



Department
of Health

Adult Immunizations

New York State Updates

Sarah Hershey, RN, BSN
Adult Immunization Coordinator
New York State Department of Health
Bureau of Immunization

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Disclosures

- I have no financial relationships, or any other relationships that would create a conflict of interest, with any vaccine manufacturers mentioned in the presentation.
- No other planners or presenter have disclosed any relevant financial relationships with any commercial entities whose products, research or services may be discussed in this activity.
- No commercial funding has been accepted for this activity.



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Agenda

- Standards for Adult Immunization Practice
- New York State Immunization Information System (NYSIIS)
- Non-Patient Specific Orders in NYS
- Pharmacists as Immunizers
- New York State Influenza and Adult Immunization Data
- NYS COVID-19 Vaccination Data
- Mpox Resources
- Vaccines for Adults Program



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Adults Need Vaccinations Too!!



COVID-19, Influenza, Respiratory syncytial virus (RSV), Tetanus, Diphtheria, and Pertussis (Td/Tdap), Pneumococcal (PCV, PPSV), Herpes Zoster, MMR, Varicella, Meningococcal (MenACWY, MenB), Human papillomavirus (HPV), Hepatitis A, Hepatitis B, Haemophilus influenzae type b (Hib)



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Standards for Adult Immunization Practice



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Standards for Adult Immunization Practice

- **Assess** the immunization status of all patients at every clinical encounter.
- Strongly **Recommend** the vaccines that your patients need.
- **Administer** the needed vaccines or **Refer** your patients to a vaccination provider.
- **Document** the vaccines your patients received.



<https://www.cdc.gov/vaccines/hcp/adults/for-practice/standards/index.html>

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Assess Patients' Immunization Needs

- Assessing patients' vaccination status at every clinical encounter will help avoid missed opportunities.
- Make routine vaccination assessment part of the workflow in your practice.
- Routine assessment of patients' vaccination status will make a difference.



Make a Strong Recommendation: S.H.A.R.E.

- **S - Share:** why the recommended vaccine is right for them.
- **H - Highlight:** positive experiences
- **A - Address:** patient questions and concerns
- **R - Remind:** patients that vaccines protect them and their loved ones.
- **E - Explain:** potential costs of the disease.



Administer or Refer

- **Administer** recommended vaccines
 - Stock vaccines at your practice
 - Train and educate staff on vaccine administration
 - Make it convenient for patients to receive needed vaccines.
- **Refer** patients to an immunization provider for vaccines you do not stock
 - Why is this important?
 - What can you do?



Document the Vaccines Patients Received

- Document in the patient's medical record
- Provide each patient with documentation of vaccines received
- Document vaccination in NYSIIS, with consent



New York State Immunization Information System (NYSIIS)



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Benefits of NYSIIS for Your Practice

- Provides a complete, confidential vaccination record in one place and is a Lifetime Registry
- Improves patient care
 - Recommend needed immunizations
 - Avoids unnecessary immunizations
 - Provides assessment of immunization series completion
 - Avoids missed opportunities
- Provides ability to utilize reminder and recall notifications



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Benefits of NYSIIS continued

- Utilize reports to monitor the immunization coverage rates for your practice
- Access to multiple users: Record and/or read
 - Primary care providers
 - Specialty providers such as obstetrics
 - Emergency room and urgent care providers
 - Schools
 - Public health for case management and outbreak control
 - Pharmacists



NYSIIS Resources

- NYSIIS webpage:
 - https://www.health.ny.gov/prevention/immunization/information_system/
 - Trainings:
 - https://www.health.ny.gov/prevention/immunization/information_system/status.htm
 - Providers:
 - https://www.health.ny.gov/prevention/immunization/information_system/providers/
 - Contact:
 - https://www.health.ny.gov/prevention/immunization/information_system/contact.htm
- NYSIIS general contact information: nysiis@health.ny.gov or (518) 473-2839



Non-Patient Specific Orders in NYS



Who regulates standing orders in NYS?

- Non-patient specific orders, otherwise known as standing orders, fall under scope of practice and are covered in New York State Education Department (NYSED) regulations:
 - Nurses:
 - [NYSED Commissioner's Regulations, Part 64](#)
 - Pharmacists:
 - [NYSED Commissioner's Regulations, Part 63](#)
 - [NYSED Administration of Immunization FAQ](#)



NYSDOH Standing Order Resources

- The NYSDOH in collaboration with the NYSED Board of Nursing provided a webinar on this topic in August 2018. The recording is available here: [Non-Patient Specific Orders \(Standing Orders\): Benefits and How to Use Them](#)
- A guidance document demonstrating how to use a standing order template from immunize.org and modify it to meet NYSED regulations is available here: https://www.health.ny.gov/prevention/immunization/providers/docs/standing_orders.pdf
- The templates are available on the immunize.org website at this link: <https://www.immunize.org/standing-orders/>



