

School Vaccine Requirements Impact on Vaccine Uptake

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Virginia School Vaccine Requirements 2020

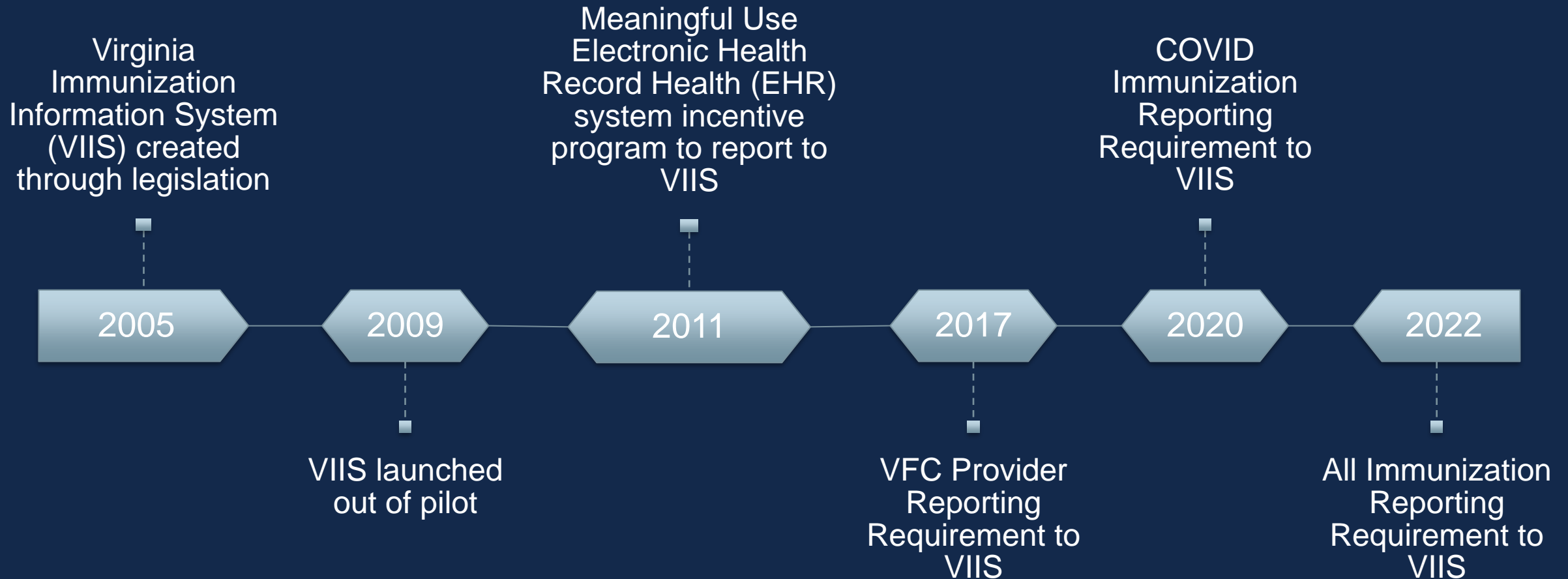
- Diphtheria, Tetanus & Pertussis (DTaP/Tdap)
- Hepatitis B
- Haemophilus Influenzae Type b (Hib)
- Measles, Mumps & Rubella (MMR)
- Pneumococcal (PCV)
- Polio
- Varicella (Chickenpox)
- Human Papillomavirus (HPV)
Females

Virginia School Vaccine Requirements

2021

- Diphtheria, Tetanus & Pertussis (DTaP/Tdap)
 - Hepatitis B
 - Haemophilus Influenzae Type b (Hib)
 - Measles, Mumps & Rubella (MMR)
 - Pneumococcal (PCV)
 - Polio
 - Varicella (Chickenpox)
-
- Rotavirus
 - Hepatitis A
 - MenACWY
 - Human Papillomavirus (HPV)
Females and Males

