

Immunizations and Vaccine Preventable Disease

Kristy Zigenis, MA, Immunization Program Manager
Vickie Ives, MA, Bureau Chief, Child Family and Community Wellness

April 8, 2024 – Joint Interim Standing Committee on Health and Human Services

ABOUT DPBH



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

MISSION

To protect, promote, and improve the physical and behavioral health and safety of all people in Nevada, equitably and regardless of circumstances, so they can live their safest, longest, healthiest, and happiest life.

VISION

A Nevada where preventable health and safety issues no longer impact the opportunity for all people to live in the best possible health.

PURPOSE

To make everyone's life healthier, happier, longer, and safer.



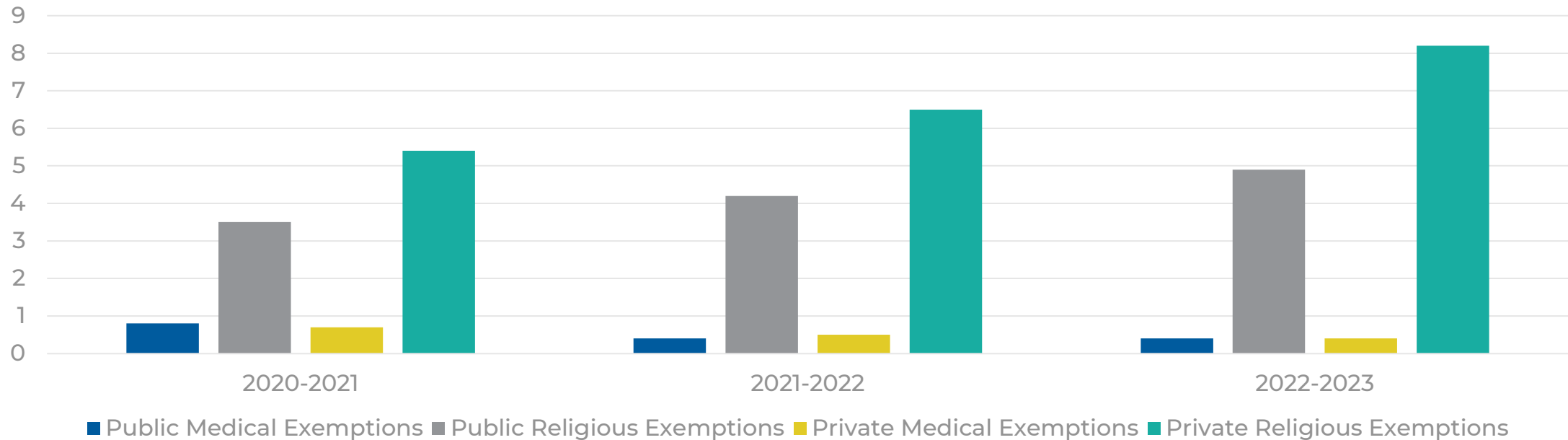
ALL IN GOOD HEALTH.

School Exemptions in NV



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

Kindergarten Exemptions by Percentage, 2020-2023



Source: Annual School Immunization Reporting Survey, SY2020-SY2021, SY2021-2022, SY2022-2023

[Data Technical Notes](#)



Successes

- COVID-19 pandemic strengthened or created new partnerships with local emergency response, federally qualified health centers, equity and pharmacy partners, Local Health Authorities (LHAs), and Community Health Services
- [Vaccine Landscape Report](#) - addendums in progress
- Automatic data exchanges now exist between NV WebIZ and Arkansas, Connecticut, Delaware, Kansas, Kentucky, Oklahoma, City of Philadelphia, New Mexico, Utah, Oregon and the Nevada Veteran's Health Administration
- Immunization Public Portal can now be viewed in Spanish
- Long Term Care Facility (LTCF) All Vaccine Access Program with pharmacy partners, LHAs plus other health care stakeholders and community partners to ensure access of all routine vaccines for adults, children, and staff at LTCFs.
- The 2022 NSIP was audited by the Eide Bailly and of the 16 state programs audited, this program is the only one that had no findings. The internal processes and oversight of the grant funds has shown fidelity.
- Policies allowing for expanded access are being implemented for:
 - Assembly Bill (AB) 147 allows for dentists, dental hygienists, and dental therapist to administer vaccines
 - Senate Bill (SB) 172 allows for minors to consent to health care services relating to the prevention of sexually transmitted diseases, including receipt of the HPV vaccine

Challenges



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

- Religious exemption rates are climbing
- Supply challenges
 - Respiratory Syncytial Virus (RSV) - Niresivmab and Abrysvo
 - COVID-19 vaccine commercialization
- COVID-19 funding end date approaching and will impact contracted staff
- Cost for vaccines continues to rise and new vaccines are continually added to the recommended schedule
 - RSV, COVID-19, Mpox

Infant Immunizations

7-Series Schedule



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

≥ 4 doses

- DTaP – Diphtheria-Tetanus-Pertussis
- PCV – Pneumococcal

≥ 3 doses

- HepB – Hepatitis B
- Hib – *haemophilus influenzae* type b*
- IPV – Inactivated Poliovirus

≥ 1 dose

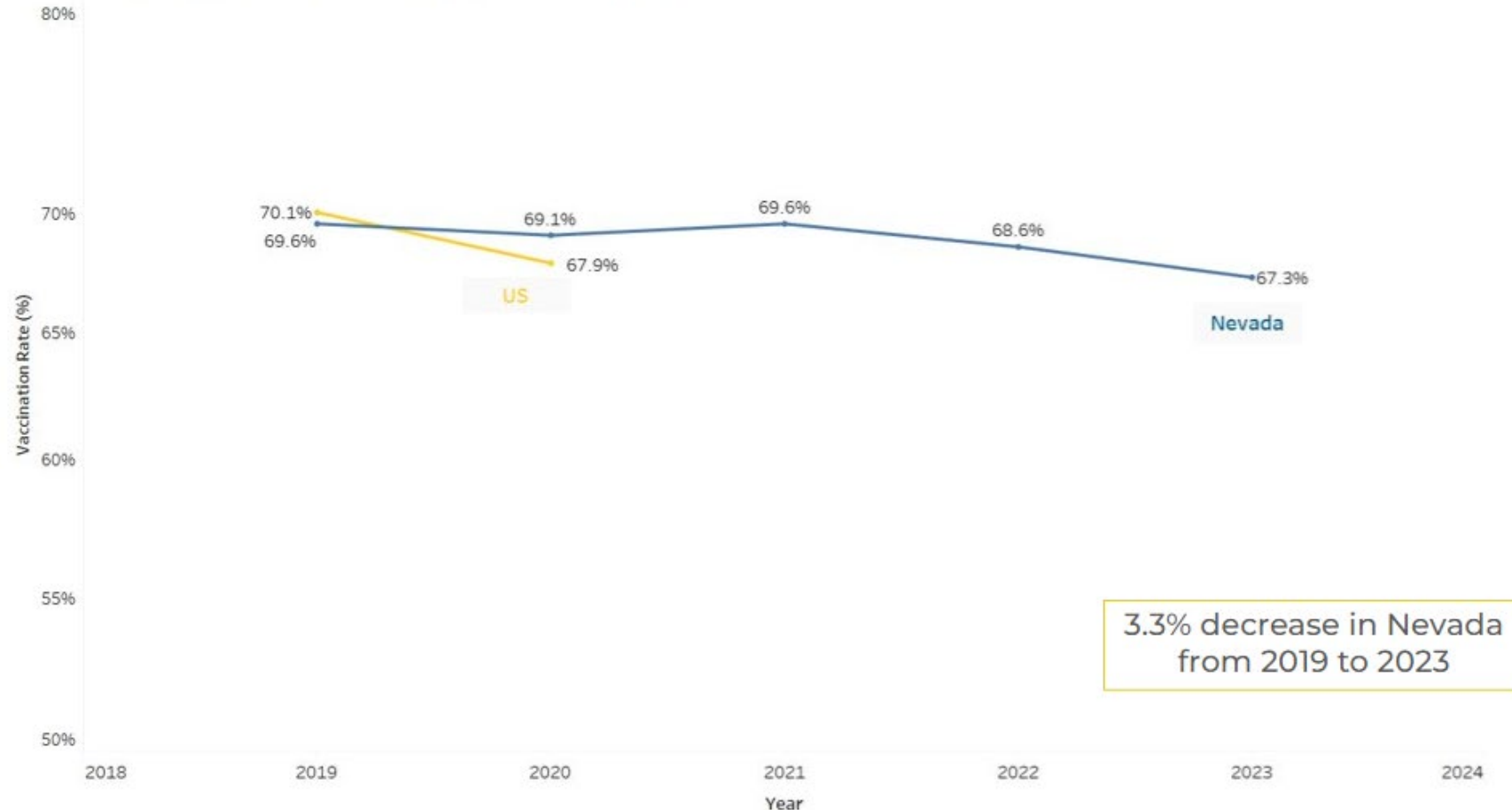
- MMR – Measles, mumps, rubella
- VAR – Varicella