Pharmacists as Immunizers



Pharmacists as Immunizers

- New York State Education Law §§ 6527, 6801, 6802 and 6909 were amended to permit pharmacists who obtain additional certification to administer to adults aged 18 years and older under a non-patient specific or a patient specific order:

| | |
|--|-----------------------|
| COVID-19 | Herpes Zoster |
| Influenza | Hepatitis A |
| Pneumococcal | Hepatitis B |
| Meningococcal | Human Papilloma Virus |
| Tetanus, Diphtheria, and Pertussis-containing vaccines | MMR |
| Varicella | RSV |

<https://www.op.nysed.gov/professions/pharmacist/frequently-asked-questions/administration-of-immunizations>



Pharmacists as Immunizers

- The amendment also allows for other immunizations recommended by the Advisory Committee on Immunization Practices (ACIP) for patients 18 years and older if the commissioner of health in consultation with the education commissioner determines:
 - That an immunization:
 - May be safely administered by a licensed pharmacist within lawful scope of practice; **and**
 - Is needed to prevent the transmission of a reportable communicable disease that is prevalent in New York state **OR**
 - Is a recommended immunization for such people who:
 - Meet age requirements
 - Lack documentation of such immunization
 - Lack evidence of past infection **OR**
 - Have an additional risk factor or another indication as recommended by ACIP



Pharmacists as Immunizers

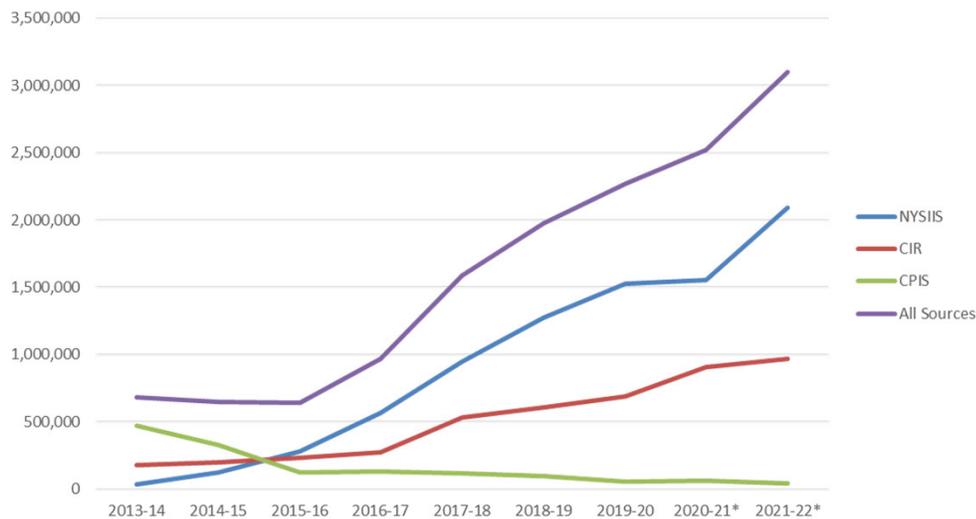
| Vaccine | 2020-21 | | | | 2021-22 | | | |
|---------------|--------------------------|-----------------------|------------------------|---------------------------|--------------------------|-----------------------|------------------------|---------------------------|
| | Doses Reported to NYSIIS | Doses Reported to CIR | Doses Reported in CPIS | Total Doses - All Sources | Doses Reported to NYSIIS | Doses Reported to CIR | Doses Reported in CPIS | Total Doses - All Sources |
| Influenza | 1,156,691 | 752,355 | 50,095 | 1,959,141 | 1,649,725 | 790,891 | 33,911 | 2,474,527 |
| Pneumococcal | 55,754 | 37,844 | 1,886 | 95,484 | 57,537 | 26,424 | 1,060 | 85,021 |
| Zoster | 304,835 | 89,806 | 8,759 | 403,400 | 317,027 | 115,425 | 4,391 | 436,843 |
| Meningococcal | 706 | 538 | 147 | 1,391 | 2,192 | 1,512 | 82 | 3,786 |
| Td/Tdap | 37,600 | 25,278 | 967 | 63,845 | 64,448 | 36,772 | 951 | 102,171 |
| COVID | 3,859,047 | 2,470,626 | | 6,329,673 | 6,448,615 | 3,897,043 | | 10,345,658 |
| Total | 5,414,633 | 3,376,447 | 61,854 | 8,852,934* | 8,539,544 | 4,868,067 | 40,395 | 13,448,006** |

*2020-2021 Total minus COVID doses equals 2,523,261
 **2021-2022 Total minus COVID doses equals 3,102,348



