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New York State Immunization Information System (NYSIIS) Data: Vaccination Rates & NYSIIS Dashboards

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October 30, 2026, New York State Immunization Meeting, Saratoga NY

OUTLINE

- Select vaccination rates
  - National vs New York State (NYS)
  - Counties within NYS excluding New York City (NYC)
- Tableau dashboard
  - Local Health Department (LHD) dashboard
  - Public dashboard planned
  - Public access portal for child immunizations



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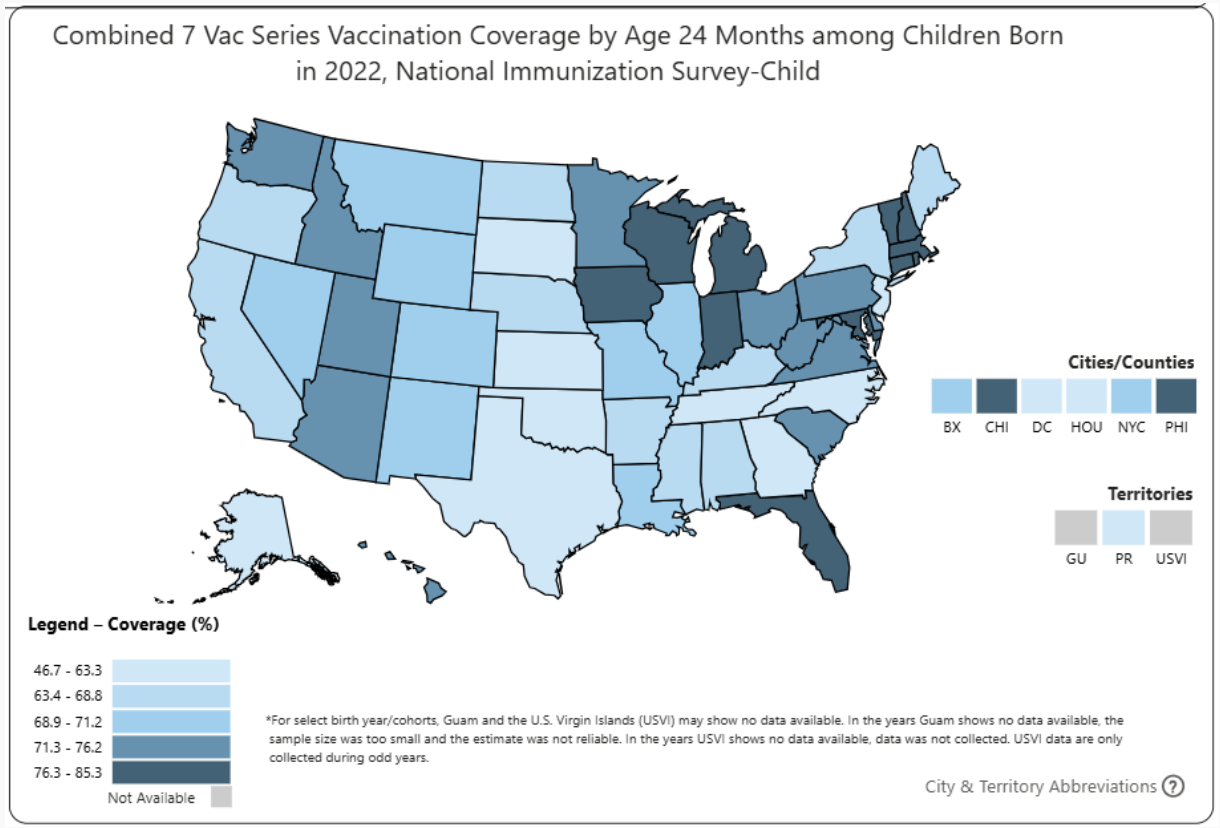
Select Vaccination Rates: National vs New York State (NYS)

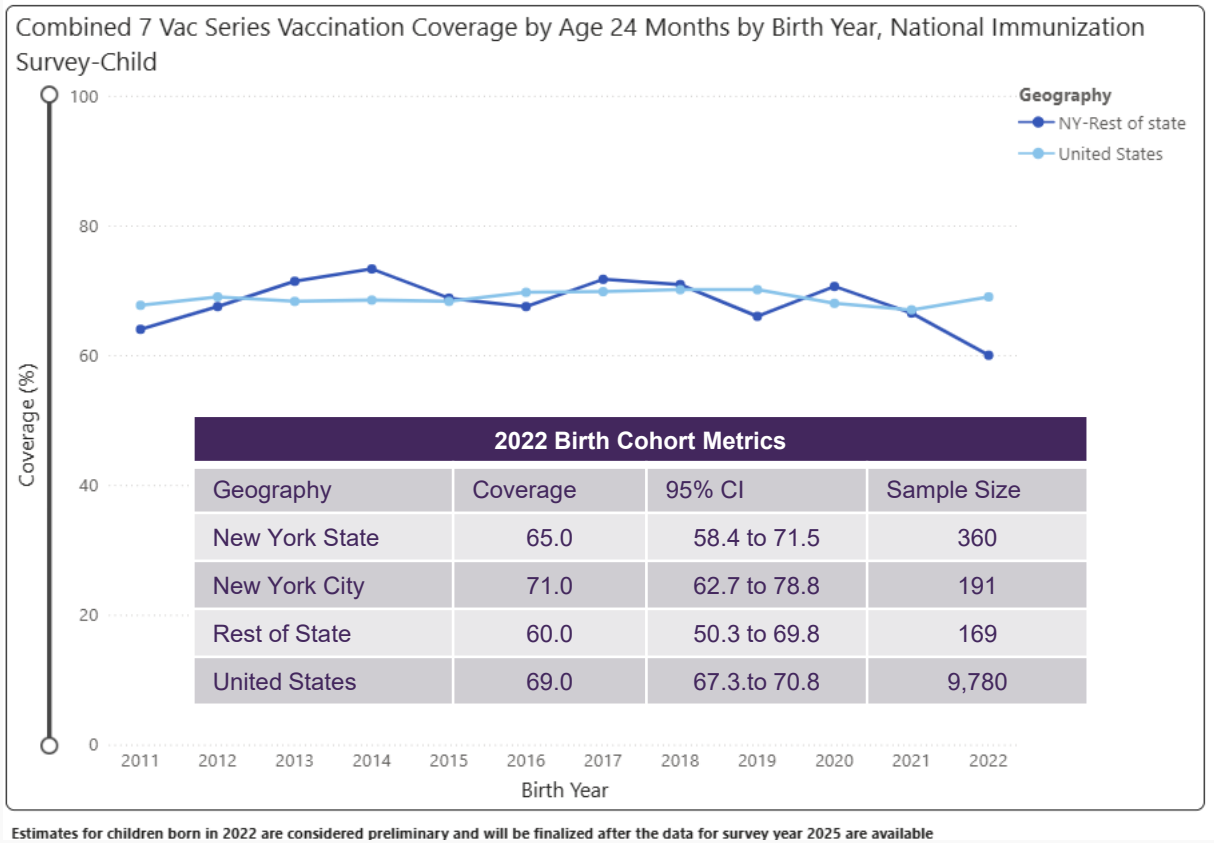
- Comparisons
  - National Immunization Survey (NIS) – national & other states vs NYS (excluding NYC), birth years 2011-2022
  - NYS county-to-county comparison with NYSIIS (September 2026)
- Vaccinations to be Compared
  - Primary childhood 7 vaccine series at 24 months
  - Measles Mumps and Rubella (MMR) at 24 months
  - Varicella at 24 months
  - Human papillomavirus (HPV) vaccination
    - NIS for 13-17-year-olds
    - NYS by 13th birthday



