

# MEASLES UPDATES

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NJHCC STATEWIDE MEETING 3/19/25

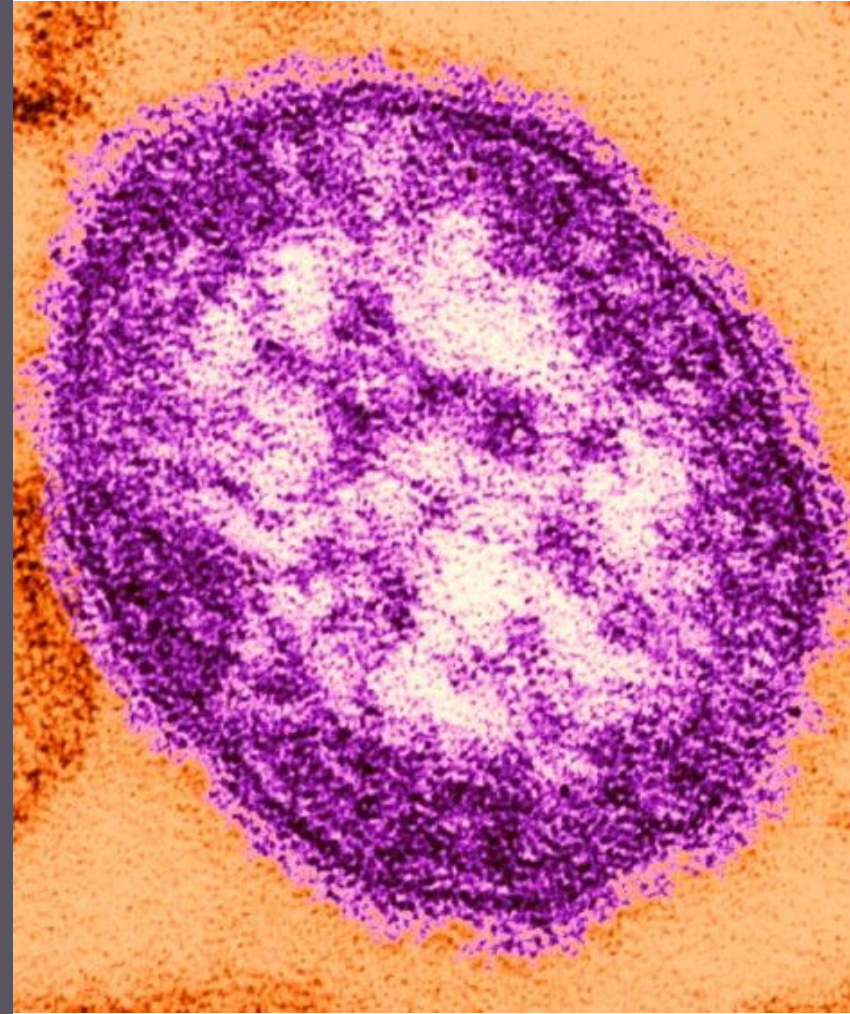
# Measles

Background

2024-2025 Data

Transmission/PPE

Prevention





# Background

- First described in 9th century by Persian physician Rhazes
- Global epidemic in 16th century as European explorers spread to new regions
- 1757 – Scottish physician Francis Home demonstrated transmission by infectious agent
- 1912 – reportable disease in US, ~6000 deaths/year
- Vaccine available in 1963





