



CONNECTICUT DEPARTMENT OF PUBLIC HEALTH



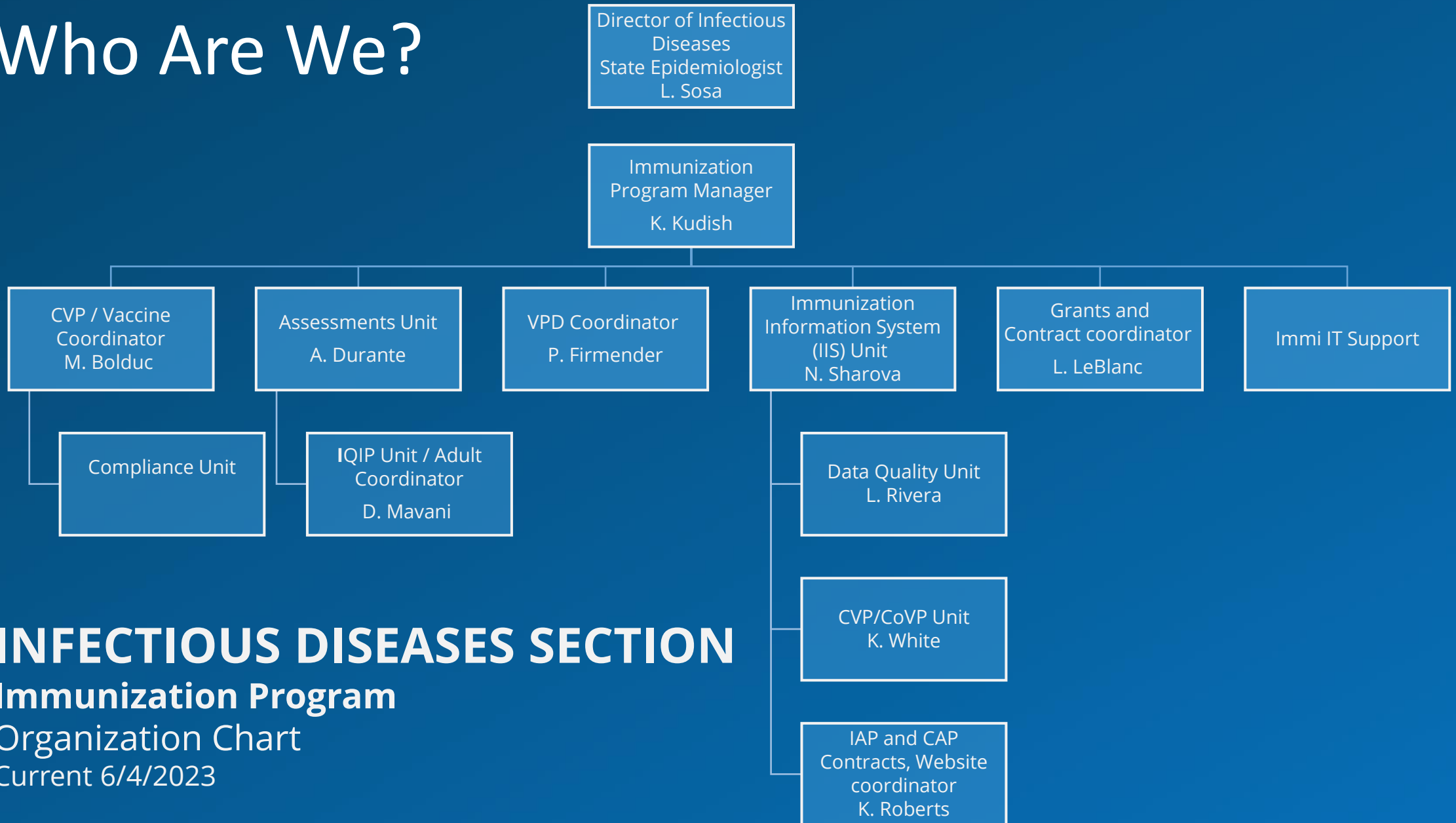
State of HPV Vaccination Effort in Connecticut

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HPV Vaccination Summit
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Outline

- CT DPH Immunization Program Overview
 - Who Are We?
 - What Do We Do?
- HPV Vaccine
 - CVP expansion
- HPV Data
 - NIS-Teen Data
 - New Law CT WiZ
 - CT WiZ Data
- HPV Coverage Improvement Initiatives
- What's next?