Pharmacists as Immunizers

Total Vaccine Doses Reported by NYS Pharmacies, by Data Source and Year*



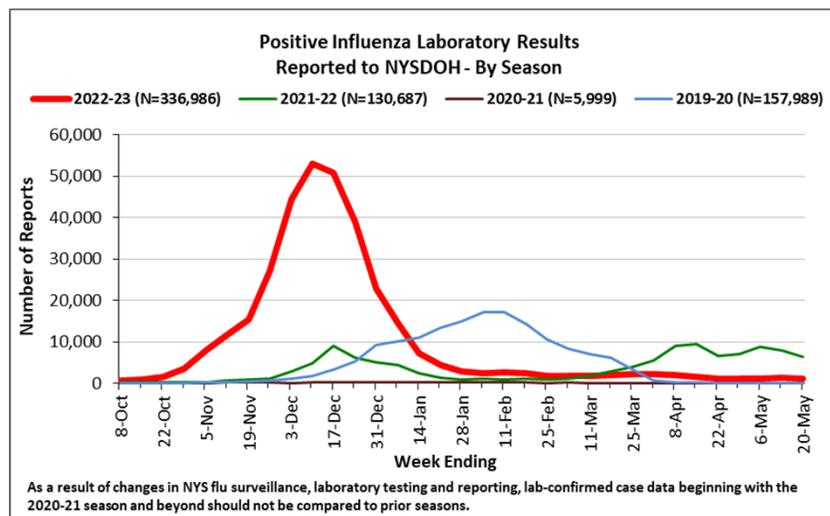
*This graph has had COVID vaccine doses removed from "NYSIIS", "CIR" and "All Sources" totals for the 2020-21 and 2021-22 data.



NYS Influenza & Adult Immunization Data



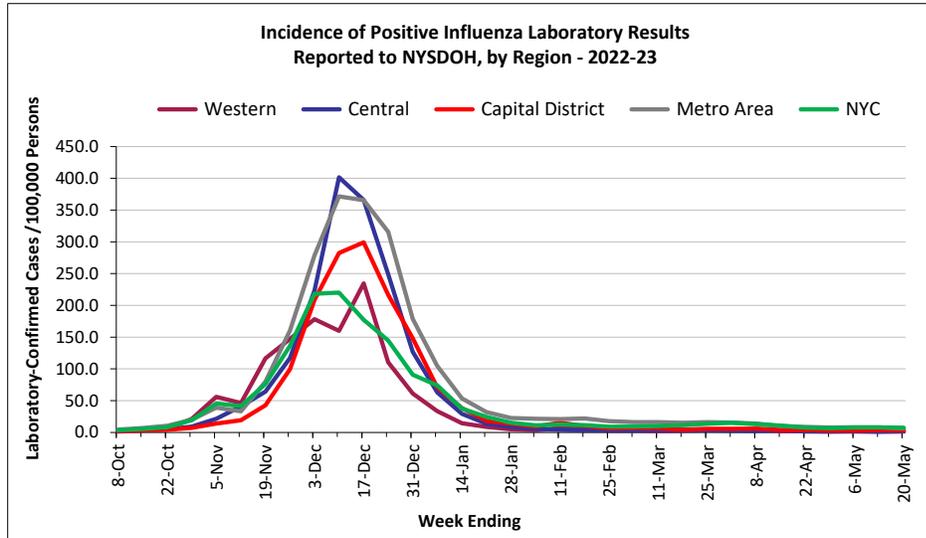
Positive Influenza Laboratory Results: Week Ending 5/20/2023



Source: <https://www.health.ny.gov/diseases/communicable/influenza/surveillance/>



Incidence of Positive Influenza Laboratory Results by Region: Week Ending 5/20/2023

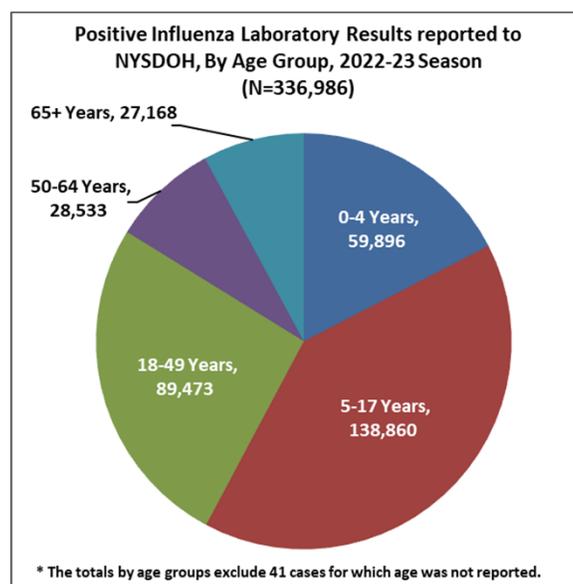


Source: <https://www.health.ny.gov/diseases/communicable/influenza/surveillance/>



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NYS Laboratory Confirmed Influenza by Age: Week Ending 5/20/2023