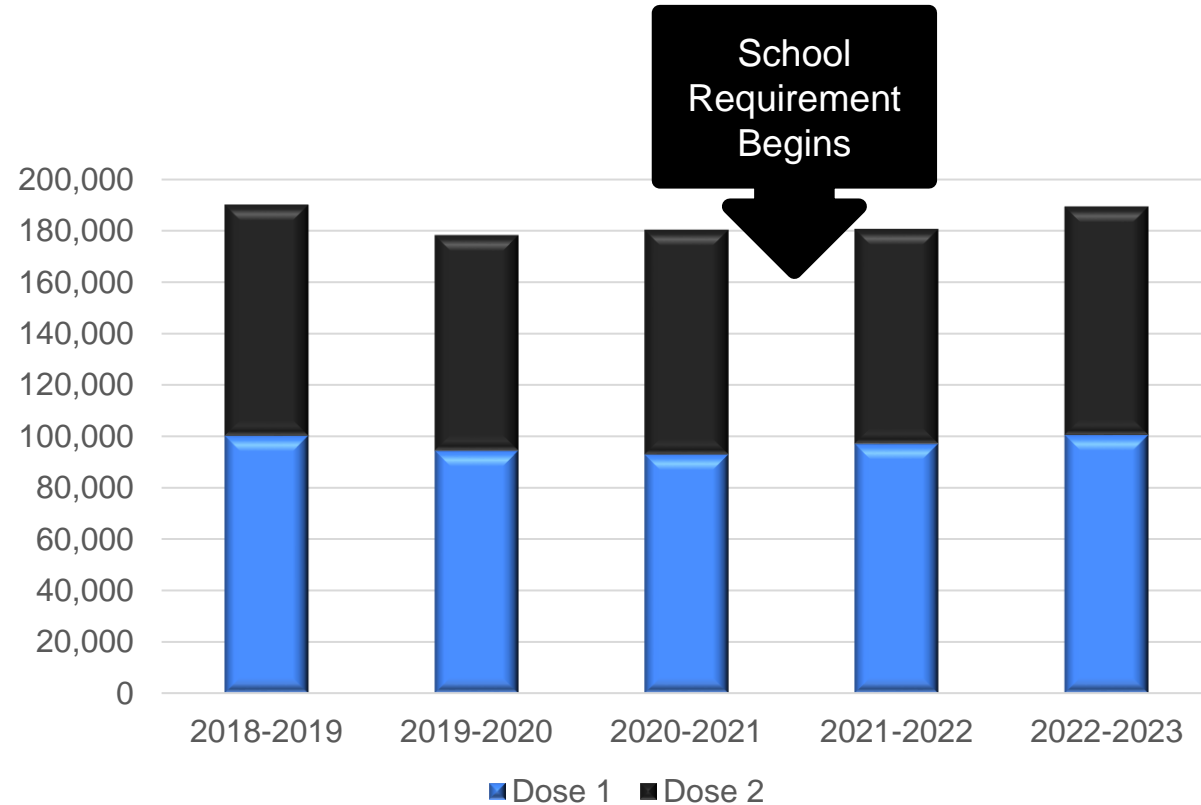
Virginia Immunization Information System



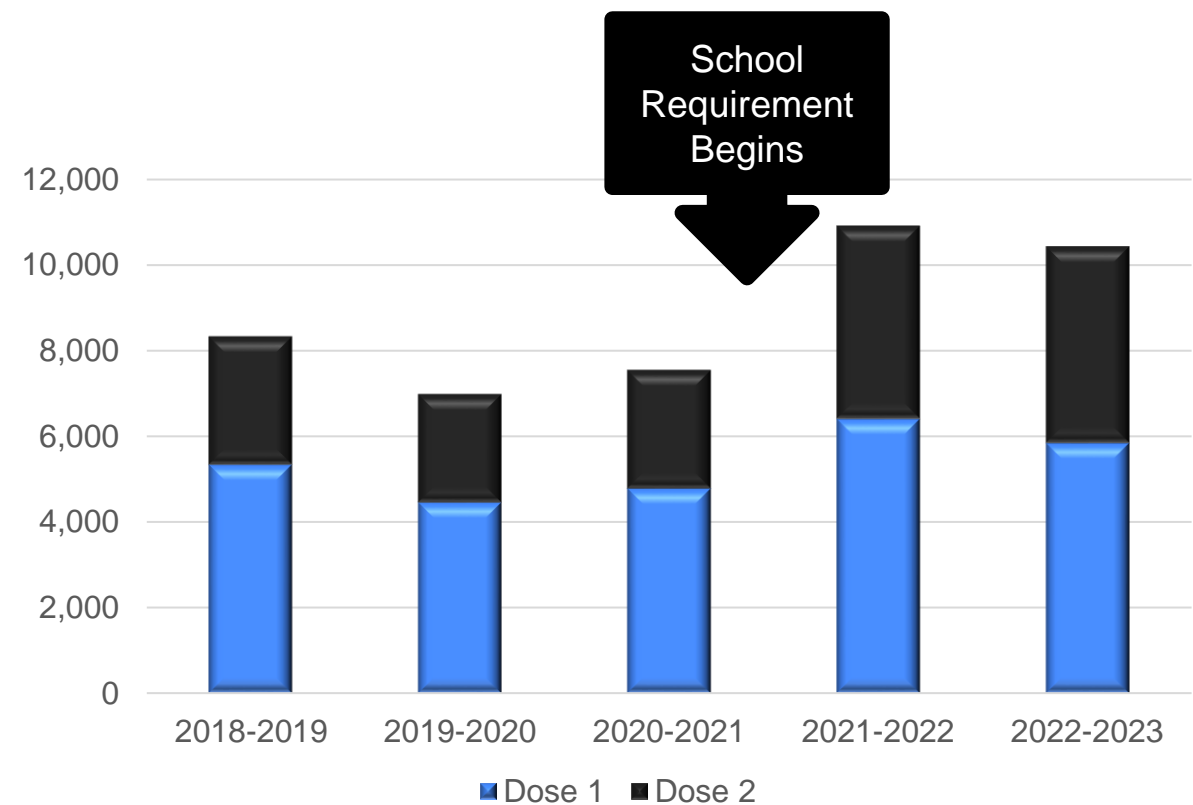
VIIS Data Considerations and Limitations

- IIS vaccine doses geocoded in Google Cloud Platform Data Warehouse
- Limitations
 - Required reporting to IIS only began 2022
 - No definitive list of providers who administer vaccines
 - IIS to IIS connection exists only with Delaware (as of December 2023)
 - Federal Partners: IIS is connected to Veterans Affairs but not yet Department of Defense
 - Schools often use VIIS to query/look up records but do not report doses administered