Who Are We?



INFECTIOUS DISEASES SECTION

Immunization Program

Organization Chart

Current 6/4/2023

What Do We Do?

- Provide Requested Data and Testimony on Proposed Legislation
- Medical Exemption Portal

Immunization Laws and Regulations



- Immunization Base & Supplemental Grants
- Immunization Action Plan (IAP) & COVID Action Plan (CAP) Contracts
- CT Immunization Coalition Contract

Grants and Contract



- Provider Onboarding
- Data Quality Assurance
- CT WiZ Management
 - Provider Training and Education
- Public Portal
- Website Management
- Helpdesk and Phones

Immunization Information System (CT WiZ)



- VPD Case Investigation
 - Perinatal Hep B Monitoring
 - Pertussis Monitoring
- Mpox Response

Vaccine Preventable Disease Surveillance



- Population-Level Coverage Reports
- Public Dashboards
- Coverage Maps
- BRFS
- Clinic-Level Coverage Reports
- Annual Daycare, School, College Immunization Survey

Coverage Assessments



- Immunization Quality Improvement for Providers (IQIP) Program
- Adult Vaccine Initiatives
- Adolescent Vaccine Initiatives
- Stakeholder Engagement
- Community Participatory Research

Quality Improvement



- Vaccines for Children (VFC/CVP) Program
- Vaccines for Adults (VFA) Program
- COVID-19 Vaccine Program (CoVP)
- Compliance Site Visits
- Vaccine Storage and Handling
- Vaccine Ordering and Management

Vaccine Programs



CVP Expansion of HPV Vaccine Eligibility

CT is currently a “universal-select state” this expansion gets us closer to being a “universal state”

- On April 1, 2023, HPV vaccine eligibility was expanded to include all privately insured children aged 13 and 18 years;

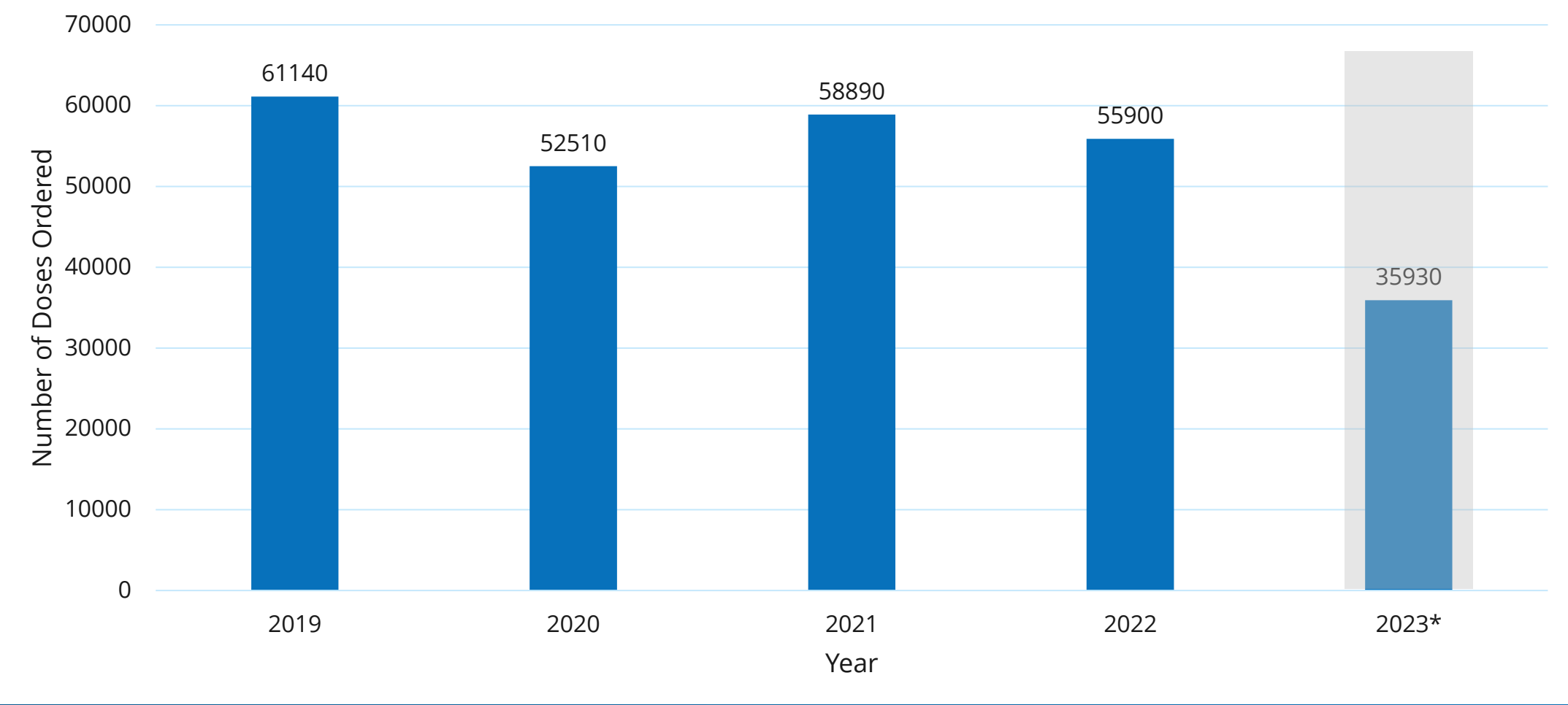
Connecticut Vaccine Program (CVP) Eligibility Criteria as of April 1, 2023