7-Series Rates



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

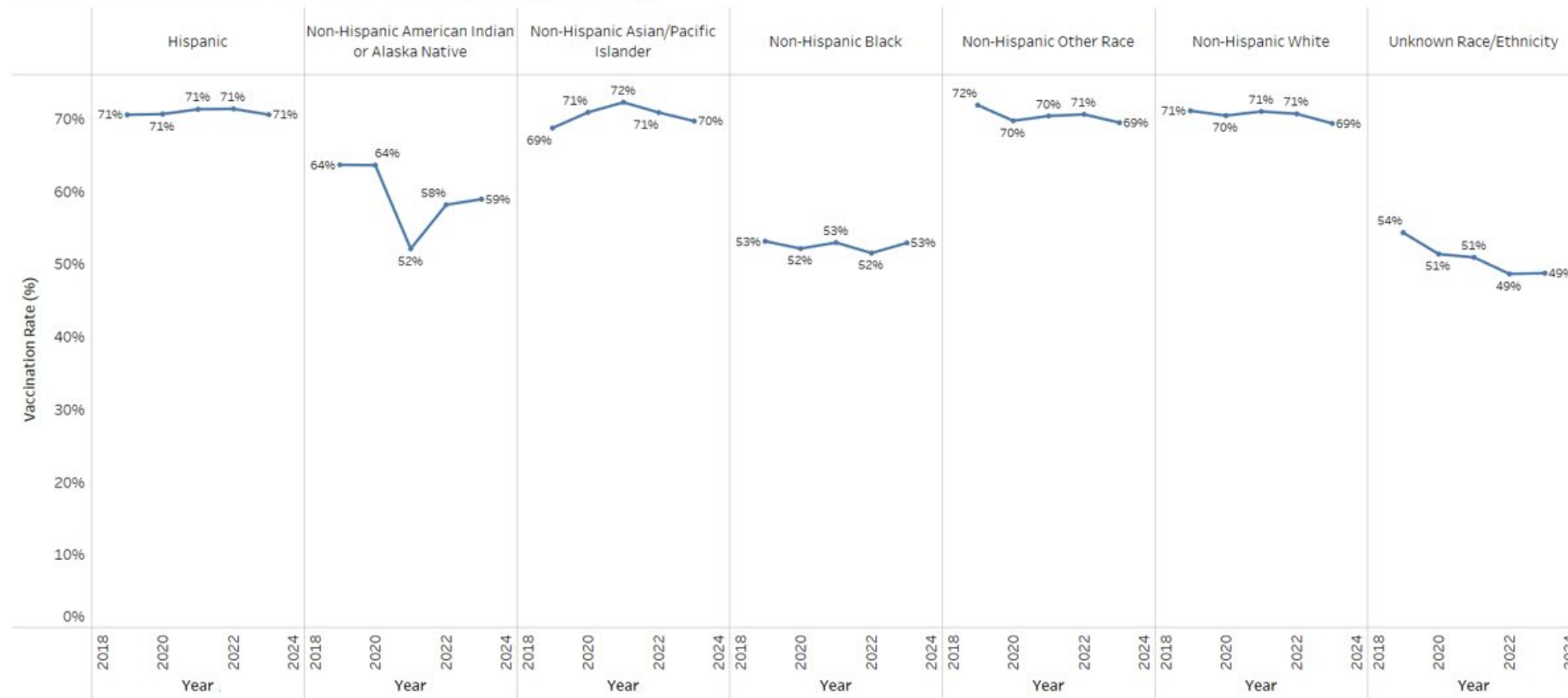
7-Series Vaccination Rates in Nevada vs. US*, 2019-2023