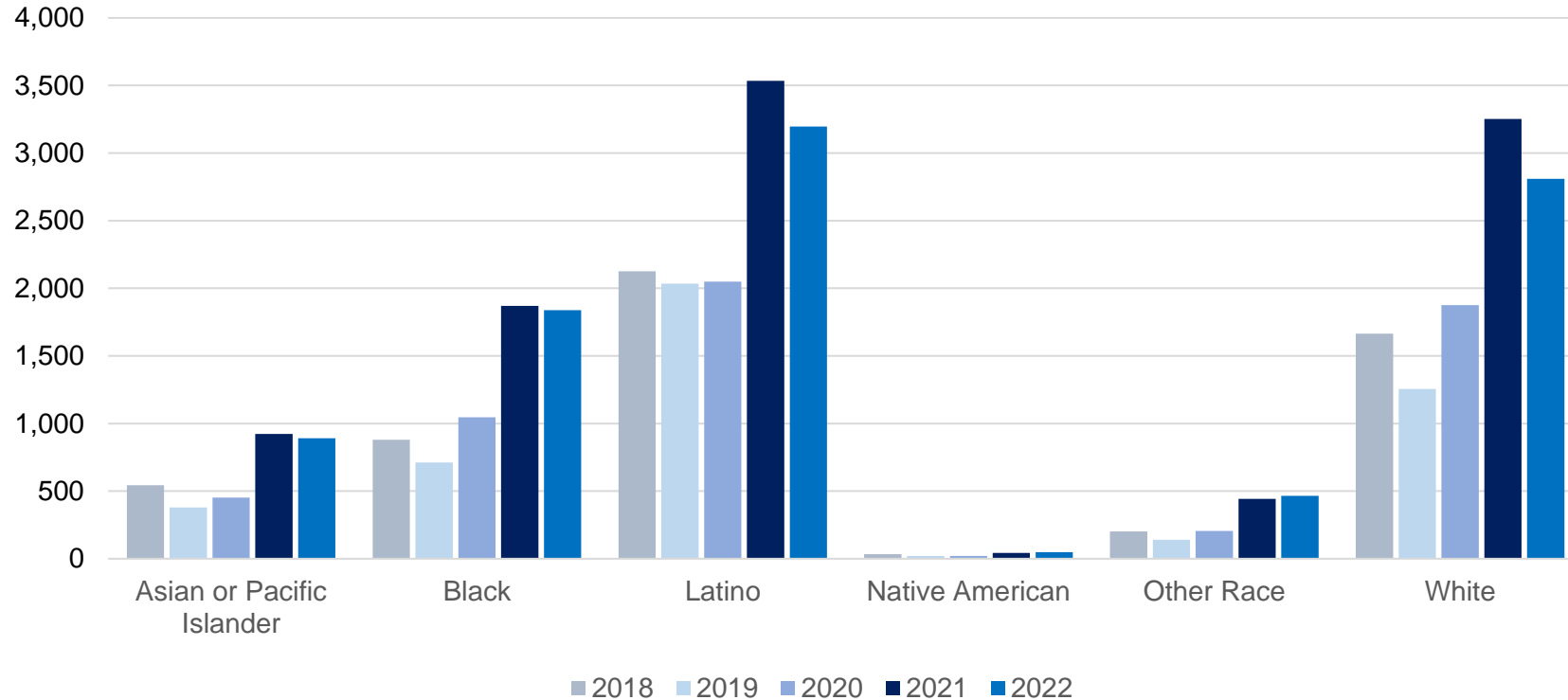
Hepatitis A Vaccine Doses Children Under 7 Years 2018-2023



Hepatitis A Vaccine Doses Children 5-6 Years 2018-2023



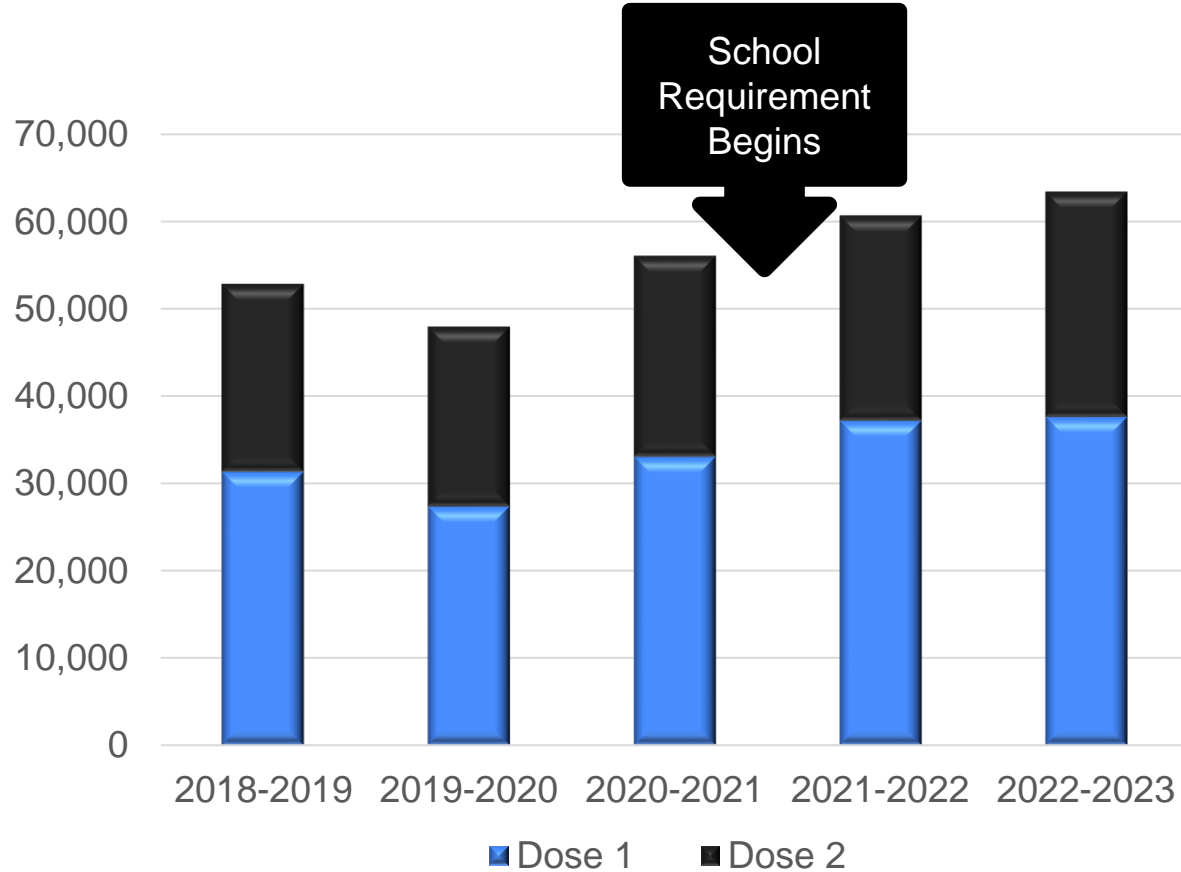
HepA Vaccine Doses Administered by Race/Ethnicity (Ages 5-6)



