

MDHHS Division of Immunization Update

Fall Immunization Conference

November 7, 2024



Topics

- The state of immunizations
 - Childhood and adolescent vaccination coverage
 - School data
 - Respiratory virus immunization data
- Challenges and strategies
- Division priorities

The state of immunizations

Decline in Vaccination Coverage by Age 24 Months and Vaccination Inequities Among Children Born in 2020 and 2021 – National Immunization Survey–Child, United States, 2021–2023

Summary

What is already known about this topic?

The Advisory Committee on Immunization Practices currently recommends routine vaccination against 15 potentially serious illnesses for children by age 24 months.

What is added by this report?

Estimated coverage with most childhood vaccines was lower among children born during 2020–2021 (during or after the height of the health care disruption from the COVID-19 pandemic) compared with those born during 2018–2019. Disparities by race and ethnicity, health insurance status, poverty status, and urbanicity persist. Coverage also varied widely by jurisdiction, especially for influenza vaccine.

What are the implications for public health practice?

Financial barriers, access issues, vaccine hesitancy, and vaccine-related misinformation all need to be overcome to increase coverage, ensure full recovery from the impact of the COVID-19 pandemic, eliminate disparities, and protect all children from vaccine-preventable diseases.

Coverage with Selected Vaccines and Exemption Rates Among Children in Kindergarten – United States, 2023–24 School Year

Weekly / October 17, 2024 / 73(41);925–932



Summary

What is already known about this topic?

From the 2019–20 to the 2022–23 school year, national kindergarten coverage with state-required vaccinations declined from 95% to approximately 93%.

What is added by this report?

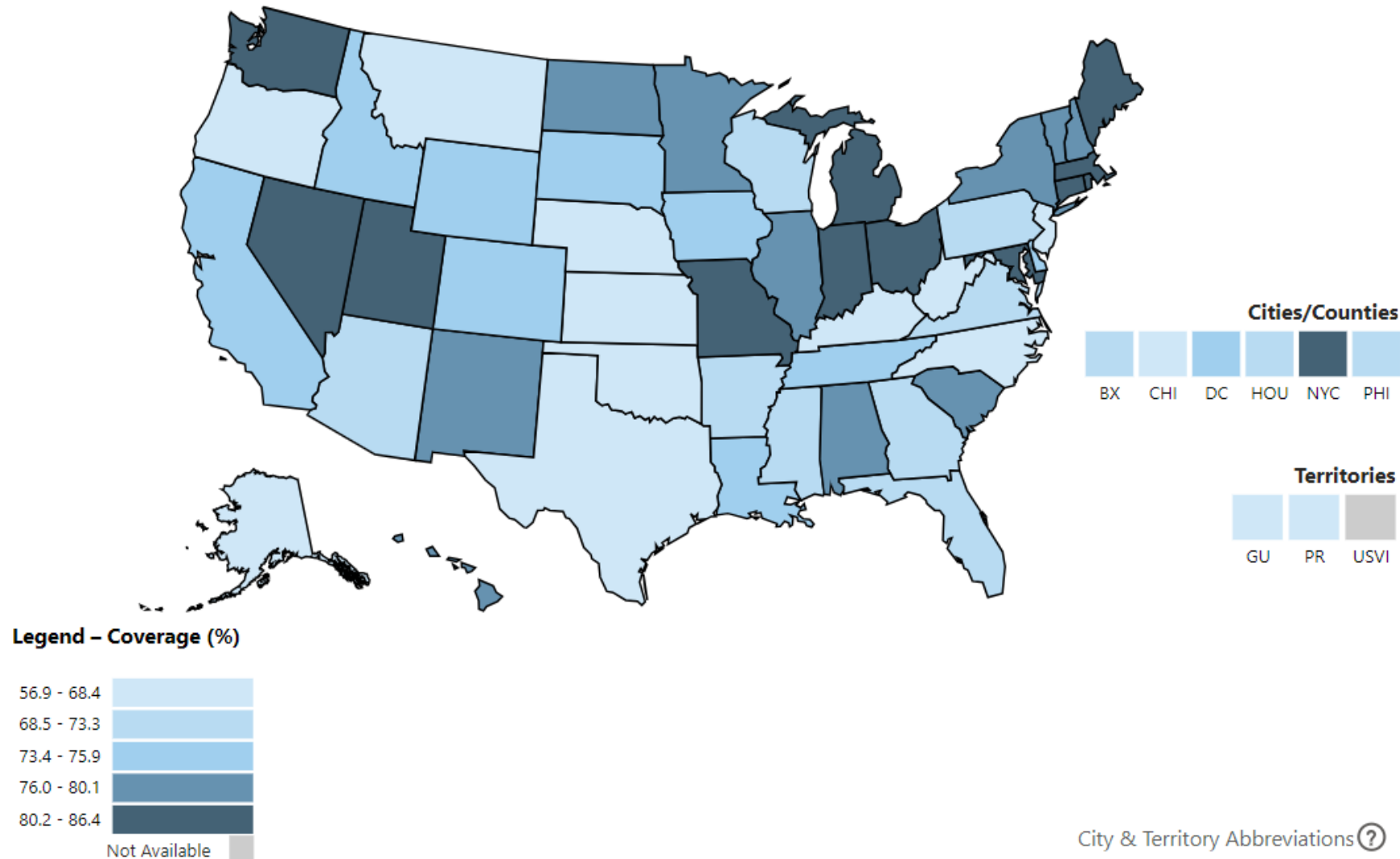
During the 2023–24 school year, coverage declined to <93% for all reported vaccines (range = 92.3% [diphtheria, tetanus, and acellular pertussis vaccine] to 92.7% [measles, mumps, and rubella vaccine]). The exemption rate increased to 3.3% from 3.0% the year before and increased in 41 jurisdictions, exceeding 5% in 14.

