	4 weeks	4 weeks if current age is <4 years 6 months (as final dose) if current age is 4 years or older		6 months (minimum age 4 years for final dose)	
Measles, mumps, rubella	12 months	4 weeks				
Varicella	12 months	3 months				
Hepatitis A	12 months	6 months				
Meningococcal ACWY	2 months MenACWY-CRM 9 months MenACWY-D 2 years MenACWY-TT	8 weeks	See Notes		See Notes	
Children and adolescents age 7 through 18 years						
Meningococcal ACWY	Not applicable (N/A)	8 weeks				
Tetanus, diphtheria, tetanus, diphtheria, and acellular pertussis	7 years	4 weeks	4 weeks if first dose of DTaP/DT was administered before the 1 st birthday 6 months (as final dose) if first dose of DTaP/DT or Tdap/Td was administered at or after the 1 st birthday		6 months if first dose of DTaP/DT was administered before the 1 st birthday	
Human papillomavirus	9 years	Routine dosing intervals are recommended.				
Hepatitis A	N/A	6 months				
Hepatitis B	N/A	4 weeks	8 weeks and at least 16 weeks after first dose			
Inactivated poliovirus	N/A	4 weeks	6 months A fourth dose is not necessary if the third dose was administered at age 4 years or older and at least 6 months after the previous dose.		A fourth dose of IPV is indicated if all previous doses were administered at <4 years or if the third dose was administered <6 months after the second dose.	
Measles, mumps, rubella	N/A	4 weeks				
Varicella	N/A	3 months if younger than age 13 years. 4 weeks if age 13 years or older				
Dengue	9 years	6 months	6 months			

Footnotes!

Notes

Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger, United States, 2023

For vaccination recommendations for persons ages 19 years or older, see the Recommended Adult Immunization Schedule, 2023.

Additional information

- Consult relevant ACIP statements for detailed recommendations at www.cdc.gov/vaccines/hcp/acip-recs/index.html.
- For calculating intervals between doses, 4 weeks = 28 days. Intervals of ≥ 4 months are determined by calendar months.
- Within a number range (e.g., 12–18), a dash (–) should be read as “through.”
- Vaccine doses administered ≤ 4 days before the minimum age or interval are considered valid. Doses of any vaccine administered ≥ 5 days earlier than the minimum age or minimum interval should not be counted as valid and should be repeated as age appropriate. **The repeat dose should be spaced after the invalid dose by the recommended minimum interval.** For further details, see Table 3-2, Recommended and minimum ages and intervals between vaccine doses, in *General Best Practice Guidelines for Immunization* at www.cdc.gov/vaccines/hcp/acip-recs/general-recs/timing.html.
- Information on travel vaccination requirements and recommendations is available at www.cdc.gov/travel/.
- For vaccination of persons with immunodeficiencies, see Table 8-1, Vaccination of persons with primary and secondary immunodeficiencies, in *General Best Practice Guidelines for Immunization* at www.cdc.gov/vaccines/hcp/acip-recs/general-recs/immunocompetence.html, and Immunization in Special Clinical Circumstances (In: Kimberlin DW, Barnett ED, Lynfield Ruth, Sawyer MH, eds. *Red Book: 2021–2024 Report of the Committee on Infectious Diseases*. 32nd ed. Itasca, IL: American Academy of Pediatrics; 2021:72–86).
- For information about vaccination in the setting of a vaccine-preventable disease outbreak, contact your state or local health department.
- The National Vaccine Injury Compensation Program (VICP) is a no-fault alternative to the traditional legal system for resolving vaccine injury claims. All vaccines included in the child and adolescent vaccine schedule are covered by VICP except dengue, PPSV23, and COVID-19 vaccines. COVID-19 vaccines that are authorized or approved by the FDA are covered by the Countermeasures Injury Compensation Program (CICP). For more information, see www.hrsa.gov/vaccinecompensation or www.hrsa.gov/cicp.

COVID-19 vaccination

(minimum age: 6 months [Moderna and Pfizer-BioNTech COVID-19 vaccines], 12 years [Novavax COVID-19 Vaccine])

Routine vaccination

- **Primary series:**
 - **Age 6 months–4 years:** 2-dose series at 0, 4–8 weeks (Moderna) or 3-dose series at 0, 3–8, 11–16 weeks (Pfizer-BioNTech)
 - **Age 5–11 years:** 2-dose series at 0, 4–8 weeks (Moderna) or 2-dose series at 0, 3–8 weeks (Pfizer-BioNTech)
 - **Age 12–18 years:** 2-dose series at 0, 4–8 weeks (Moderna) or 2-dose series at 0, 3–8 weeks (Novavax, Pfizer-BioNTech)
- **For booster dose recommendations** see www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html

Special situations

Persons who are moderately or severely immunocompromised

- **Primary series**
 - **Age 6 months–4 years:** 3-dose series at 0, 4, 8 weeks (Moderna) or 3-dose series at 0, 3, 11 weeks (Pfizer-BioNTech)
 - **Age 5–11 years:** 3-dose series at 0, 4, 8 weeks (Moderna) or 3-dose series at 0, 3, 7 weeks (Pfizer-BioNTech)
 - **Age 12–18 years:** 3-dose series at 0, 4, 8 weeks (Moderna) or 2-dose series at 0, 3 weeks (Novavax) or 3-dose series at 0, 3, 7 weeks (Pfizer-BioNTech)
- **Booster dose:** see www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html
- **Pre-exposure prophylaxis** (monoclonal antibodies) may be considered to complement COVID-19 vaccination. See www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html#immunocompromised

For Janssen COVID-19 Vaccine recipients see COVID-19 schedule at www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html

Note: Administer an age-appropriate vaccine product for each dose. Current COVID-19 schedule and dosage formulation available at www.cdc.gov/vaccines/covid-19/downloads/COVID-19-immunization-schedule-ages-6months-older.pdf. For more information on Emergency Use Authorization (EUA) indications for COVID-19 vaccines, see www.fda.gov/emergency-preparedness-and-response/coronavirus-disease-2019-covid-19/covid-19-vaccines.

Dengue vaccination

(minimum age: 9 years)

Routine vaccination

- Age 9–16 years living in areas with endemic dengue **AND** have laboratory confirmation of previous dengue infection – 3-dose series administered at 0, 6, and 12 months
- Endemic areas include Puerto Rico, American Samoa, US Virgin Islands, Federated States of Micronesia, Republic of Marshall Islands, and the Republic of Palau. For updated guidance on dengue endemic areas and pre-vaccination laboratory testing see www.cdc.gov/mmwr/volumes/70/rr/rr7006a1.htm?s_cid=rr7006a1_w and www.cdc.gov/dengue/vaccine/hcp/index.html
- Dengue vaccine should not be administered to children traveling to or visiting endemic dengue areas.

Diphtheria, tetanus, and pertussis (DTaP) vaccination (minimum age: 6 weeks [4 years for Kinrix® or Quadacel®])

Routine vaccination

- 5-dose series at age 2, 4, 6, 15–18 months, 4–6 years
 - **Prospectively:** Dose 4 may be administered as early as age 12 months if at least 6 months have elapsed since dose 3.
 - **Retrospectively:** A 4th dose that was inadvertently administered as early as age 12 months may be counted if at least 4 months have elapsed since dose 3.

Catch-up vaccination

- Dose 5 is not necessary if dose 4 was administered at age 4 years or older and at least 6 months after dose 3.
- For other catch-up guidance, see Table 2.