7-Series Rates by Race/Ethnicity



7-Series Vaccination Rates in Nevada by Race/Ethnicity

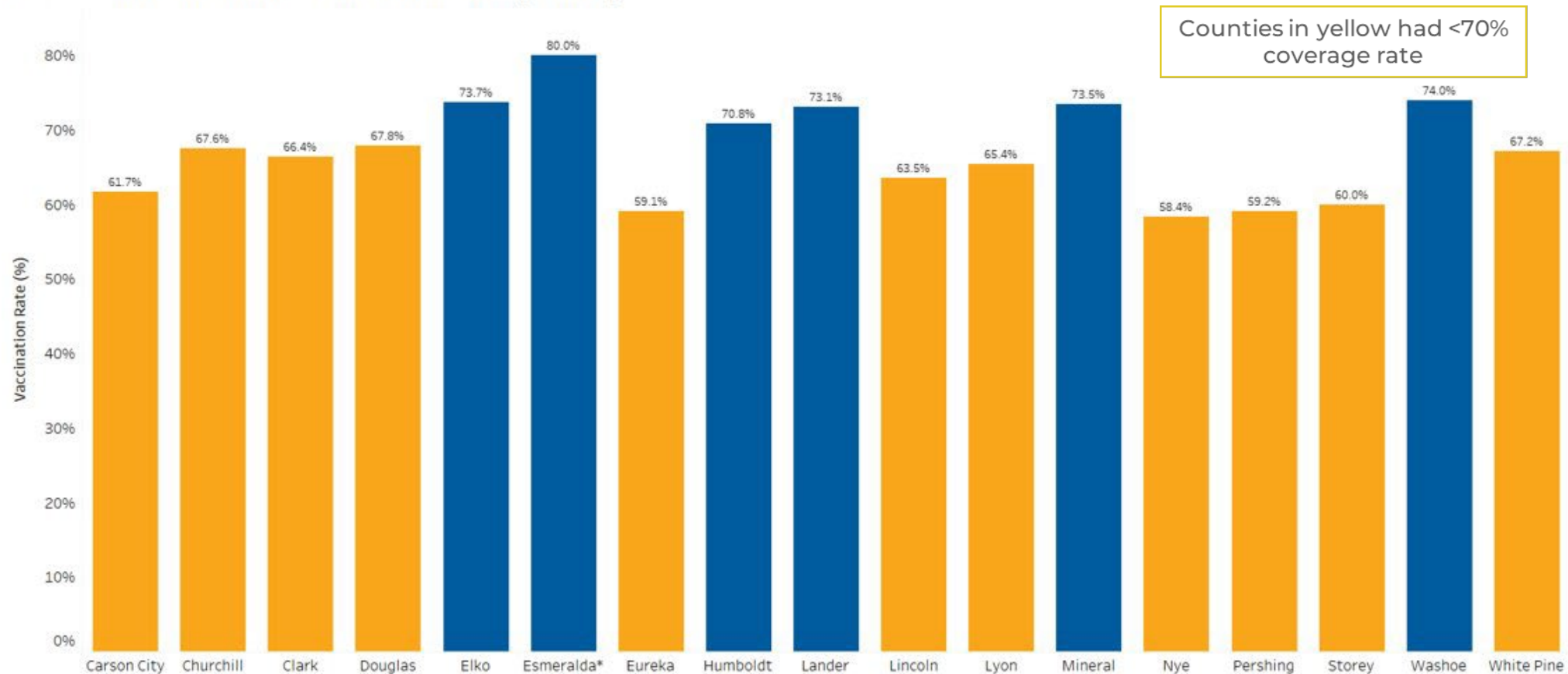


2023 7-Series Rates by County



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

2023 7-Series Vaccination Rates in Nevada by County



Adolescent Immunizations

Adolescent Vaccine Schedule



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

Tdap

1 Dose

Routine:

11 – 12 years old

Catch Up:

13 – 18 years old

MenACWY

2 Doses

Routine:

Dose 1 at 11 – 12 years old;
Dose 2 at 16

Catch Up:

If Dose 1 is at 13 – 15 years old,
Dose 2 should be at age 16 – 18
years
If Dose 1 is at age 16 – 18 years,
no 2nd Dose needed.

HPV

2 or 3 Doses

Routine:

11 – 12 years (can start at 9 years)
2-dose series: if 9 – 14 years at Dose 1
3-dose series: if 15 or older at Dose 1

Catch Up:

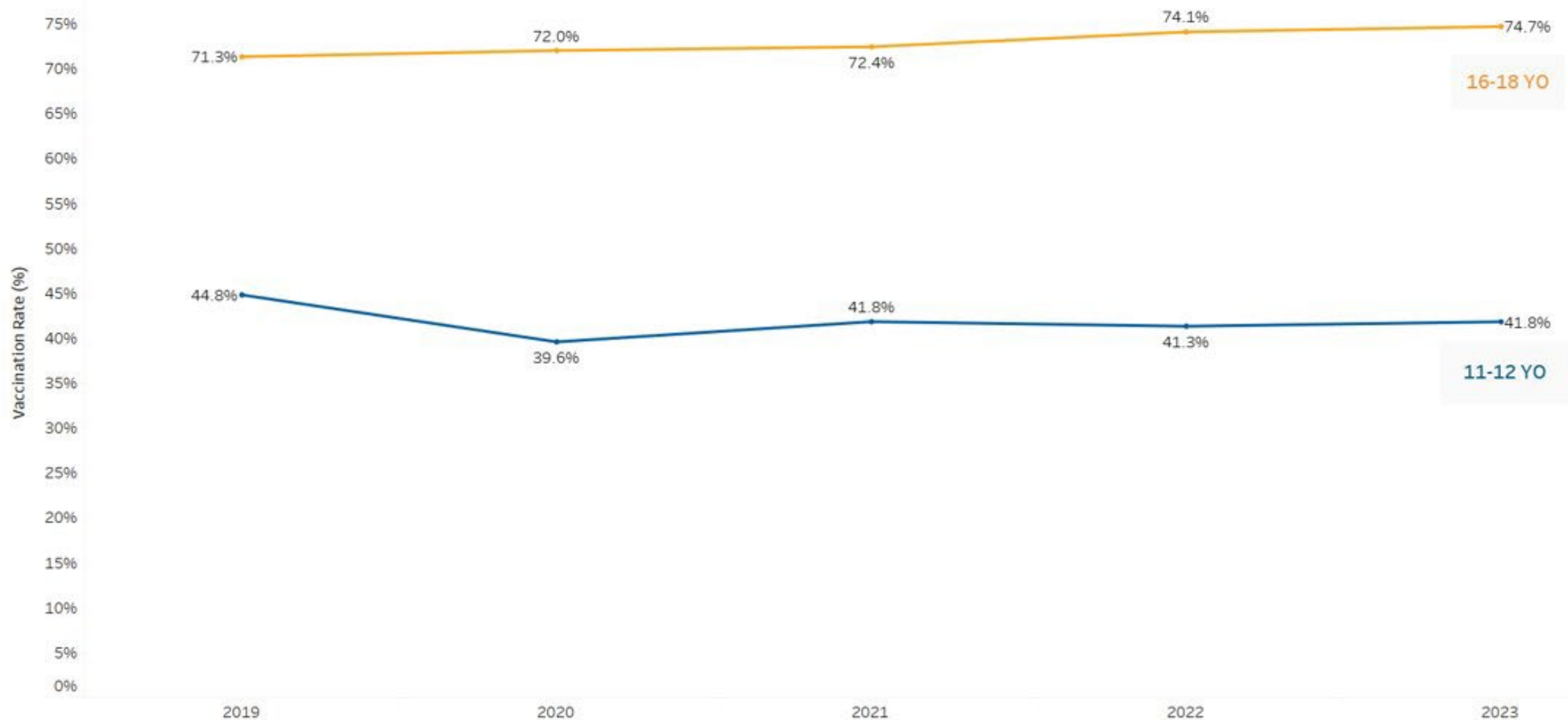
Recommended for all
persons through age 18

MenACWY Rates



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose MenACWY Vaccination Rates in Nevada by Age Group, 2019-2023