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COMBINED 7 SERIES VACCINATION COVERAGE BY 24 MONTHS





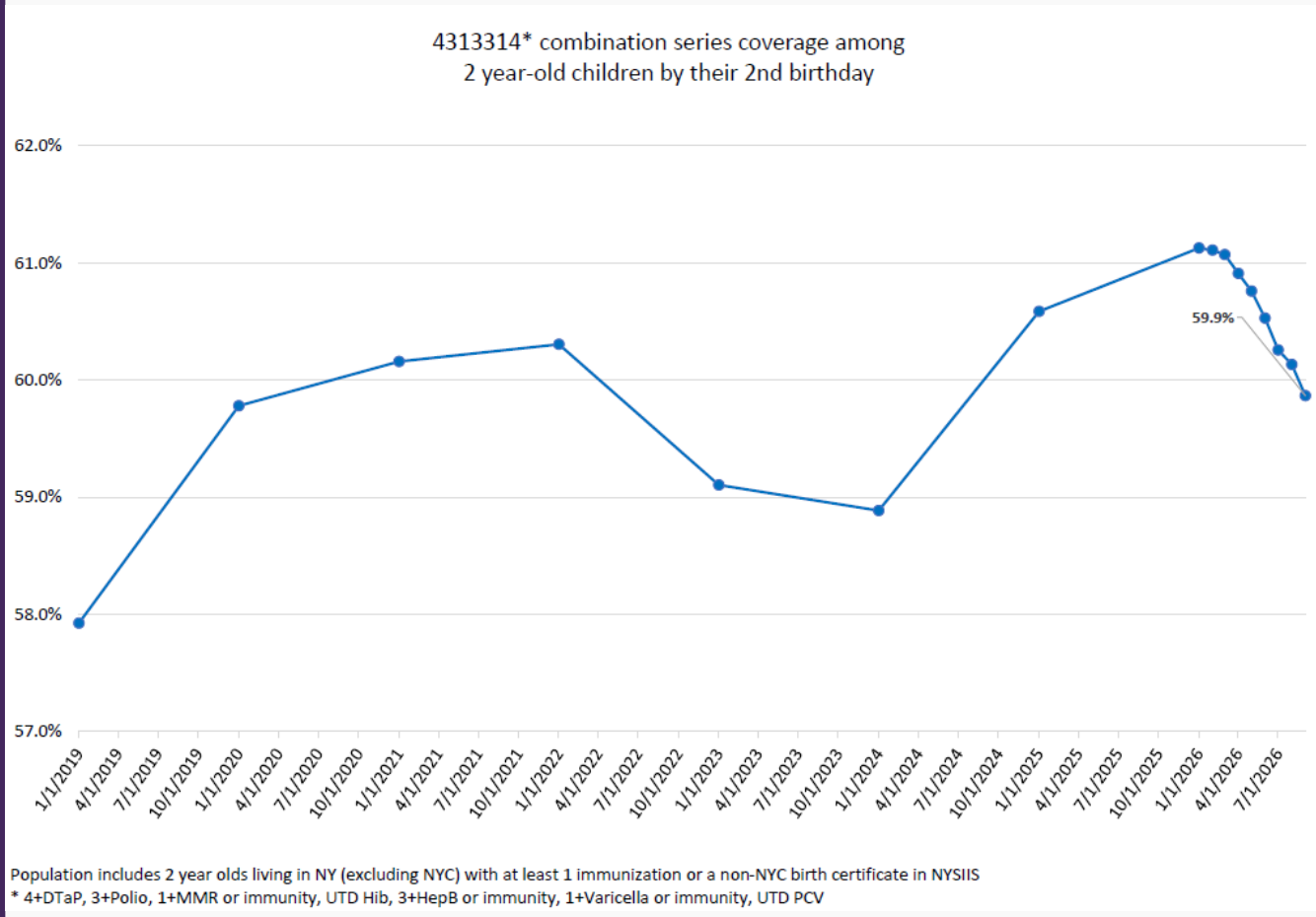
2022 Birth Cohort Metrics			
Geography	Coverage	95% CI	Sample Size
New York State	65.0	58.4 to 71.5	360
New York City	71.0	62.7 to 78.8	191
Rest of State	60.0	50.3 to 69.8	169
United States	69.0	67.3.to 70.8	9,780

Estimates for children born in 2022 are considered preliminary and will be finalized after the data for survey year 2025 are available

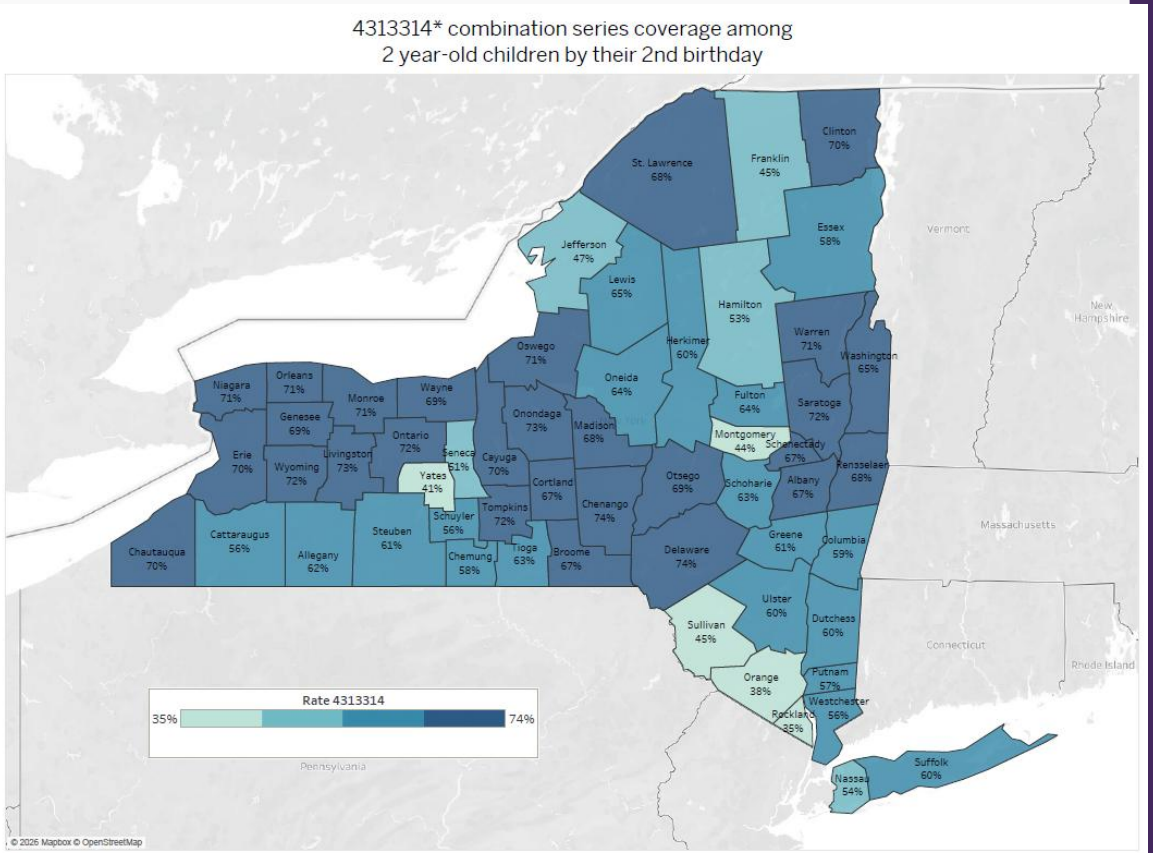
- National Immunization Survey (NIS)
- Sample survey (e.g. 169 in 2022 birth cohort for NYS-Rest-of-State)
- Numbers small but adequate for national comparisons, caution at the state level
- Provides an estimate of statewide rate

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NEW YORK STATE (EXCLUDING NEW YORK CITY)
COMBINED 7 SERIES VACCINATION COVERAGE BY 24 MONTHS



Population includes 2 year olds living in NY (excluding NYC) with at least 1 immunization or a non-NYC birth certificate in NYSIIS
* 4+DTaP, 3+Polio, 1+MMR or immunity, UTD Hib, 3+HepB or immunity, 1+Varicella or immunity, UTD PCV



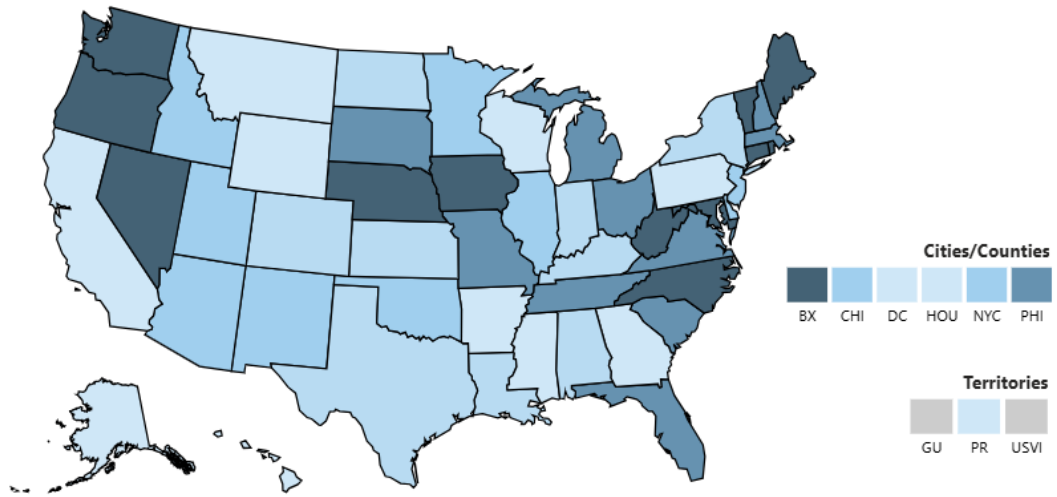
Population includes 2 year olds living in NY (excluding NYC) with at least 1 immunization or a non-NYC birth certificate in NYSIIS
* 4+DTaP, 3+Polio, 1+MMR or immunity, UTD Hib, 3+HepB or immunity, 1+Varicella or immunity, UTD PCV .