Vaccine	Age Group	Status of Children				CPT Code(s)
		VFC and State Supplied Vaccine		Non-VFC		
		VFC Eligible ¹	Non-VFC Eligible Privately Insured ²	Non-VFC Eligible Under-Insured ²	S-CHIP ²	
HPV (males & females)	9,10, 14, 15, 16, 17 yrs	YES	NO	YES	YES	90651
	11,12, 13 & 18 yrs	YES	YES	YES	YES	

1. VFC eligibility is defined as follows: (a) Medicaid enrolled; (b) NO health insurance; (c) American Indian or Alaskan native; or (d) underinsured seen at an FQHC.
 2. Non-VFC children refers to patients who have private insurance that covers the cost of immunizations, patients that are under-insured for some or all vaccines seen by a private provider, and S-CHIP children- those children enrolled in HUSKY B.

- On July 1, 2023, privately insured children aged 14 and 17 years will become eligible;
- On July 1, 2024, privately insured children aged 15 and 16 years will become eligible.

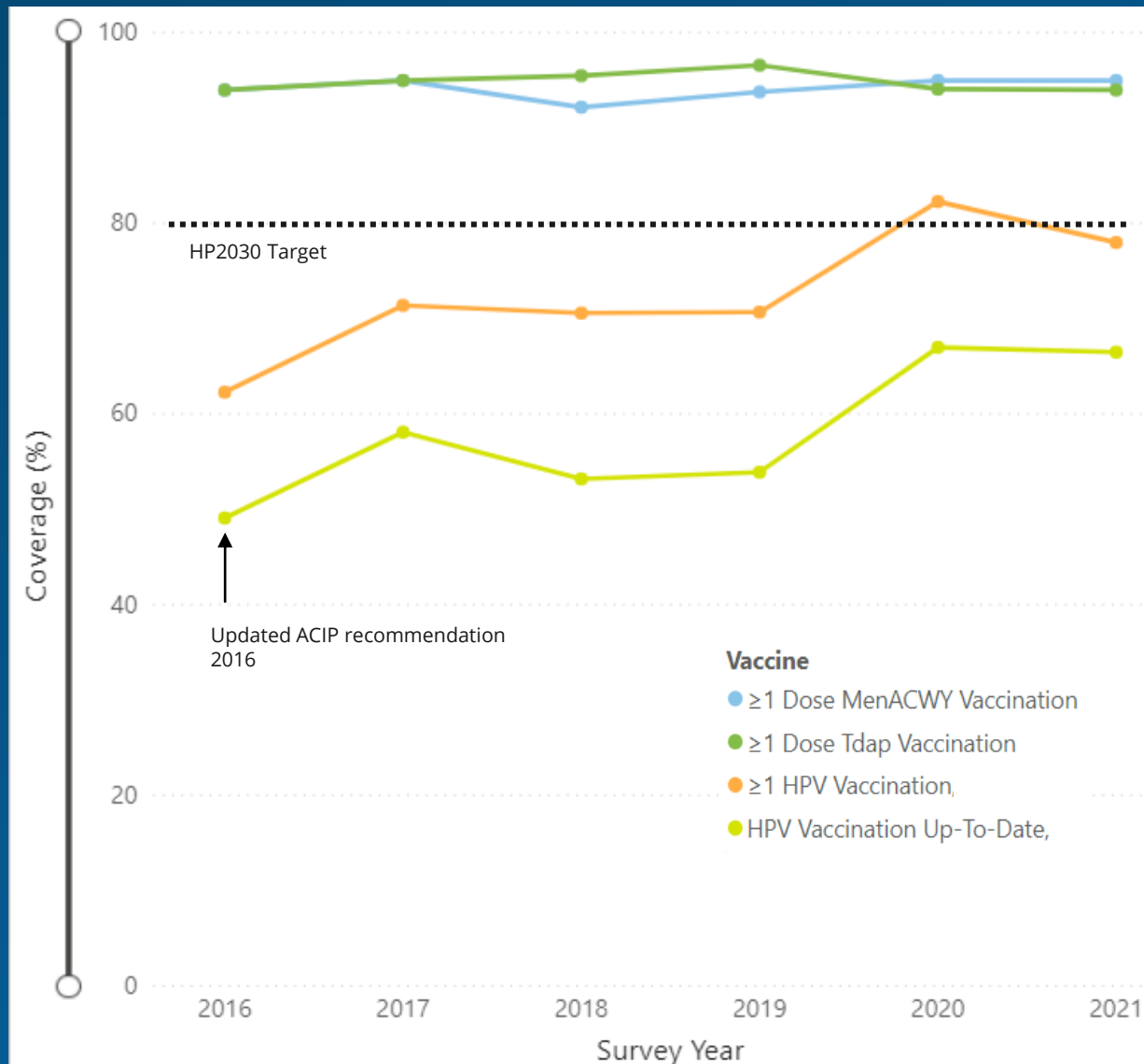
CVP HPV Vaccine Orders



These figures are based on the federal fiscal year that runs Oct 1-Sept 30.

