

Joe Lombardo
Governor



Richard Whitley
Director

Childhood Vaccine Coverage Data

Division of Public and Behavioral Health

Kristy Zigenis, Immunization Program Manager

5/11/23



Department of Health and Human Services

Helping people. It's who we are and what we do.





Agenda



1. Nevada School Entry Requirements
2. Nevada School Response Rates
3. Kindergarten Rates
4. 7th Grade Rates
5. 12th Grade Rates
6. 7 – Series Data
7. Infant Data – Not Up To Date
8. Questions



Nevada School Entry Requirements



- Certain immunizations are required for students enrolled in Nevada public, private, or charter schools and universities according to Nevada Revised Statutes
- All students enrolling in kindergarten, 7th grade, 12th grade, or those who are new to a Nevada school district for any grade, must be fully vaccinated per (NRS) 392.435 and 394.192 and amendments to Nevada Administrative Code (NAC) 392.105, 394.250 and 441A.755
- Students must prove immunity to: diphtheria, tetanus, pertussis, poliomyelitis, rubella, rubeola (measles), mumps, hepatitis A, hepatitis B, varicella, and *Neisseria meningitidis* (meningitis), unless excused because of a religious belief or medical condition.



Annual School Immunization Census



- Each public school, private school, and childcare facility in Nevada is required to report the exact number of students in **kindergarten**, **7th grade**, and **12th grade** who have completed the immunizations required for enrollment before December 31st of each year
- NSIP analyzes this data & then submits data to CDC, which then gets published to SchoolVaxView
- We analyzed this data for the 2019-2020, 2020-2021, & 2021-2022 school years to see the impact of COVID-19 on school immunizations



School Response Rates in 2021-2022 School Year



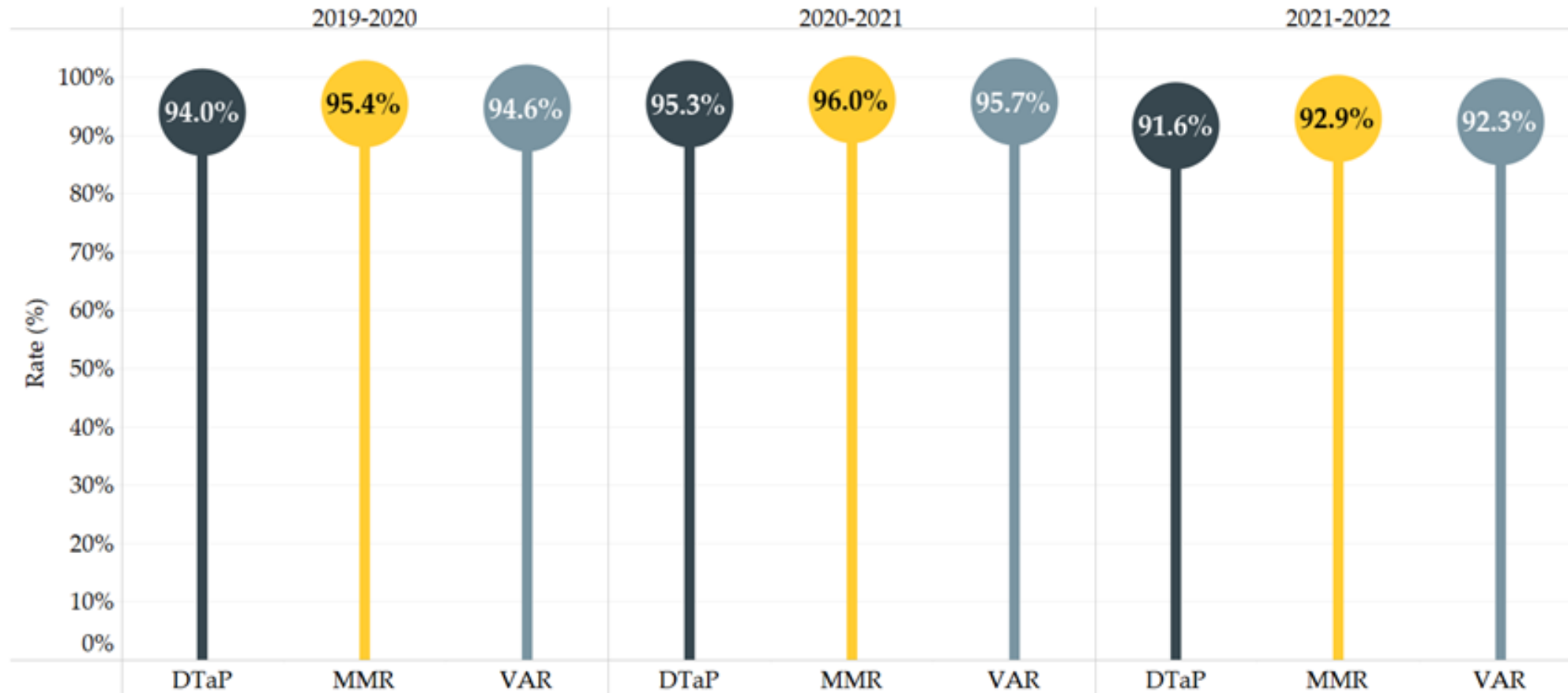
Kindergarten, 7th, and 12th Grade Students in Nevada Captured in the Survey by School Type - SY2122

	Number of Students Enrolled in Nevada (N)	Number of Students Analyzed in Survey (n)	Percent of Students Captured in Survey (%)
Public	94,552	87,721	92.8%
Charter	12,467	11,274	89.4%
Private	4,855	4,011	81.3%
Grand Total	111,874	103,006	87.8%



Kindergarten Rates

Rates of Select School Required Vaccines for Nevada Kindergartners by School Year