- Highest 74%
- Lowest 35%

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MMR SERIES VACCINATION COVERAGE BY 24 MONTHS

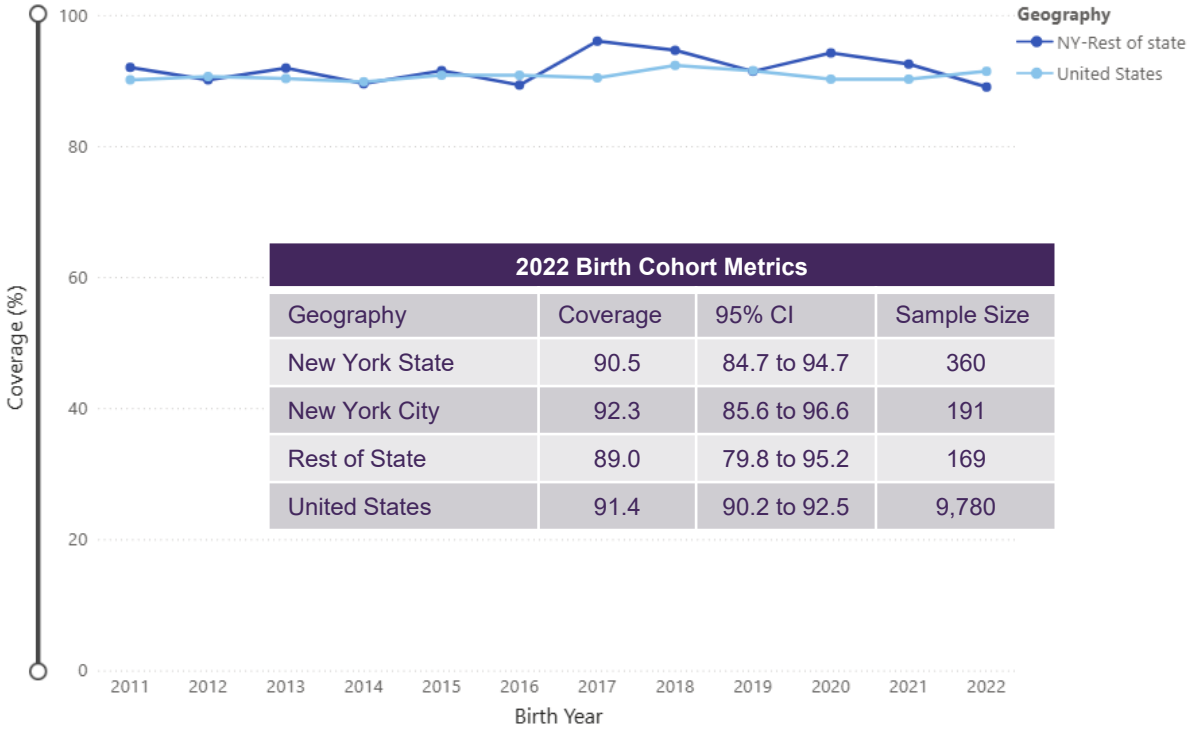
≥1 Dose MMR Vaccination Coverage by Age 24 Months among Children Born in 2022, National Immunization Survey-Child



*For select birth year/cohorts, Guam and the U.S. Virgin Islands (USVI) may show no data available. In the years Guam shows no data available, the sample size was too small and the estimate was not reliable. In the years USVI shows no data available, data was not collected. USVI data are only collected during odd years.

City & Territory Abbreviations

≥1 Dose MMR Vaccination Coverage by Age 24 Months by Birth Year, National Immunization Survey-Child



2022 Birth Cohort Metrics

Geography	Coverage	95% CI	Sample Size
New York State	90.5	84.7 to 94.7	360
New York City	92.3	85.6 to 96.6	191
Rest of State	89.0	79.8 to 95.2	169
United States	91.4	90.2 to 92.5	9,780

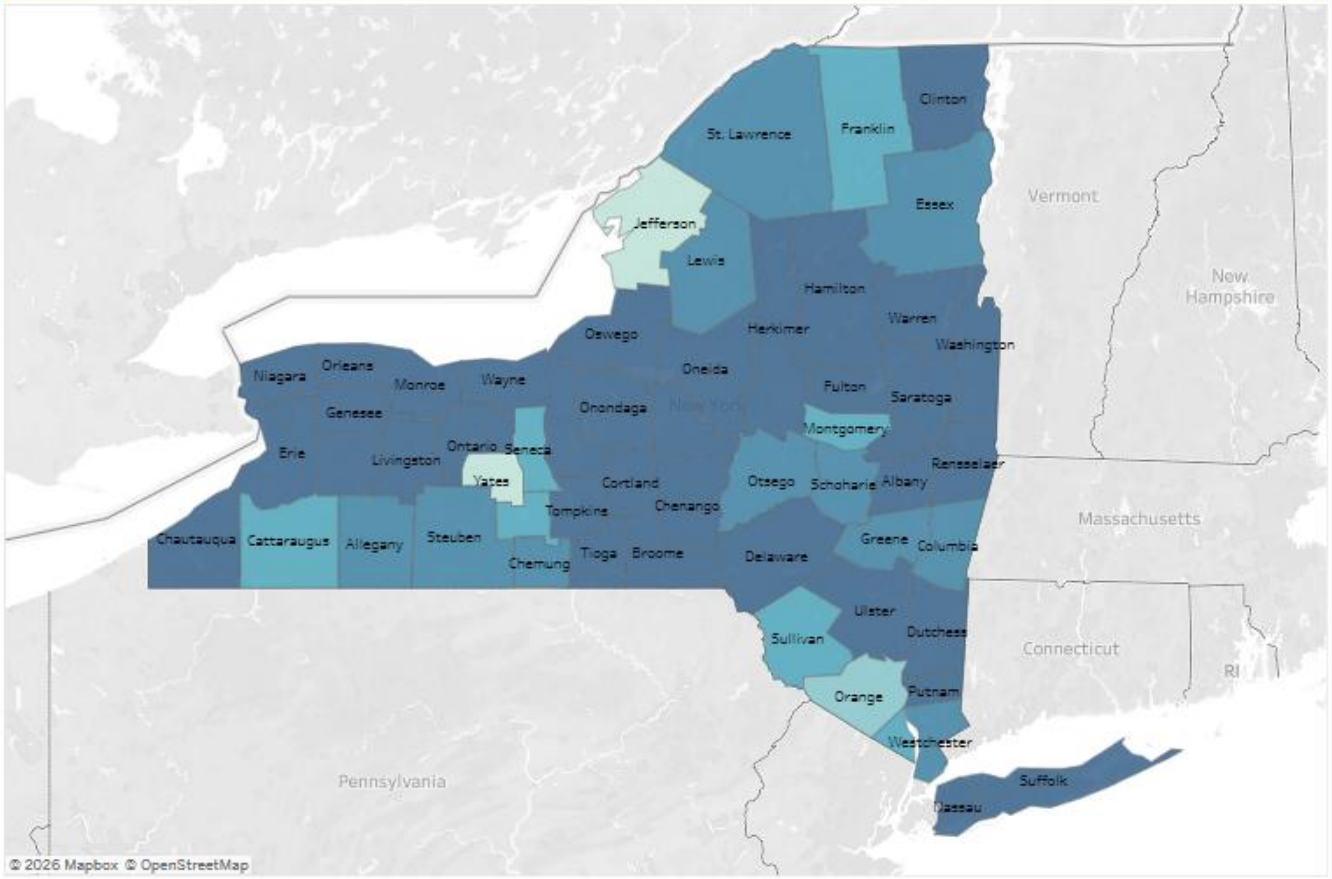
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NEW YORK STATE (EXCLUDING NEW YORK CITY)
MMR VACCINATION COVERAGE BY 24 MONTHS

- Rest of State 80%
- Highest 86.2%
- Lowest 53.6%

Capital	Central New York	Metropolitan Area	Western New York
82.6% (11,559/13,988)	80.2% (13,713/17,104)	76.8% (47,799/62,211)	83.0% (22,985/27,701)