Special situations

- **Wound management** in children less than age 7 years with history of 3 or more doses of tetanus-toxoid-containing vaccine: For all wounds except clean and minor wounds, administer DTaP if more than 5 years since last dose of tetanus-toxoid-containing vaccine. For detailed information, see www.cdc.gov/mmwr/volumes/67/rr/rr6702a1.htm.

Adult Immunization Schedule

Table 1 Recommended Adult Immunization Schedule by Age Group, United States, 2023

Vaccine	19–26 years	27–49 years	50–64 years	≥65 years
COVID-19	2- or 3- dose primary series and booster (See Notes)			
Influenza inactivated (IIV4) or Influenza recombinant (RIV4)	1 dose annually			
Influenza live, attenuated (LAIV4)	1 dose annually			
Tetanus, diphtheria, pertussis (Tdap or Td)	1 dose Tdap each pregnancy; 1 dose Td/Tdap for wound management (see notes)			
	1 dose Tdap, then Td or Tdap booster every 10 years			
Measles, mumps, rubella (MMR)	1 or 2 doses depending on indication (if born in 1957 or later)			For healthcare personnel, see notes
Varicella (VAR)	2 doses (if born in 1980 or later)		2 doses	
Zoster recombinant (RZV)	2 doses for immunocompromising conditions (see notes)		2 doses	
Human papillomavirus (HPV)	2 or 3 doses depending on age at initial vaccination or condition	27 through 45 years		
Pneumococcal (PCV15, PCV20, PPSV23)	1 dose PCV15 followed by PPSV23 OR 1 dose PCV20 (see notes)			See Notes
				See Notes
Hepatitis A (HepA)	2, 3, or 4 doses depending on vaccine			
Hepatitis B (HepB)	2, 3, or 4 doses depending on vaccine or condition			
Meningococcal A, C, W, Y (MenACWY)	1 or 2 doses depending on indication, see notes for booster recommendations			
Meningococcal B (MenB)	2 or 3 doses depending on vaccine and indication, see notes for booster recommendations			
	19 through 23 years			
<i>Haemophilus influenzae</i> type b (Hib)	1 or 3 doses depending on indication			

 Recommended vaccination for adults who meet age requirement, lack documentation of vaccination, or lack evidence of past infection

 Recommended vaccination for adults with an additional risk factor or another indication

 Recommended vaccination based on shared clinical decision-making

 No recommendation/ Not applicable

Adult Footnotes

Notes

Recommended Adult Immunization Schedule for ages 19 years or older, United States, 2023

For vaccine recommendations for persons 18 years of age or younger, see the Recommended Child and Adolescent Immunization Schedule.

COVID-19 vaccination

Routine vaccination

- **Primary series:** 2-dose series at 0, 4-8 weeks (Moderna) or 2-dose series at 0, 3-8 weeks (Novavax, Pfizer-BioNTech)
- **Booster dose:** see www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html

Special situations

Persons who are moderately or severely immunocompromised

- **Primary series**
 - 3-dose series at 0, 4, 8 weeks (Moderna) or 3-dose series at 0, 3, 7 weeks (Pfizer-BioNTech)
 - 2-dose series at 0, 3 weeks (Novavax)
- **Booster dose:** see www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html
- **Pre-exposure prophylaxis (e.g., monoclonal antibodies)** may be considered to complement COVID-19 vaccination. See www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html#immunocompromised

For Janssen COVID-19 Vaccine recipients see COVID-19 schedule at www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html.

Note: Current COVID-19 schedule available at www.cdc.gov/vaccines/covid-19/downloads/COVID-19-immunization-schedule-ages-6months-older.pdf. For more information on Emergency Use Authorization (EUA) indications for COVID-19 vaccines, please visit www.fda.gov/emergency-preparedness-and-response/coronavirus-disease-2019-covid-19/covid-19-vaccines

Haemophilus influenzae type b vaccination

Special situations

- **Anatomical or functional asplenia (including sickle cell disease):** 1 dose if previously did not receive Hib; if elective splenectomy, 1 dose preferably at least 14 days before splenectomy
- **Hematopoietic stem cell transplant (HSCT):** 3-dose series 4 weeks apart starting 6–12 months after successful transplant, regardless of Hib vaccination history

Hepatitis A vaccination

Routine vaccination

- **Not at risk but want protection from hepatitis A** (identification of risk factor not required): 2-dose series HepA (Havrix 6–12 months apart or Vaqta 6–18 months apart [minimum interval: 6 months]) or 3-dose series HepA-HepB (Twinrix at 0, 1, 6 months [minimum intervals: dose 1 to dose 2: 4 weeks / dose 2 to dose 3: 5 months])

Special situations

- **At risk for hepatitis A virus infection:** 2-dose series HepA or 3-dose series HepA-HepB as above
 - **Chronic liver disease** (e.g., persons with hepatitis B, hepatitis C, cirrhosis, fatty liver disease, alcoholic liver disease, autoimmune hepatitis, alanine aminotransferase [ALT] or aspartate aminotransferase [AST] level greater than twice the upper limit of normal)
 - **HIV infection**
 - **Men who have sex with men**
 - **Injection or noninjection drug use**
 - **Persons experiencing homelessness**
 - **Work with hepatitis A virus** in research laboratory or with nonhuman primates with hepatitis A virus infection

- **Travel in countries with high or intermediate endemic hepatitis A** (HepA-HepB [Twinrix] may be administered on an accelerated schedule of 3 doses at 0, 7, and 21–30 days, followed by a booster dose at 12 months)

- **Close, personal contact with international adoptee** (e.g., household or regular babysitting) in first 60 days after arrival from country with high or intermediate endemic hepatitis A (administer dose 1 as soon as adoption is planned, at least 2 weeks before adoptee's arrival)

- **Pregnancy** if at risk for infection or severe outcome from infection during pregnancy

- **Settings for exposure**, including health care settings targeting services to injection or noninjection drug users or group homes and nonresidential day care facilities for developmentally disabled persons (individual risk factor screening not required)

Hepatitis B vaccination

Routine vaccination

- **Age 19 through 59 years: complete a 2- or 3- or 4-dose series**
 - 2-dose series only applies when 2 doses of Heplisav-B* are used at least 4 weeks apart
 - 3-dose series Engerix-B, PreHevbrio*, or Recombivax HB at 0, 1, 6 months [minimum intervals: dose 1 to dose 2: 4 weeks / dose 2 to dose 3: 8 weeks / dose 1 to dose 3: 16 weeks])
 - 3-dose series HepA-HepB (Twinrix at 0, 1, 6 months [minimum intervals: dose 1 to dose 2: 4 weeks / dose 2 to dose 3: 5 months])
 - 4-dose series HepA-HepB (Twinrix) accelerated schedule of 3 doses at 0, 7, and 21–30 days, followed by a booster dose at 12 months

***Note:** Heplisav-B and PreHevbrio are not recommended in pregnancy due to lack of safety data in pregnant persons.

Education, Resources and Tools

https://www.cdc.gov/vaccines/ed/index.html

Immunization Education & Training

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The COVID-19 pandemic is changing rapidly and requires different strategies to maintain clinical preventive services, including immunization. Find up-to-date guidance on [childhood](#) and [maternal](#) vaccination and clinical practice.



COVID-19 Vaccination Training Programs & Reference Materials



Find a list of immunization training and educational materials, including basic and COVID-19-vaccine-specific information.

CDC offers numerous education and training programs for healthcare personnel. A variety of topics and formats are available. All are based on vaccine recommendations made by the Advisory Committee on Immunization Practice (ACIP).