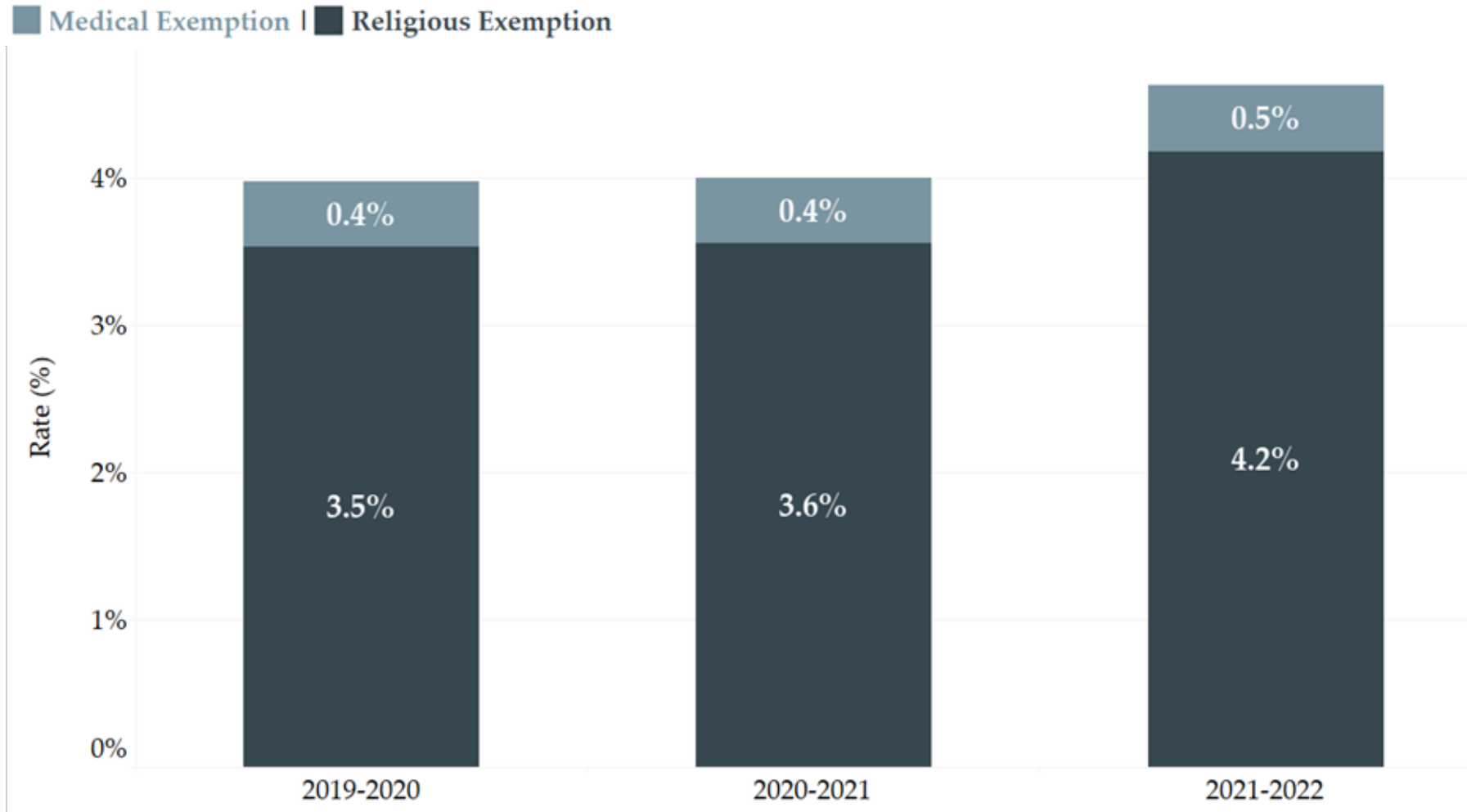


(Source: Annual Immunization Reporting Survey, SY19-20-SY20-21)



Kindergarten Rates

Rate of Kindergarten Students in Nevada with Exemptions by Type and School Year

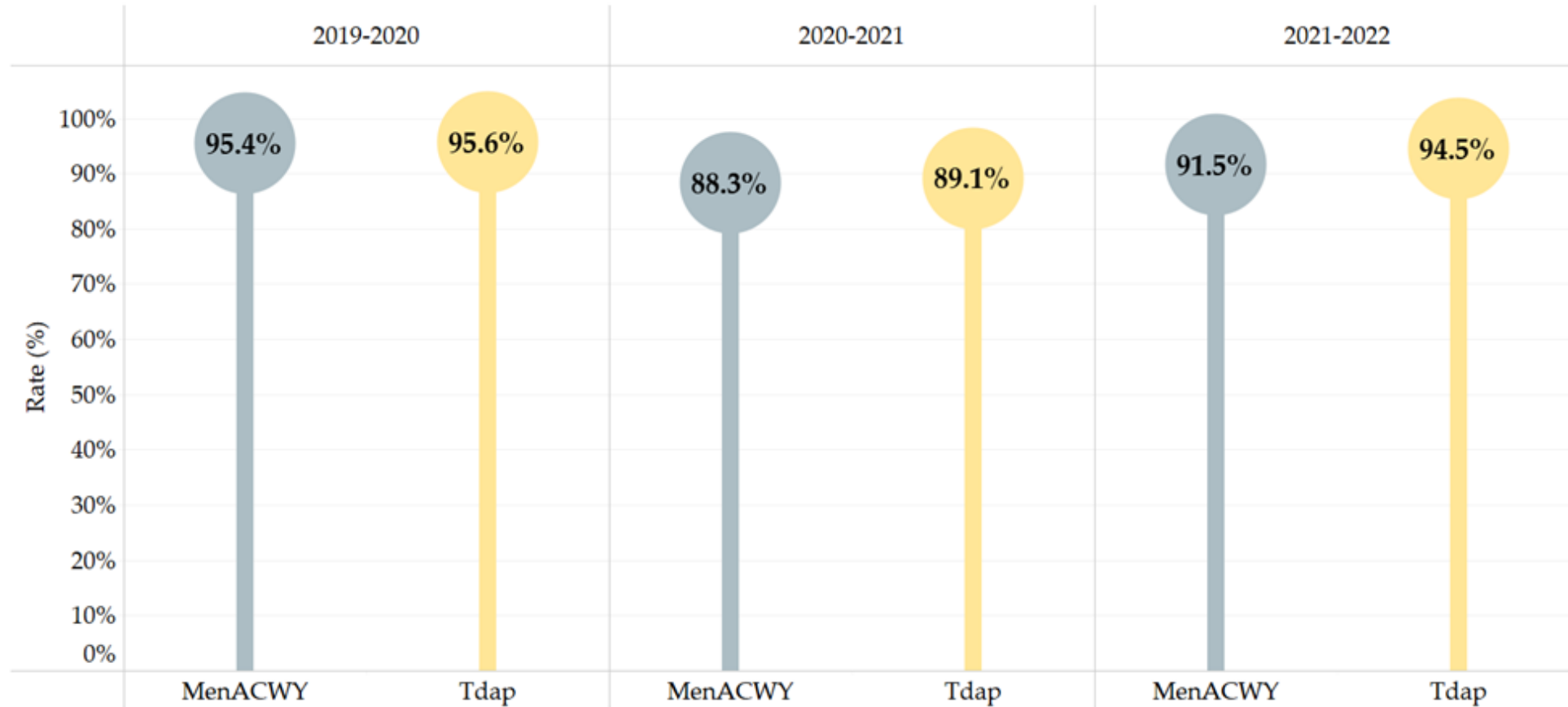


(Source: Annual Immunization Reporting Survey, SY19-20-SY20-21)