MMR



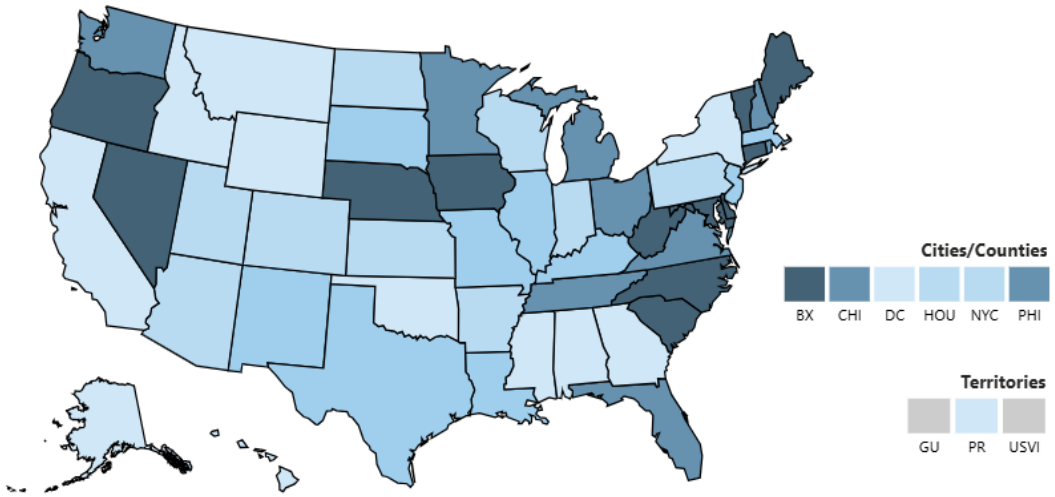
County Rate

53.5% 86.2%

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VARICELLA SERIES VACCINATION COVERAGE BY 24 MONTHS

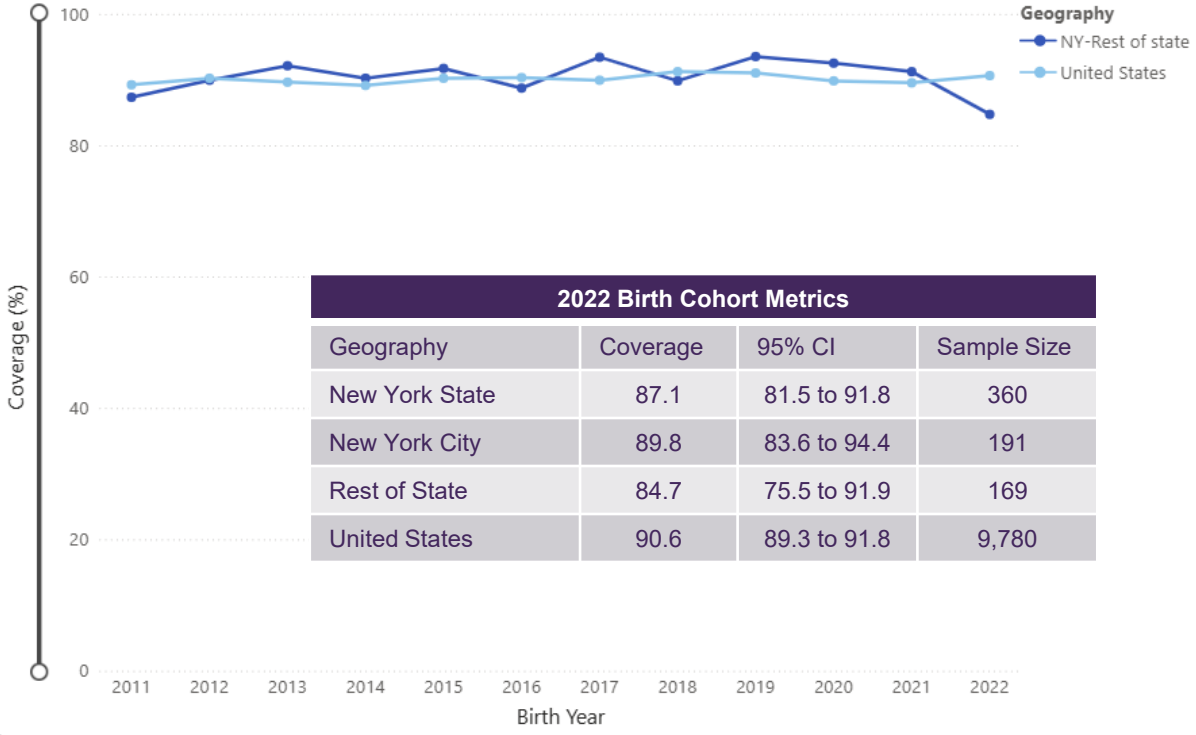
≥1 Dose Varicella Vaccination Coverage by Age 24 Months among Children Born in 2022, National Immunization Survey-Child



*For select birth year/cohorts, Guam and the U.S. Virgin Islands (USVI) may show no data available. In the years Guam shows no data available, the sample size was too small and the estimate was not reliable. In the years USVI shows no data available, data was not collected. USVI data are only collected during odd years.

City & Territory Abbreviations

≥1 Dose Varicella Vaccination Coverage by Age 24 Months by Birth Year, National Immunization Survey-Child



2022 Birth Cohort Metrics

Geography	Coverage	95% CI	Sample Size
New York State	87.1	81.5 to 91.8	360
New York City	89.8	83.6 to 94.4	191
Rest of State	84.7	75.5 to 91.9	169
United States	90.6	89.3 to 91.8	9,780

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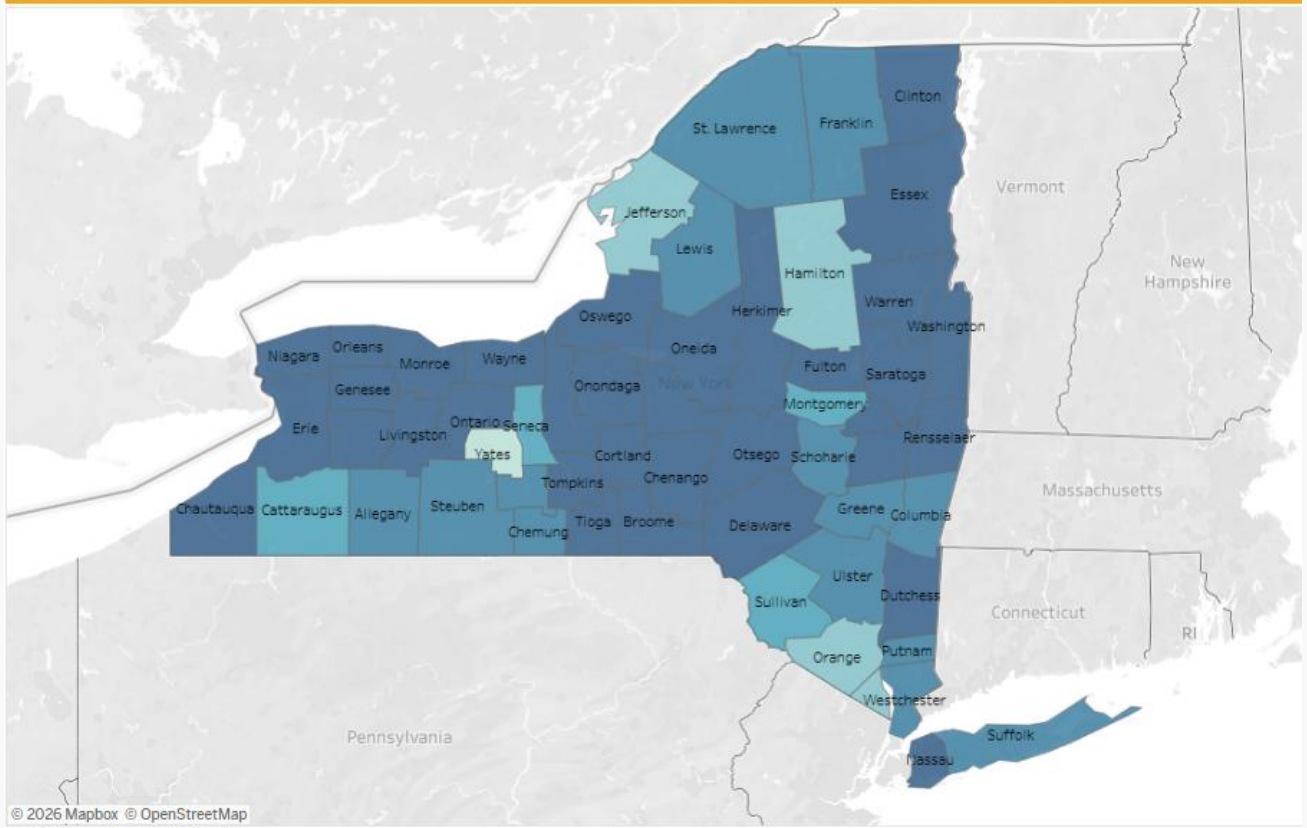
NEW YORK STATE (EXCLUDING NEW YORK CITY) VARICELLA VACCINATION COVERAGE BY 24 MONTHS

- Substantial variation by county
- Rest of State 77.3%
- Highest 85.3%
- Lowest 47.5%

NYS Rate (Excluding NYC and Missing Counties):77.3% (93,657/121,167)

Capital	Central New York	Metropolitan Area	Western New York
81.0% (11,339/13,995)	79.3% (13,544/17,072)	74.0% (46,210/62,433)	81.6% (22,564/27,667)