* Data through June 6, 2023

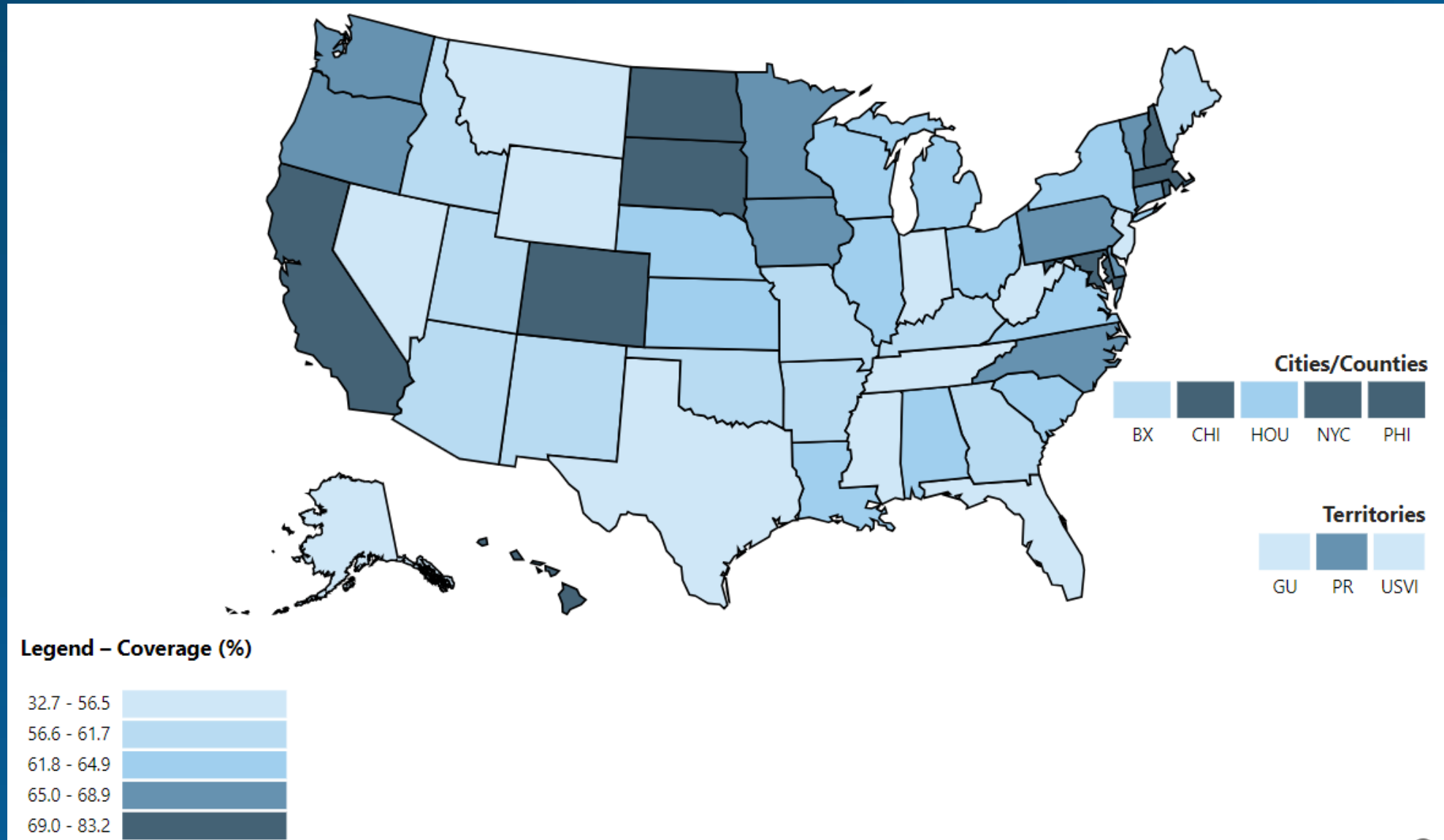
Vaccination Coverage among Adolescents Age 13-17 Years, NIS-Teen, Connecticut, 2016-2021



The Healthy People 2030 objective is:

- Increase the proportion of adolescents aged 13 through 15 years who have received recommended doses of HPV vaccine (HPV UTD (≥ 2 or ≥ 3 doses)) among females and males combined to 80% by 2030.

UTD HPV Vaccination Coverage among Adolescents Age 13–17 years, NIS-Teen, 2021



Vaccination Coverage* among Adolescents Age 13–17 yearst, NIS-Teen, United States, HHS Region I and Connecticut, 2019-2021

	Females and Males			
	≥1 Tdap [§] % (95% CI)	≥1 MenACWY [¶] % (95% CI)	≥1 HPV ^{**} % (95% CI)	HPV UTD ^{††} % (95% CI)
US overall				