7th Grade Rates

Rates of Select School Required Vaccines for Nevada 7th Graders by School Year

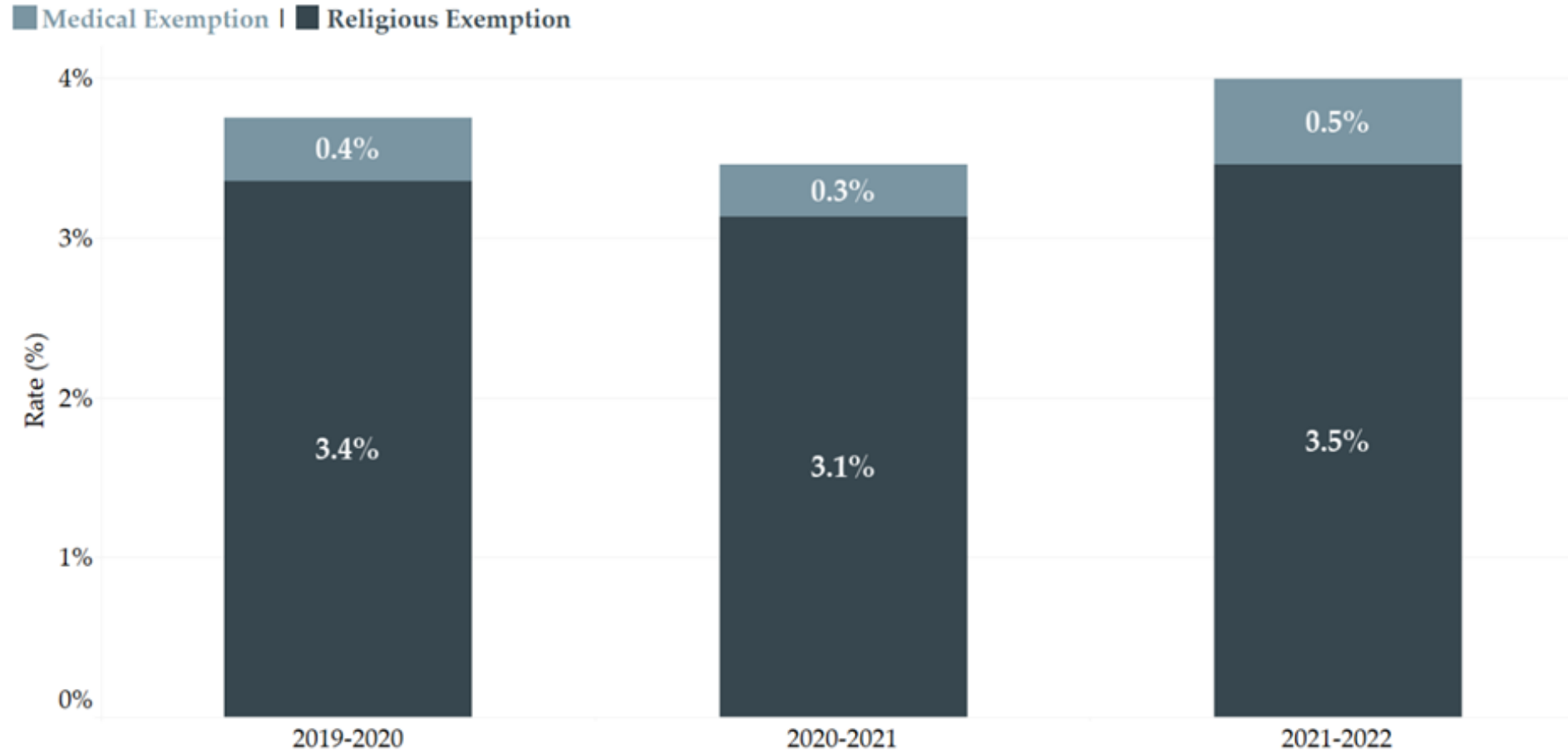


(Source: Annual Immunization Reporting Survey, SY19-20-SY20-21)



7th Grade Rates

Rate of 7th Grade Students in Nevada with Exemptions by Type and School Year

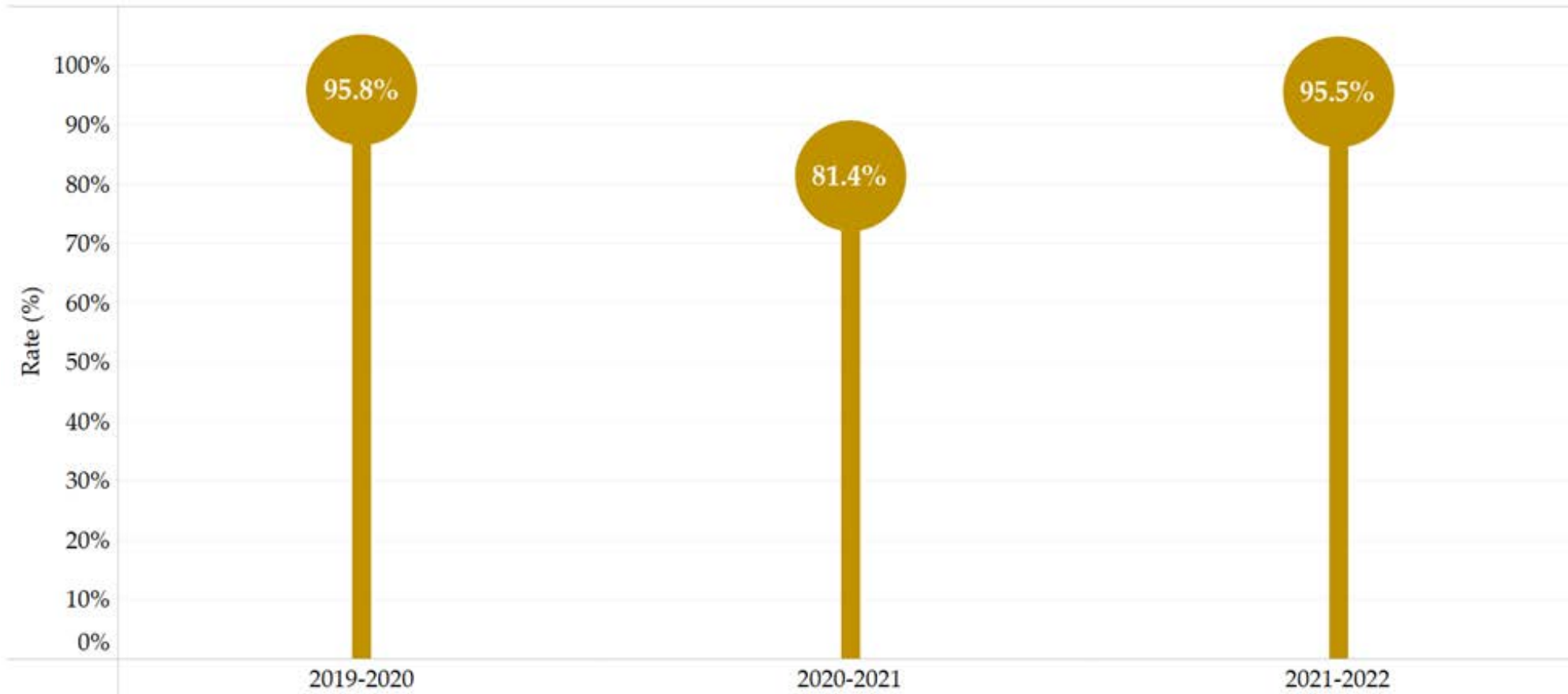


(Source: Annual Immunization Reporting Survey, SY19-20-SY20-21)