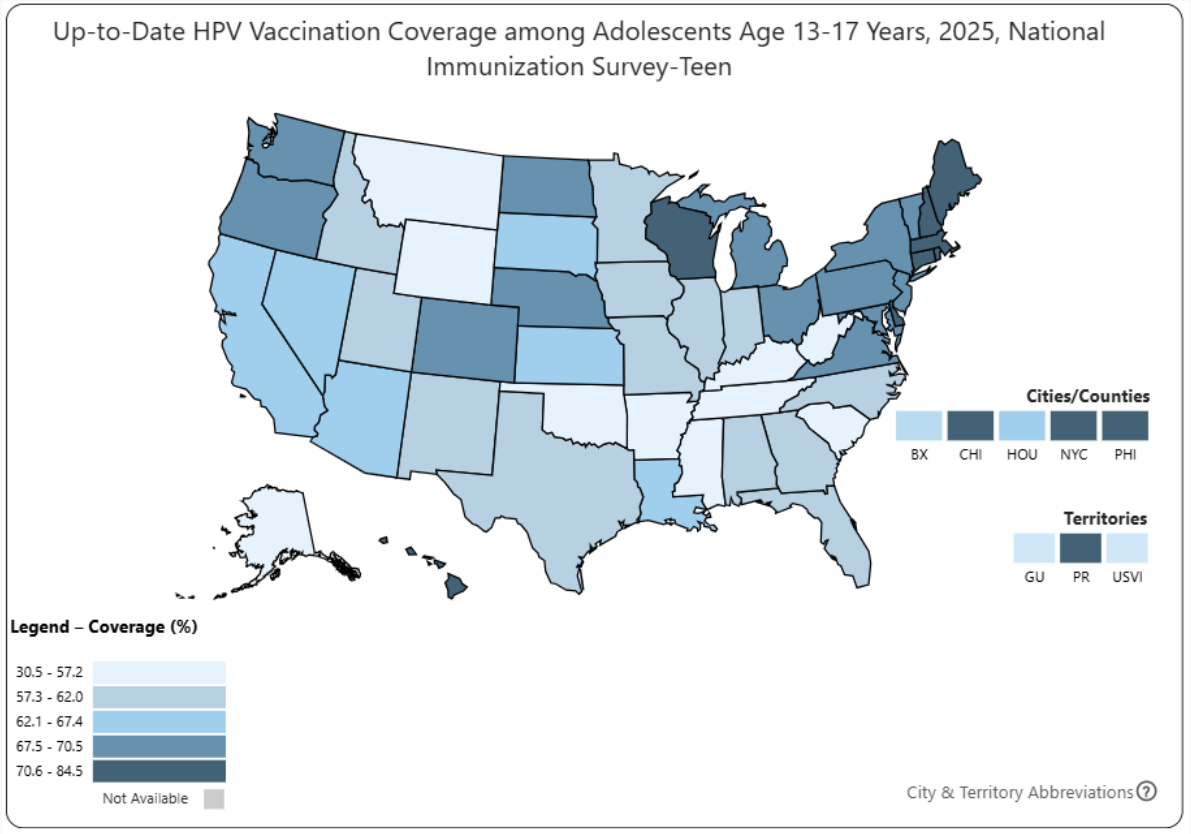
Varicella

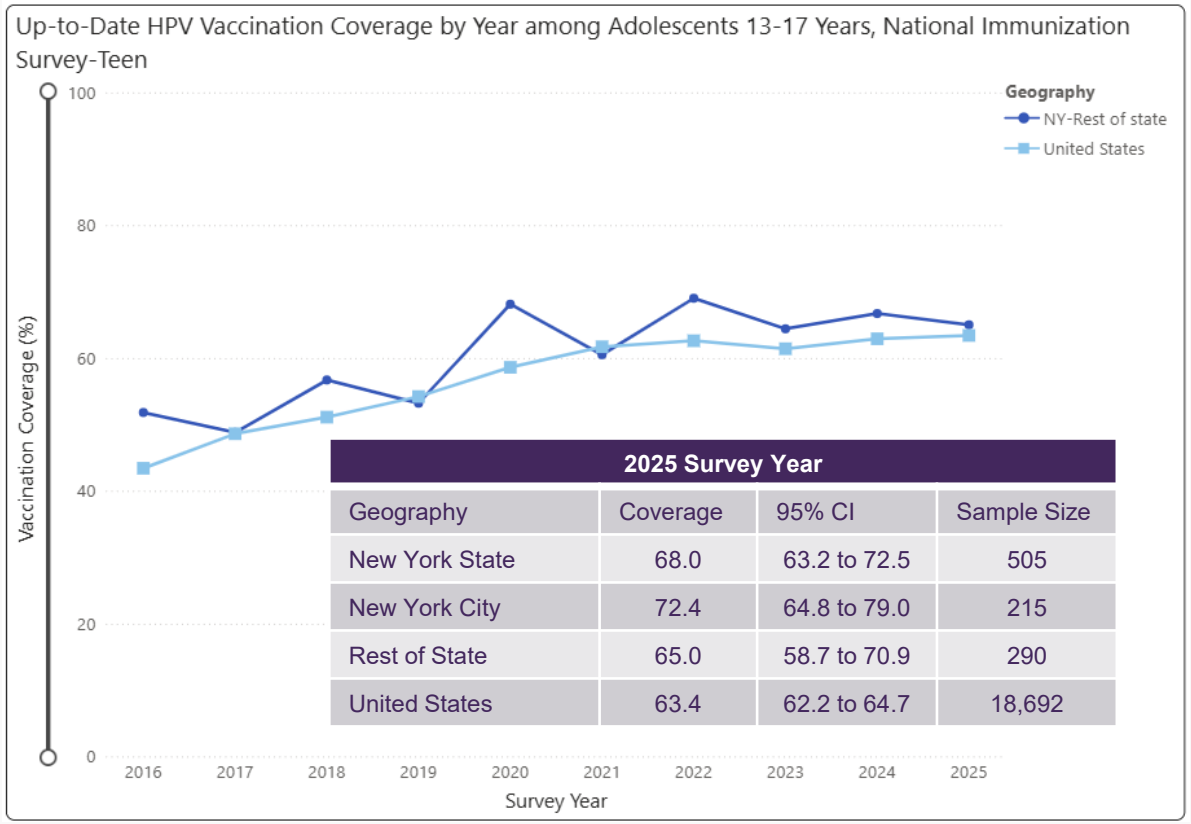


County Rate

47.5% — 85.3%

NEW YORK STATE
HPV VACCINATION COVERAGE 13-17 YEAR OLDS



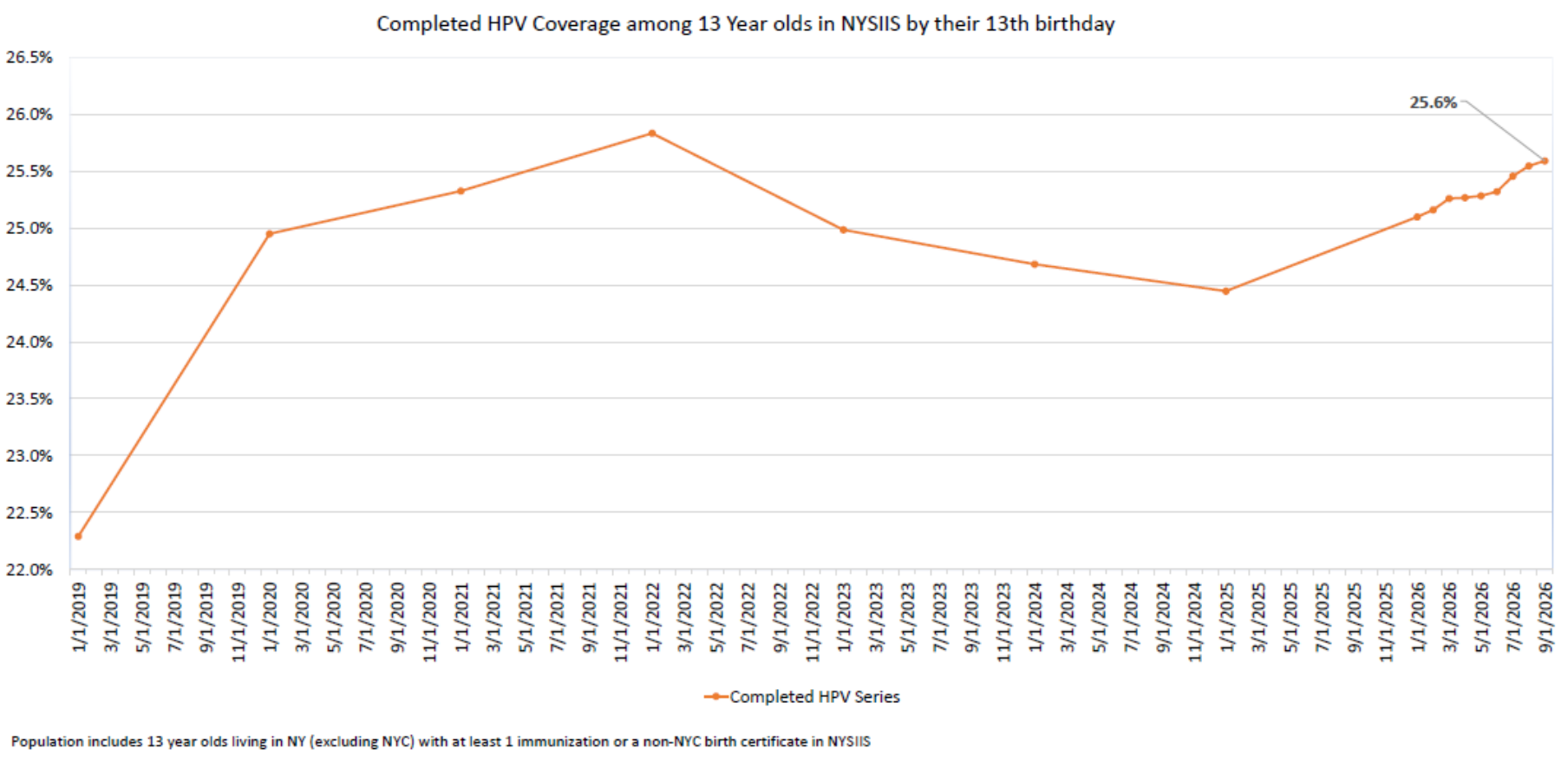


2025 Survey Year			
Geography	Coverage	95% CI	Sample Size
New York State	68.0	63.2 to 72.5	505
New York City	72.4	64.8 to 79.0	215
Rest of State	65.0	58.7 to 70.9	290
United States	63.4	62.2 to 64.7	18,692