# Presentation

## Prodromal phase (days 1-4)

- Fever, cough, runny nose, conjunctivitis, Koplik spots

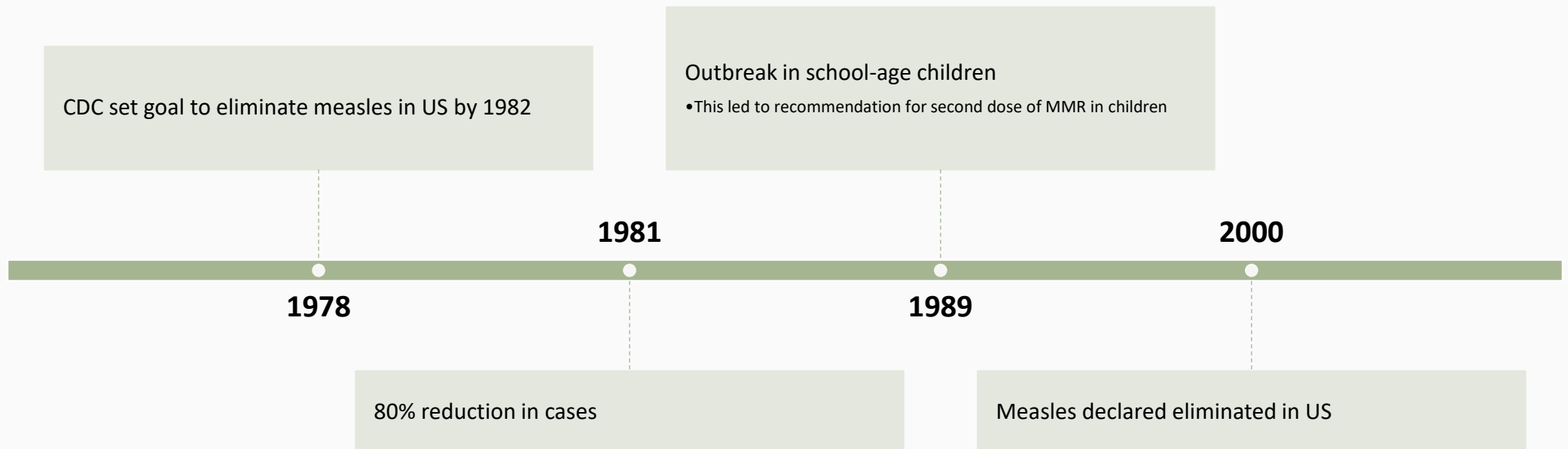
## Rash phase (days 4-7)