2019	90.2(±1.0)	88.9(±0.9)	71.5(±1.3)	54.2(±1.5)
2020	90.1(±0.9)	89.3(±0.9)	75.1(±1.2)	58.6(±1.3)
2021	89.6(±1.0)	89.0(±1.1)	76.9(±1.3) †††	61.7(±1.5) †††
HHS REGION I				
2019	95.4(±1.7)	94.1(±1.6)	80.4(±3.0)	66.1(±3.8)
2020	93.6(±1.8)	95.1(±1.3)	84.9(±2.3)	71.0(±3.1)
2021	93.8(±2.2)	91.9(±2.4) ¶¶¶	84.7(±2.9)	71.6(±3.7)
Connecticut				
2019	96.5(±2.4)	93.7(±3.9)	70.6(±6.7)	53.8(±7.4)
2020	94.0(±3.3)	94.9(±2.7)	82.2(±5.0)	66.9(±6.1)
2021	93.9(±3.5)	94.9(±2.7)	77.9(±5.6)	66.4(±6.4)

Abbreviations: CI = confidence interval; HHS = U.S. Department of Health and Human Services; HPV = human papillomavirus; HPV UTD = HPV Up To Date; MenACWY = quadrivalent meningococcal conjugate vaccine; Tdap = tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine; VAR = varicella vaccine.