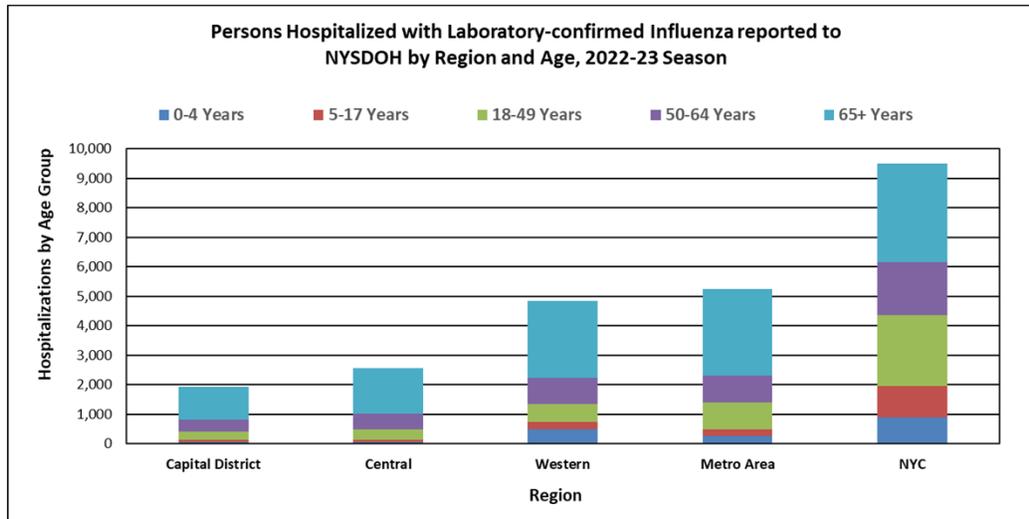


Source: <https://www.health.ny.gov/diseases/communicable/influenza/surveillance/>



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Patients Hospitalized with Lab Confirmed Influenza by Region and Age week ending 5/20/2023



Source: <https://www.health.ny.gov/diseases/communicable/influenza/surveillance/>

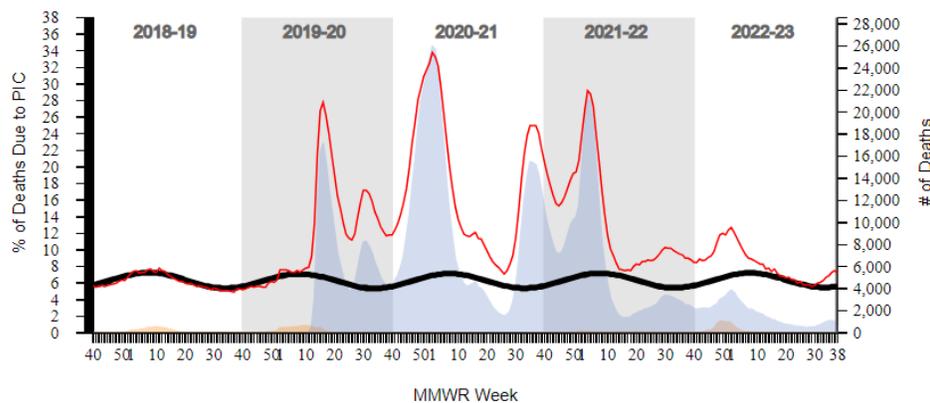


Percentage of all deaths due to pneumonia, influenza, and COVID-19, National

Summary [Download Image](#)

2018-23

Show Number of Influenza Deaths and COVID Deaths



█ Threshold
 █ Baseline
 █ % of Deaths due to PIC
 █ Influenza Coded Deaths
█ COVID Coded Deaths

<https://gis.cdc.gov/grasp/fluview/mortality.html>



Flu Vaccination and Pregnancy

- Pregnant women and their infants are at increased risk of severe influenza-related illness
- ACIP recommends all women who are or may become pregnant during the flu season receive influenza vaccine
- Flu vaccination during pregnancy:
 - Reduced risk of flu-associated acute respiratory infection in pregnant women by up to one-half
 - Can help protect infants from influenza after birth

<https://www.cdc.gov/flu/highrisk/pregnant.htm>



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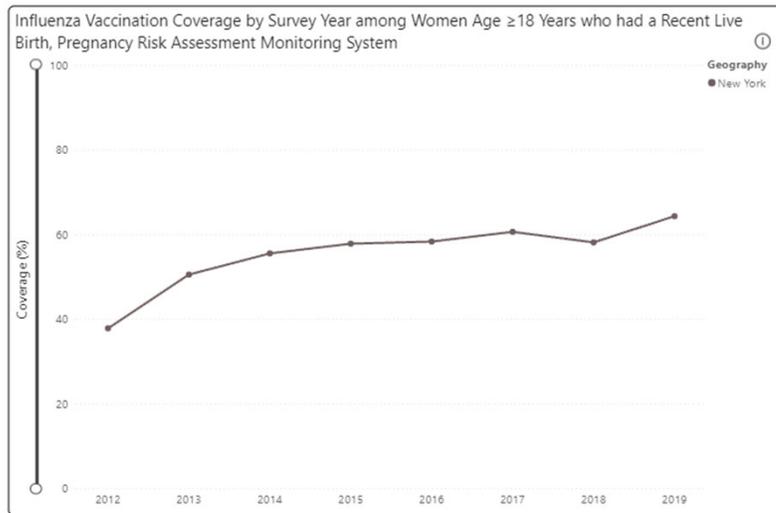
Influenza and Tdap Coverage Among Pregnant Women: Data from Internet Panel Survey, United States, April 2018