12th Grade Rates

Rates of MenACWY for Nevada 12th Graders by School Year

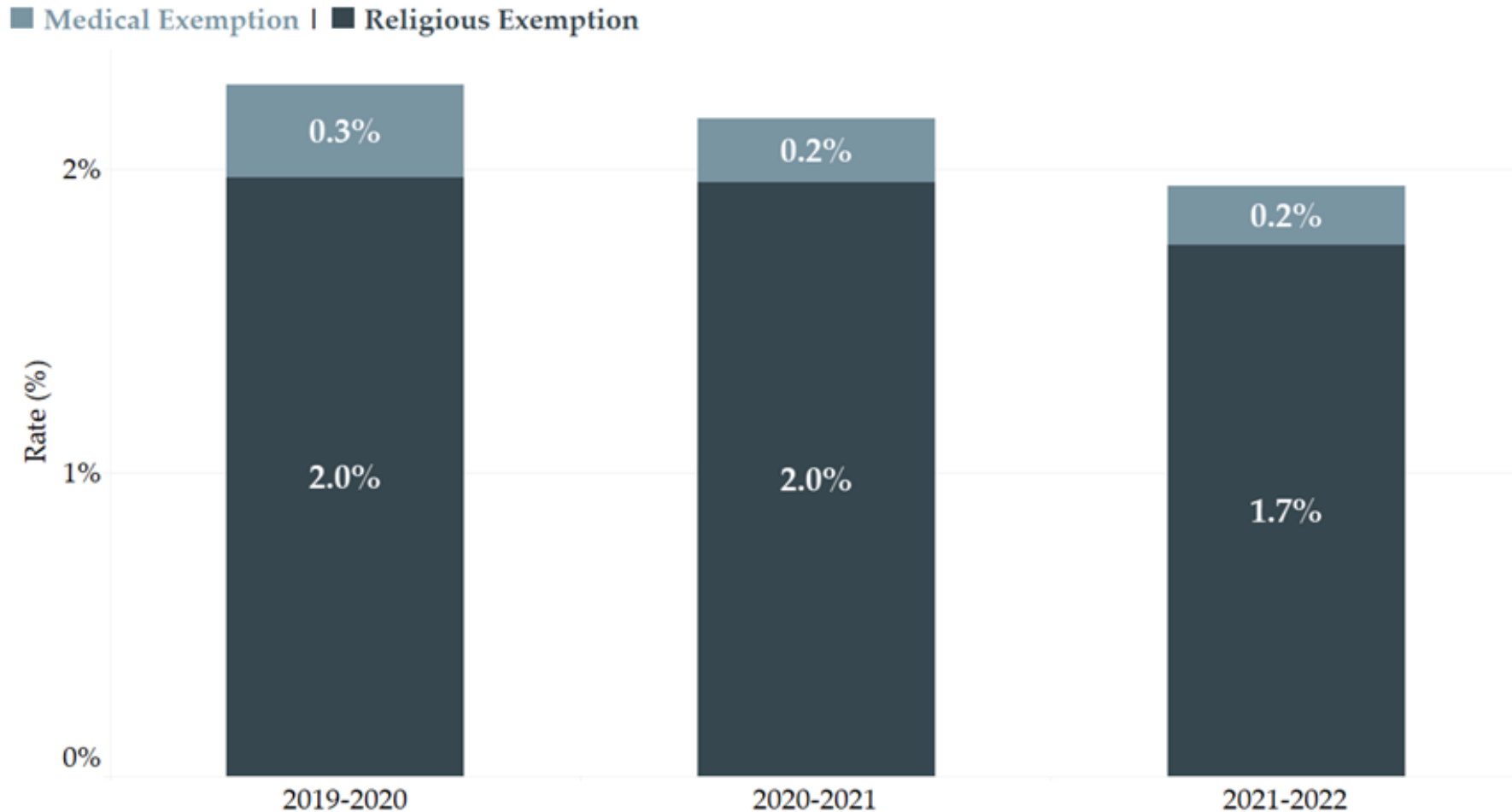


(Source: Annual Immunization Reporting Survey, SY19-20-SY20-21)



12th Grade Rates

Rate of 12th Grade Students in Nevada with Exemptions by Type and School Year



(Source: Annual Immunization Reporting Survey, SY19-20-SY20-21)



What is the 7-series?

≥ 4 doses

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

≥ 3 doses

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

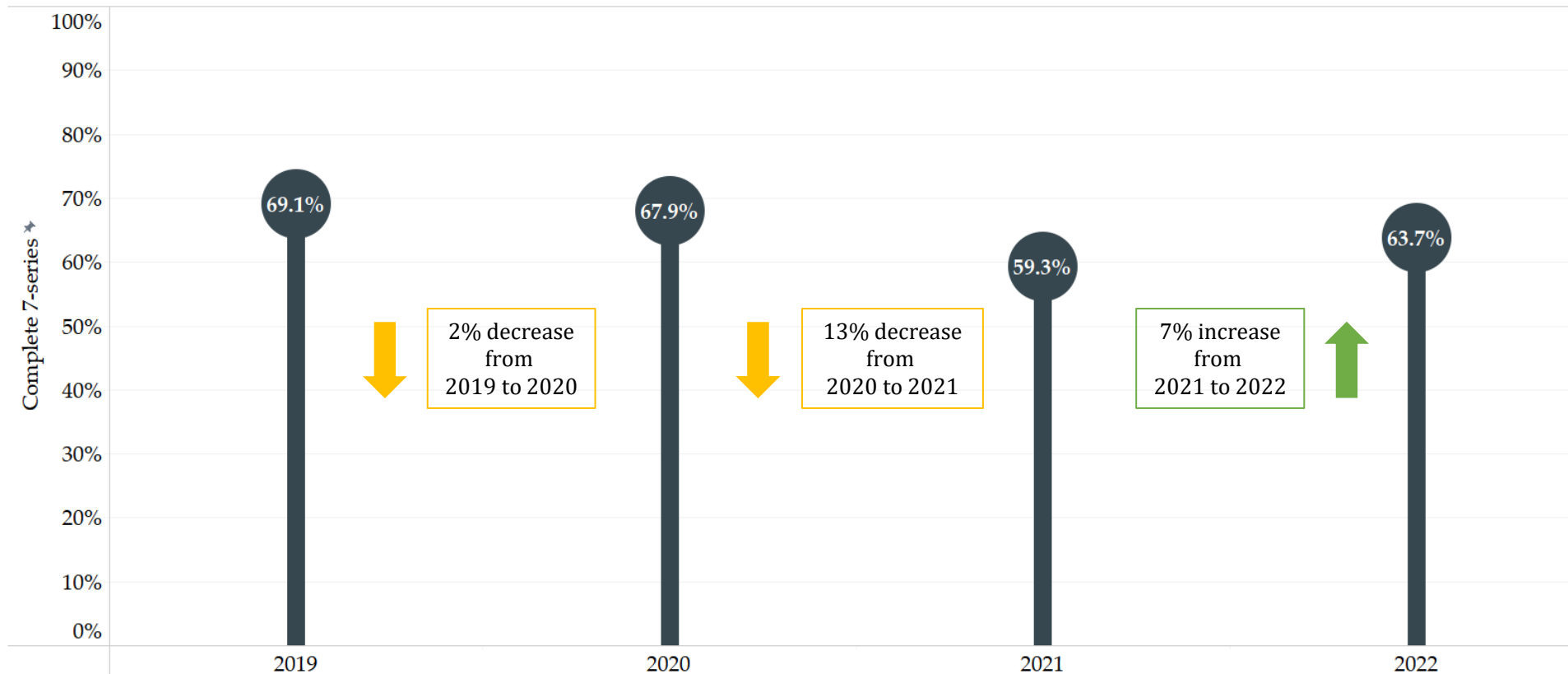
≥ 1 dose

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



How does this rate compare to past years?