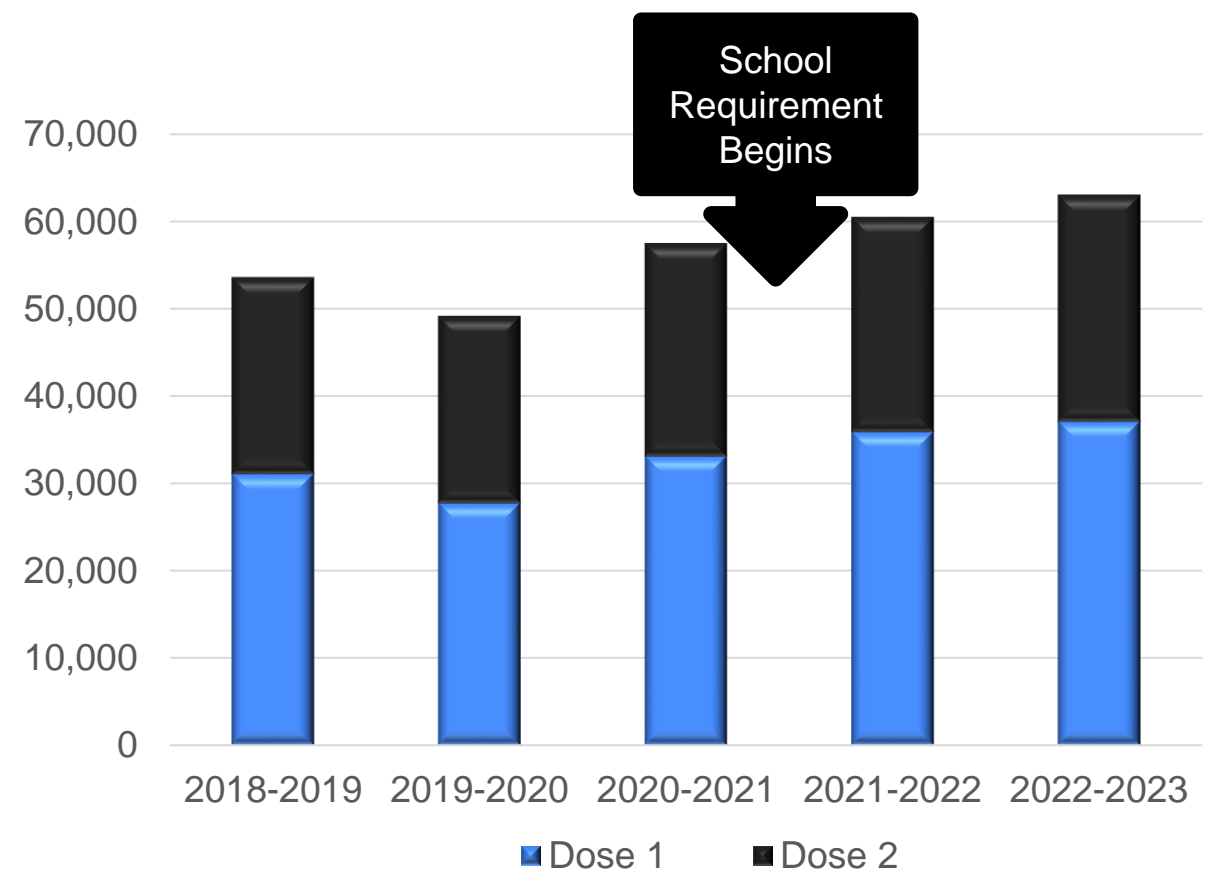
Year Over Year Change for Geographical Classifications – HepA (Ages 5-6)