| Recommendation/ Referral Provided | Number (weighted %) | Influenza Vaccine Received | Number (weighted %) | Tdap Vaccine Received |
|--|------------------------|-------------------------------|------------------------|-----------------------|
| Recommendation and offer | 1,189 (66.6) | 63.8% | 489 (67.4) | 73.5% |
| Recommendation, no offer | 244 (14.5) | 37.6% | 78 (11.9) | 38.3% |
| Recommendation, no offer, referral received | 108 (6.1) | 47.9% | 39 (6.3) | 56.1% |
| Recommendation, no offer, no referral received | 136 (8.4) | 30.1% | 39 (5.7) | 18.5% |
| No Recommendation | 308 (19.0) | 9.0% | 133 (20.7) | 1.6% |

Source: https://www.cdc.gov/mmwr/volumes/67/wr/mm6738a3.htm?s_cid=mm6738a3_w

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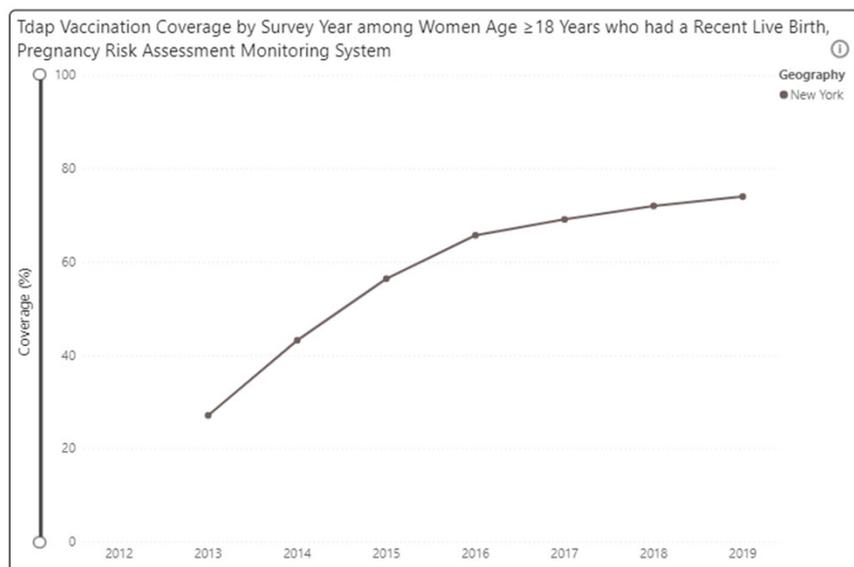
Influenza Vaccination Coverage by Survey Year among Women Age ≥18 Years who had a Recent Live Birth, Pregnancy Risk Assessment Monitoring System –New York, 2012-2019



Source: <https://www.cdc.gov/flu/fluview/interactive-pregnant-women.htm>



Tdap Vaccination Coverage by Survey Year among Women Age ≥18 Years who had a Recent Live Birth, Pregnancy Risk Assessment Monitoring System –New York, 2012-2019



Source: <https://www.cdc.gov/vaccines/imz-managers/coverage/adultvaxview/data-reports/index.html>