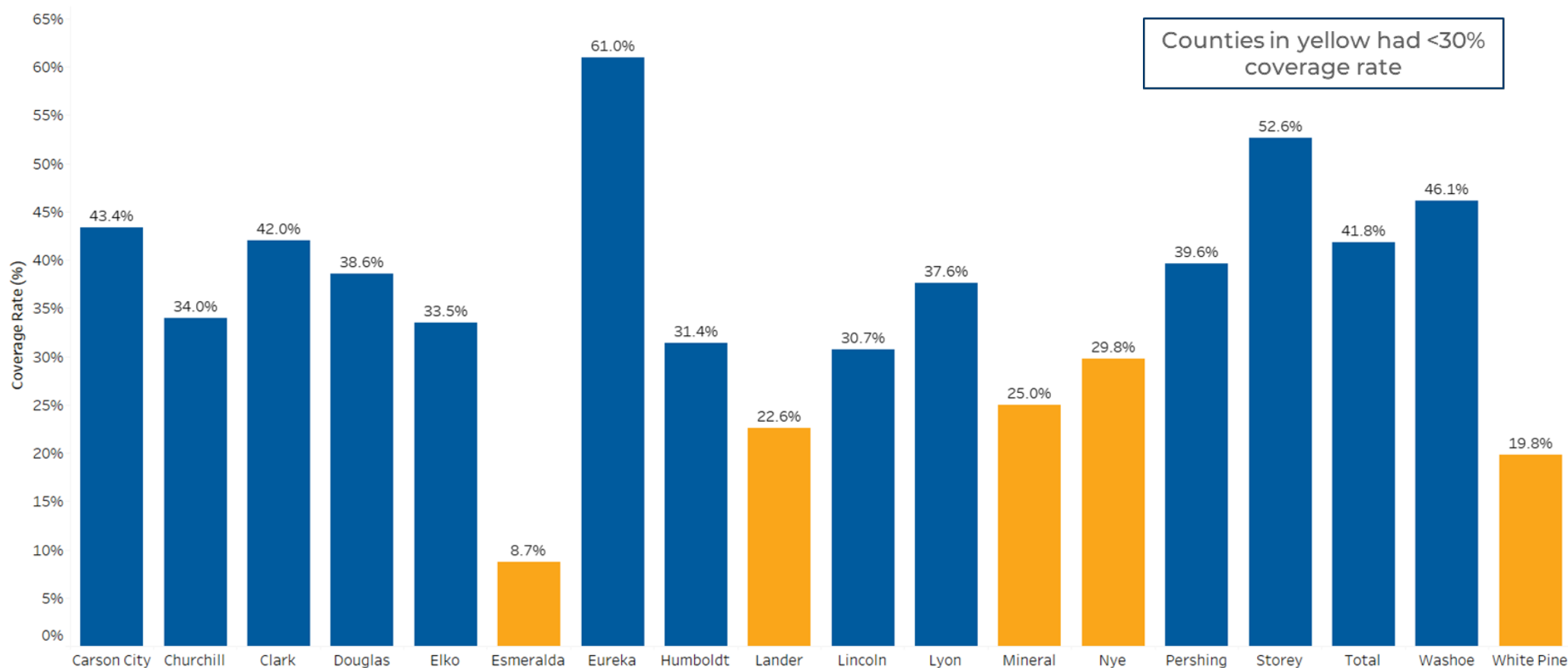


2023 MenACWY Rates, 11-12 Years



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

2023 One Dose of MenACWY Vaccination Rates in 11-12 Year Olds in Nevada by County

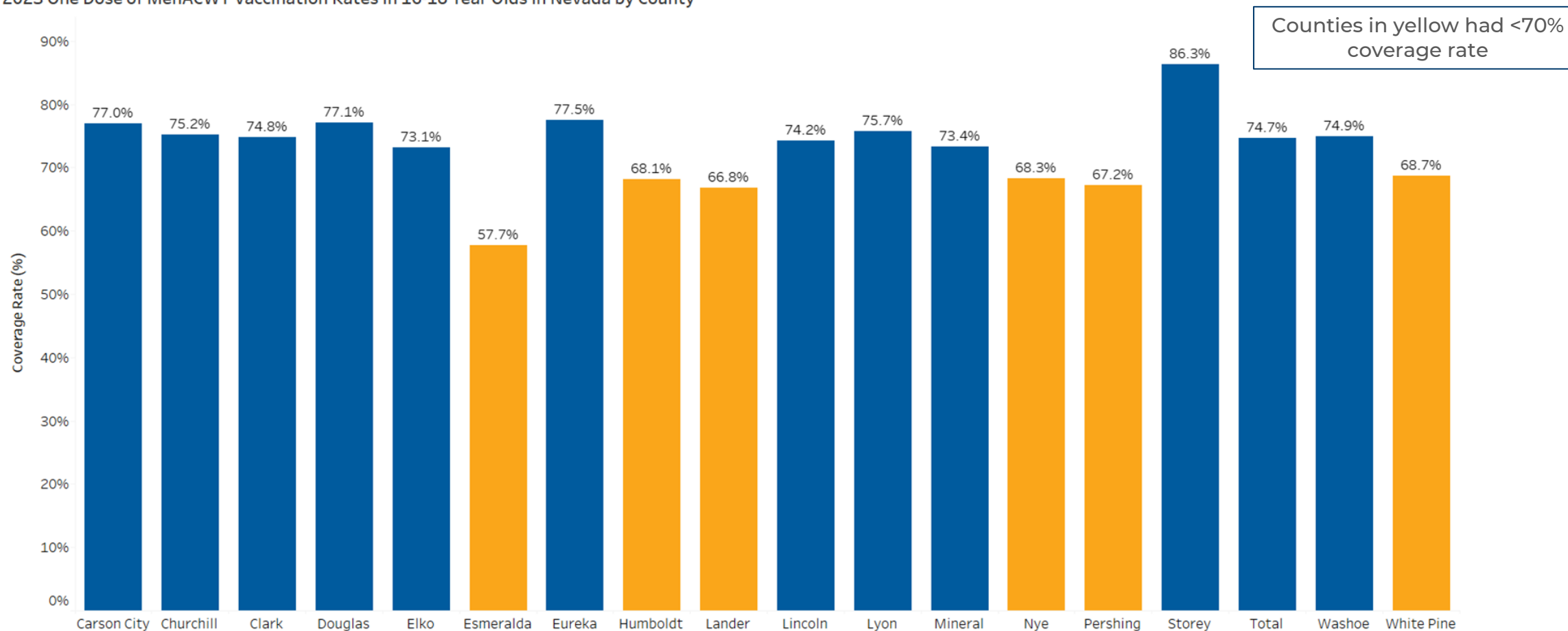


2023 MenACWY Rates, 16-18 Years



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

2023 One Dose of MenACWY Vaccination Rates in 16-18 Year Olds in Nevada by County