Geographical Classification	2019	2020	2021	2022
Mixed Rural	-14.3%	4.9%	37.9%	-15.5%
Mixed Urban	-17.2%	4.3%	42.9%	-11.2%
Rural	-16.1%	23.8%	27.1%	-7.2%
Urban	-17.7%	5.6%	55.9%	-3.6%
Total	-17.0%	7.4%	47.7%	-6.6%

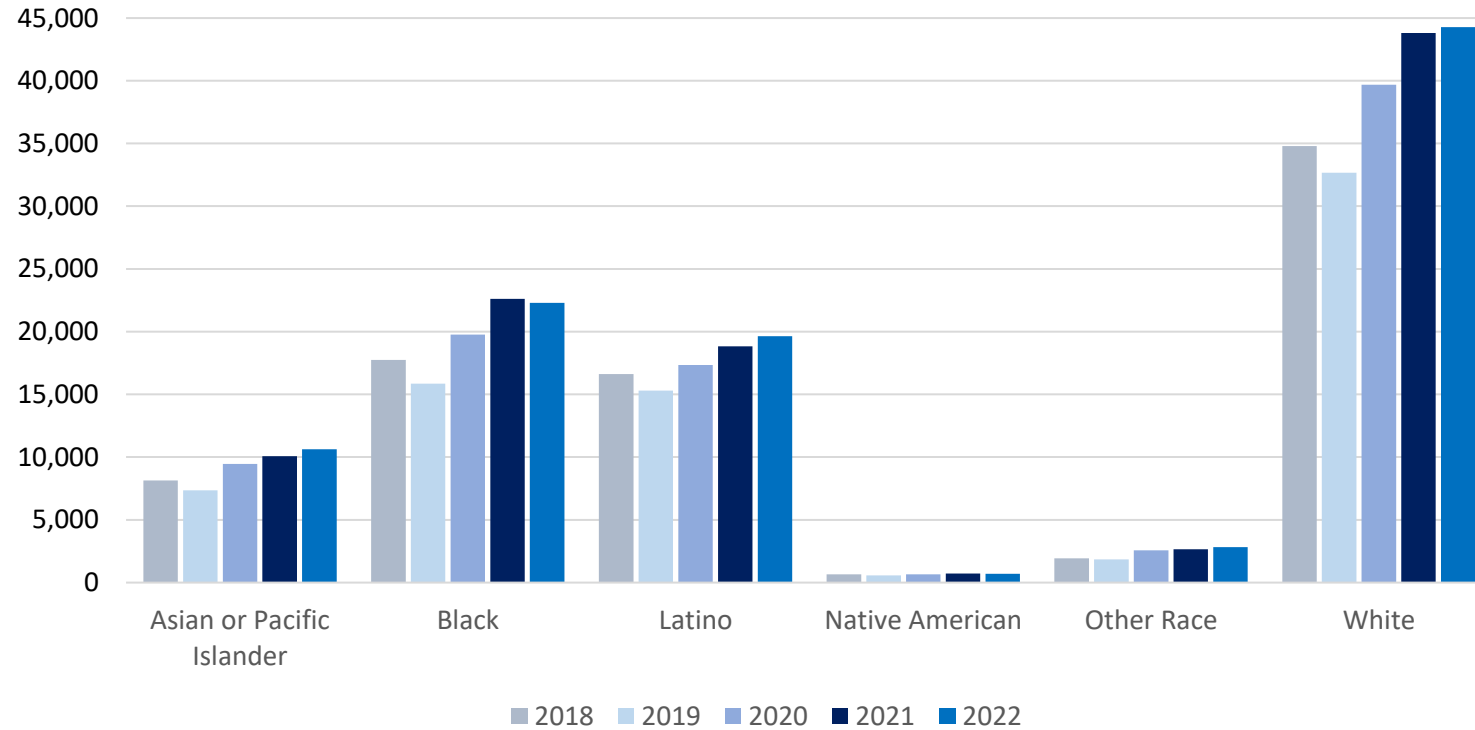
Number of HPV Doses Males 11-13 Years 2018-2023