Physicians, nurses, health educators, pharmacists, and other healthcare professionals are invited to apply for continuing education credits/contact hours, when available.

You Call The Shots
Series of modules that explain the latest recommendations for vaccine use that include self-test practice questions

Current Issues in Immunization NetConference (CIINC)
Live, 1-hour presentations via conference call including question and answer session

Resources - CDC.Gov/Vaccines

https://www.cdc.gov/vaccines/hcp/index.html



ACIP Recommendations



Vaccination Schedules



Storage and Handling



Vaccine Administration

Clinical Resources



Childhood Vaccination Toolkit	Vaccine Shortages
General Best Practice Guidelines for Immunization	Standards for Adult Practices
Pink Book (Epidemiology and Prevention of VPDS)	IQIP Program
Vaccine Adverse Event Reporting (VAERS)	Vaccines for Children (VFC)
	Long-term Care Resources

-  Education and Training
-  Immunization Information Systems (IIS)
-  Vaccine Information Statements (VIS)
-  Patient Education

immunize.org

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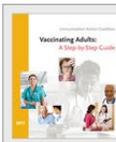


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Vaccinating Adults: A Step-by-Step Guide

Download **FREE** 142-page Guide

www.immunize.org/guide

Favorites | WEB SECTIONS | PRINTABLES

1. COVID-19 Vaccines
2. Ask the Experts: COVID-19
3. Ask the Experts: Administering Vaccines
4. Handouts (educational materials) for Patients

Ask the Experts!

IAC experts answer more than **1,000** questions from healthcare professionals about vaccines and their use.

▶ Read Ask the Experts



65+ FLU DEFENSE™

Help Shield Older Adult Patients from Influenza

"Dear Colleague" letter from AAFP, ACOG, ACP, and IAC urges healthcare professionals to strongly recommend HPV vaccine for their patients



IAC's COVID-19 web page

for up-to-date information



Available in English and Spanish

FREE Buttons and Stickers



WEBINAR WATCH

Fight the flu and COVID-19 too:
Influenza vaccination now and beyond and practical approaches to vaccine coadministration in adults

(12/9/21)



WEBINAR WATCH

Translating COVID-19 Strategies to Improve Influenza Seasonal Flu Vaccination Efforts

(9/20/21)



WEBINAR WATCH

The Continuing Threat of Influenza and How to Sustain Influenza

Clinic Materials

mmunize.org/handouts/

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Handouts for Patients & Staff

Materials for Healthcare Professionals and Their Patients

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[VACCINE INDEX](#)
[LANGUAGE INDEX](#)
[VIEW ALL MATERIALS](#)

<ul style="list-style-type: none"> ➔ Administering Vaccines ➔ Adolescent Vaccination ➔ Adult Vaccination ➔ Contraindications / Precautions ➔ Documenting Vaccination ➔ Healthcare Personnel ➔ Managing Vaccine Reactions ➔ Parent Handouts ➔ Pregnancy and Vaccines ➔ Q&As: Diseases and Vaccines ➔ Schedules for Patients 	<ul style="list-style-type: none"> ➔ Screening Checklists ➔ Standing Orders Templates ➔ Storage and Handling ➔ Strategies and Policies ➔ Temperature Logs ➔ Vaccine Confidence ➔ Vaccine Recommendations ➔ Top Handouts ➔ What's New: Handouts ➔ Promotional Materials ➔ View All Materials
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[Topic Index](#)
[Vaccine Index](#)
[Language Index](#)
[View All Materials](#)

About IAC Handouts for Patients & Staff

IAC Handouts web section gives users free access to hundreds of vaccination-related handouts and fact sheets for healthcare professionals and the public. All items are ready to print, copy, and distribute widely!

Available in English and Spanish

FREE Buttons and Stickers

Some Popular Handouts

- 
 Summary of recommendations
Summarizes hundreds of pages of vaccine recommendations
[Children and teens](#) | [Adults](#)
- 
 Vaccinations for adults—you're never too old to get immunized
Table covering all adult vaccinations
- 
 How to administer IM and SC
Refer to this illustrated sheet for information about anatomic site, needle size, and needle insertion
- 
 When do children and teens need vaccinations?
Picture of the shot schedule

- ➔ [View IAC's Top Handouts](#)
- ➔ [View All New and Updated Handouts](#)
Chronological listing of new and revised IAC handouts



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Clinic Tools

Helpful Resources for Your Immunization Practice

This section is a one-stop source of practical information for immunization providers. You will find "how-to" information about providing vaccinations in a medical office or non-traditional setting.

- ▶ Administering Vaccines
- ▶ Adolescent Vaccination
- ▶ Adult Vaccination
- ▶ Documenting Vaccinations
- ▶ Scheduling Vaccines
- ▶ Screening for Contraindications
- ▶ Storage & Handling
- ▶ Vaccination and COVID-19
- ▶ Vaccine Recommendations



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Unprotected People Stories

Video of the Week

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Partner Resources

This section offers visitors a collection of essential vaccination resources such as staff education and training materials, tool kits, official vaccine recommendations, and much more.

Centers for Disease Control & Prevention

- ▶ [ACIP Vaccine Recommendations](#)
CDC's home page for ACIP recommendations
- ▶ [General Best Practice Guidelines for Immunization: Best Practices Guidance of ACIP](#)
HTML | PDF
- ▶ [Epidemiology and Prevention of Vaccine Preventable Diseases \(The Pink Book\)](#)
 CDC textbook with comprehensive information on routinely used vaccines and the diseases they prevent

- ▶ [Vaccine Shortages](#)
Current vaccine shortages and delays
- ▶ [Immunization Education and Training](#)
Immunization courses, webcasts, and self-study

Vaccine Adverse Event Reporting System (HHS)

- ▶ [Report an Adverse Event to VAERS](#)
Report clinically important adverse events that occur after vaccination of adults and children

Alliance for Immunization in Michigan

- ▶ [AIM Provider Toolkit](#)
Materials for childhood and adult immunization

California Department of Public Health

- ▶ [EZ-IZ Online Training](#)
 E-learning website for California's VFC Program

Institute for Safe Medication Practices

- ▶ [Vaccine Error Reporting Program \(VERP\)](#)

Coverage Rates – Vax View

The screenshot shows the CDC VaxView website interface. At the top, there is a dark green header with the text 'VaxView'. Below this, a navigation menu on the left lists various categories: 'VaxView Home', 'ChildVaxView', 'SchoolVaxView', 'TeenVaxView', 'AdultVaxView', 'FluVaxView', and 'COVIDVaxView'. The main content area features a large 'VaxView' logo with a magnifying glass icon over the 'V' and a description: 'The VaxView websites provide vaccination coverage data for all ages. Monitoring coverage for recommended vaccinations across the country helps CDC assess how well local areas, states, and the nation are protected from vaccine-preventable diseases.' To the right of this is a light green box titled 'What is Vaccination Coverage and Why is it Important?' containing a paragraph of text. Below the main content, there is a horizontal menu with tabs for 'ChildVaxView', 'SchoolVaxView', 'TeenVaxView', 'AdultVaxView', 'FluVaxView', and 'COVIDVaxView'. The 'ChildVaxView' tab is active, showing a 'View data' link and a paragraph of text about vaccination coverage for children 19 through 35 months old. A 'ChildVaxView' logo with a dog icon is also visible. At the bottom, there is a 'Related Pages' section with a link to 'WHO/UNICEF estimates of national immunization coverage'. The browser's address bar shows 'https://www.cdc.gov/vaccines/vaxview/index.html'.

