



**TEXAS**  
Health and Human  
Services

**Texas Department of State  
Health Services**

# **Adolescent Health**

## **and the Topple Meningococcal Project**

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# Agenda

- Adolescent Health
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# Adolescent Health

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# Adolescent-Specific Vaccines

- The Advisory Committee on Immunization Practices (ACIP) recommends that adolescents (12–18 years) should receive the following:
  - Meningococcal B (MenB) vaccine
  - Meningococcal ACWY (MenACWY) vaccine
  - Human papillomavirus (HPV) vaccine
  - Tetanus, diphtheria, and pertussis (Tdap) vaccine
  - Flu vaccine
  - COVID-19 vaccine

# Texas Schools

## Minimum Vaccine Requirements

- [Texas Administrative Code](#) requires children and students to show acceptable evidence of vaccination prior to entry, attendance, or transfer to a childcare facility, public or private primary and secondary schools, and institutions of higher education.
- Adolescent students must have evidence of the following:
  - Poliovirus vaccine (IPV)
  - Measles, mumps, and rubella (MMR) vaccine
  - Hepatitis A vaccine
  - Hepatitis B vaccine
  - Varicella vaccine
  - Tdap vaccine
  - MenACWY vaccine

# Pediatric Immunizations

## Practice Standards

- The National Vaccine Advisory Committee (NVAC) established standards in 1987. The 18 standards represent the most desirable practices for all health care providers and immunization programs to increase childhood and adolescent vaccination coverage.



# Pediatric Immunizations

## Practice Standards Continued

- The standards provide guidance on practices that eliminate barriers to vaccination, including:
  - Eliminating unnecessary prerequisites for receiving vaccinations
  - Eliminating missed opportunities to vaccinate
  - Improving procedures to assess vaccination needs
  - Enhancing knowledge about vaccines among parents
  - Improving management and reporting of adverse events
  - Using recall and reminder systems
  - Using assessments to monitor clinic or office vaccination coverage levels

Source: [CDC](#)



# 2023–2024 Data:

## Annual Report of Immunization Status

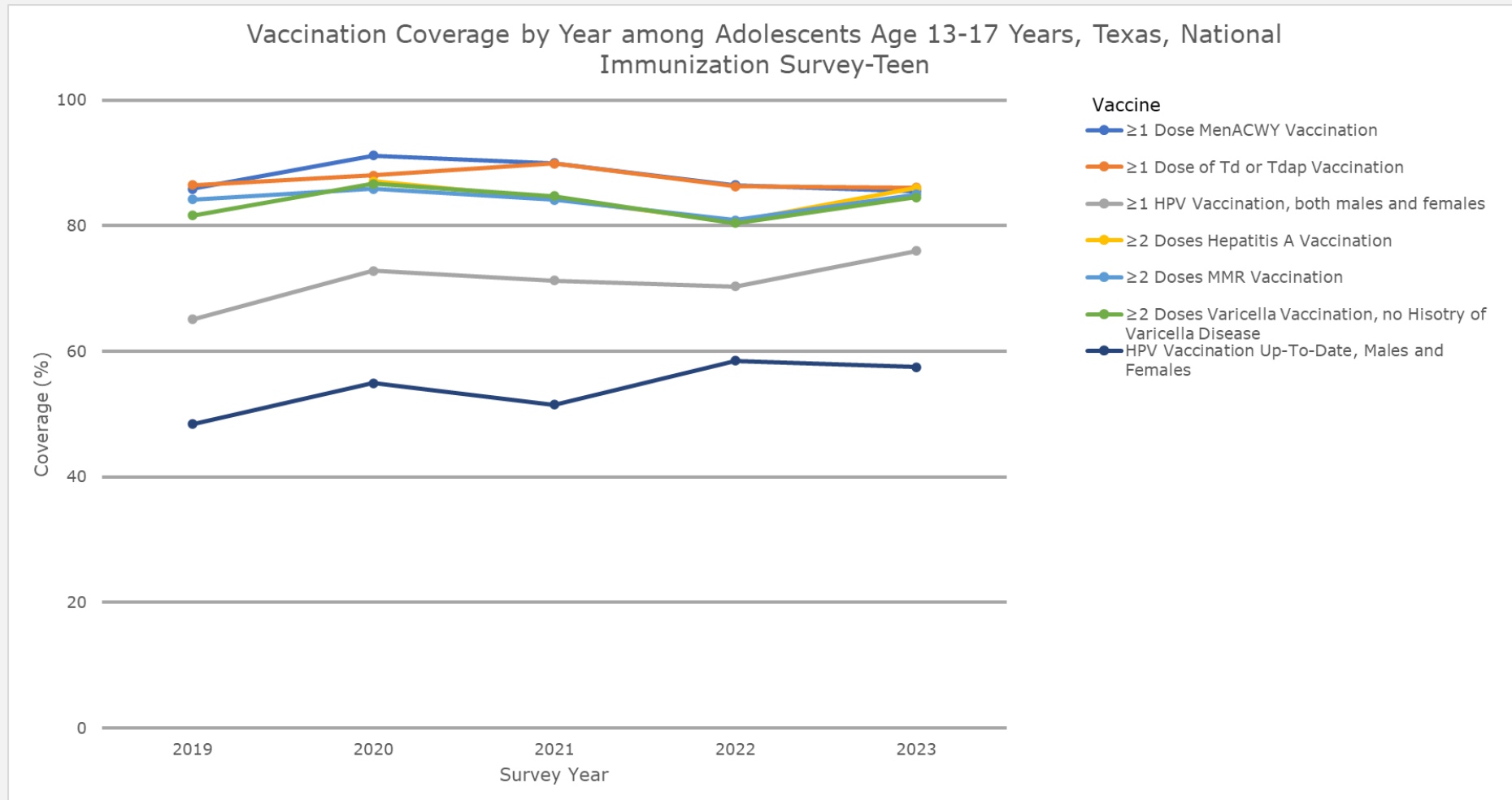
### Adolescent School Vaccination Coverage Rates by Public Health Region