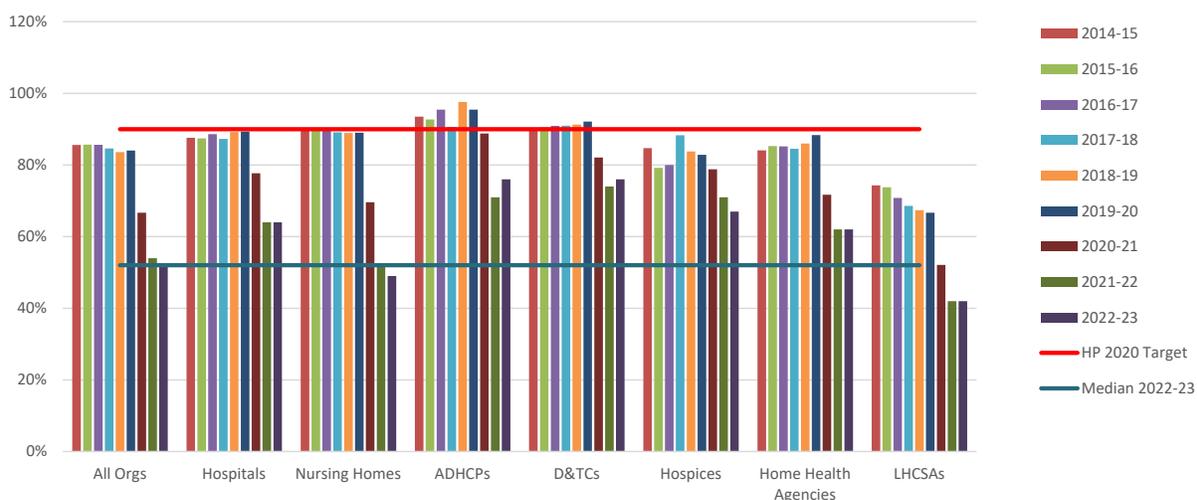
NYS “Flu Mask” Regulation

- Requires healthcare facilities, agencies and hospices licensed under Article 28, 36 or 40 to:
 - Annually document the influenza vaccination status for all personnel employed by or affiliated with the facility or agency, whether paid or unpaid, who engage in activities such that if they were infected with influenza, they could potentially expose patients or residents to the disease
 - During the influenza season*, ensure that all personnel not vaccinated against influenza for the current season wear a surgical or procedure mask while in areas where patients or residents may be present
 - The NYSDOH annually sends out notifications when influenza is prevalent, and posts them at www.health.ny.gov/flumaskreg

*Influenza season defined as the period of time during which influenza is determined to be prevalent by the NYS Commissioner of Health.



Median HCP Influenza Rates by Year and Facility/Agency Type, 2014-2023



*Data from the annual NYSDOH healthcare personnel influenza vaccination survey (2013-14 data removed due to limited space)



Influenza Vaccination Coverage Among Health Care Personnel, United States, 2021-2022 Influenza Season

- Coverage rate for HCP overall was 79.9%, not a statistically significant difference from 2020-21 coverage of 75.9%.
- The 4 seasons prior to the 2019-2020 season ranged from 77.3% to 81.1% coverage.
- Over 90% of physicians, nurse practitioners, physician assistants, and pharmacists were vaccinated (92.4% to 96.8%).
- 87.8% of nurses and other clinical personnel were vaccinated.
- However, only 68.8% of assistants/aides, and 75.7% of nonclinical personnel were vaccinated.
- Vaccination was highest in settings with employer vaccination requirements (96.8%), and lower among personnel whose employers who only recommended vaccination (76.5%) and lowest among personnel whose employers neither required nor recommended vaccination (48.1%).

https://www.cdc.gov/mmwr/volumes/71/wr/mm7142a2.htm?s_cid=mm7142a2_w



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Adult Vaccination Coverage in NYS

| YEAR | VACCINE | AGE | COVERAGE |
|------|--------------|---------------|----------|
| 2019 | Tdap | 18+ | 36.4% |
| | | ≥ 65 years | 25.5% |
| 2019 | Td or Tdap | 18+ | 65.2% |
| | | ≥ 65 years | 58.1% |
| 2021 | Pneumococcal | 18 – 64 years | 26.3% |
| 2021 | Pneumococcal | ≥ 65 years | 65.6% |
| 2020 | Zoster | ≥ 60 years | 34.4% |



Source: <https://www.cdc.gov/vaccines/imz-managers/coverage/adultvaxview/data-reports/index.html>

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NYS COVID-19 Vaccination Data