- NIS metric is different from NYS and ACIP metrics

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NEW YORK STATE EXCLUDING NEW YORK CITY TRENDS
HPV COVERAGE AMONG 13 YEAR OLDS IN NYSIIS BY THEIR 13 BIRTHDAY



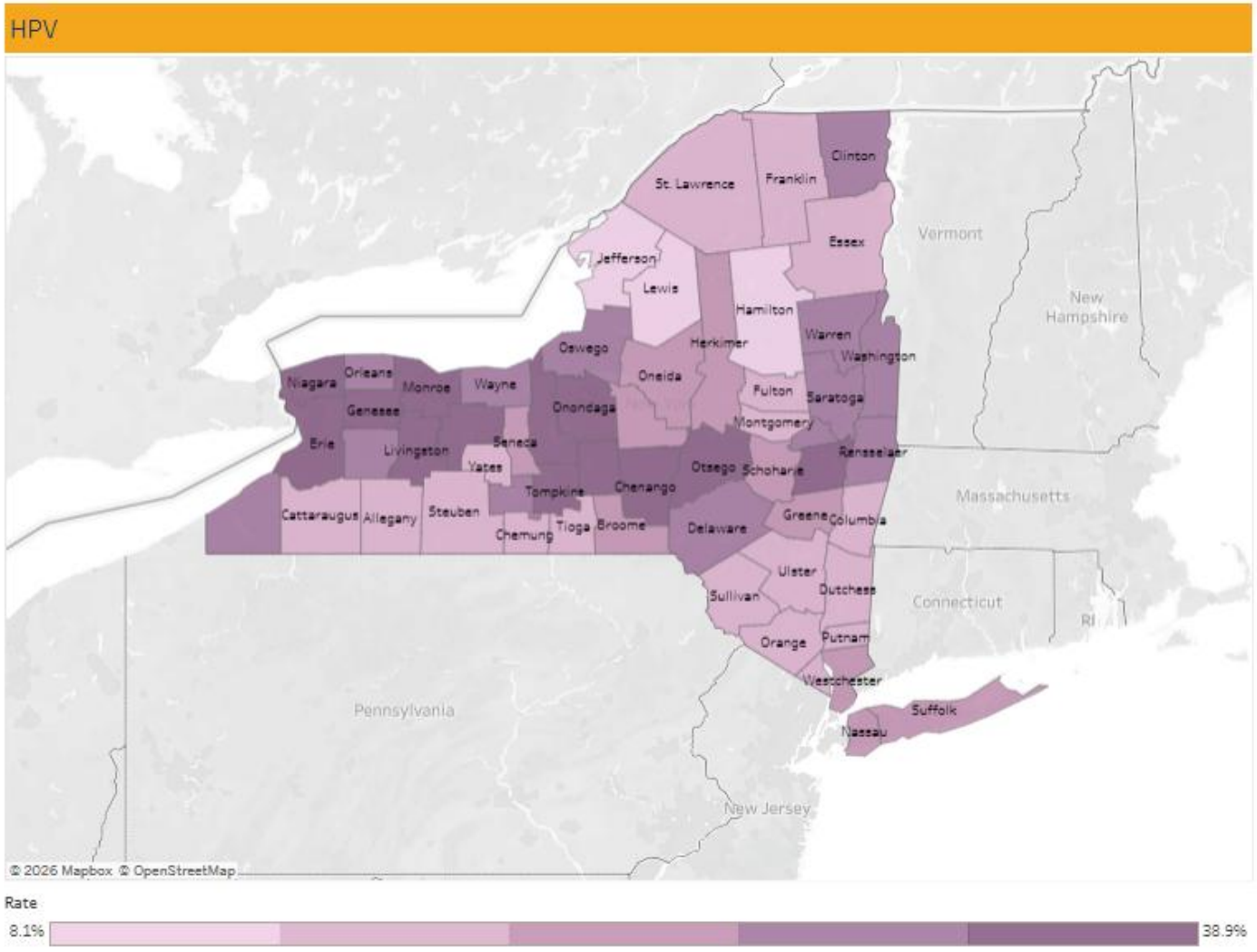
- Prior to April 2025 HPV was recommended at 11 years and accepted at 9 years
- Changed to recommended at 9 years
- Adjusted the forecasting within NYSIIS
- See a steady increase in rate since right before the implementation

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NEW YORK STATE (EXCLUDING NEW YORK CITY)
HPV COVERAGE AMONG 13 YEAR OLDS IN NYSIIS BY THEIR 13 BIRTHDAY

- Slightly different definition from NIS (25.6% statewide)
- Substantial variation by county
- Highest 38.9%
- Lowest 8.1%

Capital	Central New York	Metropolitan Area	Western New York
29.6% (5,807/19,613)	26.1% (6,500/24,875)	20.8% (17,798/85,484)	33.7% (13,100/38,859)



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LHD Dashboard in Production

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DASHBOARD IN PRODUCTION

New York State Immunization Information System (NYSIIS) Vaccination Rates for NYS excluding NYC

Hello, Vajeera Dorabawila, your use role is Tableau Reports State and you have access to the county and zip code reports for NYS exc. NYC

The ability to view data at the zip code level is controlled by your NYSIIS Tableau role, should you need to change your access or gain access please email nysiis@health.ny.gov

Data Use Policy:
I understand that I am responsible for the confidentiality, integrity, and management of the NYSIIS data. In the spirit of collaboration, I agree to keep NYSIIS informed of the results of analyses. In accordance with standard peer review journal publication guidelines, and depending on the level of involvement in the publication, I will include the appropriate NYSIIS staff person as a co-author or acknowledge NYSIIS staff support. I will not distribute the results of these analyses, electronically or otherwise, in the form of a poster, abstract, manuscript, report, press release, or other public presentation without the approval of NYSIIS and/or the NYSDOH clearance process, as appropriate.

Dashboards contain: County and zip code level maps of vaccination rates; County level charts of vaccination rates including a comparison to the overall NYS (excluding NYC) rate; Zip code level charts of vaccination rates for each county; Charts comparing vaccination rates for each vaccine type within the benchmark series. Please note access to zip code level charts/tables is restricted based on NYSIIS user roles, if you do not have appropriate access charts will appear blank.

Currently there are three dashboards, one for 2-year-old childhood benchmark series, one for 5-year old children, and one for 13-year-old adolescent benchmark series

Click on the dark blue navigation buttons below to navigate to the desired dashboard

2-Year-Old Vaccine Rates

Includes 2-year-olds living in NYS exc. NYC with at least 1 immunization or a non-NYC NYS birth certificate in NYSIIS

Vaccine Series Displayed:

1) Full Series (includes: 4+DTap, 3+ Polio, 1+MMR, UTD Hib, 3+Heb B or Immunity, 1+Varicella or Immunity, and UTD PCV)
2) 4 or more (4+) Diptheria-Tetanus-Pertussis (DTap)
3) 3 or more (3+) Poliomyelitis (Polio)
4) 1 or more (1+) Measles, Mumps, Rubella (MMR)
5) Up to Date (UTD) Haemophilus Influenza type B (Hib)
6) Immunity to or 3 or more (3+) Hepatitis B (Hep B)
7) Immunity to or 1 or more (1+) Varicella (Varicella)
8) Up to Date (UTD) Pneumococcal Conjugate Vaccine (PCV)

5-Year-Old Vaccine Rates

Includes 5-year-olds living in NYS exc. NYC with at least 1 immunization or a non-NYC NYS birth certificate in NYSIIS

Vaccine Series Displayed:

1) Full Series (includes: 4+DTap, 3+ Polio, 1+MMR, UTD Hib, 3+Heb B or Immunity, 1+Varicella or Immunity, and UTD PCV)
2) 4 or more (4+) Diptheria-Tetanus-Pertussis (DTap)
3) 3 or more (3+) Poliomyelitis (Polio)
4) 1 or more (1+) Measles, Mumps, Rubella (MMR)
5) Up to Date (UTD) Haemophilus Influenza type B (Hib)
6) Immunity to or 3 or more (3+) Hepatitis B (Hep B)
7) Immunity to or 1 or more (1+) Varicella (Varicella)
8) Up to Date (UTD) Pneumococcal Conjugate Vaccine (PCV)

13-Year-Old Vaccine Rates

Includes 13-year-olds living in NYS exc. NYC with at least 1 immunization or a non-NYC NYS birth certificate in NYSIIS

Vaccine Series Displayed:

1) Completed HPV Series which includes 2 or 3 doses depending on when the first dose was administered (HPV)
2) 1 or more Tetanus, Diptheria and Pertusis (TDap)
3) 1 or more Meningicoccal (Meningitis)

Data from NYSIIS will be updated monthly in the middle of the following month as providers legally have 14 days to report vaccinations.