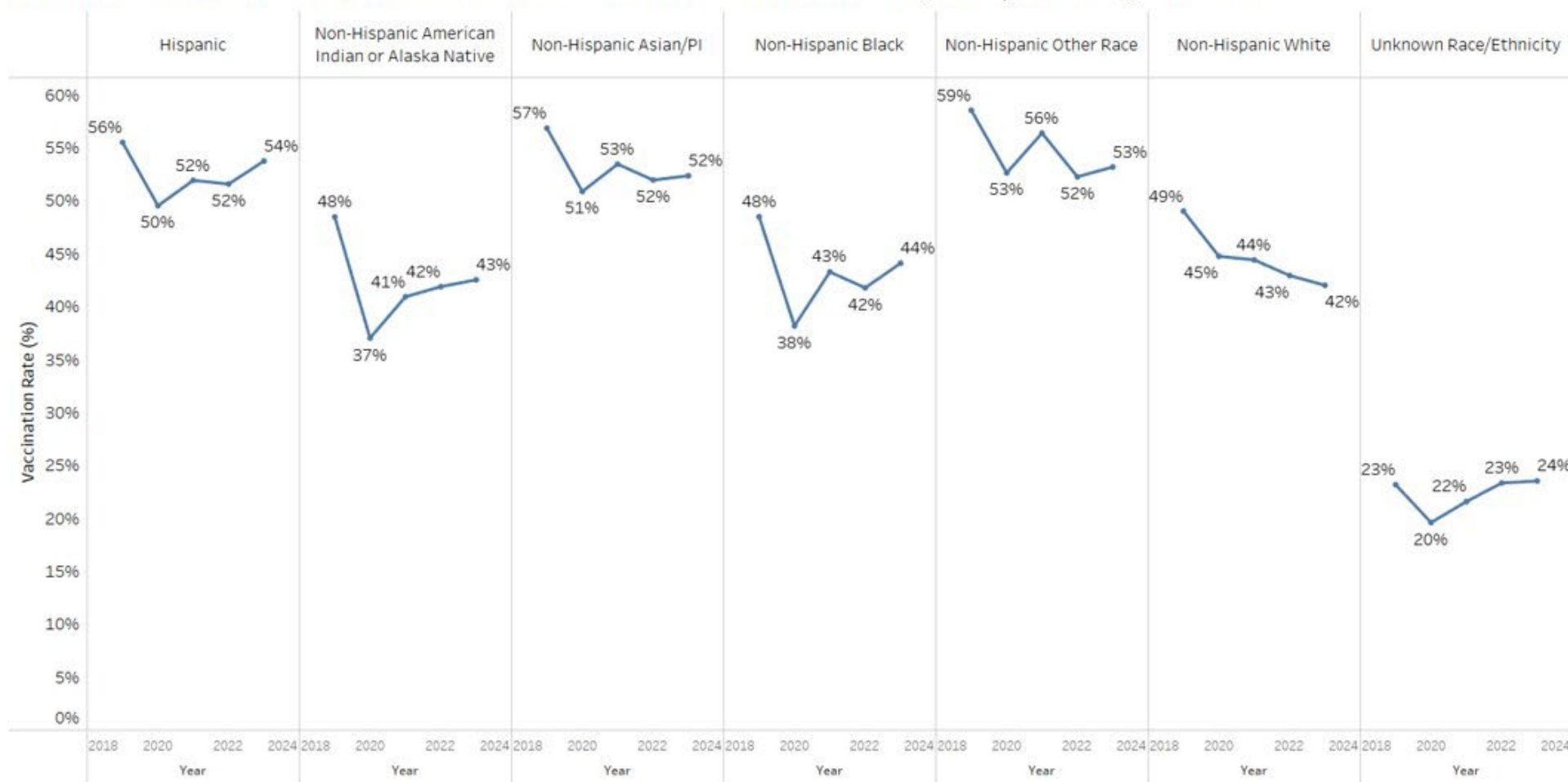


2023 MenACWY Rates, 11-12 Years



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose MenACWY Vaccination Rates in 11- 12 Year Olds in Nevada by Race/Ethnicity, 2019-2023

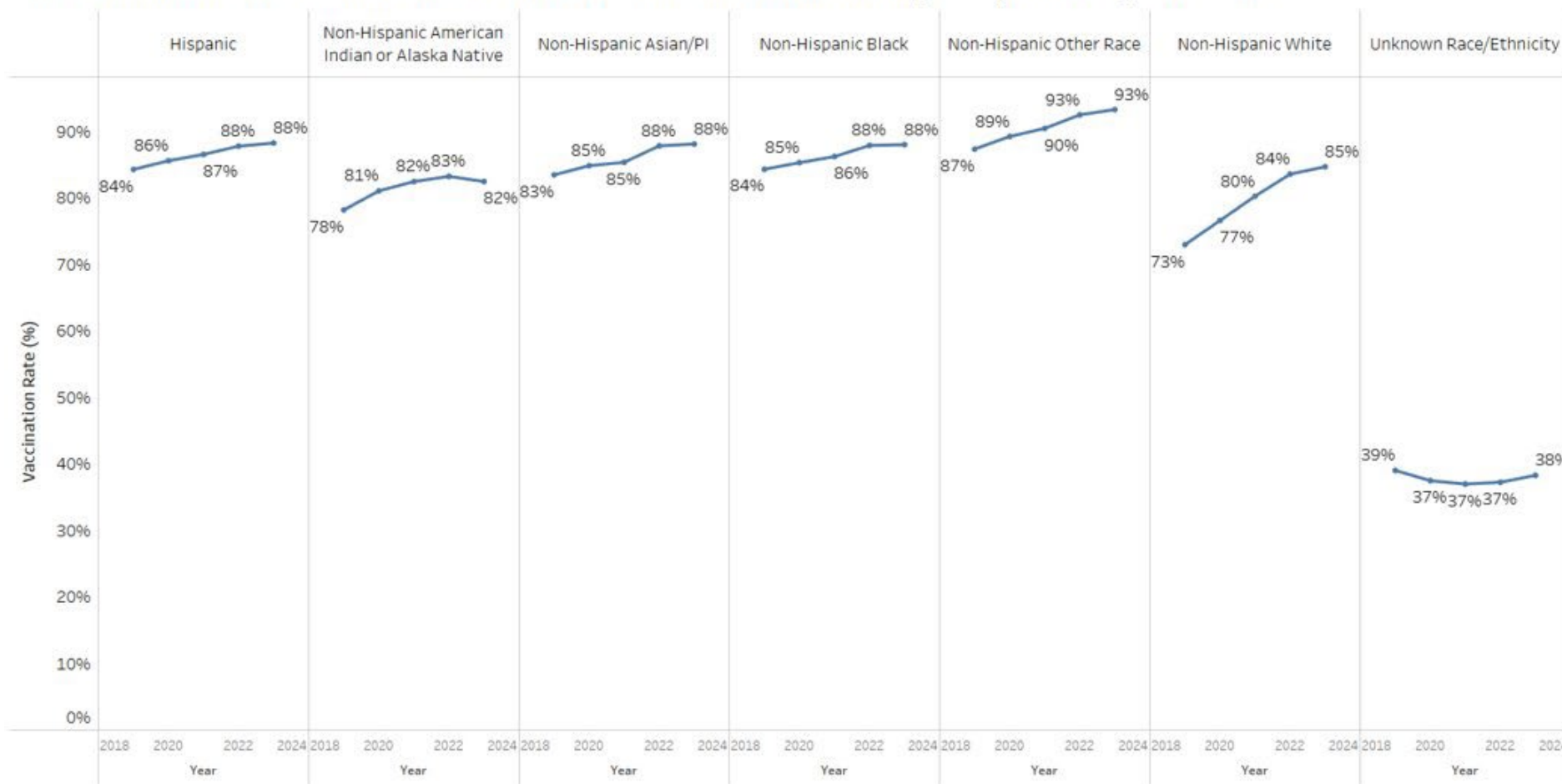


2023 MenACWY Rates, 16-18 Years



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose MenACWY Vaccination Rates in 16-18 Year Olds in Nevada by Race/Ethnicity, 2019-2023