	<b>Tdap/Td</b>	<b>Hepatitis A</b>	<b>Hepatitis B</b>	<b>MCV4</b>	<b>MMR (two doses)</b>	<b>Polio</b>	<b>Varicella (two doses)</b>
<b>PHR 1</b>	<b>93.86%</b>	97.37%	97.89%	<b>93.88%</b>	98.09%	97.72%	97.60%
<b>PHR 2/3</b>	<b>93.48%</b>	96.73%	97.30%	<b>93.66%</b>	97.52%	97.16%	96.93%
<b>PHR 4/5N</b>	95.28%	97.45%	97.88%	95.44%	97.94%	97.72%	97.62%
<b>PHR 6/5S</b>	<b>92.56%</b>	96.66%	96.82%	<b>90.65%</b>	96.87%	96.55%	96.44%
<b>PHR 7</b>	<b>91.28%</b>	96.62%	97.05%	<b>91.38%</b>	97.67%	96.93%	96.70%
<b>PHR 8</b>	<b>93.60%</b>	97.17%	97.47%	<b>93.55%</b>	97.68%	97.54%	97.52%
<b>PHR 9/10</b>	<b>92.19%</b>	97.49%	98.31%	<b>91.61%</b>	98.16%	97.89%	97.65%
<b>PHR 11</b>	97.41%	98.96%	99.29%	97.32%	99.26%	99.13%	99.00%

Data retrieved from 2023–2024 Annual Report of Immunization Status on Nov. 1, 2024

# 2023-2024 Data:

## 2023 National Immunization Survey-Teen



Data retrieved from CDC [TeenVaxView](https://www.cdc.gov/teenvaxview/) on Nov. 27, 2024.

# Communication Methods

- Educating parents and guardians on immunizations in general terms is an important practice and supported by the Standards for Pediatric Immunization Practices.
- Understanding your audience:

1. Understanding knowledge, perceptions, beliefs, motivations, and barriers to vaccination as well as the audiences' communication preferences.

2. Creating tailored messages and materials by incorporating values that resonate, invite conversations, and provide details on how to become vaccinated.