Number of HPV Doses Females 11-13 Years 2018-2023



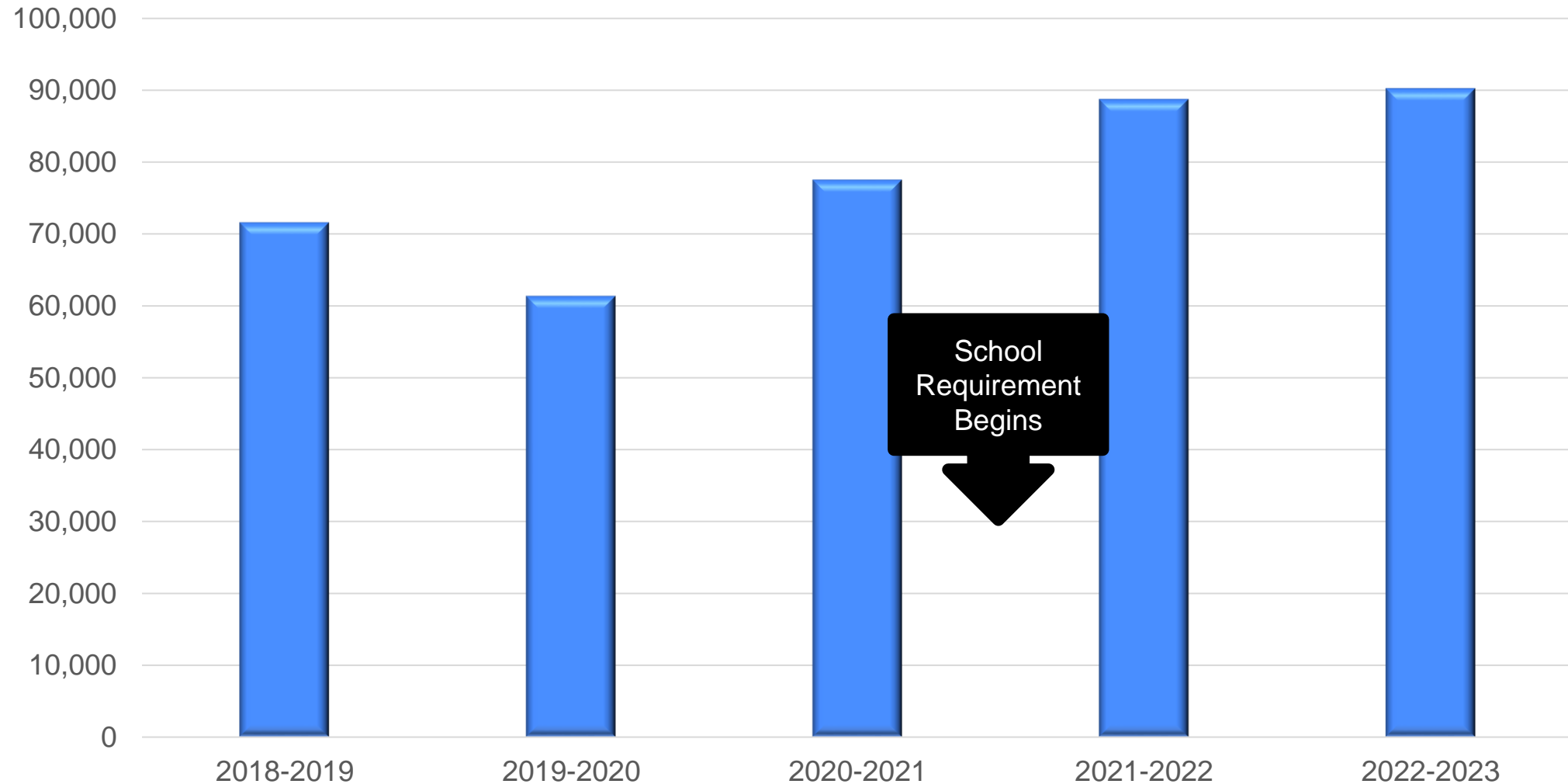
HPV Vaccine Doses Administered by Race/Ethnicity (Ages 11-13)



Year Over Year Change for Geographical Classifications – HPV (Ages 11-13)

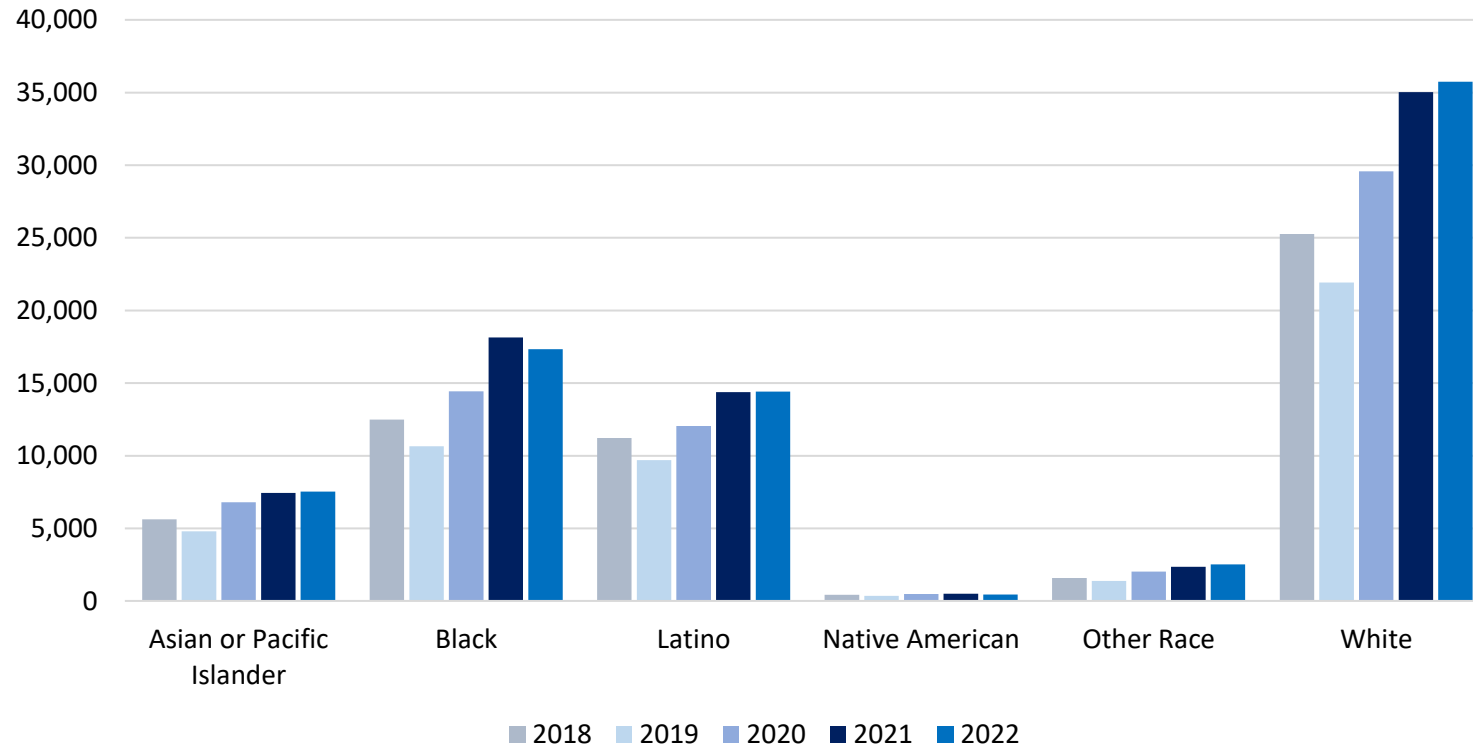
Geographical Classifications	2019	2020	2021	2022
Mixed Rural	-5.0%	12.3%	8.5%	-0.2%
Mixed Urban	-4.3%	19.5%	8.4%	1.8%
Rural	-7.1%	15.4%	5.2%	-0.4%
Urban	-10.2%	17.1%	5.6%	5.1%
Total	-8.1%	16.6%	6.4%	3.1%