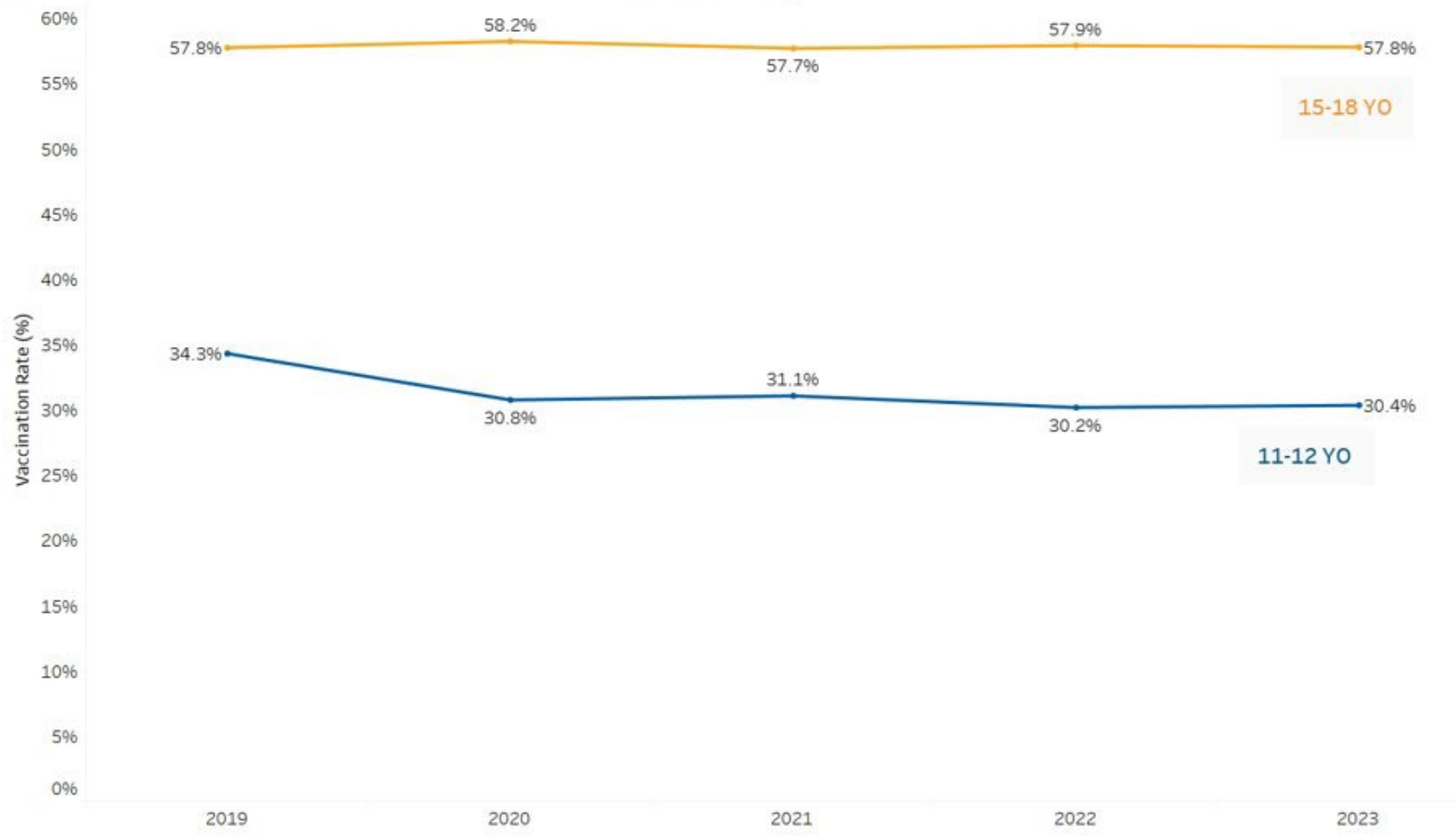


HPV Rates



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose HPV Vaccination Rates in Nevada by Age Group, 2019-2023

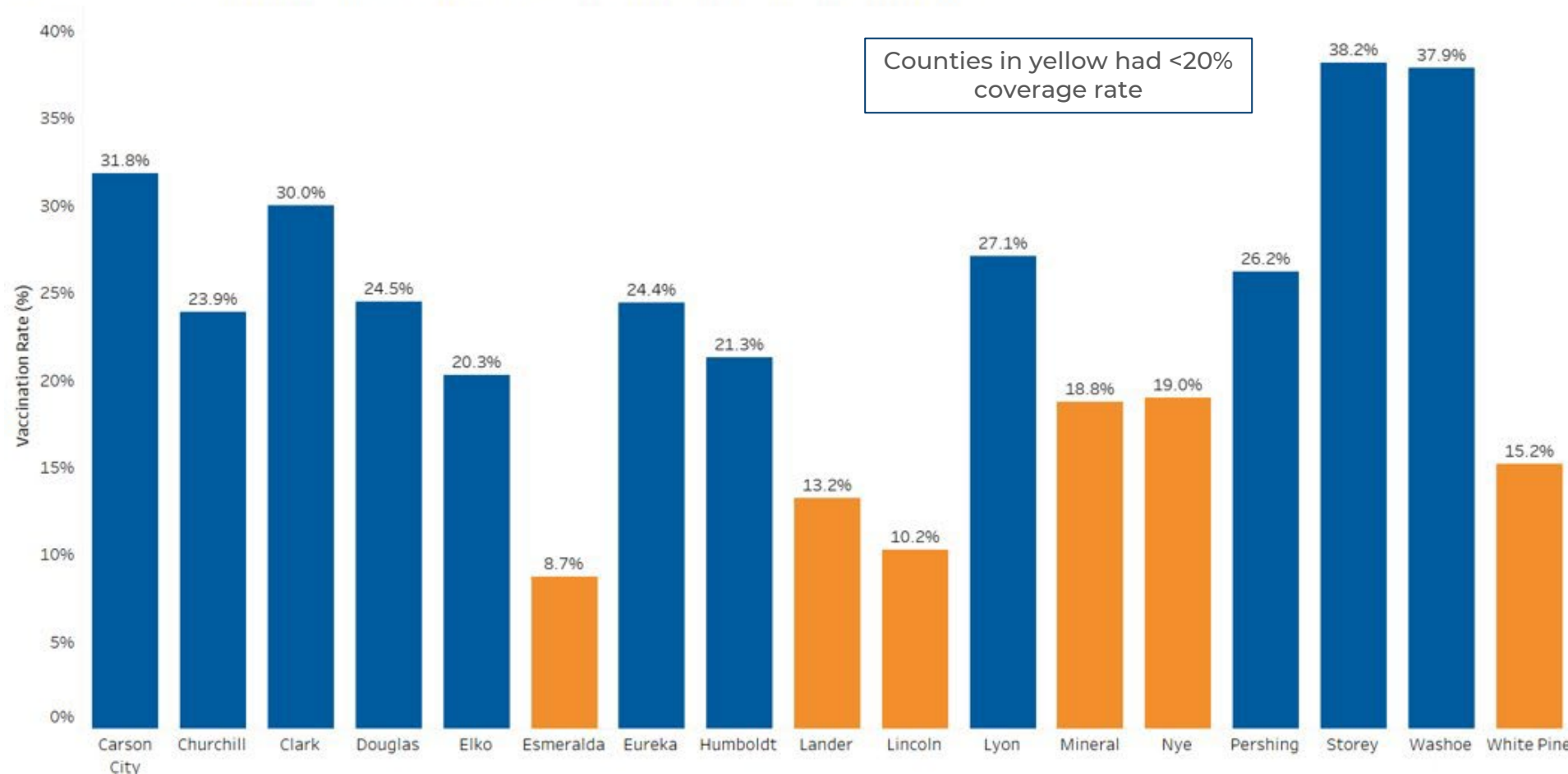


2023 HPV Rates, 11-12 Years by Region



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose HPV Vaccination Rates in 11-12 Year Olds in Nevada by County, 2023