Child Vax View

https://www.cdc.gov/vaccines/imz-managers/coverage/childvaxview/index.html



ChildVaxView Home

ChildVaxView Interactive!

Publications and Resources

Data Source

Objectives, Targets, and Indicators

For Specific Groups +

Related Links

[SchoolVaxView](#)

[TeenVaxView](#)

[AdultVaxView](#)

[FluVaxView](#)

[COVIDVaxView](#)

[Association of Immunization Managers \(AIM\)](#)

ChildVaxView

Vaccination is an important part of keeping children healthy and protected from potentially serious diseases like measles and whooping cough. CDC's recommended immunization schedule helps protect children from 14 serious diseases by the time they reach 2 years old.

Local, state, and federal health departments use surveys and other data sources such as [immunization information systems \(IISs\)](#) to estimate vaccination coverage (the proportion of children receiving vaccinations) and identify where additional efforts are needed to increase vaccination coverage. ChildVaxView is designed to help you access survey data collected by CDC and translate data into action.

ChildVaxView Interactive!

Find national, regional, state, and selected local area data using interactive maps, trend lines, bar charts, tables, and more.

Publications and Resources

Read *MMWR* articles, reports, and presentations related to childhood vaccination coverage.

Data Source

Learn how CDC estimates childhood vaccination coverage, including where we get our data.

Objectives, Targets, and Indicators

Learn about the childhood *Healthy People 2020* vaccination objectives and Healthcare Effectiveness Data and Information Set (HEDIS) measures.

For Specific Groups

- [Health Care Professionals](#)
- [Parents](#)
- [NIS-Child Survey Participants](#)
- [Media](#)

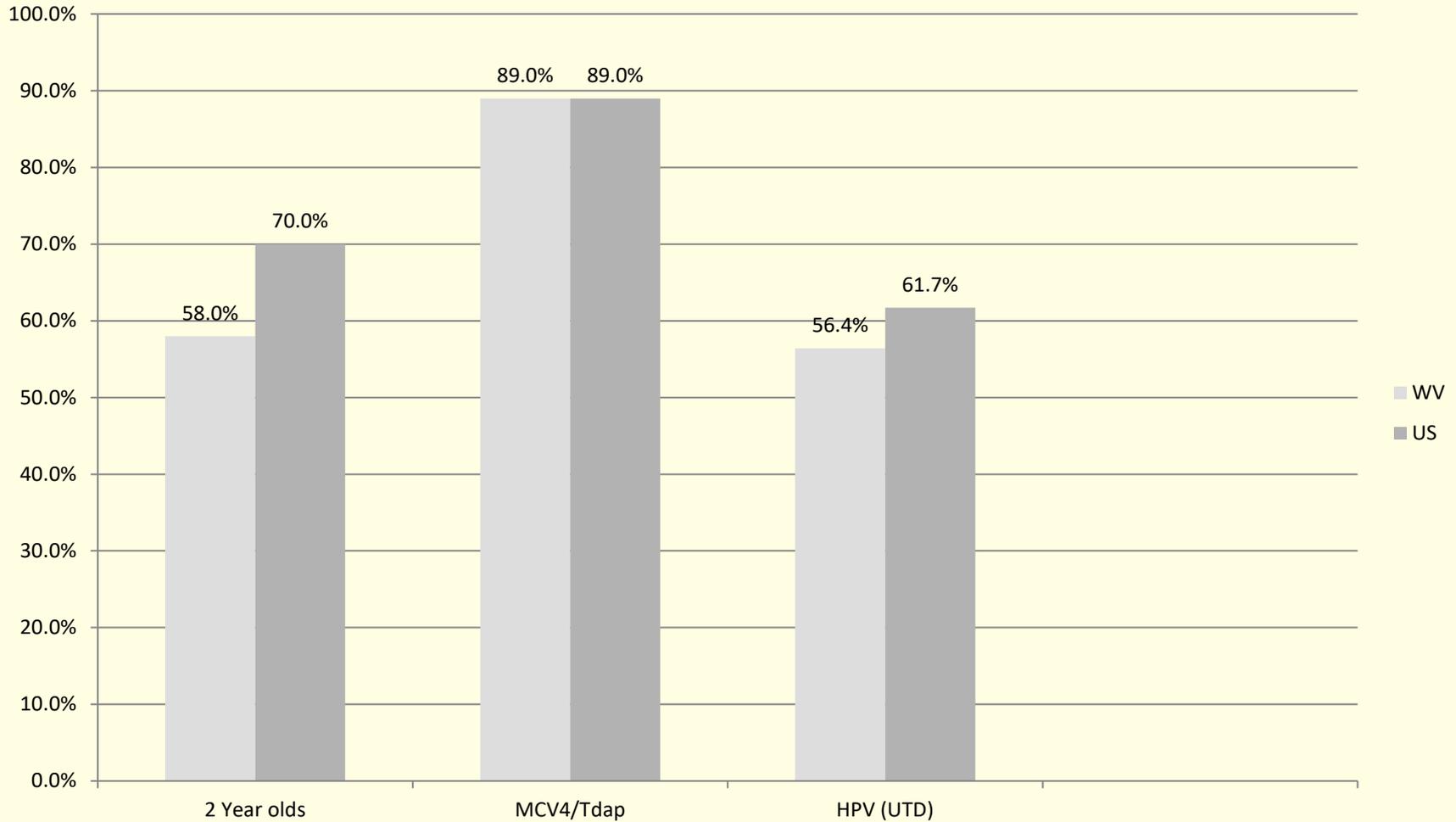
All of the following vaccinations by age 2