Doses of MenACWY Children 11-13 Years 2018 - 2023



School Year is July 1 – June 30
Ex: July 1, 2018 – June 30, 2019

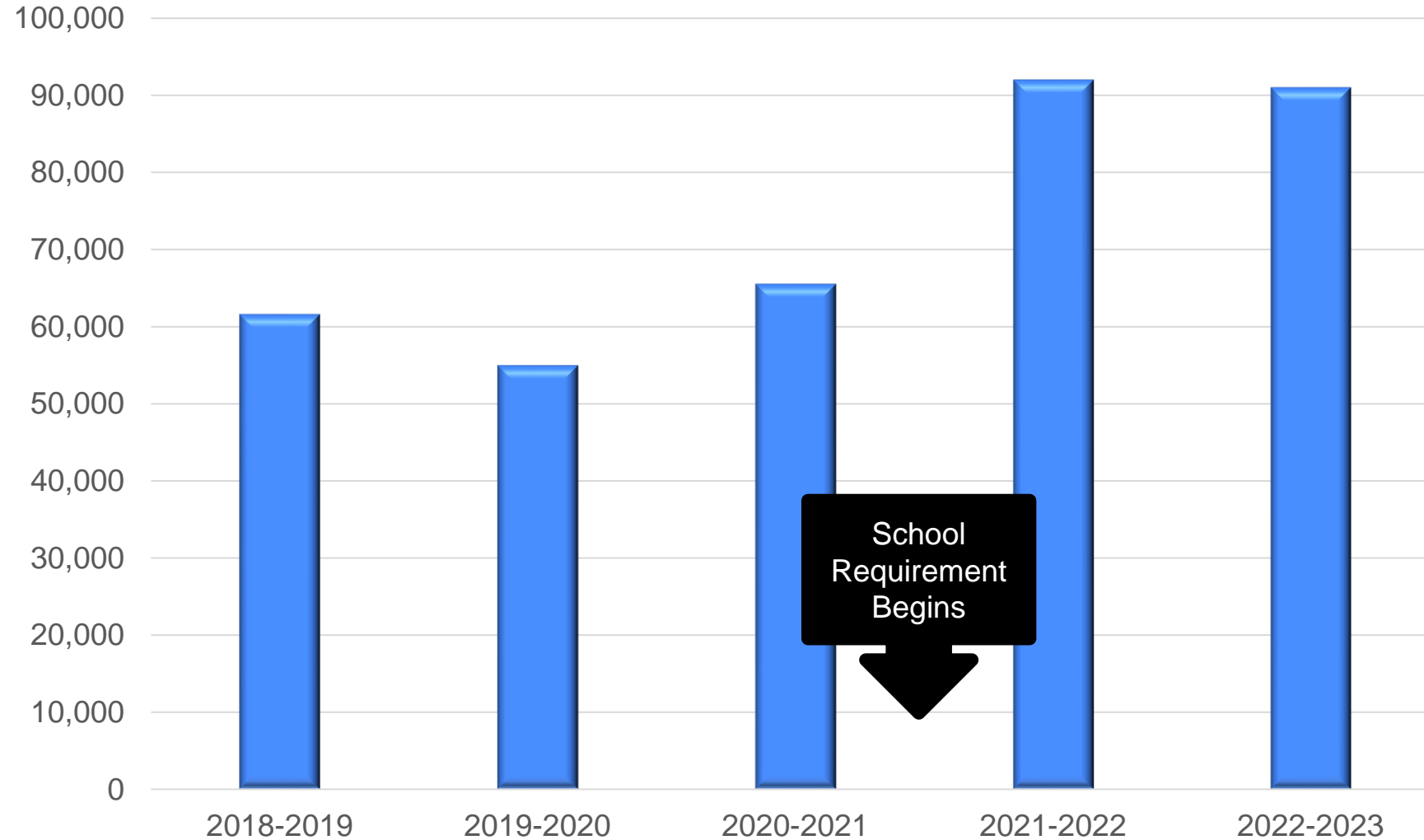
MenACWY Vaccine Doses Administered By Race/Ethnicity (Ages 11-13)