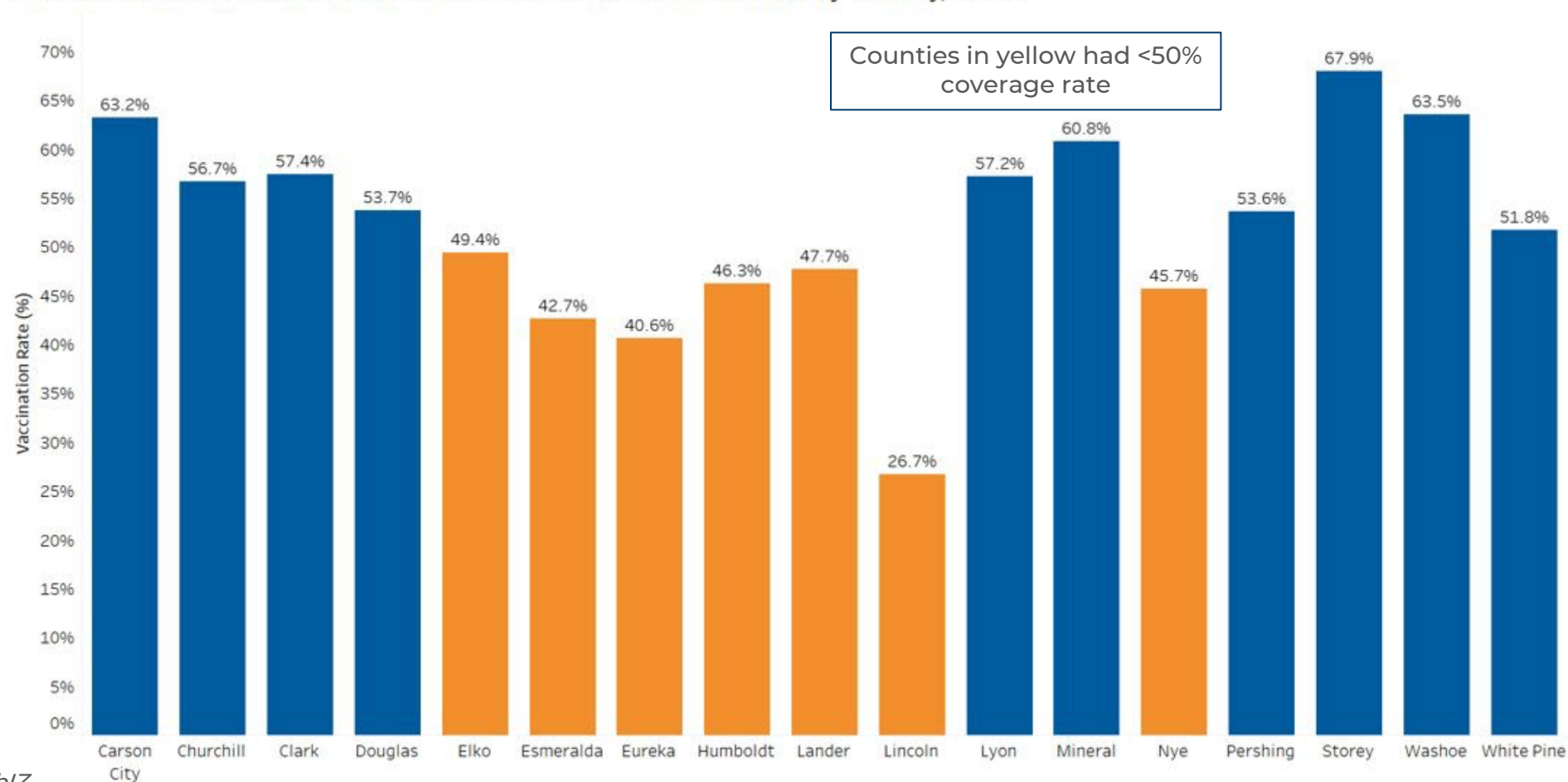


2023 HPV Rates, 15-18 Years by Region



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose HPV Vaccination Rates in 15-18 Year Olds in Nevada by County, 2023

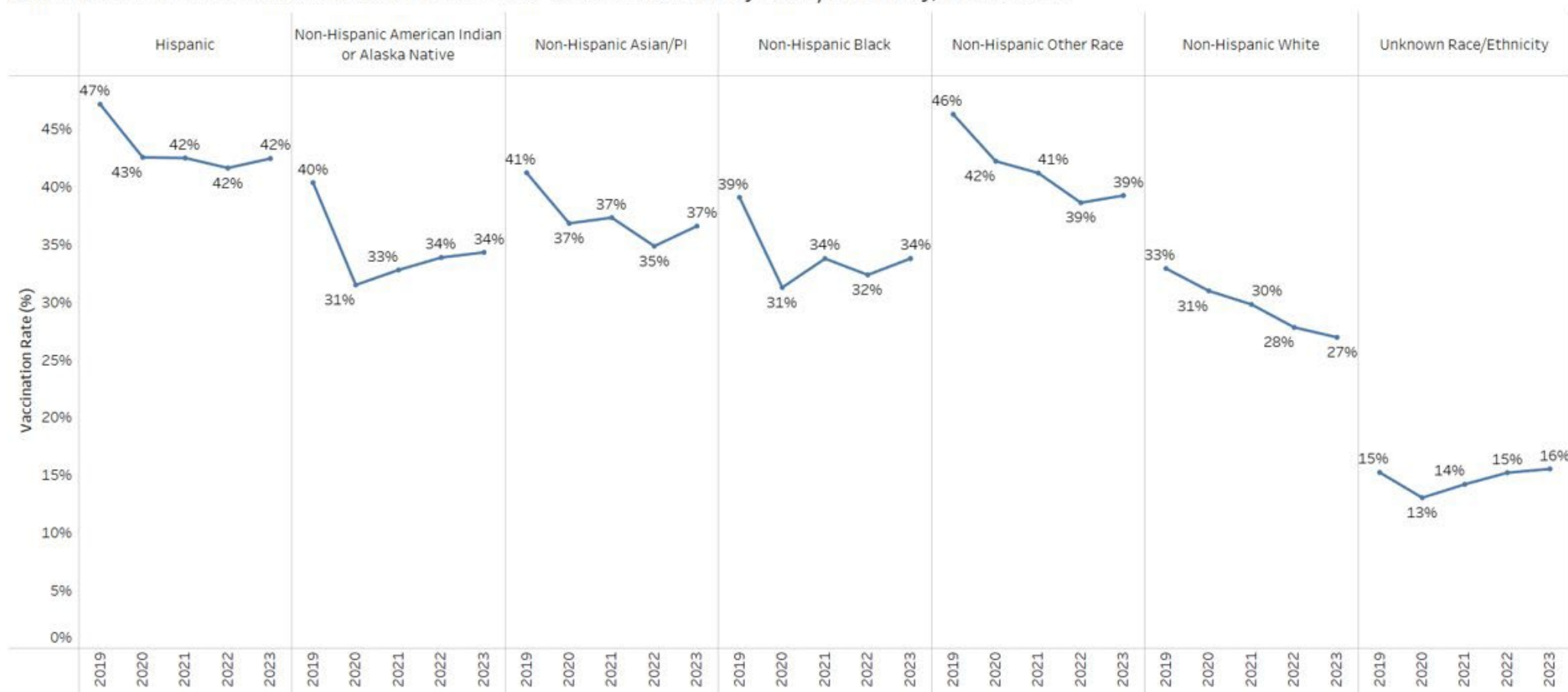


2023 HPV Rates, 11-12 Years



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose HPV Vaccination Rates in 11-12 Year Olds in Nevada by Race/Ethnicity, 2019-2023