What are the implications for public health practice?

Decreasing vaccination coverage and increasing exemptions increase the risk for vaccine-preventable disease outbreaks. Efforts by health departments, schools, and providers are needed to ensure that students begin school fully vaccinated.

MI Childhood Immunizations

Combined 7 Series Vaccination Coverage by Age 35 Months among Children Born in 2020, National Immunization Survey-Child



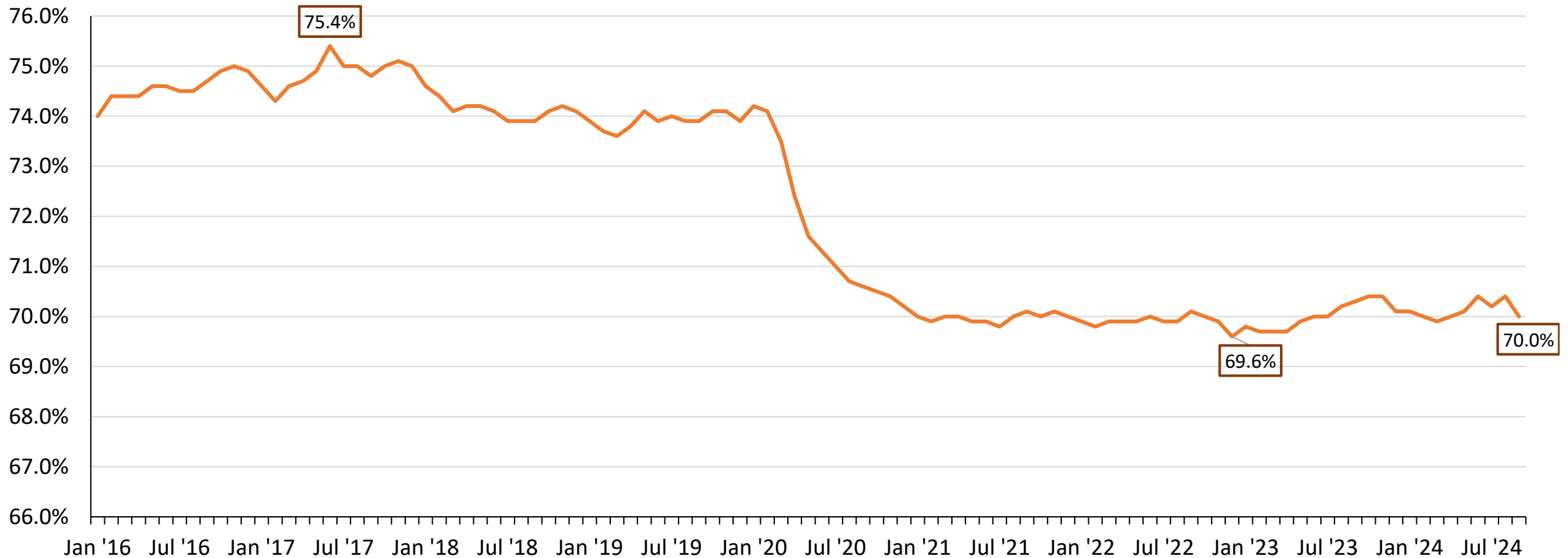
Statewide childhood vaccine series coverage