3. Get audience feedback by including them in the design process and evaluating the effectiveness of the materials.

# Communication Methods:

## Motivational Interviewing

- Motivational interviewing is an evidence-based approach to behavior change.
- OARS method:
  - Open-ended questions
  - Affirmations
  - Reflective listening
  - Summarize

# OARS

- Open-Ended Questions:
  - Typically start with words such as “how” or “what” or “tell me about” or “describe.”
    - “What are your concerns about the meningococcal vaccine?”
    - “Tell me about your last experience receiving a vaccine.”
    - “What challenges do you face to receive the vaccine?”
    - “What information would you like to know for me to help decrease your anxiety about the vaccine?”
- Affirmations:
  - “I appreciate your willingness to speak with me today about your concerns. I am proud you are prioritizing your health.”
  - “I greatly enjoyed talking with you today. I hope I addressed all the questions you have.”
  - “You handled yourself really well in that situation.”

# OARS Continued

- Reflective Listening:
  - Reflections are statements. Statements ending with downward inflection (as opposed to questions) tend to work better to allow patients to have words that start a response.
    - “It sounds like you...”
    - “You are wondering if...”
    - “So, you feel...”
    - “Please say more about...”
- Summarize:
  - “So, let me see if I got this right...”
  - “So, you have been saying...is that correct?”
  - “Here is what I heard. Please tell me if I missed anything.”
  - “What you said is important. I value what you say.”
  - “We covered that well. Let’s talk about...”

# Communication Methods

## Addressing Vaccine Education



Listen to and analyze vaccine information shared within community and social media



Engage with the community about vaccines



Address intentional and unintentional messaging



Share accurate information to address questions

# Reports

## Community Needs Assessments

- Community needs assessments (CNAs) are annual surveys for Responsible entities (REs).
- CNAs assist all REs with developing metric-based initiatives.
- For questions regarding this survey, please email [Imm.Action@dshs.Texas.gov](mailto:Imm.Action@dshs.Texas.gov)

1. Which Public Health Region or Local Health Department do you represent?  
(ex: Public Health Region, Local Health Department) \*

-- Please Select --

2. Please enter your email address. \*

3. Please enter your phone number.

4. What is your position at your PHR or LHD? \*

5. Please select a metric for immunization coverage improvement. \*

-- Please Select --

6. Do you plan to develop an intervention based on your selected metric? \*

YES

NO



# Reports Matrix

Matrix report:

- Annual report for REs
- Snapshot of immunization metrics from various immunization program areas
- Foundation for CNA activities

For questions regarding this report, please email [Imm.Epi@dshs.texas.gov](mailto:Imm.Epi@dshs.texas.gov)

Matrix of Community Assessment Measures for Texas

Population Estimates		
Measure	RE	
0-18 Population (n)	8,861,723	
TVFC Eligible Population 0-18 (n)	5,298,923	

ImmTrac2 Participation		
Measure	RE	
Children consented into ImmTrac2 (n)	6,915,262	
TVFC Providers in ImmTrac2 (n)	3,177	

QA/QC Measures		
Measure	RE	Goal
Pediatric Vaccine Waste (n) doses	292,788	N/A
Pediatric Vaccine Waste (%)	4.20%	0%
Average PEAR Score (%)	95.60%	100%

Childhood Vaccination		
Measure	RE	Goal
4:3:1:3:3:1:4 series Coverage (%)	38.30%	80%
TVFC DTaP Doses Administered (n)	1,162,268	N/A
TVFC MMR Doses Administered (n)	614,200	N/A
Non-Compliant Schools (%)	11.60%	0%

Adolescent Vaccination		
Measure	RE	Goal
TVFC HPV Doses Administered (n)	490,415	N/A
HPV Initiation (%)	52.00%	N/A
HPV Coverage (Completion) (%)	16.70%	80%
HPV:Tdap Ratio	1.34	2.00

Influenza Vaccination		
Measure	RE	Goal
TVFC Pediatric Flu Coverage (%)	25.90%	70%
TVFC Pediatric Flu Utilization (%)	82.50%	N/A

Adult Vaccination		
Measure	RE	
First Responders consented into ImmTrac2 (n)	159,476	