Year Over Year Change for Geographical Classifications – MenACWY (Ages 11-13)

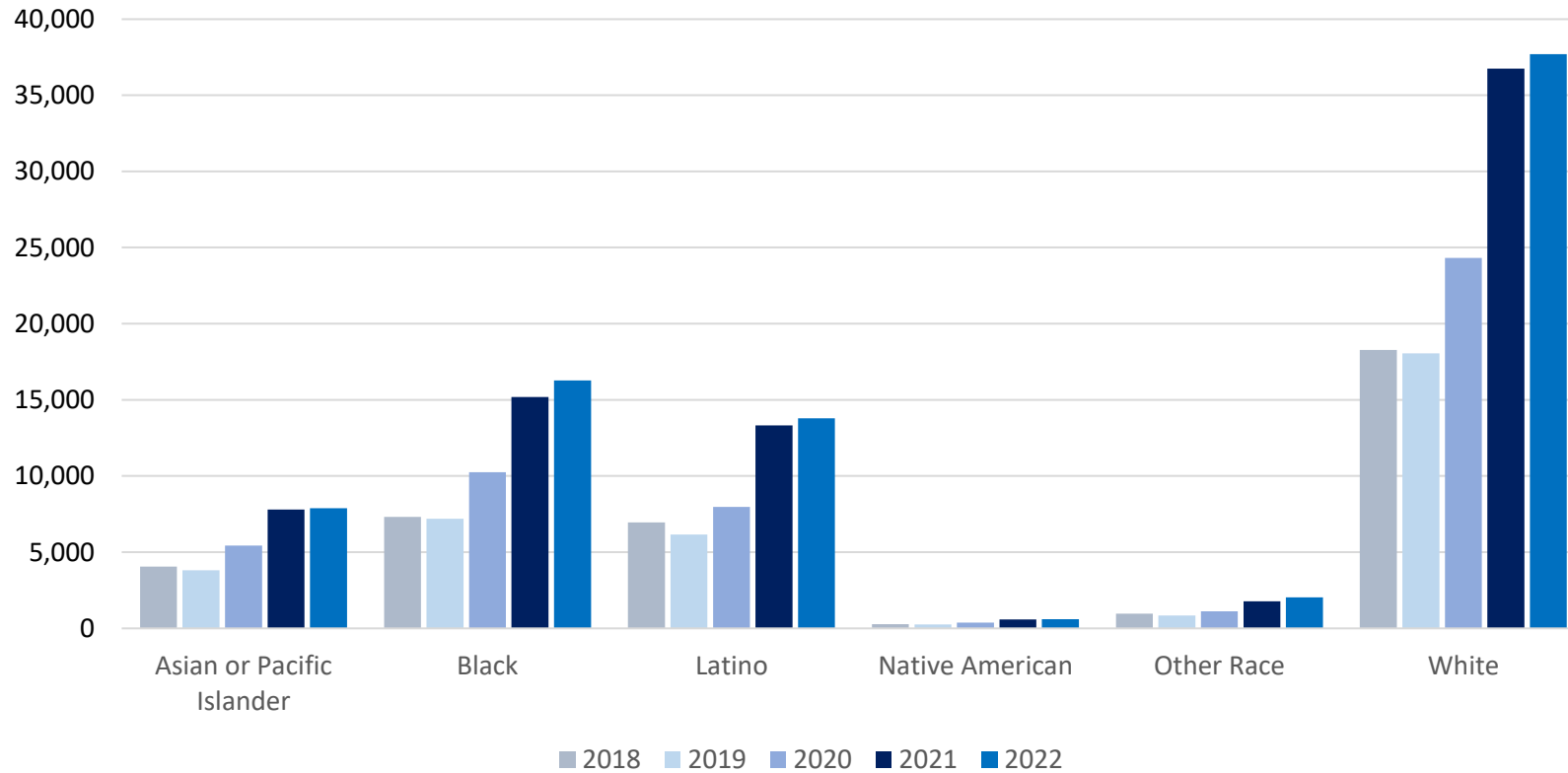
Geographic Classifications	2019	2020	2021	2022
Mixed Rural	-15.3%	24.0%	17.1%	2.1%
Mixed Urban	-11.7%	24.6%	10.7%	1.1%
Rural	-14.6%	25.5%	22.9%	0.0%
Urban	-14.7%	27.3%	12.3%	3.4%
Total	-14.3%	26.1%	14.0%	2.3%

Doses of MenACWY Children 16-18 Years 2018 - 2023



School Year is July 1 – June 30
Ex: July 1, 2018 – June 30, 2019

MenACWY Vaccine Doses Administered by Race/Ethnicity (Ages 16-18)



Year Over Year Change for Geographical Classifications – MenACWY (Ages 16-18)

Geographical Classifications	2019	2020	2021	2022
Mixed Rural	-4.7%	24.3%	53.1%	3.8%
Mixed Urban	-5.1%	30.8%	56.0%	1.5%
Rural	-8.8%	26.7%	70.3%	3.6%
Urban	-10.3%	23.9%	38.4%	7.4%
Total	-8.5%	25.5%	47.5%	5.2%

Benefits of School Vaccine Requirements

- Increases vaccine uptake, protects children, and prevents/limits community outbreaks.
- Improves children vaccinated on time.
- Creates equity in access to vaccines for all children.

Thank You!

Contact Information

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<https://www.vdh.virginia.gov/immunization/>