* Estimates with 95% CI half-widths >10 might not be reliable.

† Adolescents (N=18,002) in the 2021 NIS-Teen were born January 2003 through January 2009.

§ ≥1 dose Tdap at or after age 10 years.

¶ Includes percentages receiving MenACWY or meningococcal vaccine of unknown type.

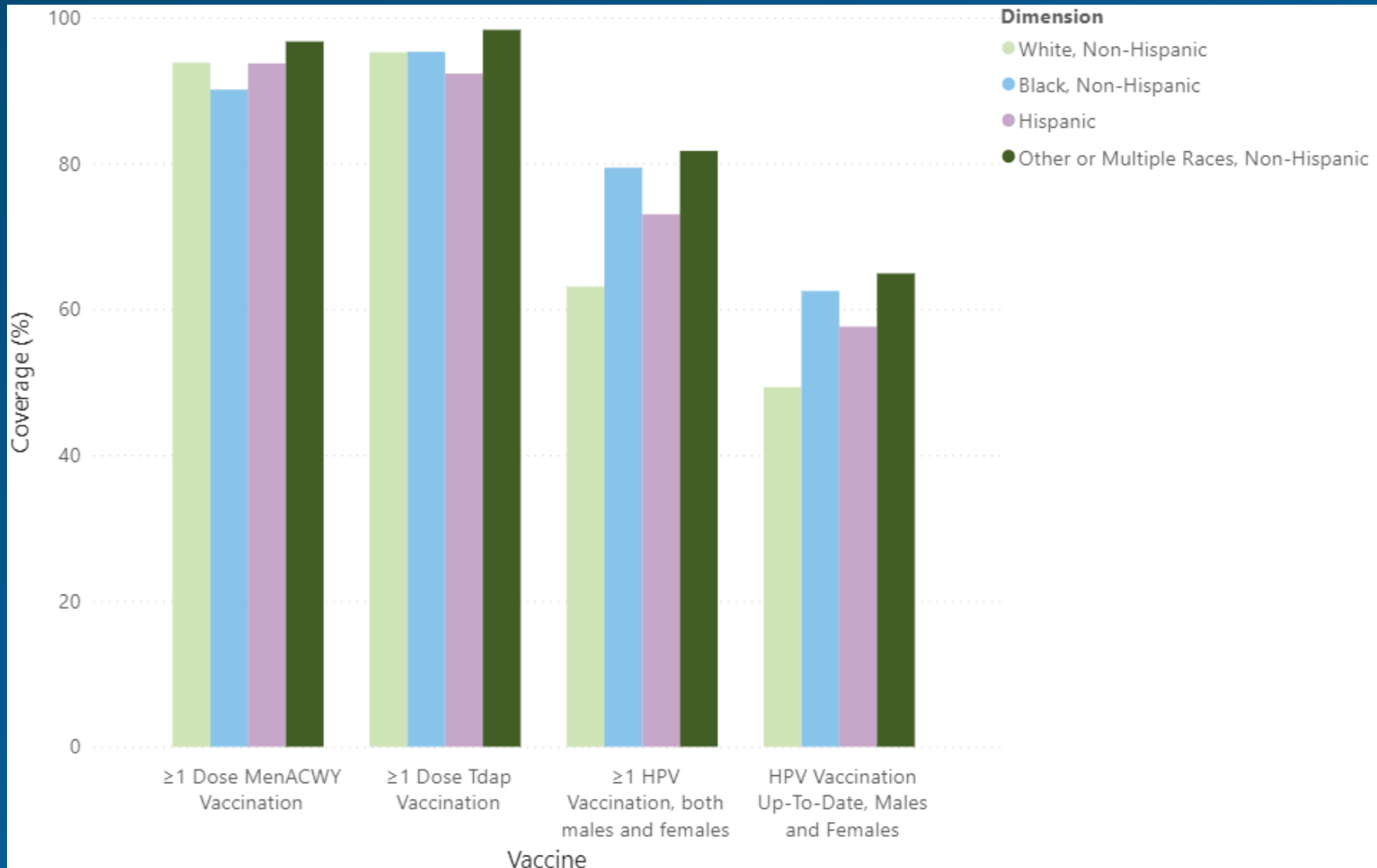
** HPV vaccine, nine-valent (9vHPV), quadrivalent (4vHPV), or bivalent (2vHPV). For ≥1 dose, and HPV UTD measures, percentages are reported among females and males combined (N = 18,002).