<https://covid19vaccine.health.ny.gov/covid-19-vaccine-tracker>



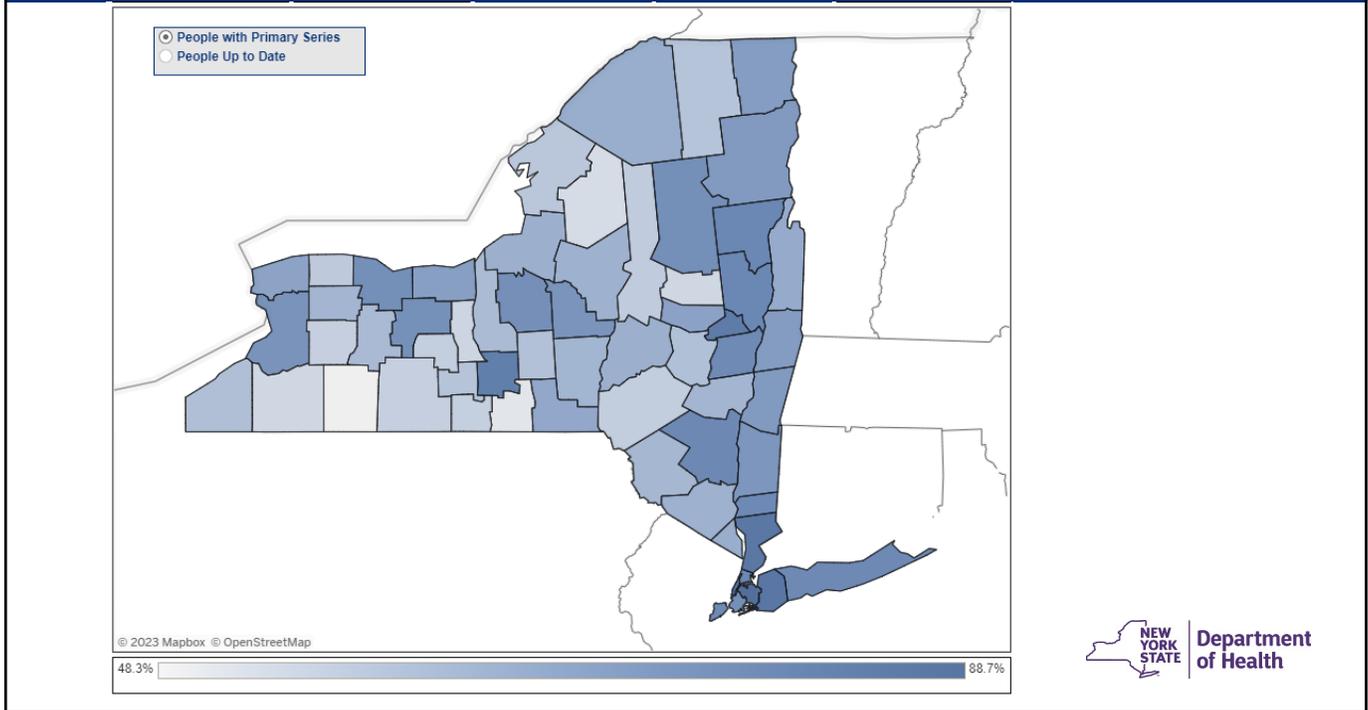
NYS COVID-19 Vaccine Tracker

New York State COVID-19 Vaccine Tracker: Vaccination Progress to Date

Vaccine Data as of 9/29/2023 11 AM

| People with Primary Series | | | | People Up to Date | | | |
|----------------------------|-----------------------|------------|---------------------|-------------------|-----------------------|-----------|---------------------|
| Total | % of Total Population | Age 18+ | % of 18+ Population | Total | % of Total Population | Age 18+ | % of 18+ Population |
| 15,490,920 | 77.0% | 13,727,907 | 86.0% | 3,098,490 | 15.5% | 2,804,177 | 17.7% |





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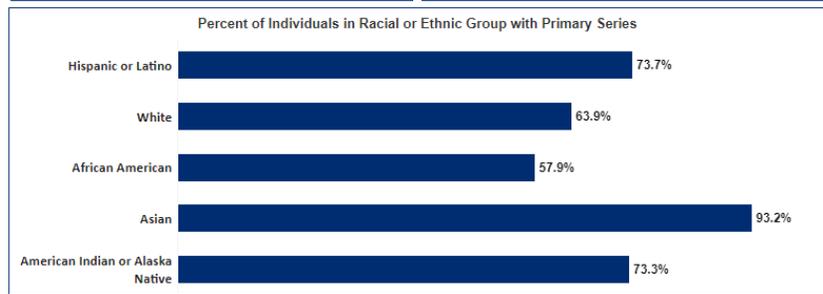
| Regional Vaccination Progress by New York Providers | | | | | |
|---|------------------|----------------------------|---------------------------|-------------------|---------------------------|
| Vaccine Data as of 5/12/2023 11 AM | | | | | |
| | Region | People with primary series | | People Up to Date | |
| | | Total | Increase over past 7-days | Total | Increase over past 7-days |
| Total Doses Administered | Capital Region | 912,084 | 222 | 236,357 | 2,058 |
| | Central New York | 614,771 | 105 | 151,223 | 1,284 |
| | Finger Lakes | 833,752 | 162 | 252,961 | 2,084 |
| Cumulative 44,069,867 | Long Island | 2,027,741 | 565 | 389,951 | 2,985 |
| | Mid-Hudson | 1,577,843 | 551 | 351,457 | 3,003 |
| | Mohawk Valley | 312,343 | 61 | 72,046 | 557 |
| | New York City | 7,495,047 | 1,500 | 1,054,214 | 8,475 |
| Past 7-days 34,987 | North Country | 285,915 | 106 | 64,664 | 422 |
| | Southern Tier | 420,755 | 86 | 111,403 | 1,042 |
| | Western New York | 915,744 | 170 | 238,576 | 1,872 |
| | Statewide | 15,395,995 | 3,528 | 2,922,852 | 23,782 |

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Race Ethnicity Age Gender

New York State COVID-19 Vaccination Demographics: Race & Ethnicity Data as of: 9/29/2023

Region Age Group All



| Not Included Above | | |
|---|---------|-------|
| Total and Percent of People with Completed Vaccine Series | | |
| Unknown | 921,233 | 50.9% |
| Other Race | 859,464 | 47.5% |
| Two or More Races | 30,560 | 1.7% |