Michigan Childhood Vaccine Series Coverage

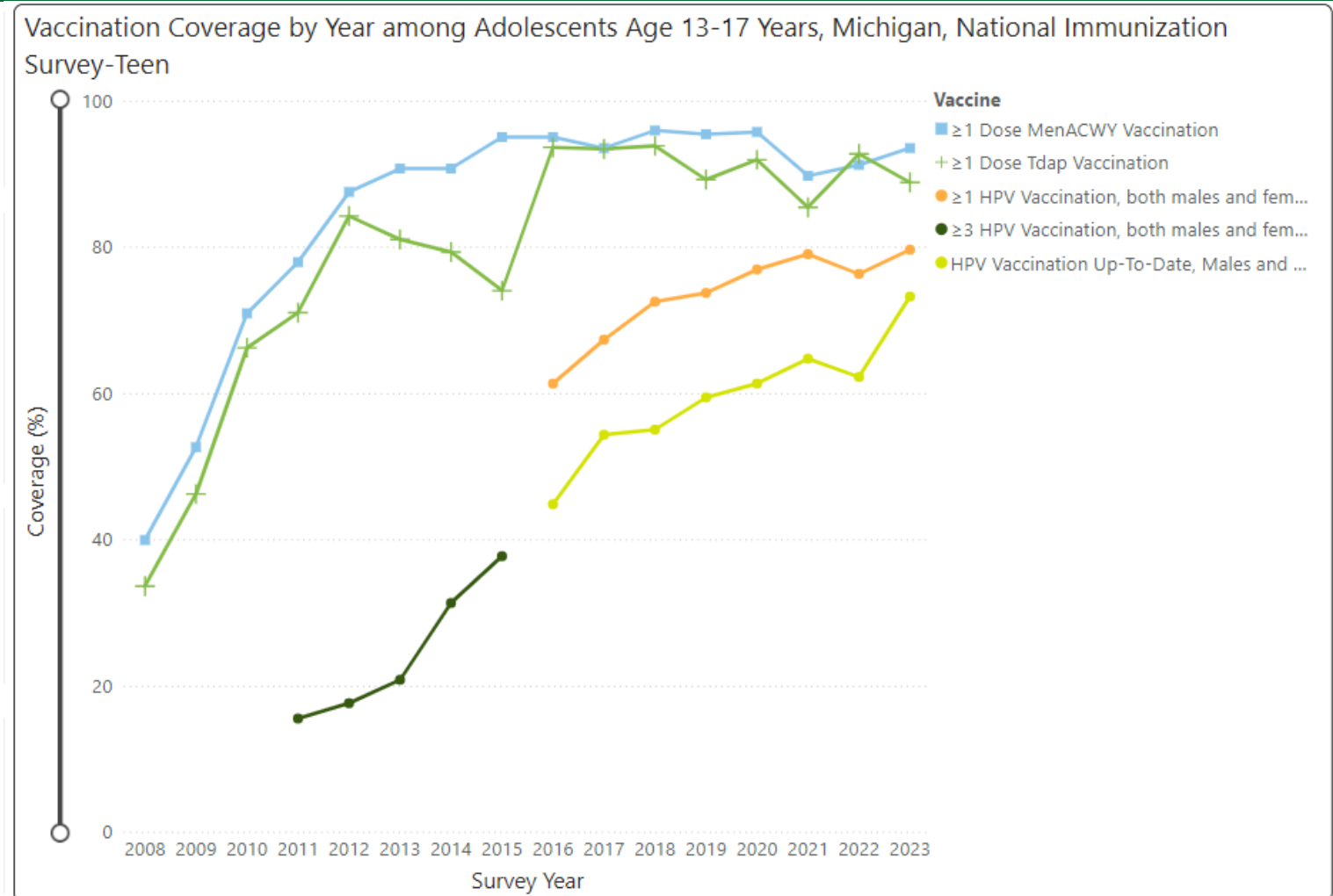
Children 19-35 months

4313314 Series: 4 DTaP, 3 Polio, 1 MMR, 3 Hib, 3 HepB, 1 Varicella, 4 PCV2

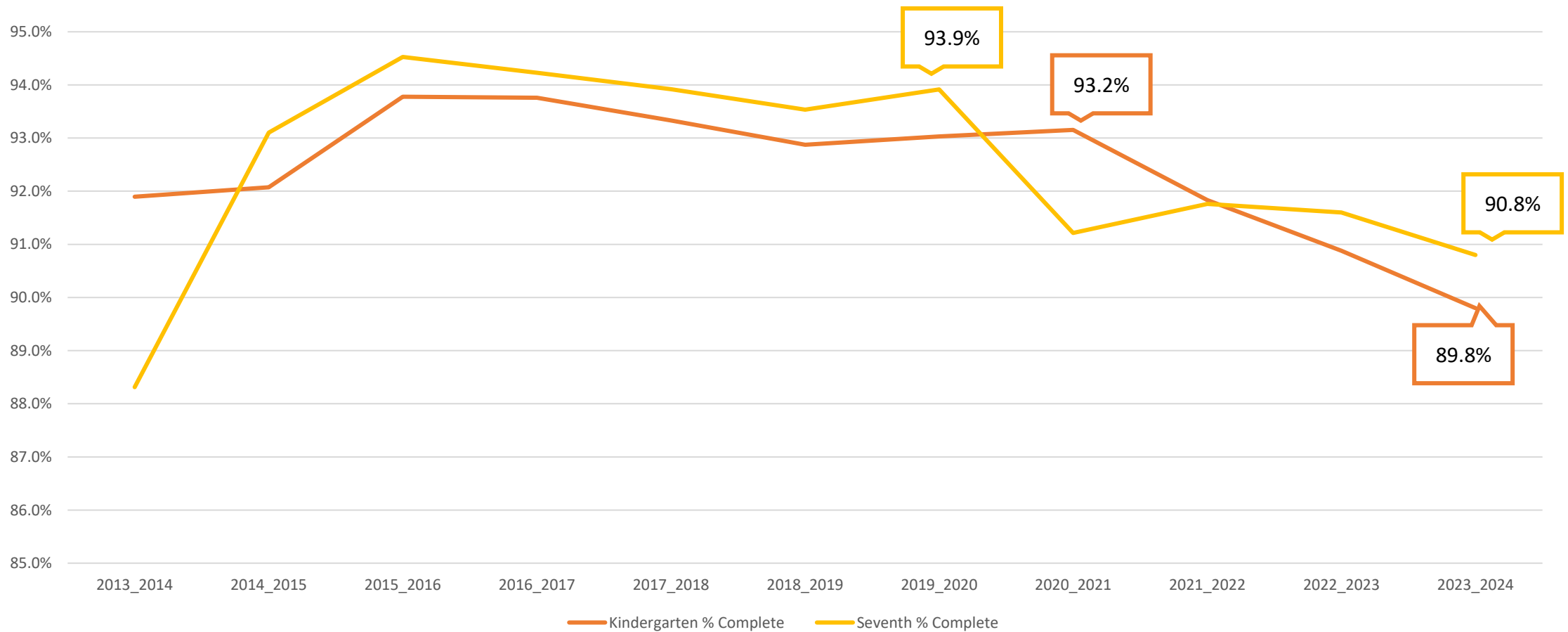