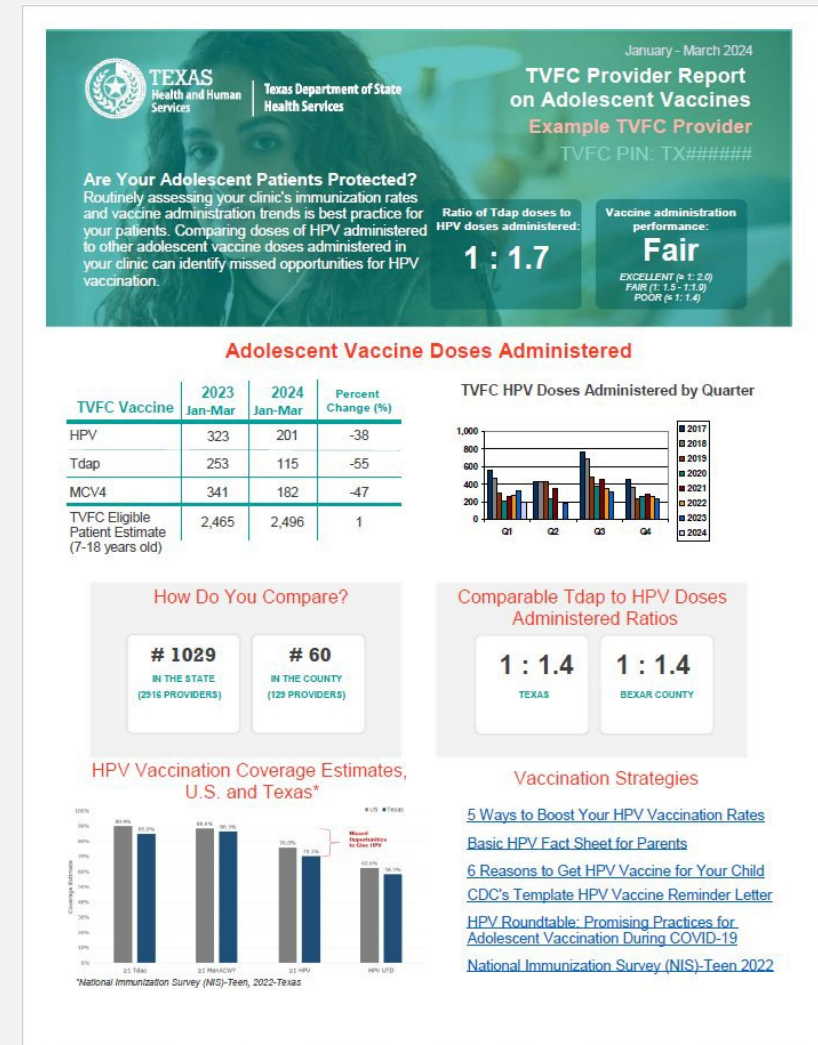
Perinatal Hepatitis B Prevention Program		
Measure	RE	Goal
Moms w/o birth info past est. due date (EDD) (n)	147	0
Moms w/o birth info past est. due date (EDD) (%)	23.30%	0

# Reports

## HPV/Tdap Ratio

- The HPV/Tdap Ratio Report is a quarterly report for Texas Vaccines for Children (TVFC) providers and REs.
- The report helps identify gaps in HPV/Tdap vaccination and strategies to increase vaccination

For questions regarding this report, please email [Imm.Epi@dshs.texas.gov](mailto:Imm.Epi@dshs.texas.gov)