- Red, blotchy rash starts on face and spreads to rest of body
- Lasts 3-4 days

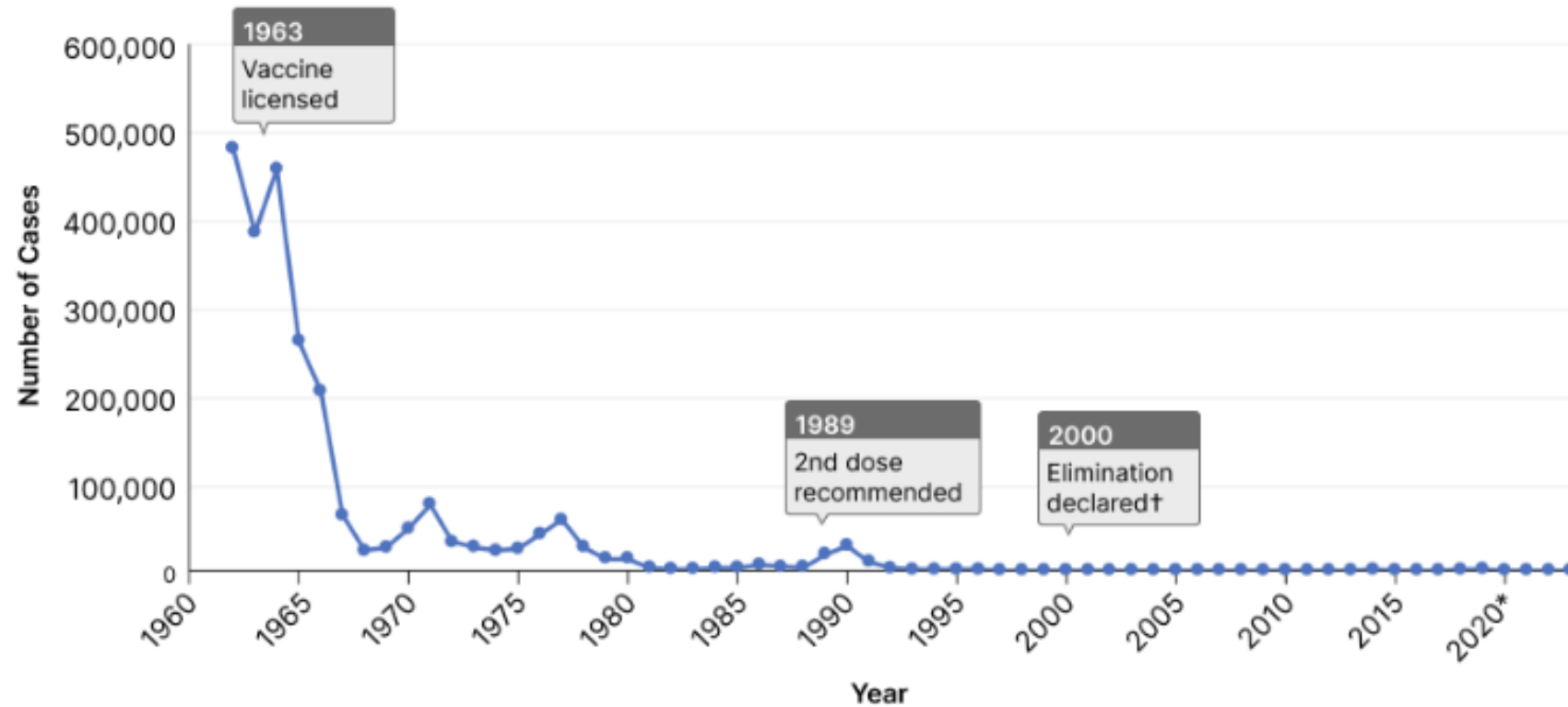
## Complications

- Pneumonia
- Encephalitis
- Subacute, sclerosing panencephalitis

# Measles elimination

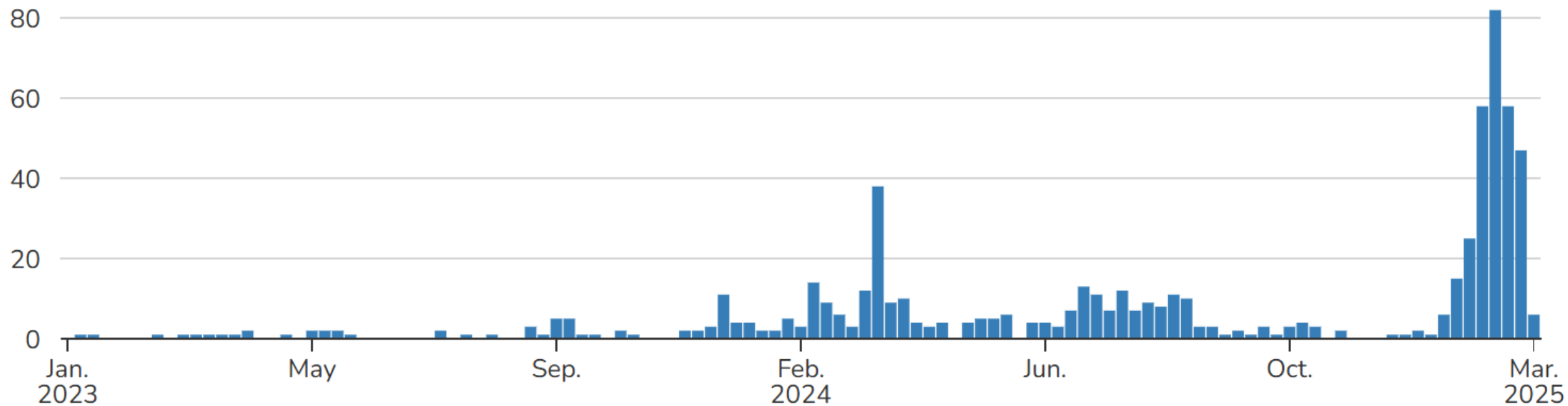


## Reported Measles Cases in the United States from 1962 – 2023\*



2023–2025\* (as of March 13, 2025)

100 measles cases



# U.S. Cases in 2025

Total cases

**301**

## Age

Under 5 years: **103 (34%)**

5-19 years: **126 (42%)**

20+ years: **63 (21%)**

Age unknown: **9 (3%)**

## Vaccination Status

Unvaccinated or Unknown: **95%**

One MMR dose: **3%**

Two MMR doses: **2%**



## U.S. Hospitalizations in 2025

**17%**

17% of cases hospitalized (50 of 301).