†† HPV UTD includes those with ≥ 3 doses, and those with 2 doses when the first HPV vaccine dose was initiated at age <15 years and at least five months minus four days elapsed between the first and second dose as specified by Clinical Decision Support for Immunization (CDSi). This update to the HPV recommendation occurred in December of 2016.

††† Statistically significant (p<0.05) percentage point increase from 2020.

¶¶¶ Statistically significant (p<0.05) percentage point decrease from 2020.

Vaccination Coverage among Adolescents Age 13-17 Years, NIS-Teen, Connecticut, 2015-2019



New Law to Report to CT WiZ

As of July 1, 2022, [state law](#) mandates all providers who administer vaccines to **report electronically** to CT WiZ for all vaccines administered for all ages. This includes CVP, Adult, COVID-19, and privately purchased vaccines.

Two Reporting options:

1. Interface with CT WiZ through your electronic health record (EHR)
2. Enter in the CT WiZ user interface (UI)

CT WiZ Onboarding Status of CVP Clinics as of 5.23.23

Type	Number of CVP Clinics
EHR-HL7 Clinic	536
-Bi-Directional	(279)
-Uni-Directional	(256)
-Query & Response	(1)
UI (User Interface) Clinic	114
It is NOT Online (NOT UI, EHR-HL7)	72
Total	722

CT WiZ HPV Data

- Preliminary CT WiZ data analysis shows ~80,000 adolescents aged 9-17 are UTD with HPV
- The estimated census population of children aged 9-17 is 396,701

A lot more work is needed to onboard providers to CT WiZ, but more importantly train and encourage providers to:

- Accurately and timely report to CT WiZ
- Upload historical immunization data, either via legacy loads or historical data entry.
- Maintain accurate patient populations by inactivating patients at the clinic- and jurisdiction-level if the move out of the clinic or state.

HPV Coverage Improvement Initiatives

- Decrease vaccine cost – CVP HPV expansion and inclusion in VFA
- CT WiZ data initiatives: onboarding, legacy (historical data) loads, reminder/recall
- Immunization Action Plan
 - Adolescent Immunization Action Week (April) promotion
- IQIP strategies focusing on achieving high coverage at the provider-level:

Reminder/Recall

Facilitate return
for vaccination

Standing orders
for vaccinations

Walk-in/
immunization
only visits

Utilize the state
IIS (CT WiZ)

Reduction of
missed
opportunities

Give a strong
provider
recommendation

Strengthen
vaccine
communications

Drivers

Barriers

To up-to-date HPV vaccination & robust HPV coverage data

Change in CT WiZ law & reporting

Universal-select state + expansion

QI initiatives + better messaging and recommendation

No HPV requirement for school entry

HPV vaccine confusion / misinformation/ stigma

Low acceptance of HPV vaccine at age 9-12

CT WiZ data quality

What's Next?

- Continued HPV and data quality improvement initiatives
- Complete HPV expansion for children age 11-18 by July 2024
- Clinic-level Provider Report Card
- IAP awareness and education campaign for the next Adolescent Immunization Action Week
- Local Health Rapid Community Assessments
- New initiatives in partnership with the HPV Workgroup

Helpful Resources/Links

Visit our updated [DPH Immunizations webpage!](#)

How can providers start electronic reporting:

- Please click on the [CT WiZ Application](#) to start the onboarding process for electronic reporting (EHR/HL7 or UI Direct data entry) in CT WiZ.

Enrollment Process for state funded vaccine:

- Please click on the [CVP Enrollment link](#) for step-by-step instructions.

CVP HPV Vaccine Expansion:

- Read the [full communication](#) for more details and review the full [CVP eligibility criteria](#).

Check out CDC's NIS-Teen data in their interactive [TeenVaxView](#) dashboard.

Need additional HELP?

- Submit a request to our [Helpdesk](#) select Immunizations (CT WiZ) and select category and topic. Ex. CT WiZ Login (Username or Password Issues). Or click on [Contact Us](#) for helpful links and program contact information.