Adolescent coverage

- Coverage has increased steadily for HPV
- Tdap and MenACWY coverage have plateaued over the past 5 years



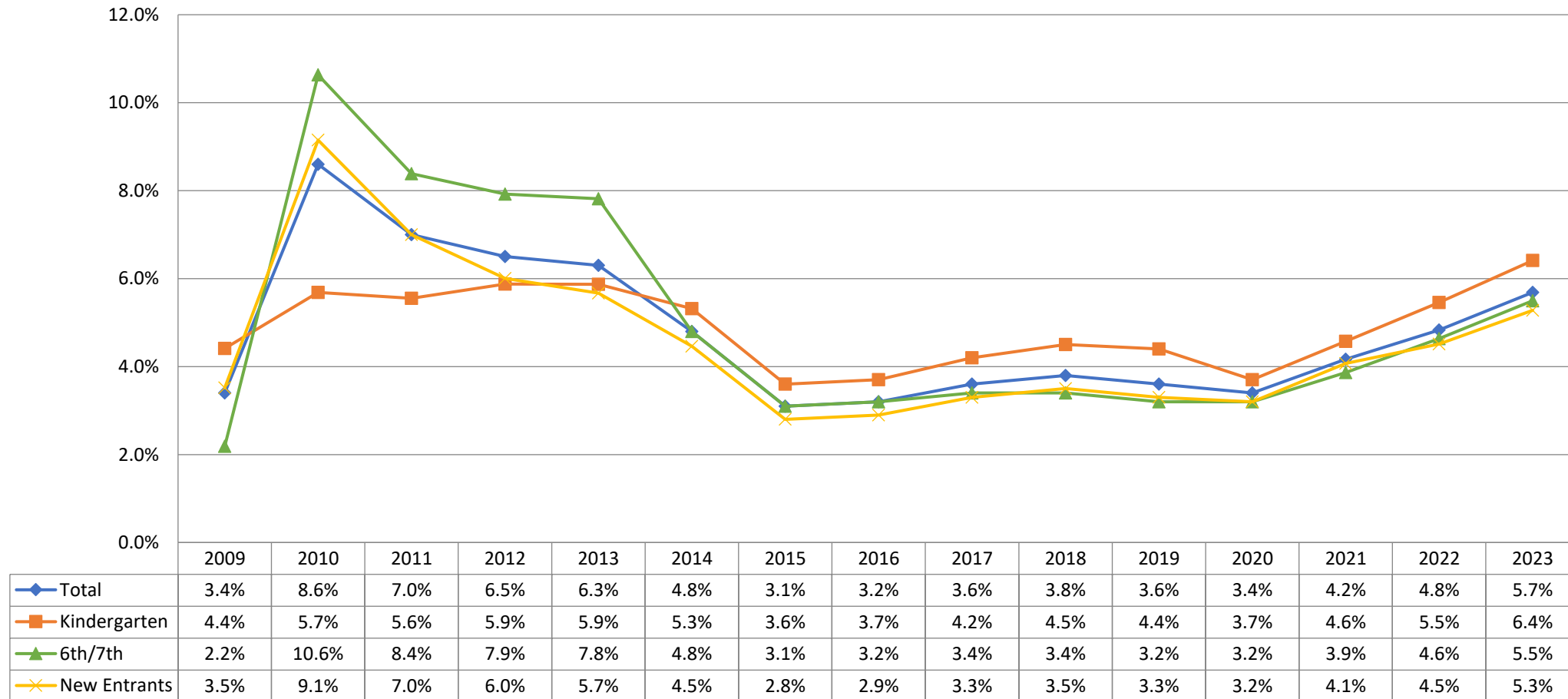
Kindergarten and 7th grade vaccine* coverage