- 4 DTaP
- 3 polio
- 1 MMR
- 3 hepatitis B
- 3 (or 4) Hib*
- 1 Varicella
- 4 PCV

Definition of age 2 varies – 19-35 months, 24-35 months, 24 months, 35 months

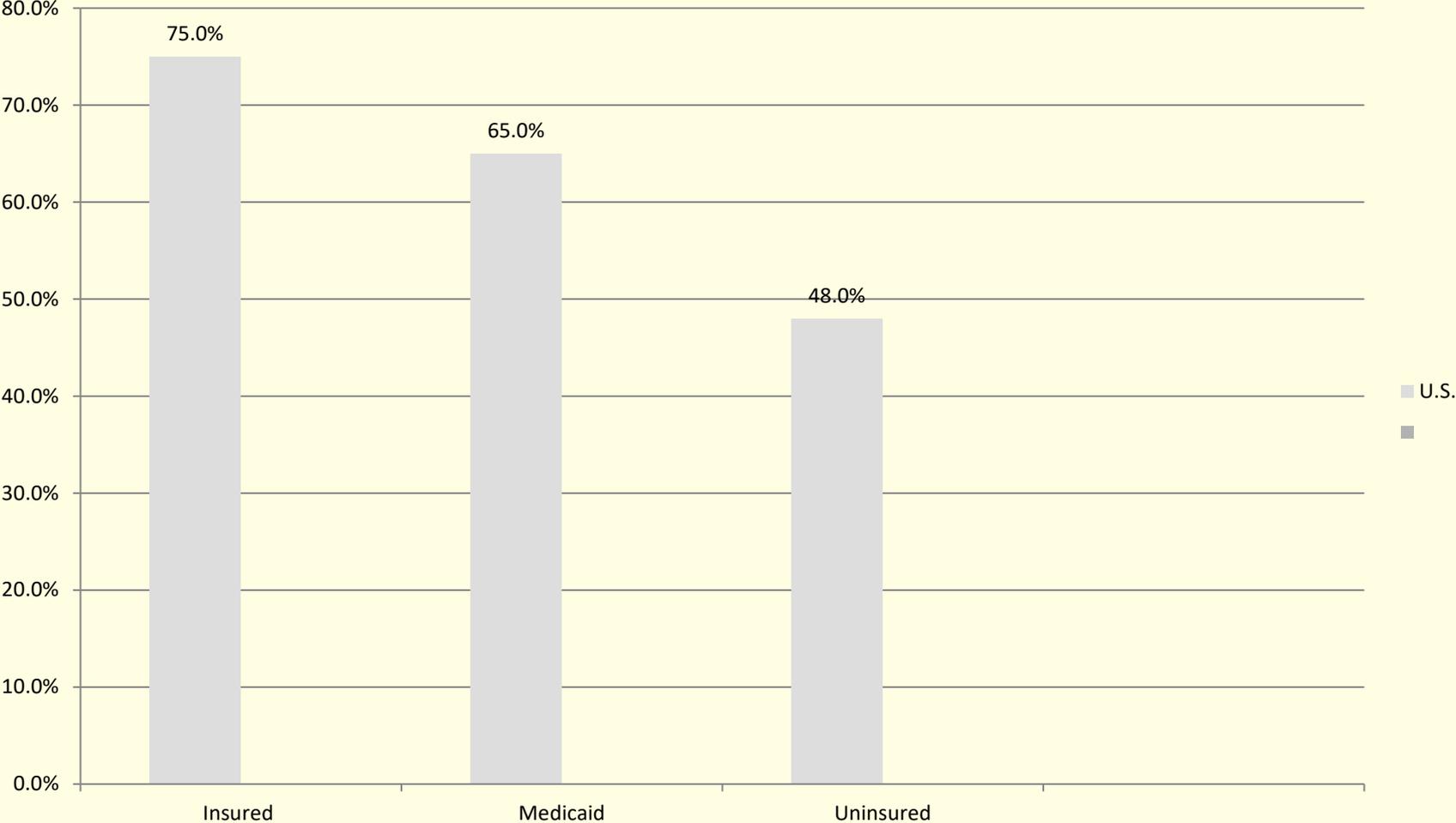
Child Coverage Rates

Child Immunization Rates