### Percent of Age Group Hospitalized

Under 5 years: **27% (28 of 103)**



5-19 years: **10% (13 of 126)**

20+ years: **13% (8 of 63)**

Age unknown: **11% (1 of 9)**

## U.S. Deaths in 2025

**2**

There has been [1 confirmed death](#)  from measles, and [1 death under investigation](#). 



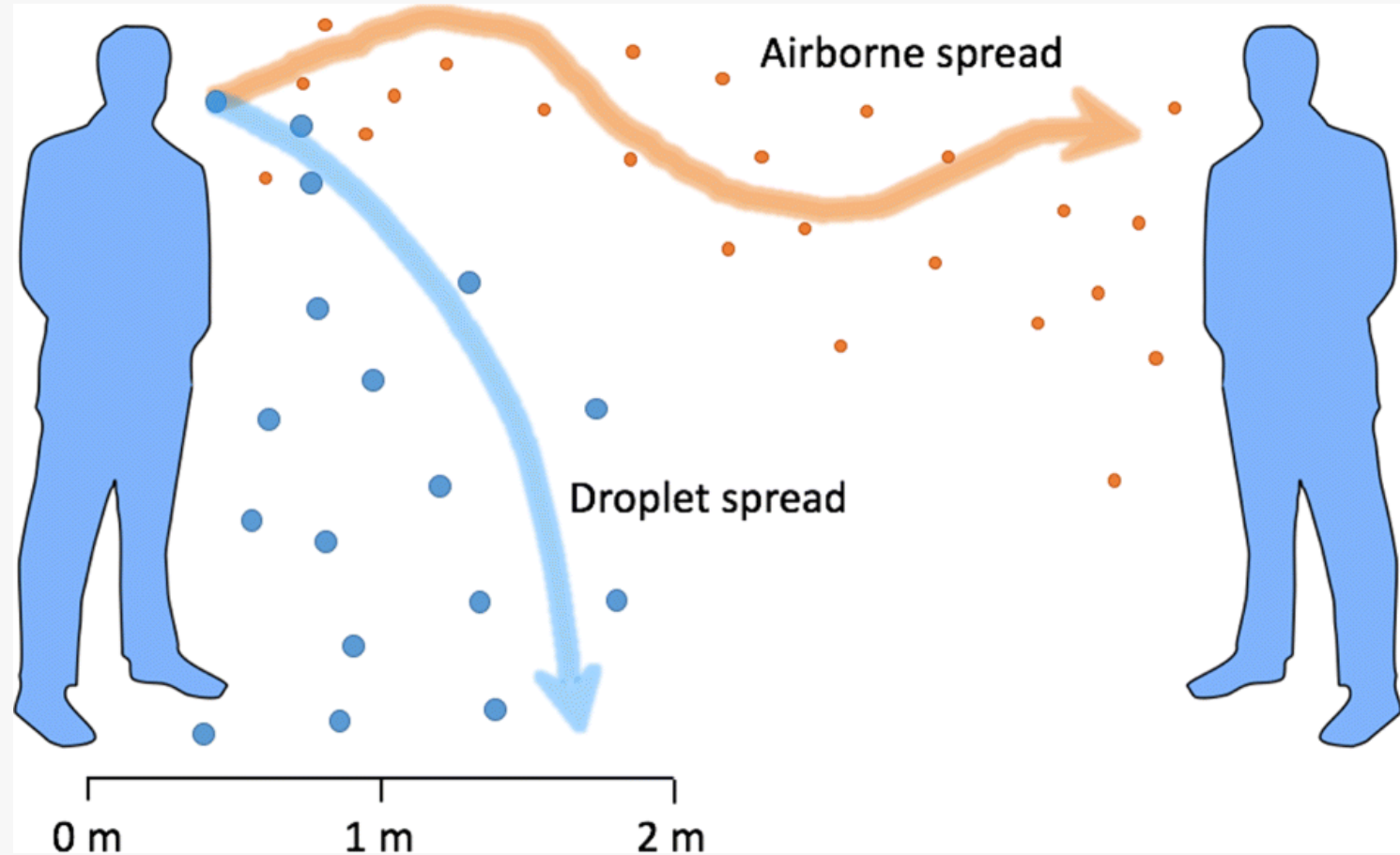
# Transmission

Measles is an airborne disease