Required vaccines include DTP/DTaP/Tdap, polio, MMR (or documented immunity), Hepatitis B (or documented immunity), Varicella (or documented immunity). PLUS Meningococcal for 7th graders

Waiver Data

Percentage of Children in Michigan Schools Waiving at Least One Vaccine, 2009 - 2023





Respiratory Virus Immunizations

Respiratory Virus Dashboard

As of **October 26** about **1.0%** of emergency department visits and **2.2** hospitalizations per 100,000 people in Michigan were associated with acute respiratory viruses (COVID-19, influenza, respiratory syncytial virus or RSV). Vaccination coverage for the current respiratory virus season is low.

Last Week: **0.9%**
ED Visits Associated With
COVID-19



Last Week: **0.1%**
ED Visits Associated With
Influenza



Last Week: **0.1%**
ED Visits Associated With
RSV



7.3%
of Michiganders have received
a 2024-25 **COVID-19** vaccine

14.9%
of Michiganders have received
a 2024-25 **influenza** vaccine

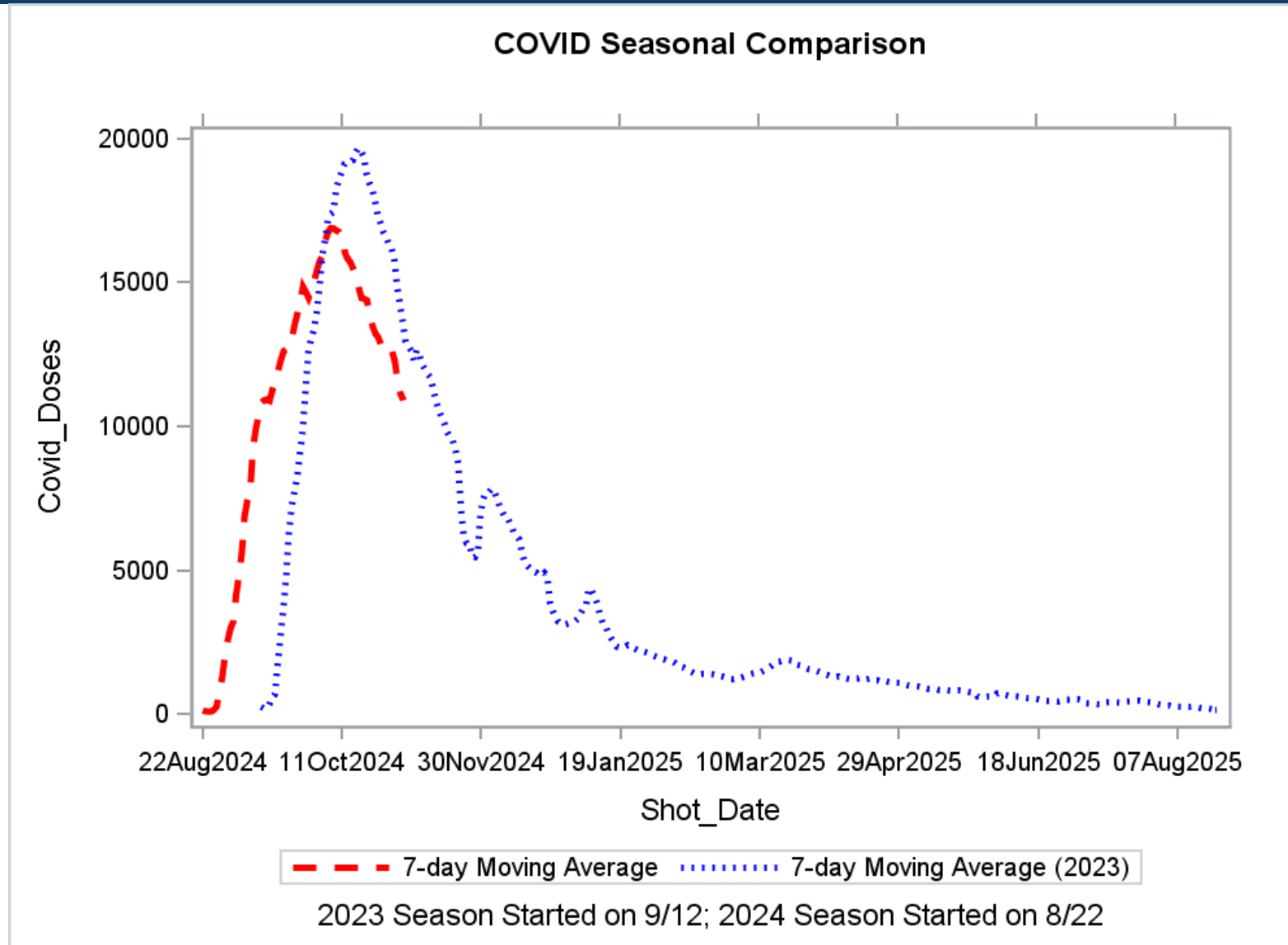
531,533
Michiganders have received
an **RSV** vaccine or antibody