Created by NYSDOH Division of Epidemiology, for questions please email nysiis@health.ny.gov

To NYSIIS Home Page

For more information on regional definitions click here

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NEW YORK STATE
SAMPLE DASHBOARD FOR 7 VACCINE SERIES

Childhood Series Vaccination Rates by Vaccination Series and County for 2-Year-old's by their 2nd Birthday as of September 1 st, 2026

Data Source: New York State Immunization Information System (NYSIIS)

Vaccine Series: Full Series

Region: (All)

To Vaccine Series Comparison

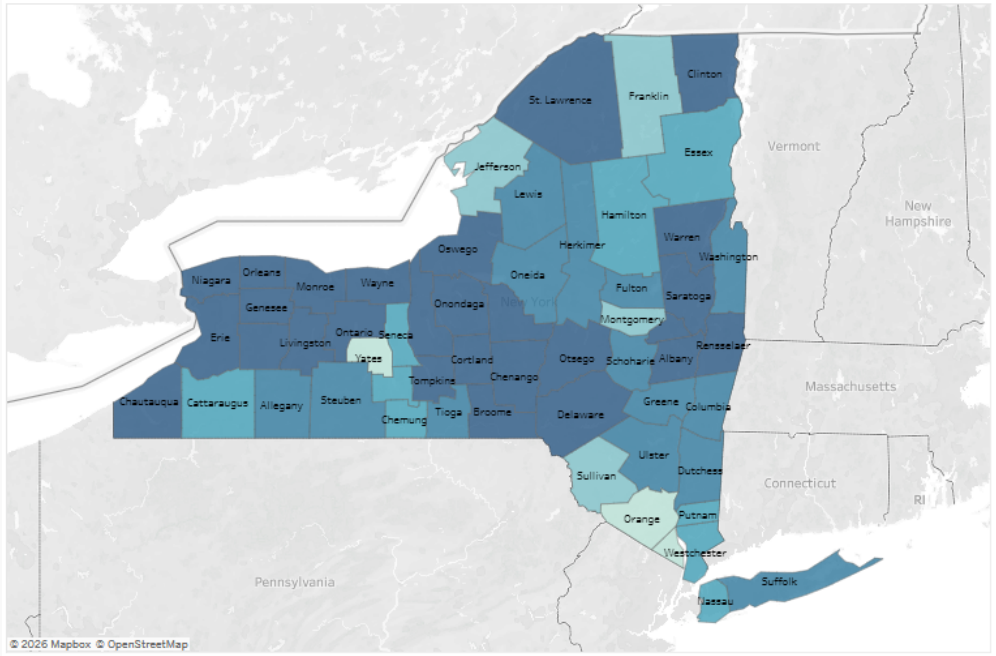
Dashboard Home

To view rates at a zip code level click on the county of interest.

NYS Rate (Excluding NYC and Missing Counties):59.9% (72,423/121,004)

Capital	Central New York	Metropolitan Area	Western New York
66.0% (9,227/13,988)	66.6% (11,388/17,104)	52.7% (32,807/62,211)	68.6% (19,001/27,701)

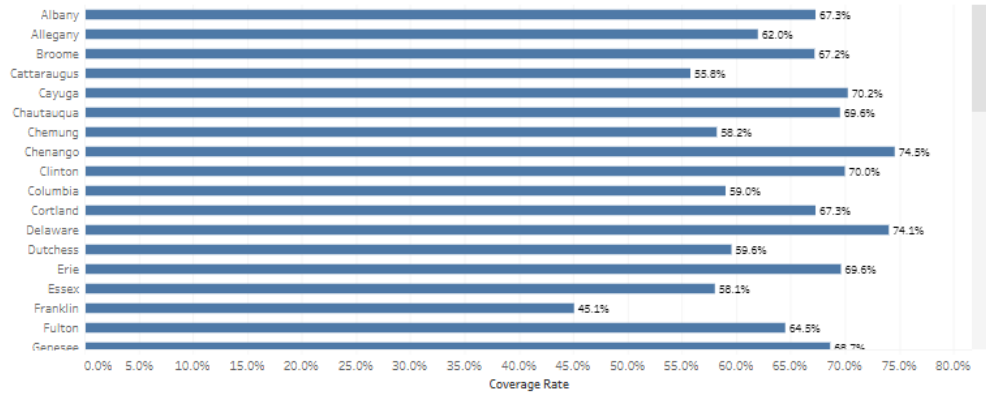
Full Series



County Rate

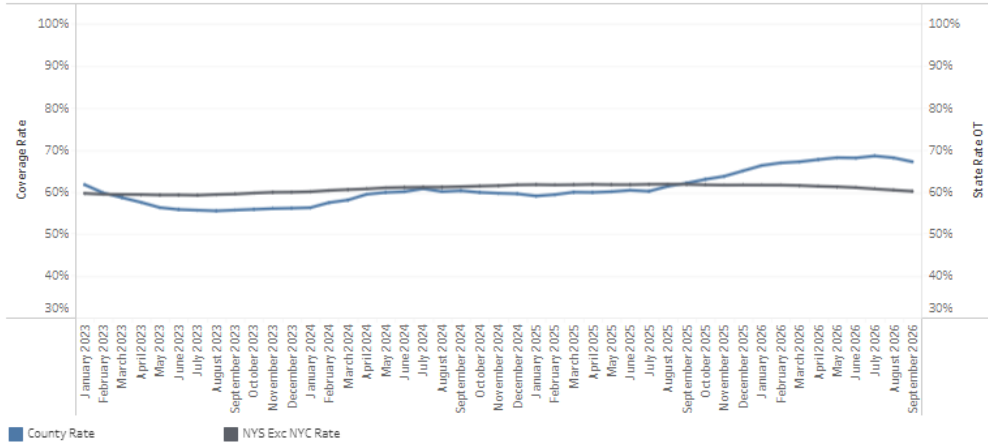
35.4% — 74.5%

By County



By Month for Albany County & NYS excluding NYC

Chart is filtered by County, selected by clicking on the county in the chart above



Notes: 1) Population includes 2-year-olds living in NY (excluding NYC) with at least 1 immunization or a non-NYC NYS birth certificate in NYSIIS ; 2) Full Series Coverage includes 4+DTaP, 3+Polio, 1+MMR, UTD Hib, 3+HepB or immunity, 1+Varicella or immunity, UTD PCV; 3) Grey line respresents overall NYS rate excluding NYC residents ; 4) Created by Division of Epidemiology, Bureau of Surveillance and Data Systems, Data as of:
2026

Public Dashboard in Process

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Planned Content

- Age Groups
  - Toddlers (2-year-olds)
  - School age (5-year-olds)
  - Adolescent (13-year-olds)
- Visuals
  - Comparison map
  - Region and county comparisons
  - Trends
  - Race/ethnicity
- Annual update
- No zip code level data due to confidentiality
- Planned for January 2027

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PUBLIC DASHBOARD IN PROCESS: PREVIEW

Children's Vaccination Data in New York State (excluding New York City)

Home | Toddlers (2 year olds) | School Age (5 year olds) | Adolescent (13 year olds)

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The New York State Department of Health's (NYSDOH) is committed to promoting the health of New York State (NYS) children by reducing and/or eliminating the number of vaccine preventable diseases that affect the State's children.

This dashboard is based on reports received from vaccine providers to the the NYSDOH using the New York State Immunization Information System (NYSIIS). As of January 1, 2008 the NYS legislature passed the Immunization Registry Law which requires health care providers to report all immunizations administered to persons less than 19 years of age, along with the person's immunization histories, to NYSIIS. The goal of NYSIIS is to establish a complete, accurate, secure, real-time immunization medical record that is easily accessible and promotes public health by fully immunizing all individuals appropriate to age and risk. For more information regading NYSIIS please visit https://www.health.ny.gov/prevention/immunization/information_system/.