Infected person coughs, sneezes or talks

Virus can remain airborne for 2 hours

90% of people who are exposed (and not immunized) will be infected



# Airborne Precautions

- N95 Respirator
- Gloves
- Gown
- Goggles or face shield



**Prevention?**





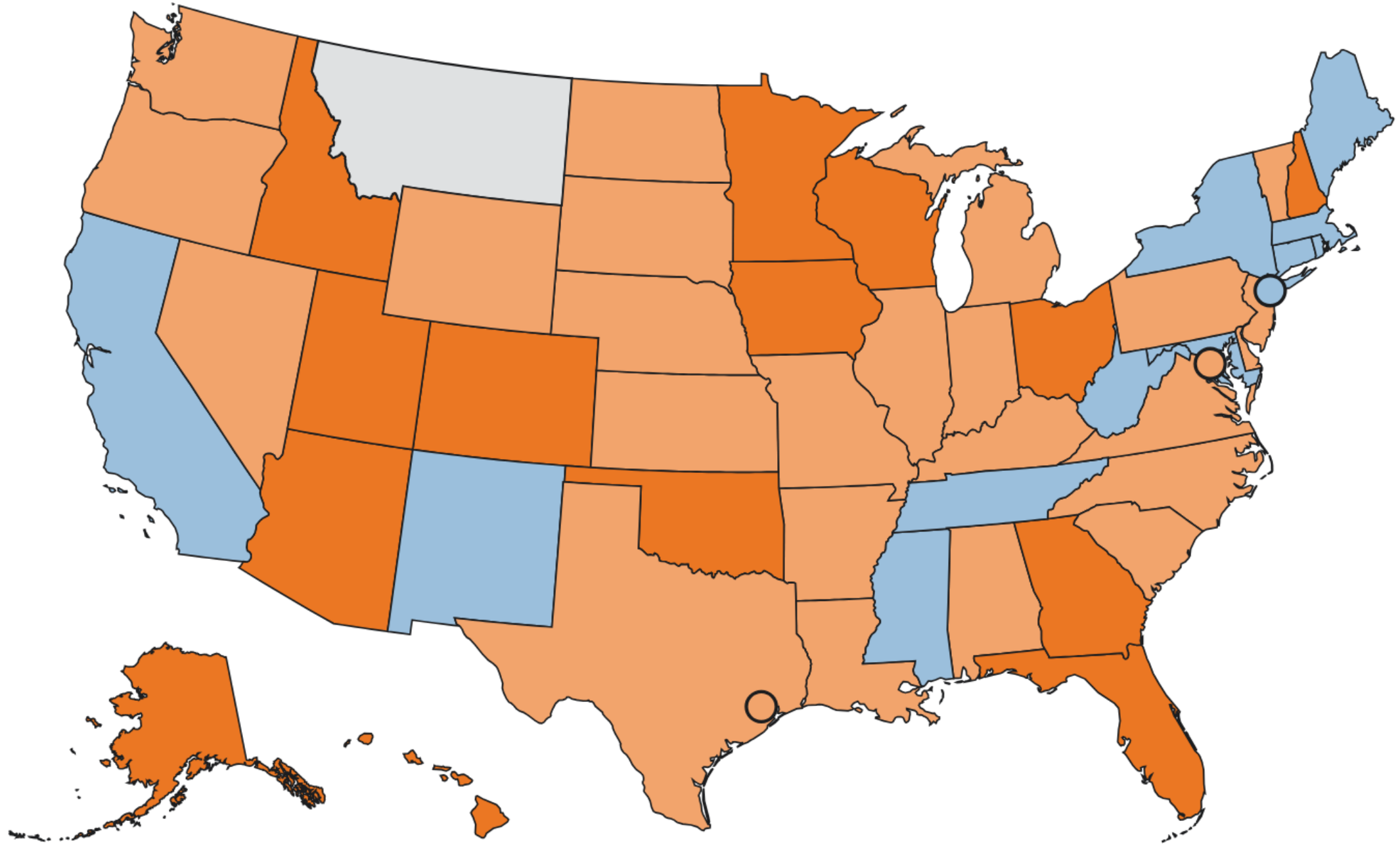


Less than 90%

90-94.9%

95%+

Not available





**Thank you!**