Last Week:
2.0
Hospitalizations per 100,000 People in
Michigan Associated With
COVID-19

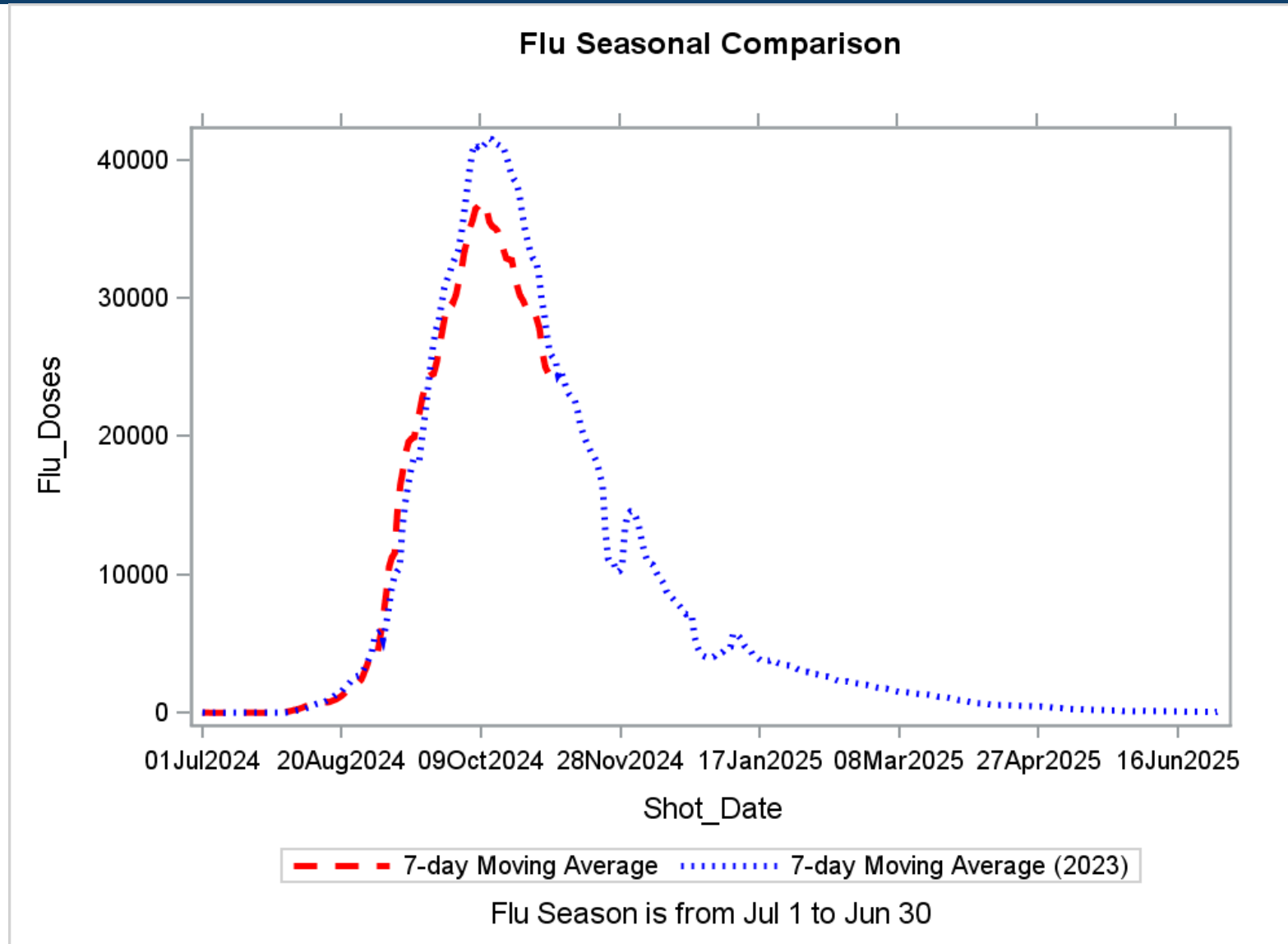
Last Week:
0.2
Hospitalizations per 100,000 People in
Michigan Associated With
Influenza

Last Week:
0.1
Hospitalizations per 100,000 People in
Michigan Associated With
RSV