Data presented here is updated annually and represents only those who live in New York State counties outside of New York City (NYC). For more information regarding vaccination in NYC please visit the New York City Department of Health and Mental Hygiene Childhood Vaccination Data. Accessed at https://www.nyc.gov/site/doh/data/data-sets/childhood-vaccination-data.page .

There are three separate dashboards which represent three different cohorts, 2-year olds (toddlers), 5-year olds (school age), and 13-year olds (adolescents).

Each age-based dashboard users can select a specific vaccination and year and they contain the follow:

1) The rate of vaccination for NYS excluding NYC and by region for the selected vaccine and year
2) A map of NYS counties (excluding NYC) showing the vaccination rate by county for the selected vaccine and year
3) A chart comparing multiple different vaccines by region/county by selected year
4) A chart of vaccination rate over time (by year) for the selected vaccination and region/county
5) A chart showing the vaccination rate by race/ethnicity for the most recent year of data, selected vaccine and selected region/county

Data used for calculating vaccination coverage is based on data from NYSIIS and cohort specific details are provided on each dashobard. The vaccinations displayed in the dashboards are based on selected vaccinations for children <19 are mandated by law to be reported to the NYSIIS system. Some entities that are not under the regulatory authority of the State of New York (e.g., federal entities such as federal military facilities, first nations, and jurisdictions out of New

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NEW YORK STATE
SAMPLE DASHBOARD FOR 7 VACCINE SERIES

View: Original | Save Custom View | Watch | Share

Children's Vaccination Data in New York State (excluding New York City)

Home | **Toddlers (2 year olds)** | School Age (5 year olds) | Adolescent (13 year olds)

Select Vaccine Series

Full Series

Vaccination Rate by Region: Full Series & 2025

NYS Exc. NYC	Capital Region	Central Region	Metropolitan Area Region	Western Region
61.4%	65.4%	67.9%	54.6%	70.7%

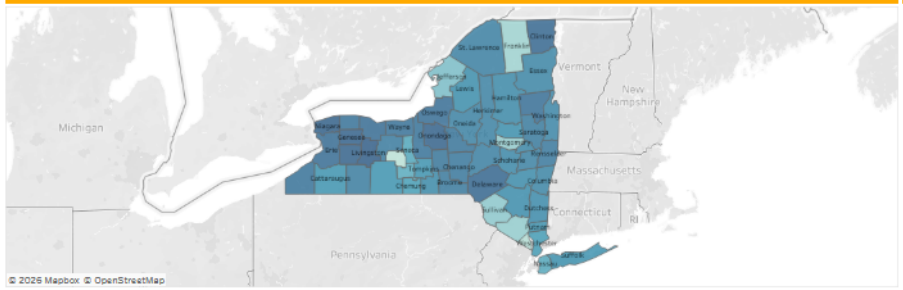
Select Year
(only applies to map & chart directly below)

2025

Select Region/County
(only applies to graph & chart directly below)

NYS Exc. NYC

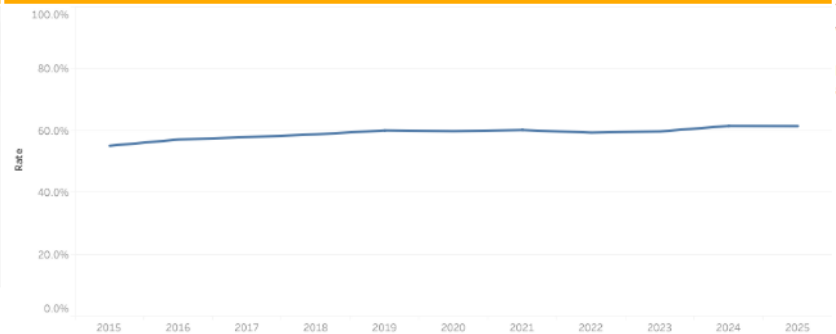
Vaccination Rate Map: Full Series & 2025



Selected Series Rate

34.9% — 77.4%

Vaccination Rate by Year: Full Series for NYS Exc. NYC region/county



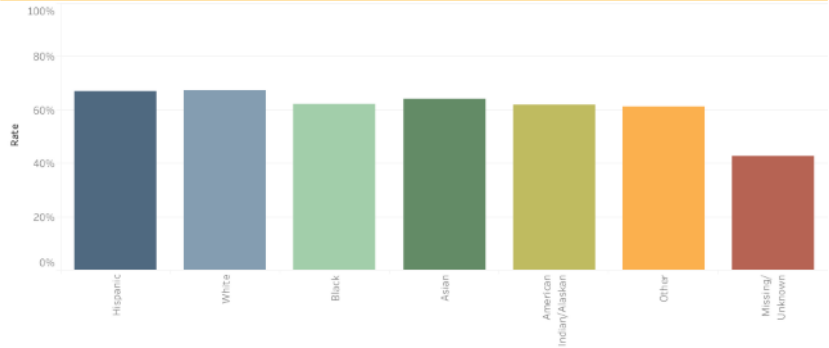
Vaccination Rate by Vaccine Series & Region/County: 2025

County	Full Series	DTaP	HEPB	HIB	MMR	PCV	Polio	Varicella
NYS Exc. NYC	61.4%	67.8%	80.0%	76.6%	80.8%	75.1%	81.3%	79.3%
Capital Region	65.4%	70.9%	83.4%	80.0%	83.8%	78.6%	83.3%	82.0%
Central Region	67.9%	72.1%	84.4%	78.3%	82.2%	78.2%	84.3%	81.1%
Metropolitan Area Region	54.6%	62.5%	75.4%	73.3%	78.1%	70.6%	77.7%	76.5%
Western Region	70.7%	75.2%	86.0%	81.0%	84.7%	81.6%	86.2%	83.2%
Albany	66.3%	72.7%	85.5%	81.2%	86.1%	79.1%	86.1%	84.3%
Allegany	67.7%	71.9%	76.8%	76.0%	76.8%	73.8%	78.0%	75.3%
Broome	68.8%	71.9%	88.5%	80.0%	85.5%	80.4%	88.4%	84.6%

Vaccine Series Rate (see vaccine series for more info)

34.9% — 96.4%

Vaccination Rate by Race/Ethnicity in 2025*: Full Series for NYS Exc. NYC region/county



* Year is static and set to the previous year and can not be changed with filter
** If the population within any race/ethnicity group is <20 individuals, their race/ethnicity value was categorized within "Other" to protect confidentiality and increase measure realiability

Department of Health

This data represents an estimate of vaccination coverage rates (the percentage of people who are vaccinated) in New York State (NYS) excluding New York City (NYC). For more information on NYC vaccination coverage please go to the NYC Department of Health and Mental Hygeine Childhood Vaccine Data Explorer.

This data comes from the New York State Immunization Information System (NYSIIS) and the selected vaccinations for children are mandated by law to be reported to the NYSIIS system.

Data is updated annually and prepared by the New York State Department of Health Bureau of Surveillance and Data Systems. For more information regarding NYSIIS please email nysiis@health.ny.gov.

Age Cohort: 2 Year Olds

Includes 2-year olds living in New York State excluding New York City with at least 1 immunization or a New York State birth certificate in NYSIIS as of January 1st of the following year.

Vaccine Series Selected: Full Series

Includes 4 or more doses of Diphtheria, Tetanus, and Pertussis (DTaP) vaccinations, 3 or more doses of Polio vaccinations, 1 or more doses of Measles, Mumps, and Rubella (MMR) vaccinations, 3 or 4 doses of Haemophilus influenzae type B (HiB) vaccinations depending on the vaccine product, 3 or more doses of Hepatitis B (Hep B) vaccinations or documented immunity, 1 or more doses of Varicella (Var) vaccinations or documented immunity, and 4 or more doses of Pneumococcal Conjugate (PCV) vaccinations by the child's second birthday.

+ Vaccine series chart color based on the vaccination rate for all vaccines in the table, with a darker color indicating a higher vaccination rate, while map color is for the selected vaccine.

Data Last Updated: 9/23/2026

Public Access Portal for Child Vaccinations

NEW YORK STATE | Department of Health

Public Access Portal

- What?
  - Vaccine record for children <19 years
  - Use for camps and school
- Who will have access?
  - Responsible person on child's record
  - Security using drivers license or phone number in child's record
- When?
  - Sometime in 2027 (TBD)
  - Internal DOH pilot complete
  - Planning pilot phase 2

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Thank You.
Questions?

Contact: Vajeera.Dorabawila@health.ny.gov

NEW YORK STATE | Department of Health



Department of Health

Mission, Vision and Values

NEW YORK STATE | Department of Health

Mission

To protect and promote health and well-being for all, building on a foundation of health equity.

Vision

New York is a healthy community of thriving individuals and families.

Values

Public Good • Integrity • Innovation • Collaboration • Excellence • Respect • Inclusion

Health

Health is a state of optimal physical, mental and social well-being.

Statement on Health Equity

Health equity is foundational to everything we do to help all people achieve optimal physical, mental and social well-being. Everyone at the Department of Health shares responsibility for achieving health equity and eliminating health disparities.