Infant 7-Series Rate in Nevada from 2019-2022



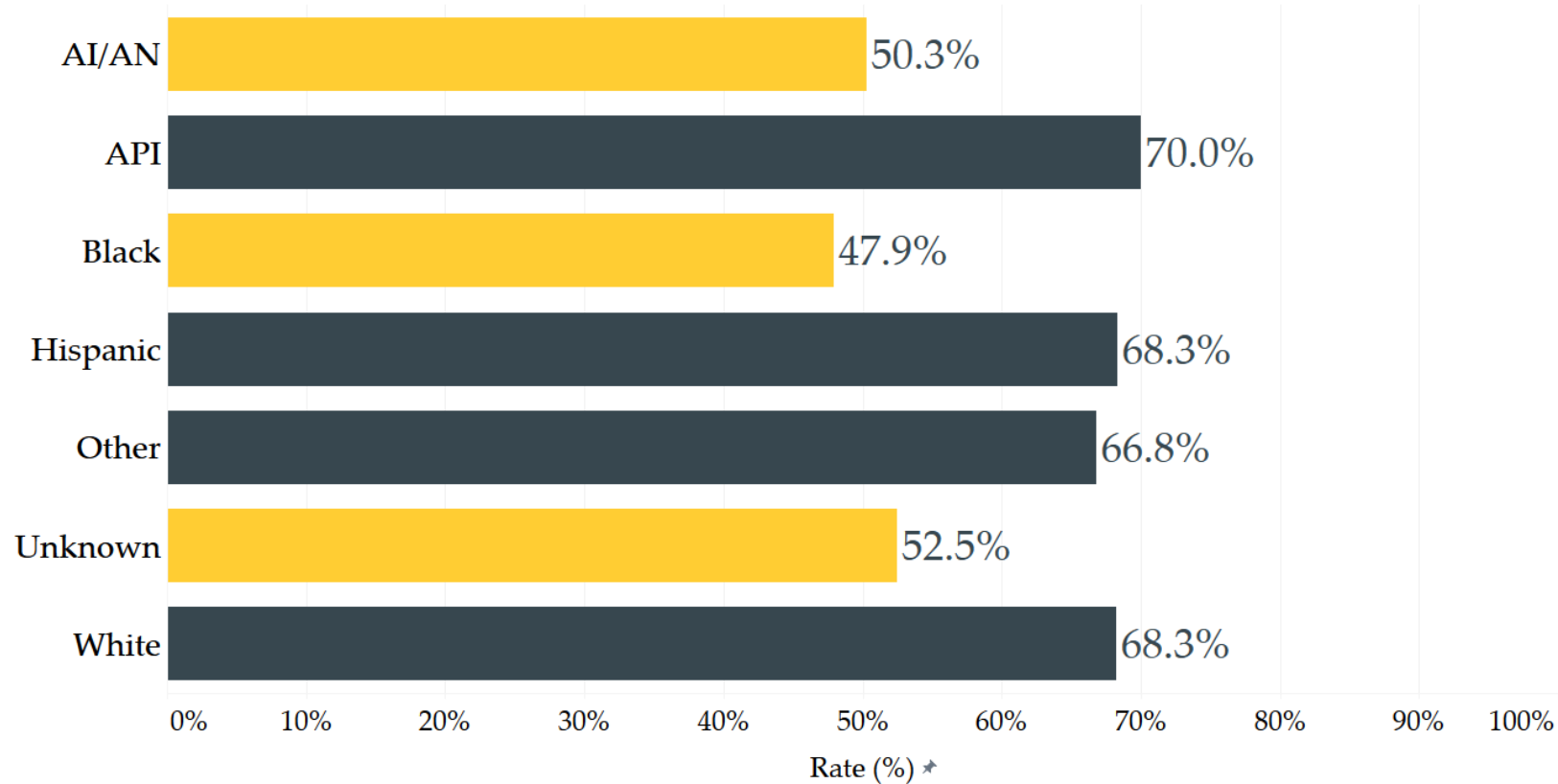
In 2022, NV saw a rebound in 7-series completion rates in infants, but rates are still lower than pre-pandemic levels.



What differences in completion rates are seen by Race/Ethnicity?