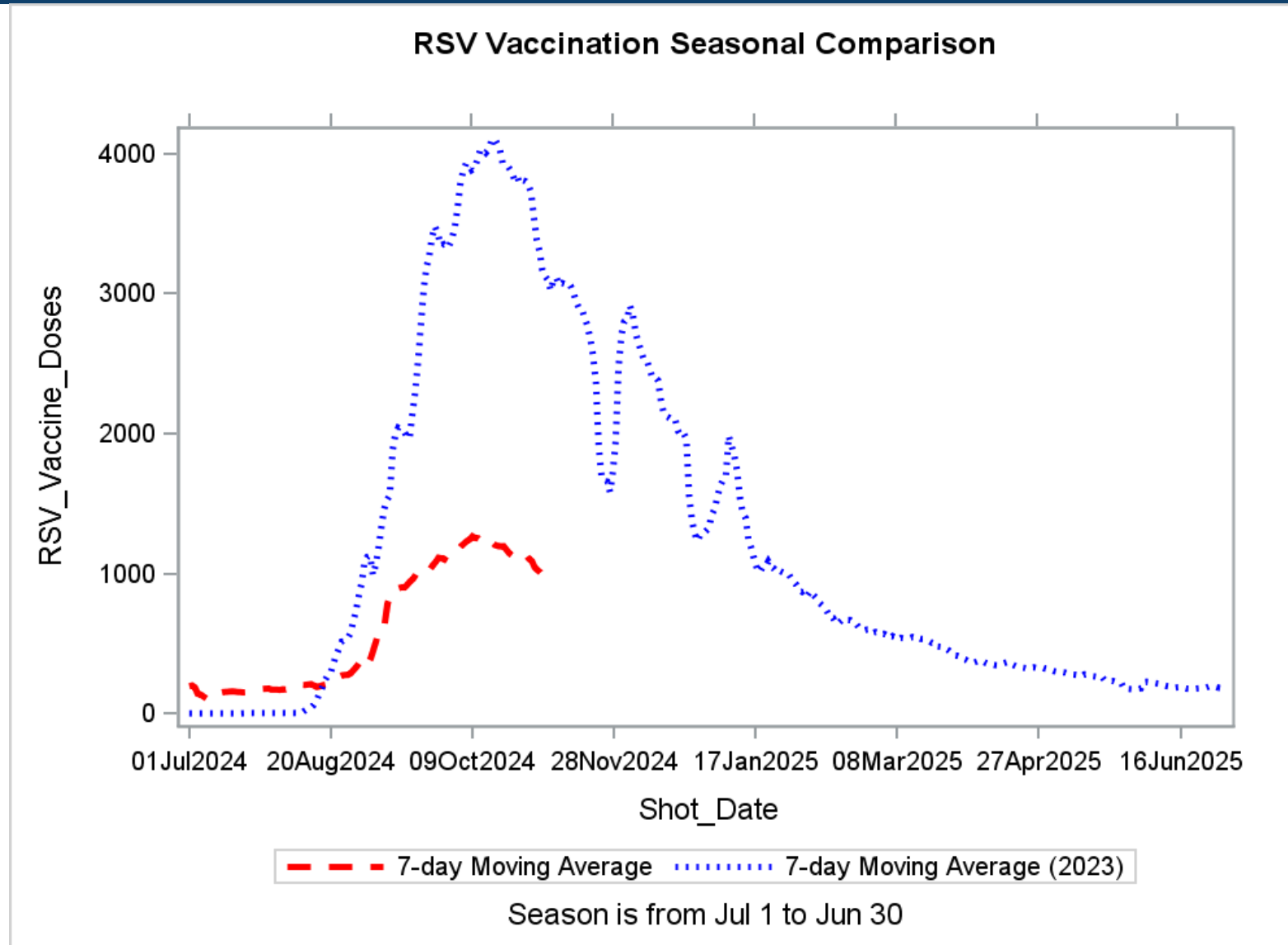
COVID-19 Administrations



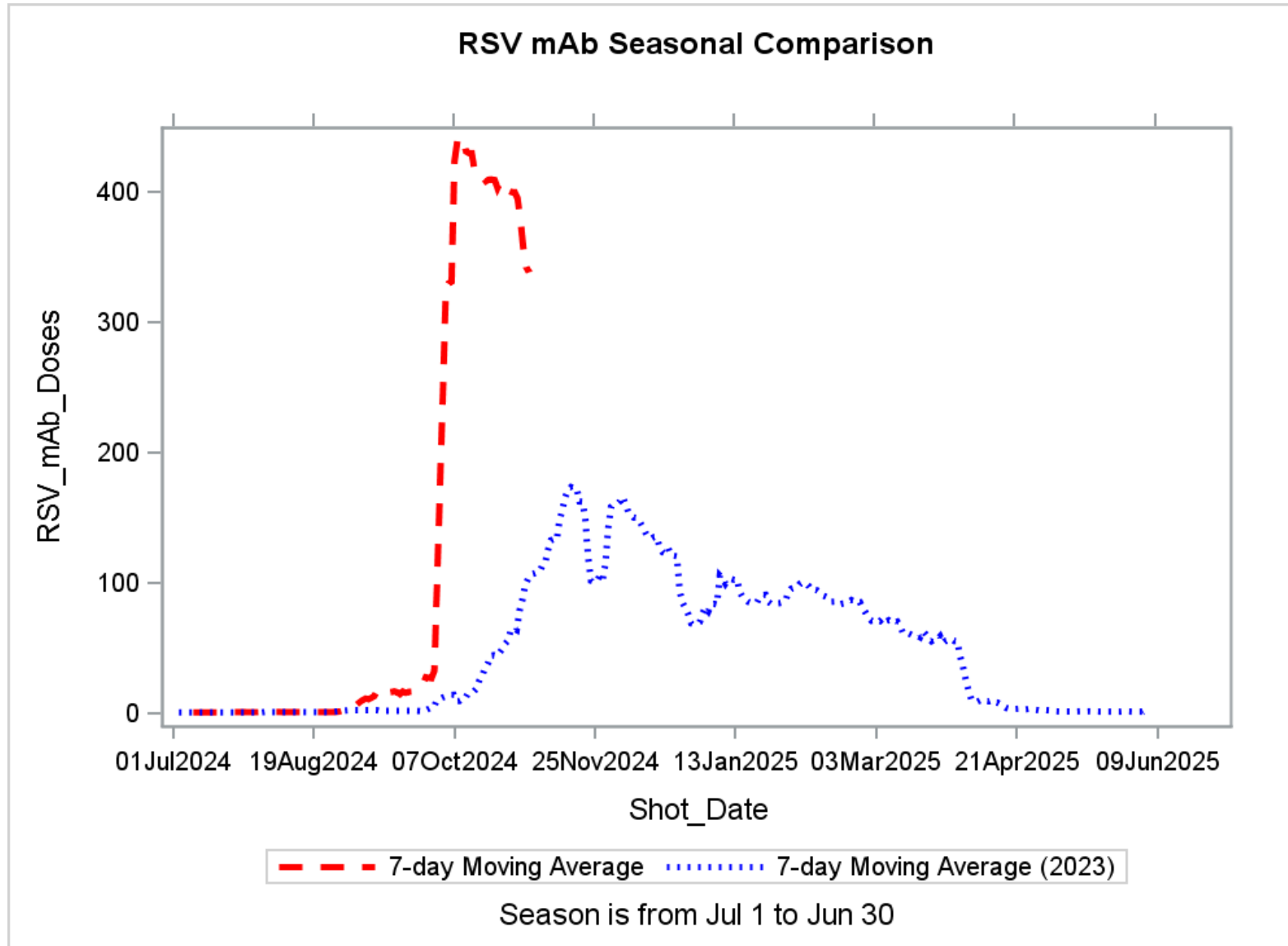
Flu Administrations



RSV Vaccine (older adults and pregnant persons)



Nirsevimab



Challenges and Strategies

Challenges and strategies

Challenges

- Mis- and disinformation
- Lower trust in institutions
- Funding sustainability and uncertainty
- Inequitable access
- Data quality

Strategies

- Building trust
- Clear, timely, and equity-centered communications
- Data modernization
- Data-driven decision making

Division Priorities



Access

- VFC/MI-AVP
- Alternative providers



Communication

- Provider
- Public
- Internal



Relationships

- Trust, transparency, expanding networks
- LHDs, Legislators, CBOs, Manufacturers, New partners

- Enrolling Universal Hepatitis B birthing facilities as VFC Specialty Providers
 - 32/60 (53%) providers enrolled to date
- Expanding MI-AVP
 - Adult Free Clinics
- Alternative providers
 - Pharmacies
 - Working to identify chain pharmacies
 - Dental pilot project
 - Provide vaccine education to every patient and offer HPV, flu and COVID
 - Center for Family Health Jackson – 52 doses administered
 - Great Lakes Bay also interested

Communication

- Website Refresh
- Planning for recurring communications
 - Bureau level working group for respiratory virus season.
 - Reviewing press release, HAN, and other communications prior to occurrence.
- Bureau and PHA Level staff
- Vaccine confidence
 - Identify trusted partners
 - Provider and public communications

Relationships

- Alliance for Immunizations in Michigan (AIM)
 - Focus on reliable sources of information for parents and providers
- Michigan Advisory Committee on Immunizations (MACI)
 - Advises MDHHS on policy, budget, initiatives
 - Made up of partners from a variety of organizations
 - Re-imagining after COVID
- Vaccine champions meeting
 - Best and promising practices
 - Mini-grant program
- Local Health Departments, VFC providers, Professional Orgs

Thank you



Immunizations protect America's children every day

CDC estimates that vaccination of children born between 1994 and 2023 will:

- Prevent more than 500 million illnesses
- Avoid more than 1 million deaths
- Save nearly \$3 trillion



bit.ly/mm7331a2

AUGUST 8, 2024