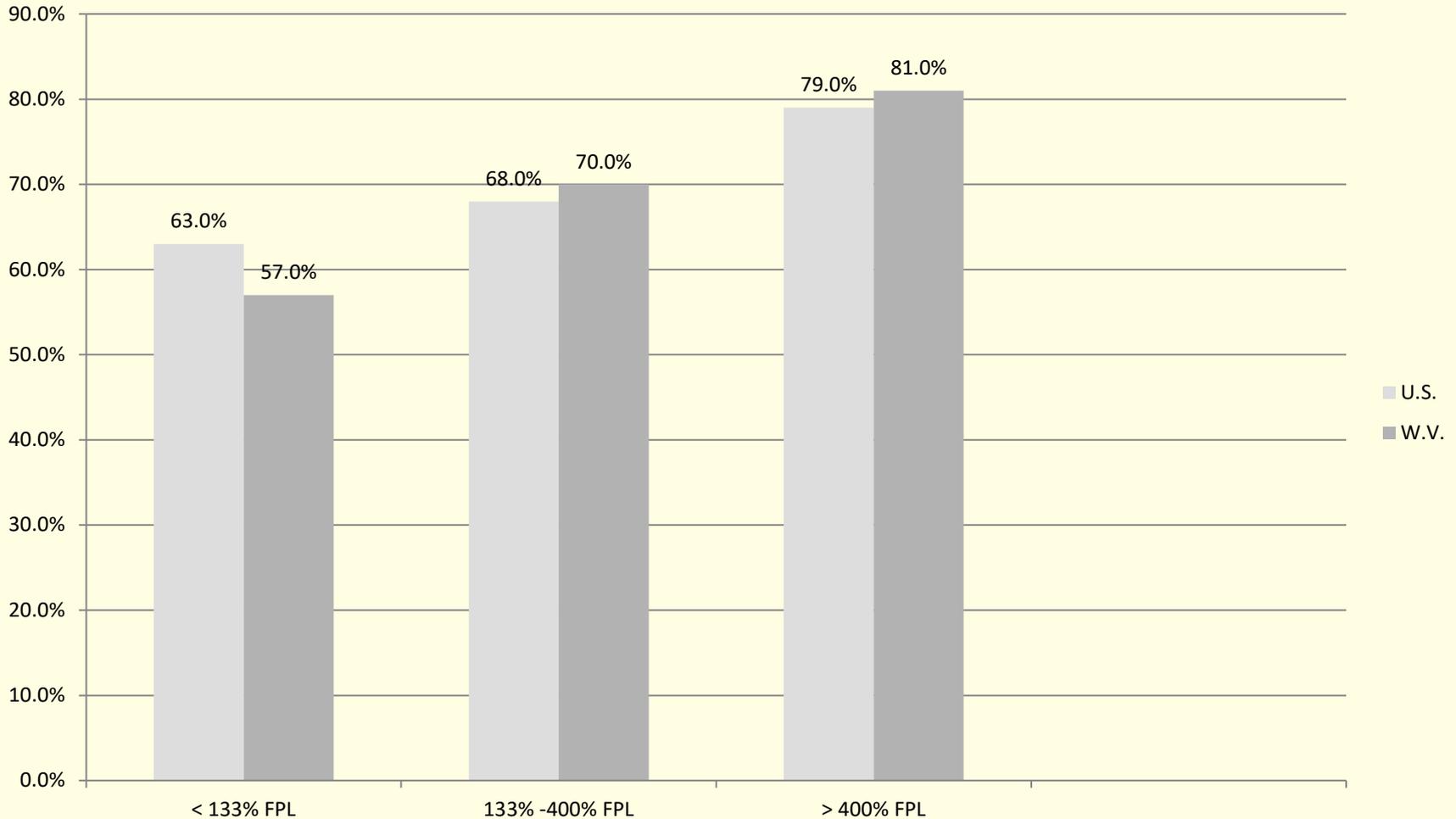
Coverage Rates By Insurance Status

2 Y.O. Coverage By Insurance Status



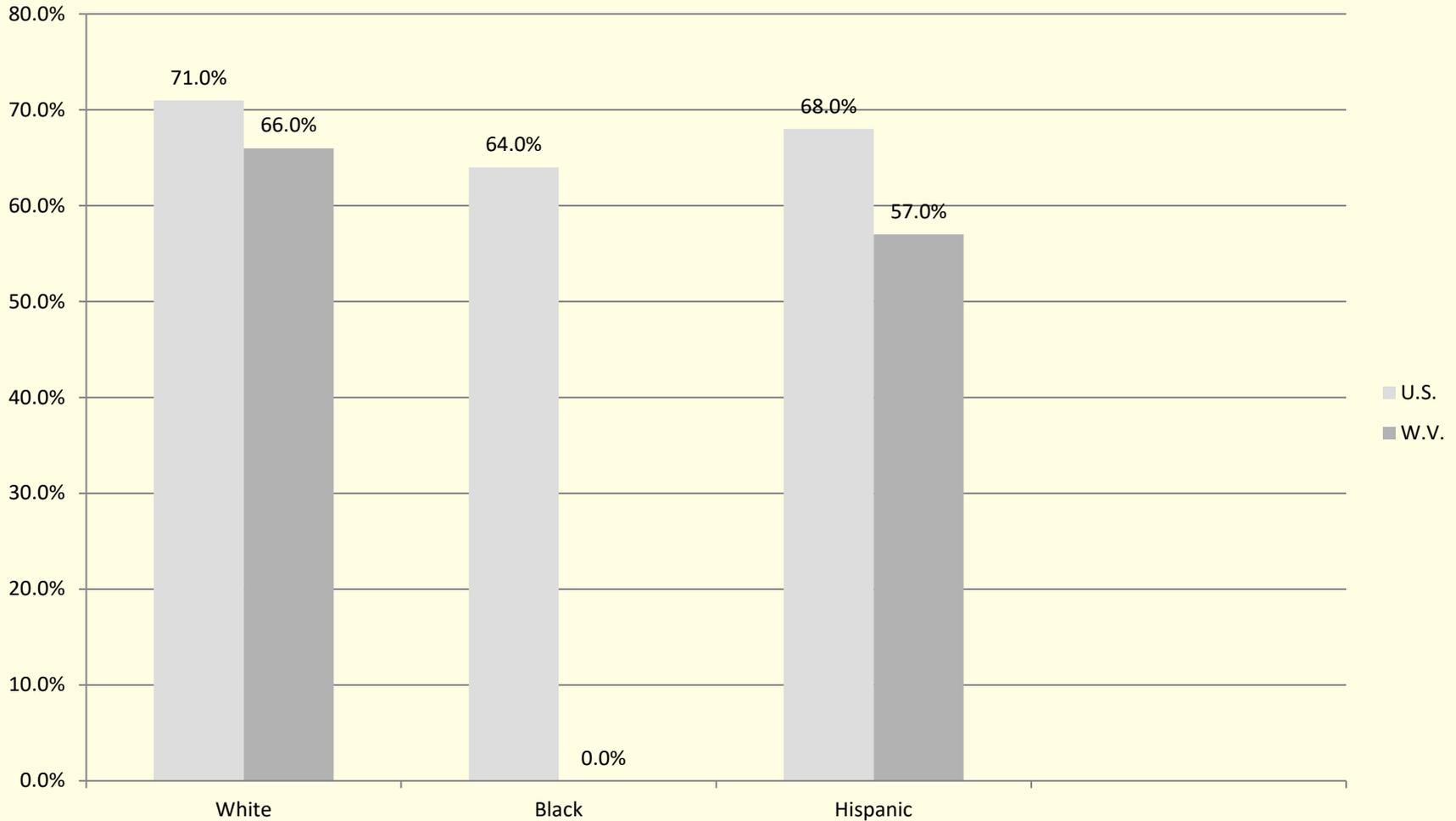
Coverage Rates By Poverty Level

2 Y.O. Coverage By Poverty Level



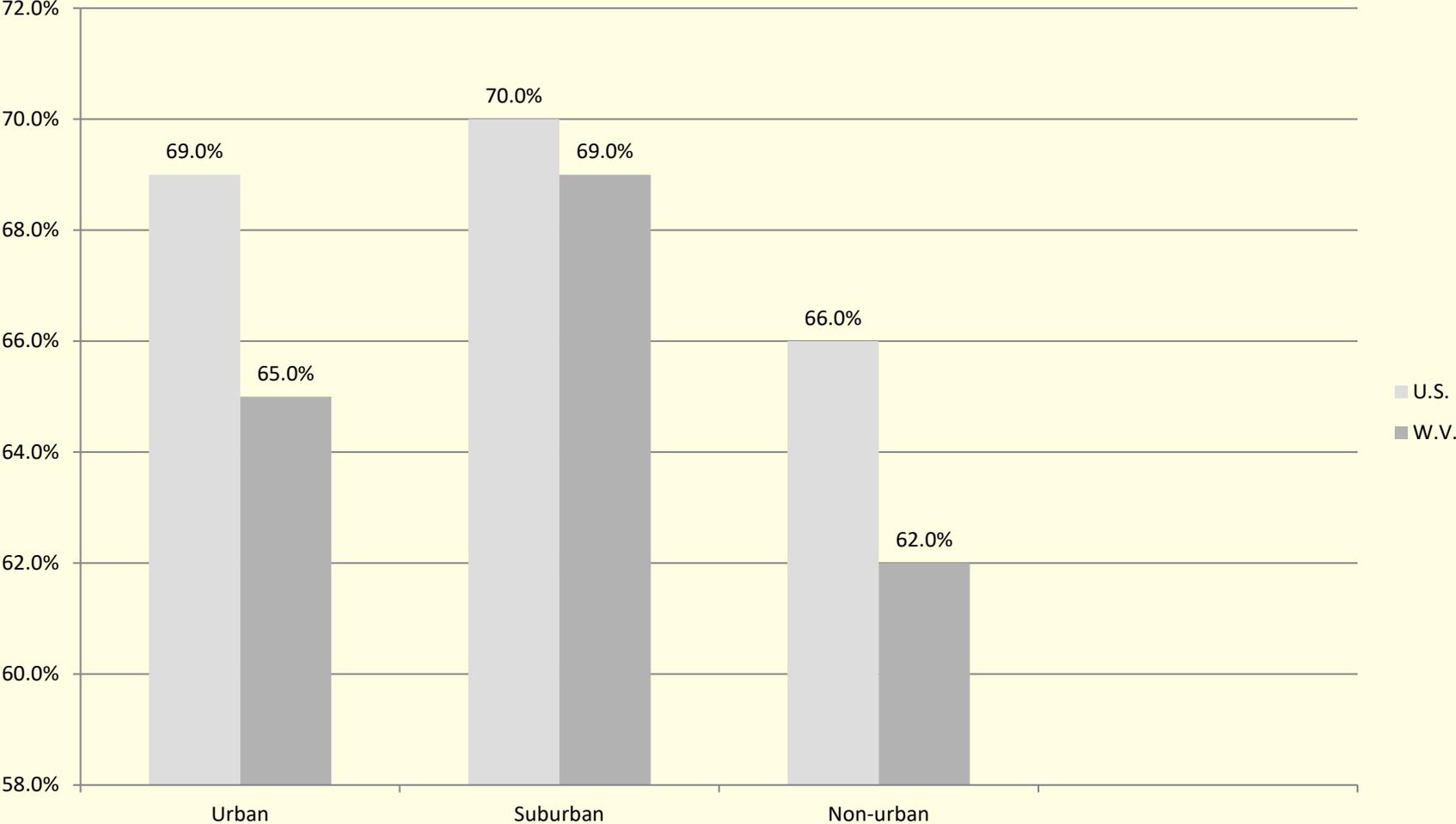