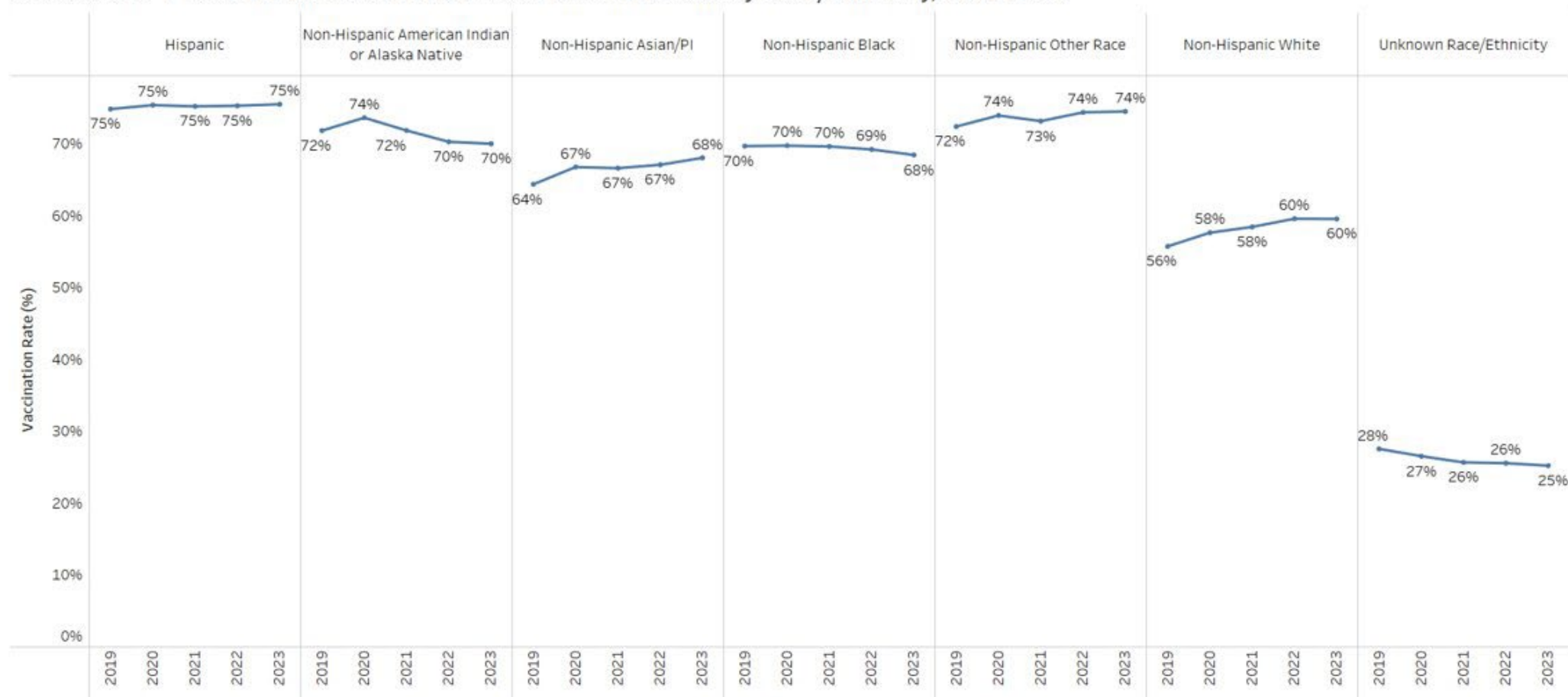


2023 HPV Rates, 15-18 Years



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

One Dose HPV Vaccination Rates in 15-18 Year Olds in Nevada by Race/Ethnicity, 2019-2023



Adult Immunizations



Adult Immunization Coverage in Nevada

- COVID-19 (2023-2024)- 10.4% *of the population ≥ 18 have received a current CDC recommended dose*
- Flu (2023-2024)- 21.6% *of the population ≥ 18*
- Pneumococcal (2022)⁺- 62.2% *of the population ≥ 65*
- RSV (2023-2024)⁺ - 12.5% *of the population ≥ 60*
- Td/Tdap (2022) ⁺ - 50.0% *of the population ≥ 65*
- Zoster (2020) ⁺ - 39.2% *of the population ≥ 65*



Program Priorities

- Equitable access
 - Examine additional sources of vaccinators
 - Ensuring underserved populations have accurate information and access to services
- Vaccine Confidence
 - Trusted Messengers
- Continue partnership building/strengthening
- [Pharmacy](#) driven education
- Schools and child care facility driven education
- Data Quality/Immunization Information System Maintained
- Emerging threats i.e., measles

Policy Innovations in Other States



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

- HPV as School Requirement
 - [Hawaii](#)
 - [Virginia](#)
 - [Rhode Island](#)
- Exemption Education Requirement
 - [Vermont](#)
 - [Oregon](#)
 - [Utah](#)
- Universal Vaccine Access
 - [New Hampshire](#)
 - [New Mexico](#)
 - [Alaska](#)

Immunization Coalitions



Why Use Non-Profit and Community-Based Partners in Public Health?

- May be required or encouraged by the funder.
- Can often be a more effective messenger to reach the population of focus.
- More agile than government to quickly implement programs, engage community members, and change course if needed.
- Can function as an external partner to the government agency that can convene stakeholders with a shared mission and vision that complements the more formal programs overseen by the government agency.



Why Use Immunization Coalitions?

- Engage networks of health care providers and other key partners to support efforts to improve vaccination coverage.
- Outreach to specific communities to improve vaccination coverage.
- Promote access to vaccines across the lifespan.
- Provide opportunities for immunization education to providers and the public.
- Promote vaccine confidence through timely and accurate message sharing.
- Offer opportunities for immunization champions to be recognized and highlighted.
- An immunization coalition does not administer vaccines but does organize vaccinating partners to conduct immunization clinics.
- CDC federal funder Immunization Procedures Operations Manual stresses the role of immunization coalitions and [National Network of Immunization Coalitions](#).

What do Immunization Coalitions Do?



NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

- Statewide community vaccination event coordination (not direct services)
- Convening vaccination partners and stakeholders
- Education: evidence-based webinars, media outreach, conference, public outreach, and equity messaging
 - Vaccine champion recognition events
 - PINC packets with immunization schedules to hospitals
- Grassroots immunization advocacy
- Hands-on vaccine administration *education* provided by clinical staff
- DPBH Community Health Nurses (CHNs), local health authorities (LHAs), federally qualified health centers (FQHC), pharmacies, private providers and Nevada State Immunization Program (NSIP) are the core partners for statewide services
 - Access to vaccines will not suffer from coalition service changes as they are not vaccinators.

QUESTIONS?





NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

CONTACT INFORMATION

Julia Peek, MHA, CPM
Deputy Administrator
Division of Public and Behavioral Health
Department of Health and Human
Services
jpeek@health.nv.gov

Vickie Ives, MA
Health Bureau Chief
Child, Family, and Community Wellness
775-684-2201
vives@health.nv.gov

Kristy Zigenis, MA
Immunization Program Manager
775-684-2228
kzigenis@health.nv.gov



ACRONYMS

- DPBH - Division of Public and Behavioral Health
- DTaP/Tdap - Diphtheria, Tetanus, Pertussis
- CHN – Community Health Nurse
- FQHC - Federally Qualified Health Center
- Hep B - Hepatitis B
- Hib - Haemophilus Influenza Type b
- HPV - Human Papillomavirus
- IPV - Inactivated Polio Virus
- LHA - Local Health Authority
- LHN – Local Health Nurse
- LTCF - Long Term Care Facility
- MenACWY - Meningococcal
- MMR - Measles, Mumps, Rubella
- NSIP - Nevada State Immunization Program
- PCV - Pneumococcal
- RSV - Respiratory Syncytial Virus
- SOW - Scope of Work
- UNLV - University of Nevada, Las Vegas
- VAR – Varicella