7-Series Rates in Nevada by Race/Ethnicity, 2022

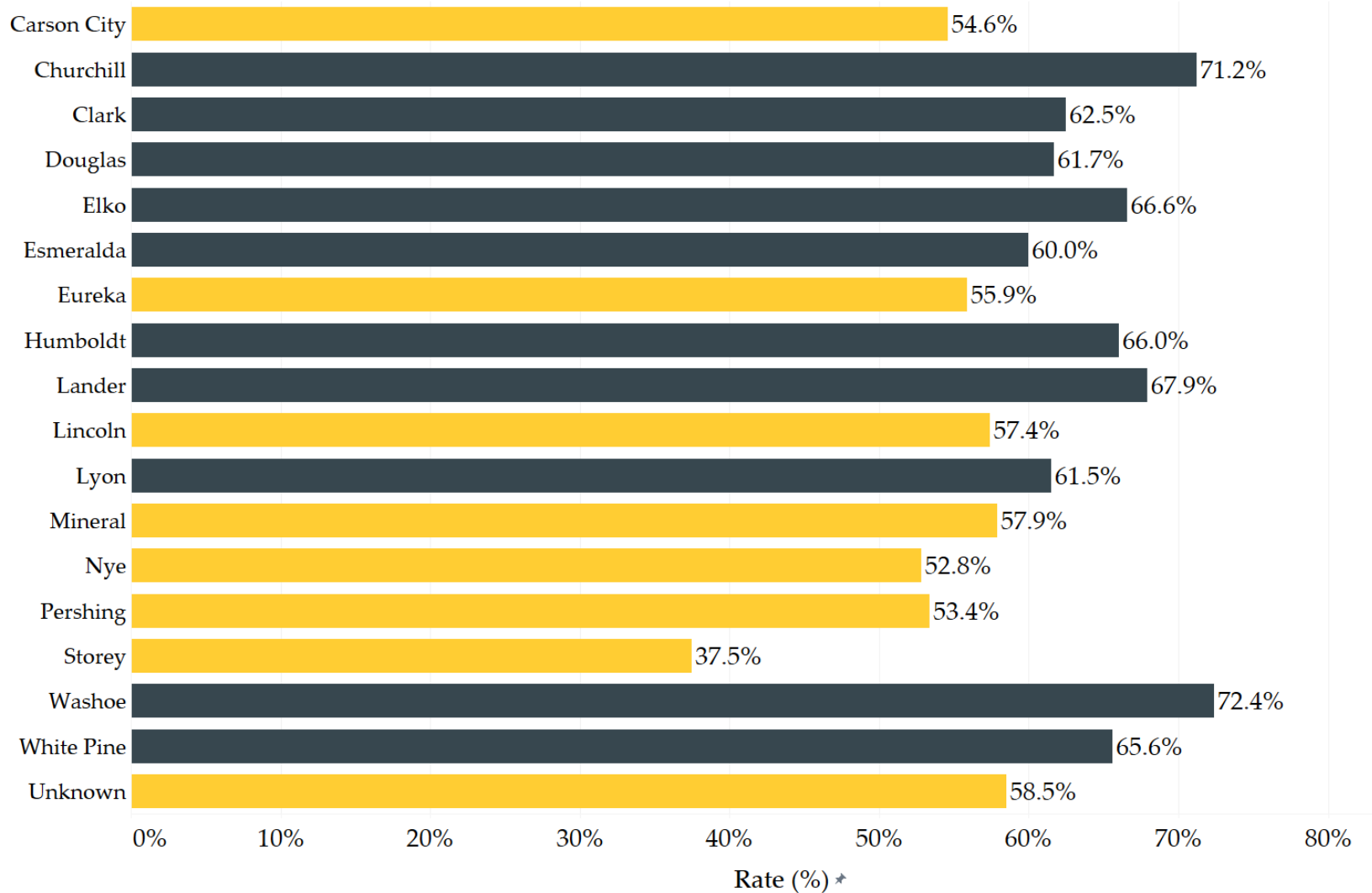


Native American and Black infants have lower completion rates than other race/ethnicities. Those with unknown race also see lower rates of completion.



What differences in rates are seen by County?

7-Series Rates in Nevada by County, 2022



The yellow bars represent counties with rates lower than 60%.



What about the infants who are not up-to-date?

36.3%

of infants are not up-to-date
on their 7-series in 2022

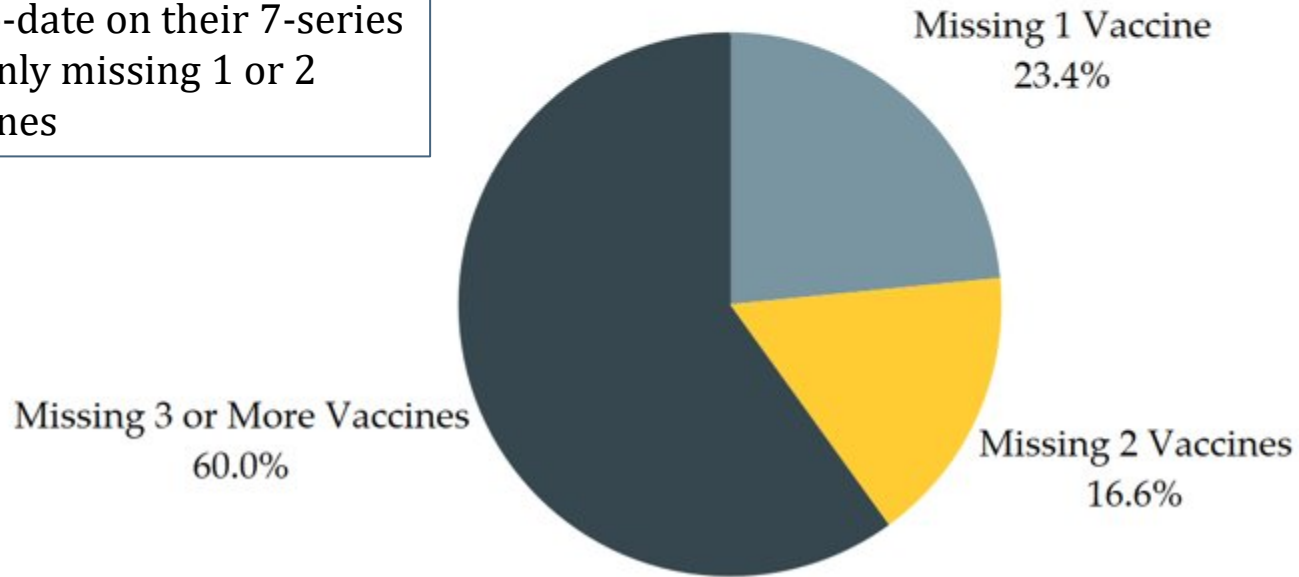


What percent of infants are only missing 1 or 2 vaccines in order to be up-to-date?



Number of Additional Vaccines Needed for Infants to Complete their 7-Series in Nevada, 2022

40% of infants who are not up-to-date on their 7-series are only missing 1 or 2 vaccines