Coverage Rates By Race

2 Y.O. Coverage By Race



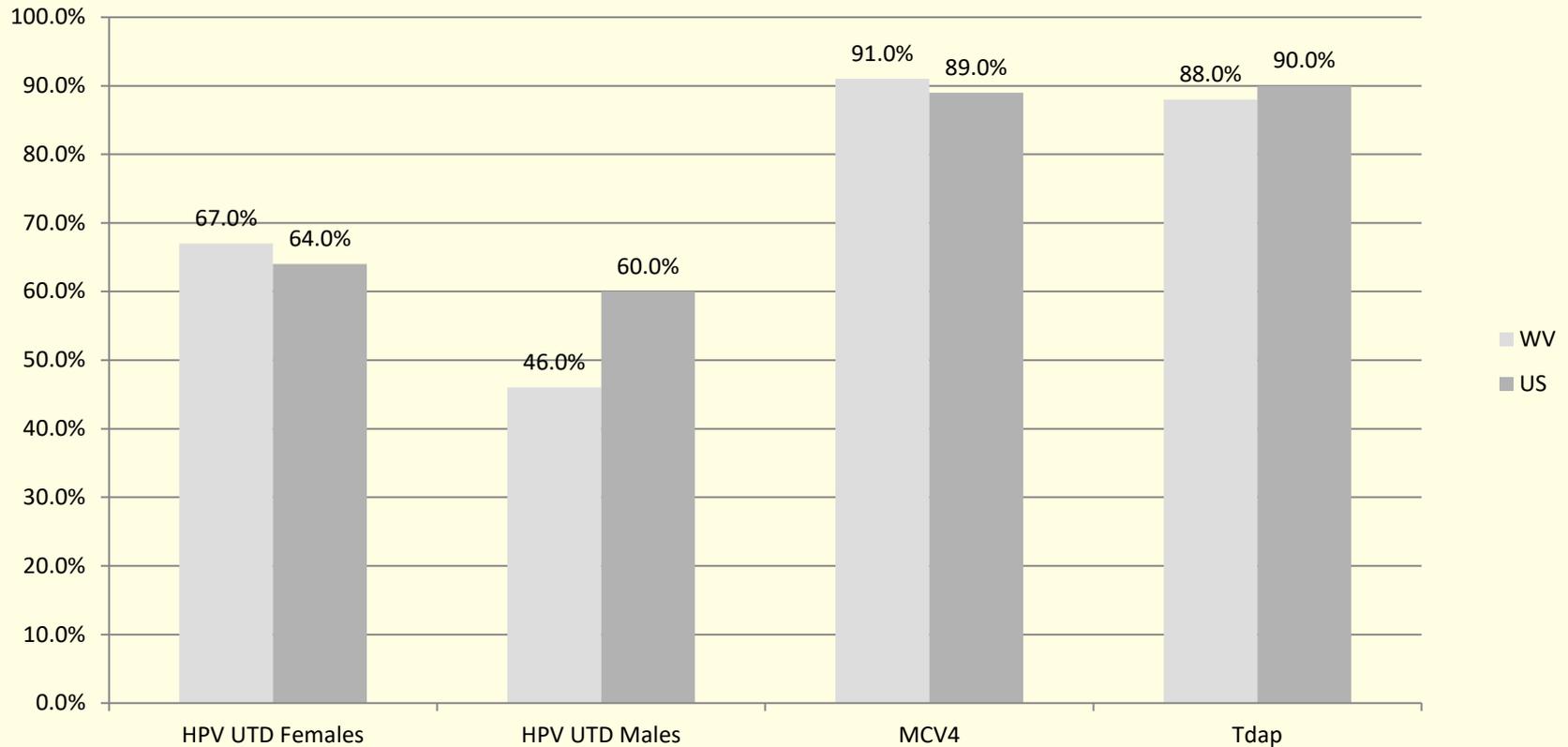
Coverage Rates by Urbanicity

2 Y.O. Coverage By Urbanicity



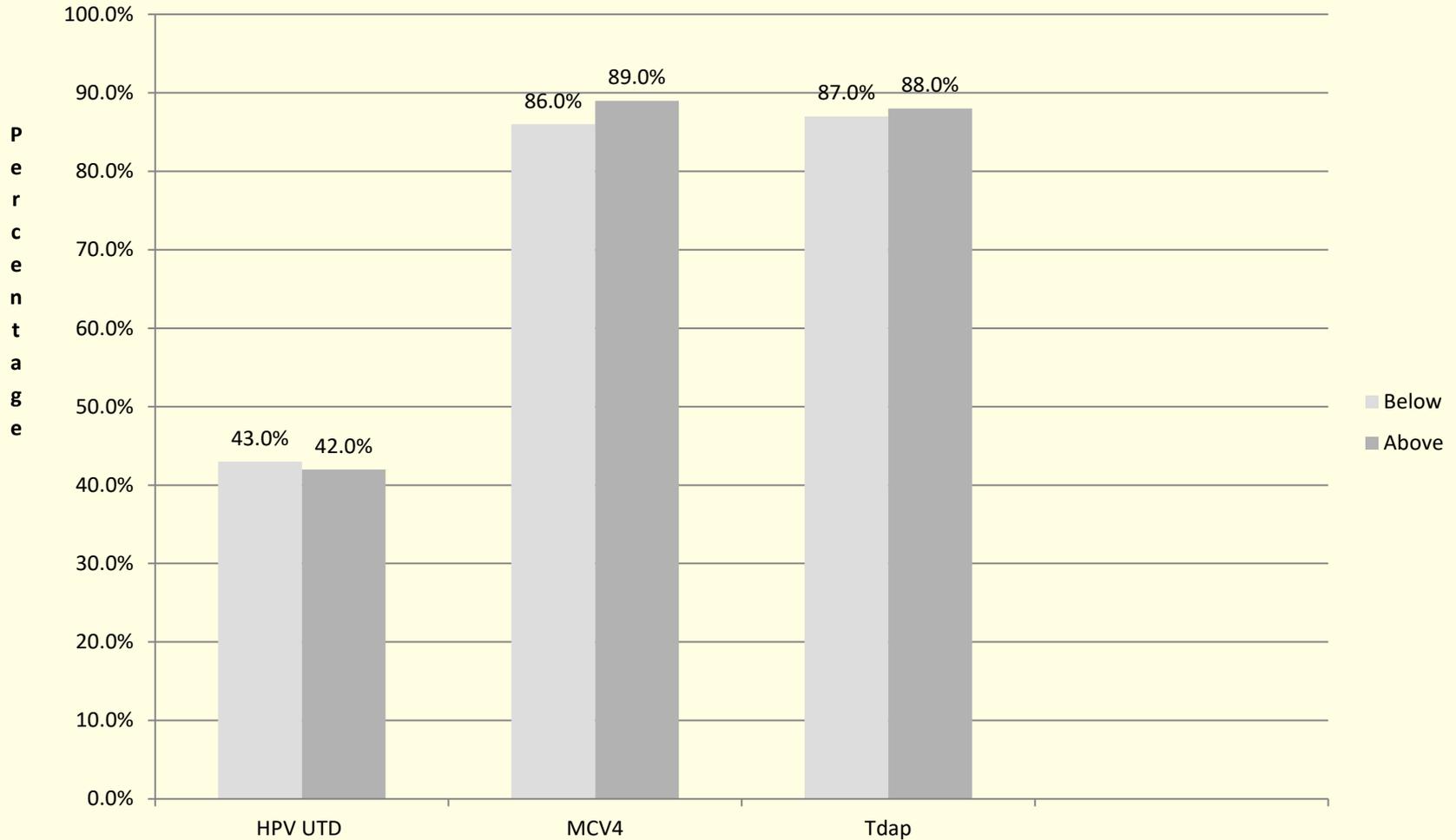
Teen Coverage Rates (13-17 Years)