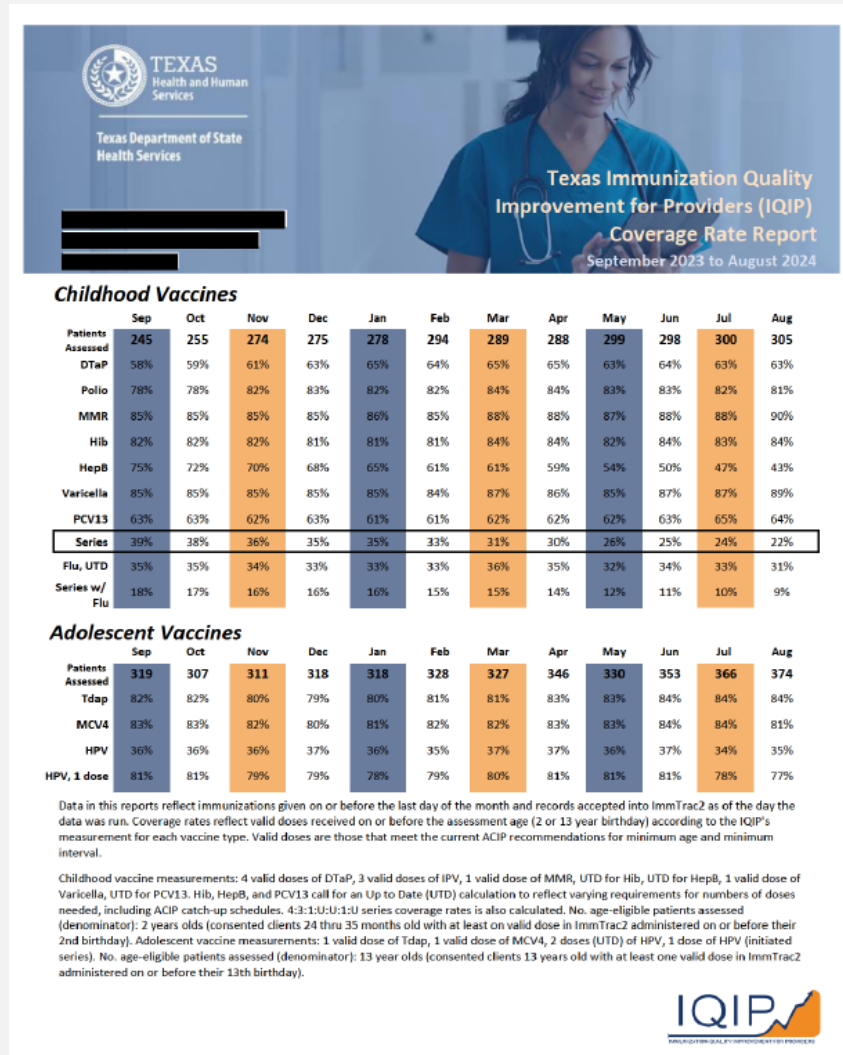


# Reports

## IQIP Coverage Rate

- Immunization Quality Improvement for Providers (IQIP) Coverage Rate Report is a monthly report for TVFC providers and REs.
- The report helps identify opportunities within each clinic to increase specific childhood and adolescent vaccines by a patient's second and 13<sup>th</sup> birthdays.

For questions regarding this report, please email [IQIP@dshs.texas.gov](mailto:IQIP@dshs.texas.gov)



# Reports

## Meningococcal Provider

- The meningococcal provider report is a monthly report for TVFC providers.
- The report shows overall use of meningococcal vaccinations, coverage rates, and facts about meningococcal disease.

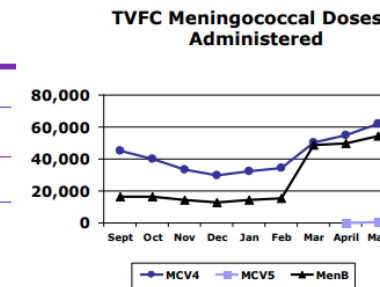
For questions regarding this report, please email [Imm.Epi@dshs.texas.gov](mailto:Imm.Epi@dshs.texas.gov)

May 2024  
**TVFC Provider Report on Meningococcal Texas**  
 TVFC PIN: TX000000

**20.8%**  
 MenACWY Coverage in Texas

Meningococcal Disease and Vaccines  
[Meningococcal Meningitis FAQs](#)  
[Outbreaks of Meningococcal Disease](#)  
[Meningococcal Vaccines Fact Sheet for Teens](#)  
[Pentavalent Meningococcal Vaccine Penbraya](#)  
[Meningococcal Vaccines Fact Sheet in Spanish](#)

ImmTrac2	April 2024	May 2024	Percent Change
MenACWY Initiation	71.5%	71.4%	0.1%
MenACWY Up-to-Date	20.6%	20.8%	-1.1%
MenB Initiation	18.3%	18.3%	-0.2%
MenB Up-to-Date	6.1%	6.1%	0.4%



**6.1%**  
 MenB Coverage in Texas

MenB Coverage in Texas

	TVFC Doses Shipped	TVFC Doses Administered	Doses Reported to ImmTrac2
MCV4	42,353	34,902	61,992
MenB	18,190	15,475	54,468
MCV5	1,284	94	283