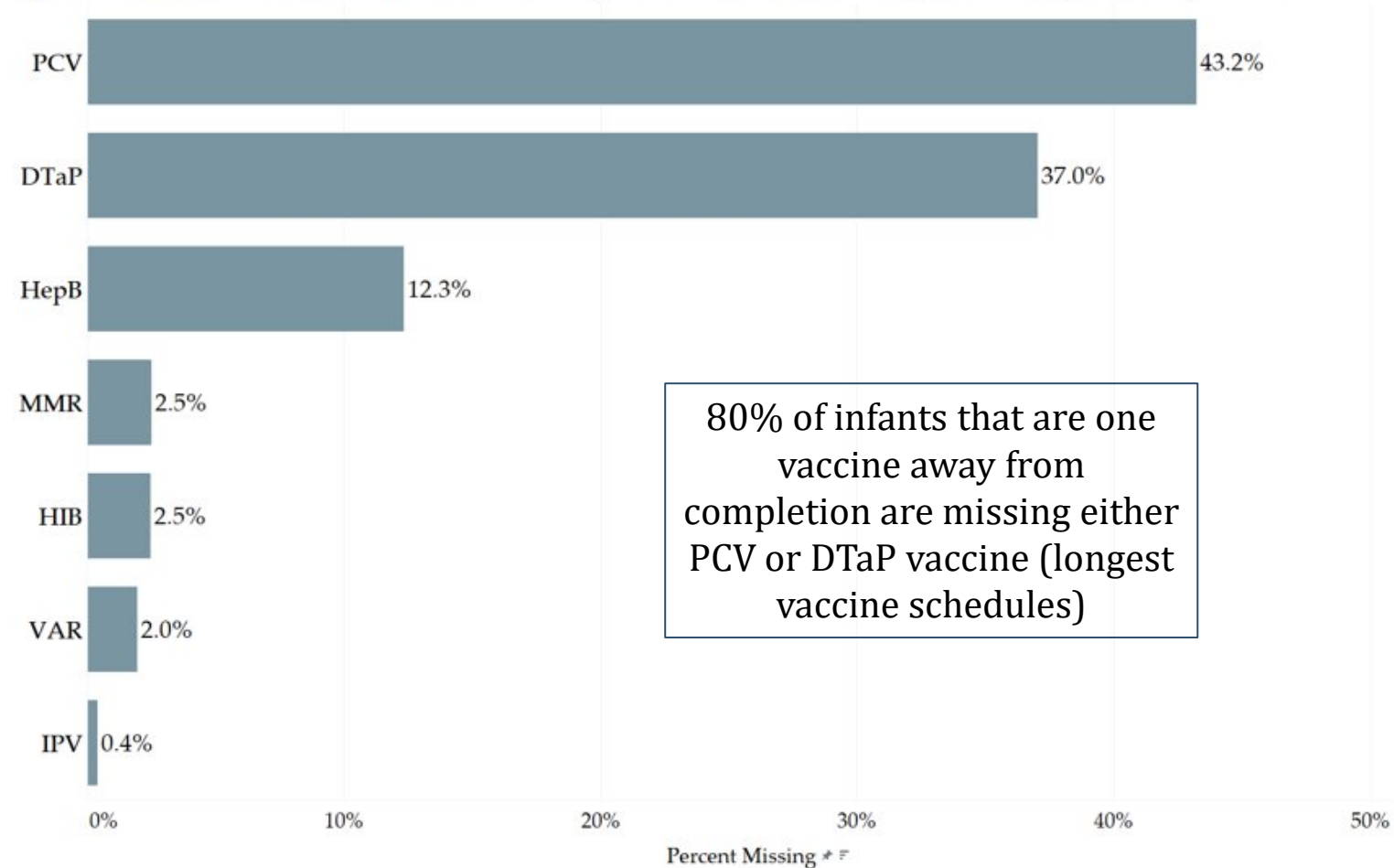




If they are only missing one vaccine, what are they missing?



Type of Vaccine Needed for Infants Missing One Vaccine to Complete Series, Nevada, 2022





What about if they are missing two vaccines?

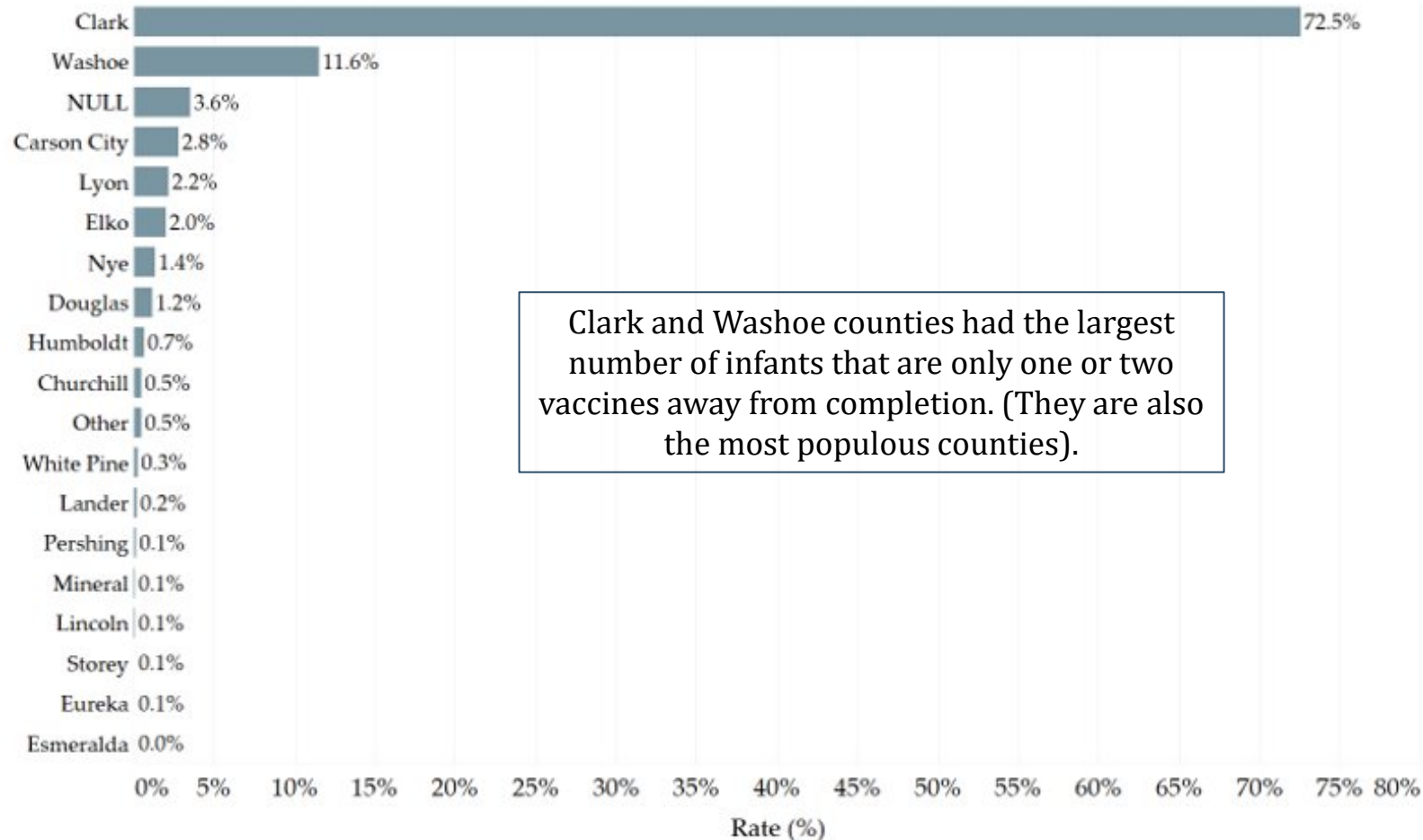
60.4%

of infants missing two
vaccines are missing
DTaP and PCV



What counties have the largest percent of infants missing one or two vaccines?