National Immunization Survey Data



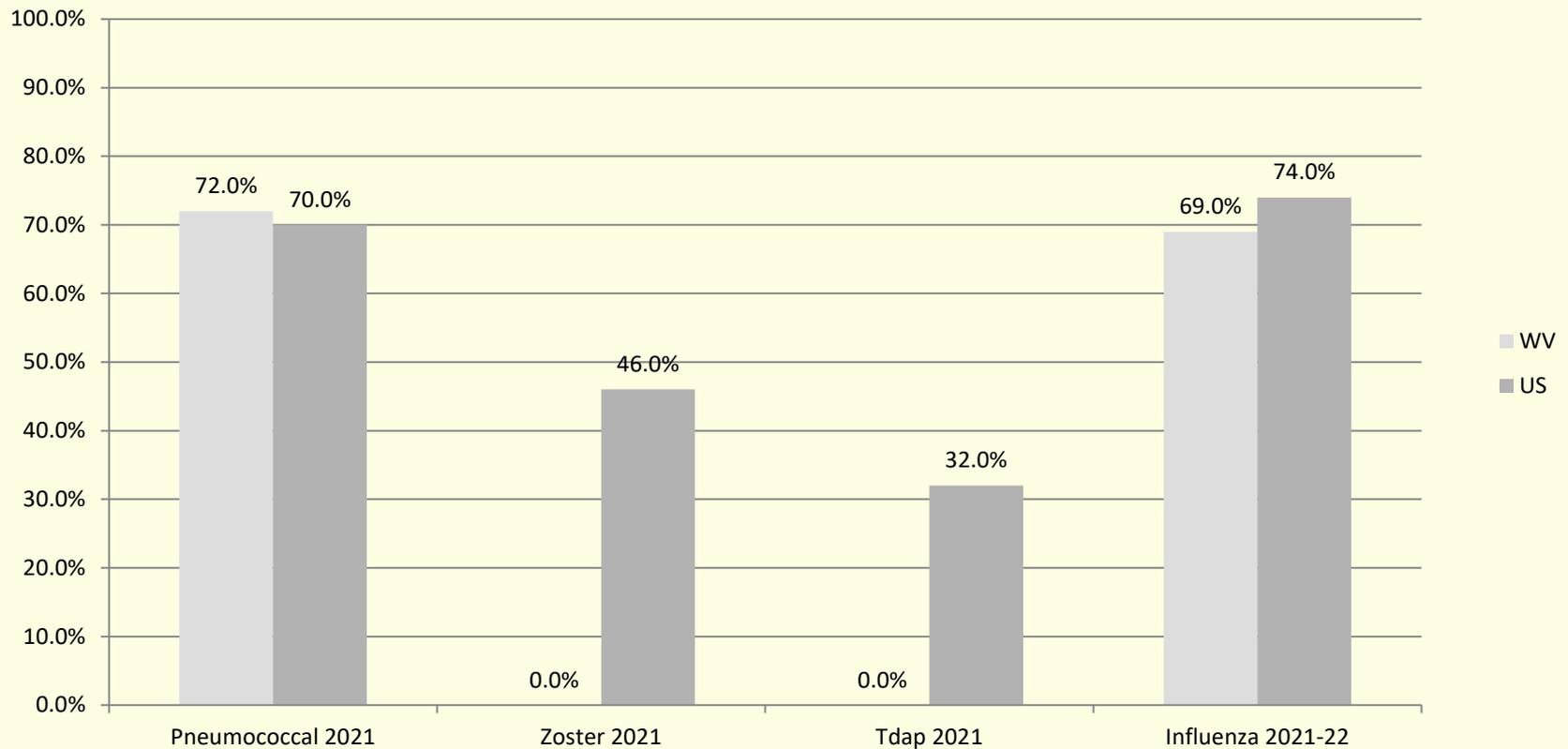
Teen Coverage Rates By Poverty Level

WV Teen Coverage Rates By Poverty Level



Adult Coverage Rates (≥ 65 Years)

Coverage Rates for Adults 65+



Why is Vaccine Safety increasing in Importance?

- **Public confidence in vaccine safety is critical**
- **Higher than ever standard of safety for vaccines**
- **Recipients are generally healthy vs. consumers of other pharmaceuticals**
- **As disease risks decrease, attention on vaccine risks increase**
- **Vaccinations universally recommended and mandated**
- **Lower risk tolerance means adverse reactions must be investigated thoroughly**

- **Three phase process of trials in humans**
- **Performed first in the laboratory, then with animals, finally with humans**
- **Common reactions are identified**
- **Vaccines are tested in thousands of persons before being licensed**

- **Identify rare reactions**
- **Monitor increases in known reactions**
- **Identify risk factors for reactions**
- **Identify vaccine lots with unusual rates or types of events**
- **Identify signals that portend an increased chance of an adverse event**

What is the VSD?

- **Large database which links vaccination and health records**
- **Detects adverse events following vaccination in near real time so the public can be informed quickly of possible risks**
- **An active surveillance system**
- **Populated by 13 large Health Maintenance Organizations**
- **Crucial to vaccine safety monitoring**

Objectives of the VSD

- **To conduct research on important vaccine safety questions in large populations**
- **To conduct vaccine safety studies that come from questions or concerns in the medical literature or from other vaccine safety systems, like VAERS**
- **To monitor possible adverse events when new vaccines are licensed or when there are new vaccine recommendations**
- **To provide information to committees who make recommendations for the nation**

Vaccine Adverse Event Reporting System (VAERS)

- **VAERS is often misunderstood**
- **Passive reporting system administered by the CDC and FDA**
- **A VAERS report is only that – it does not establish causation, and is not in itself establishment of any fact or event**
- **Receives approximately 15,000 (non-COVID-19) reports per year**
- **May be reported to the Division of Immunization Services or if administered in an LHD or directly to VAERS**

- **VAERS helps to detect:**
 - **New or rare events**
 - **Increases in rates of known side effects**
 - **Patient risk factors**

- **VAERS signals confirmed through additional studies**

- **Not all reported vaccine reactions causally related to vaccine**

Classification of VAEs

- **Vaccine-induced**
- **Vaccine-potentiated**
- **Programmatic Error (Provider's Role)**
- **Coincidental**

Role of the Provider In VAE

- **Store and administer vaccines properly**
- **Adhere to guidelines for timing and spacing of vaccines**
- **Observation of contraindications and precautions**
- **Management of side effects**
- **Report suspected VAEs to VAERS**
- **Communicate vaccine benefits/risks**

Contraindication:

A condition in a recipient that increases the chance of a serious adverse event

Precaution:

A condition that might increase the chance or severity of an adverse event or compromise the ability of the vaccine to produce immunity

Two conditions considered permanent contraindications to a vaccination

- Severe (anaphylactic) allergic reaction to a vaccine component or following a prior dose of vaccine
- Encephalopathy not due to another identifiable cause within 7 days of vaccination

There are two temporary contraindications to vaccination with *live-virus* vaccines:

- **Pregnancy**
- **Immunosuppression**

Examples of Invalid Contraindications

- **Minor illness**
- **Mild/moderate local reaction or fever following a prior dose**
- **Disease exposure or convalescence**
- **Pregnancy or immunosuppression in the household**
- **Premature birth**
- **Breastfeeding**
- **Allergies to products not in the vaccine**
- **Family history (unrelated to immunosuppression)**

Vaccine Injury Compensation Program

National Childhood Vaccine Injury Act 1986 created the National Vaccine Injury Compensation Program (VICP)

- Ensures adequate supply of vaccines
- Ensures stability with vaccine costs
- Maintains an accessible and efficient forum for individuals found to be injured by certain vaccines

NOTE:

VICP is a no-fault alternative to the traditional tort system for resolving vaccine claims that provides compensation to people found injured by certain vaccines.

The burden of proof is lighter than traditional court and is based upon a preponderance of evidence.

Thank You

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Division of Immunization Services

Bureau for Public Health

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Jeffrey.j.Neccuzi@wv.gov

<https://oeps.wv.gov/immunizations>