### Meningococcal Vaccination

Only 20.8% of 16-18 year olds in Texas have received both doses of MCV4, and only 6.1% received both doses of MenB vaccines (Source: ImmTrac2, May 2024). Parents consider their child's health care professionals to be their most trusted source of information when it comes to vaccines. With this unique position, your strong recommendation is critical for vaccine acceptance. Refer to think link below to learn more.  
[Prepare for Questions Parents May Ask About Vaccines](#)

# Topple Meningococcal Project

Eilish McGhee



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# Meningococcal Disease

- The bacterium *Neisseria meningitidis* causes meningococcal disease, a serious and potentially life-threatening infection.
  - There are six serogroups (A, B, C, W, X, Y) or types, of *Neisseria meningitidis* that cause most meningococcal disease worldwide.
    - Serogroups B, C, and Y cause most cases of meningococcal disease in the United States.
- People spread meningococcal bacteria through close or lengthy contact with others.
  - One in 10 people are carriers of the bacteria in the throat but do not have the disease.
- Many factors affect someone's risk for meningococcal disease, including age and certain medical conditions and medicines.

Source: [cdc.gov/meningococcal/about/index.html](https://www.cdc.gov/meningococcal/about/index.html)

# Meningococcal Disease

## Continued

- The two most common types of meningococcal infections are meningitis and bloodstream infections.
- Even with treatment, around one in six people with invasive meningococcal disease will die, sometimes in as little as 24 hours.
- One in five may suffer serious and permanent complications including brain damage, kidney damage, hearing loss, and amputations.

Source: [cdc.gov/meningococcal/about/index.html](https://www.cdc.gov/meningococcal/about/index.html)

# Meningococcal Vaccines

## MenACWY and MenB

- There are three types of meningococcal vaccines that target different serogroups of meningitis-causing bacteria.
- Vaccination against one subtype of bacteria does not protect you from other subtypes of bacteria.

Vaccination	Protection against Meningitis A, C, W, and Y?	Protection against Meningitis B?
MenACWY (MCV4)	✓	✗
MenB	✗	✓
MenACWY (MCV4) and MenB	✓	✓



# Meningococcal Vaccines

## Pentavalent

- On October 20, 2023, the Food and Drug Administration (FDA) approved the MenABCWY vaccine to prevent the spread of meningococcal disease.
- Pfizer's new pentavalent meningococcal vaccine called "Penbraya" protects against serogroups A, B, C, W, and Y and is licensed for use among people ages 10–25.
- The FDA recommends one dose to people 10 years and older when MenACWY and MenB vaccines are both options for the patient at one clinical visit.



# Topple Meningococcal Partnerships

- TVFC providers and school nurses
  - Fifteen educational webinars and trainings
- Mercedes Independent School District and Education Service Center, Region 20 (ESC 20)

# Topple Meningococcal Outreach

- Local health departments
  - Ten virtual trainings
- Community colleges
  - Recording for new student orientations and websites
  - Upcoming webinar and four in-person health fairs with Dallas College
- Job Corps Centers
  - Three in-person events
  - Three educational webinars
- American Society for Meningitis Prevention (ASMP)

# Campaign Data

- Initial project goals:
  - Two percent increase in series completion rates for MenACWY
  - Two percent increase in series completion rates for MenB
- Preliminary data shows positive trends with project performance measures.
  - According to ImmTrac2, data between March 2023 and August 2024 shows:
    - MenACWY initiation rates increased by two percent.
    - MenB initiation rates increased by six percent.
    - MenACWY series completion rates increased by six percent.
    - MenB series completion rates increased by two percent.

# Campaign Data

## Vaccination Rates for MenACWY and MenB

	MenACWY Initiation	MenACWY Complete	MenB Initiation	MenB Complete
<b>March 2023 Statewide Total</b>	69.0%	16.9%	14.4%	4.4%

	MenACWY Initiation	MenACWY Complete	MenB Initiation	MenB Complete
<b>August 2024 Statewide Total</b>	71.2%	22.9%	20.0%	6.6%

Data as of September 4, 2024. Data retrieved from ImmTrac2.

# Q&A

- Please ask any questions.



# Thank you!

Adolescent Health and the Topple Meningococcal Project

[Imm.Action@dshs.texas.gov](mailto:Imm.Action@dshs.texas.gov)