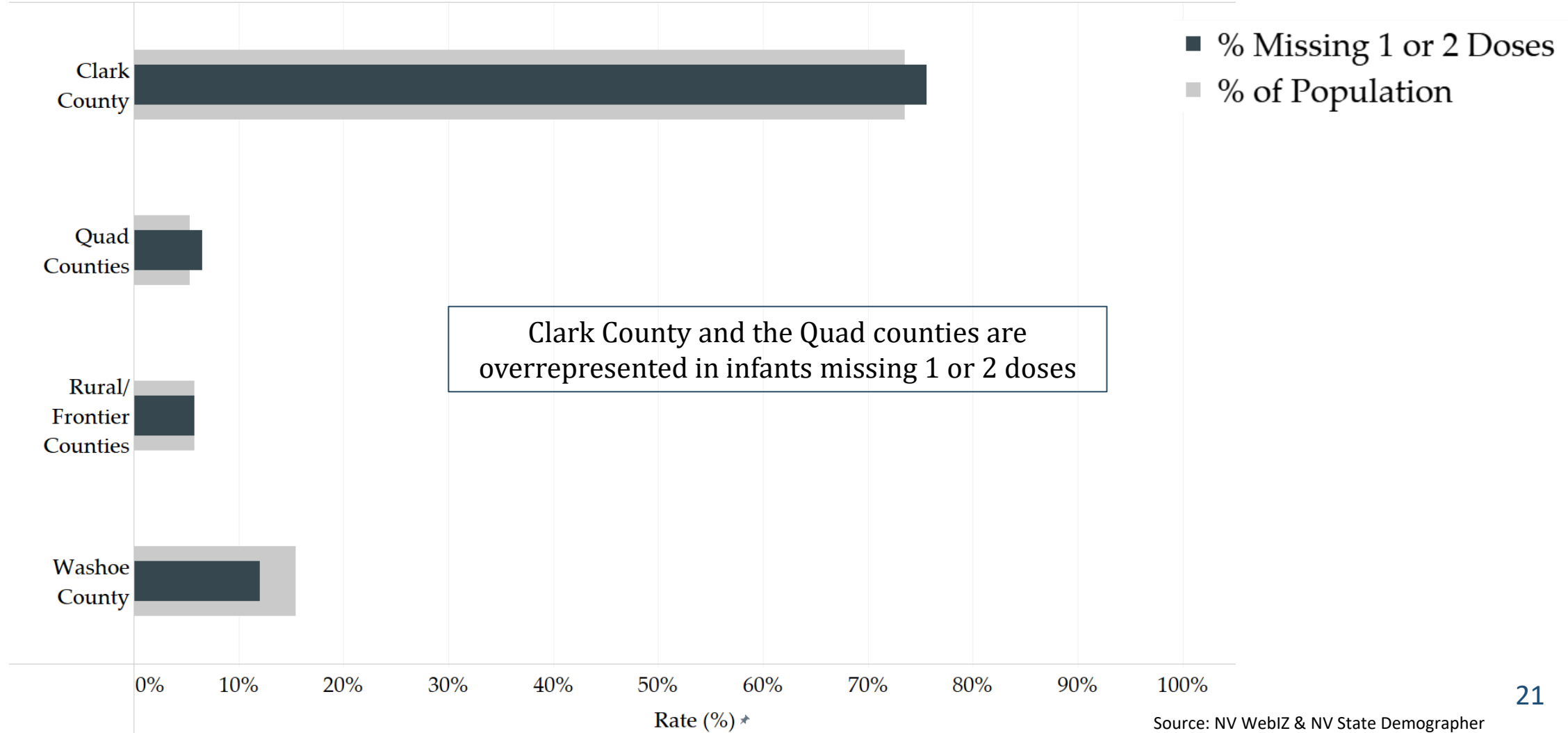
Percentage of Infants Missing One or Two Vaccines to Complete 7-Series by County, Nevada, 2022





What counties are overrepresented in infants missing 1 or 2 doses to complete 7-series?

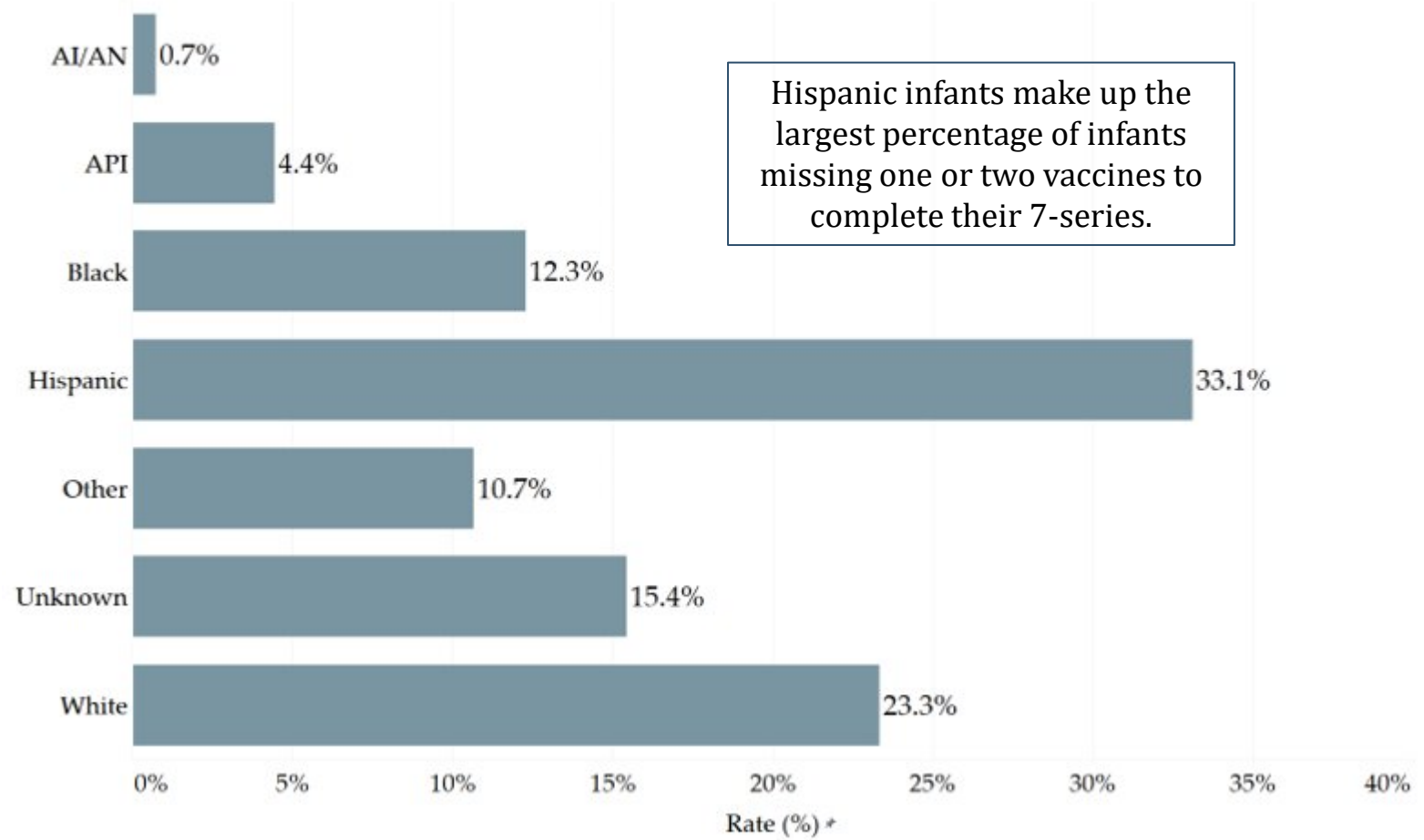
Proportion of Infants Missing One or Two Doses to Complete 7-Series vs. Proportion of Infants in Each Jurisdiction, 2022





What race/ethnicities have the largest percent of infants missing one or two vaccines?

Percentage of Infants Missing One or Two Vaccines to Complete 7-Series by Race/Ethnicity, Nevada, 2022



Black infants and infants with unknown race/ethnicity had lower 7-series completion rates.



Questions?



Contact Information



Kristy Zigenis

Immunization Program Manager

kzigenis@health.nv.gov

775-684-2228