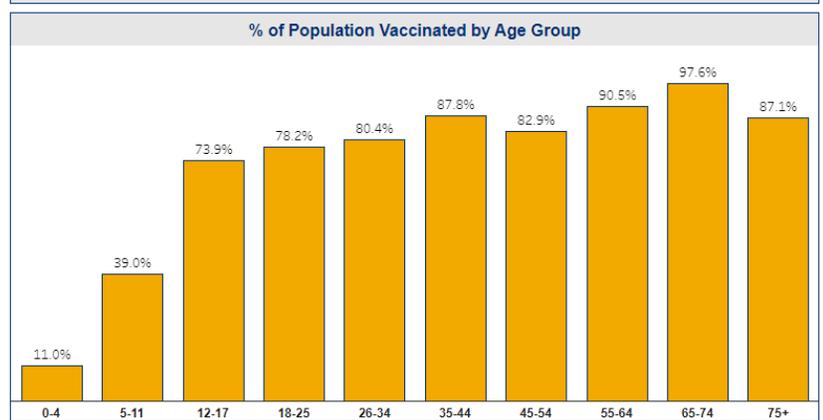
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Race Ethnicity Age Gender

New York State COVID-19 Vaccination Demographics: Age Group Data as of: 9/29/2023

Region: (All) County: (All)

People with Primary Series People Up to Date



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Mpox Resources



NYSDOH Mpox Website

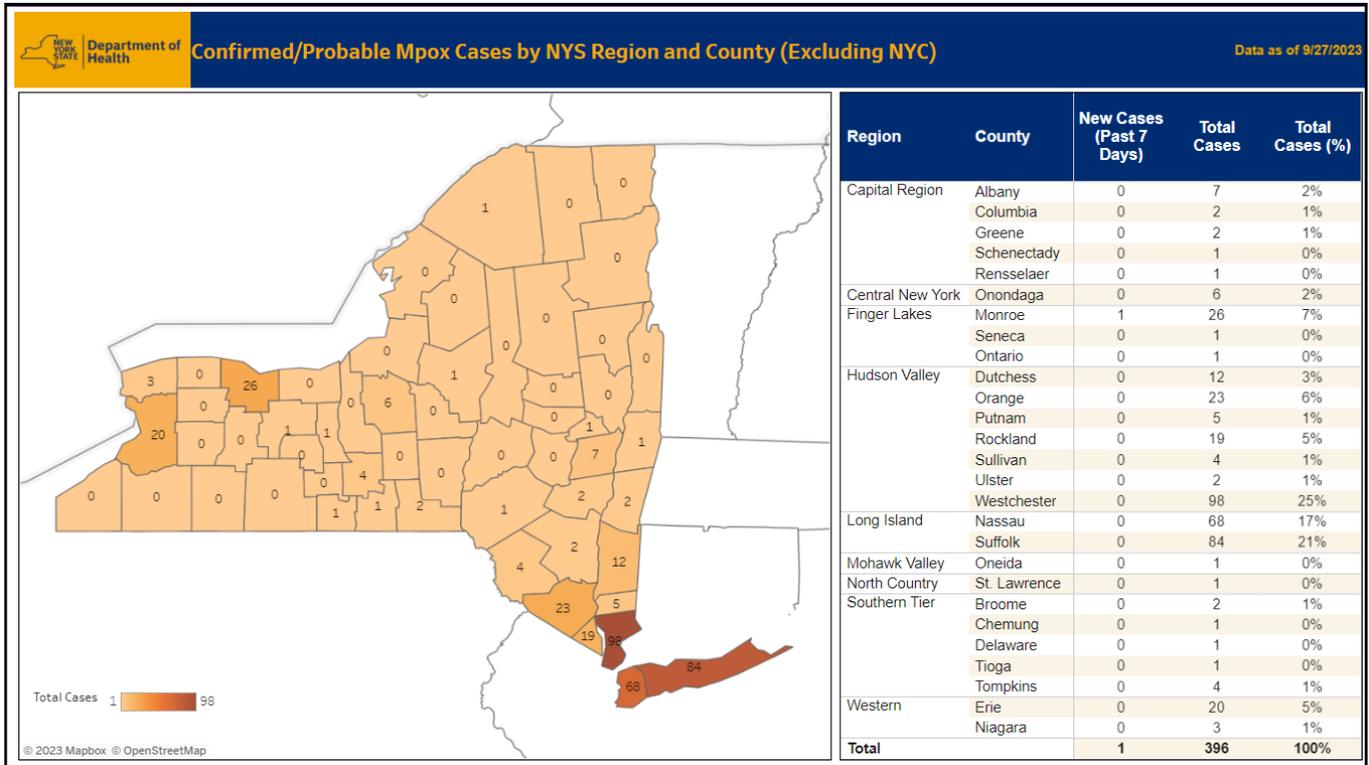
- Webpage:

<https://www.health.ny.gov/diseases/communicable/zoonoses/mpox/>

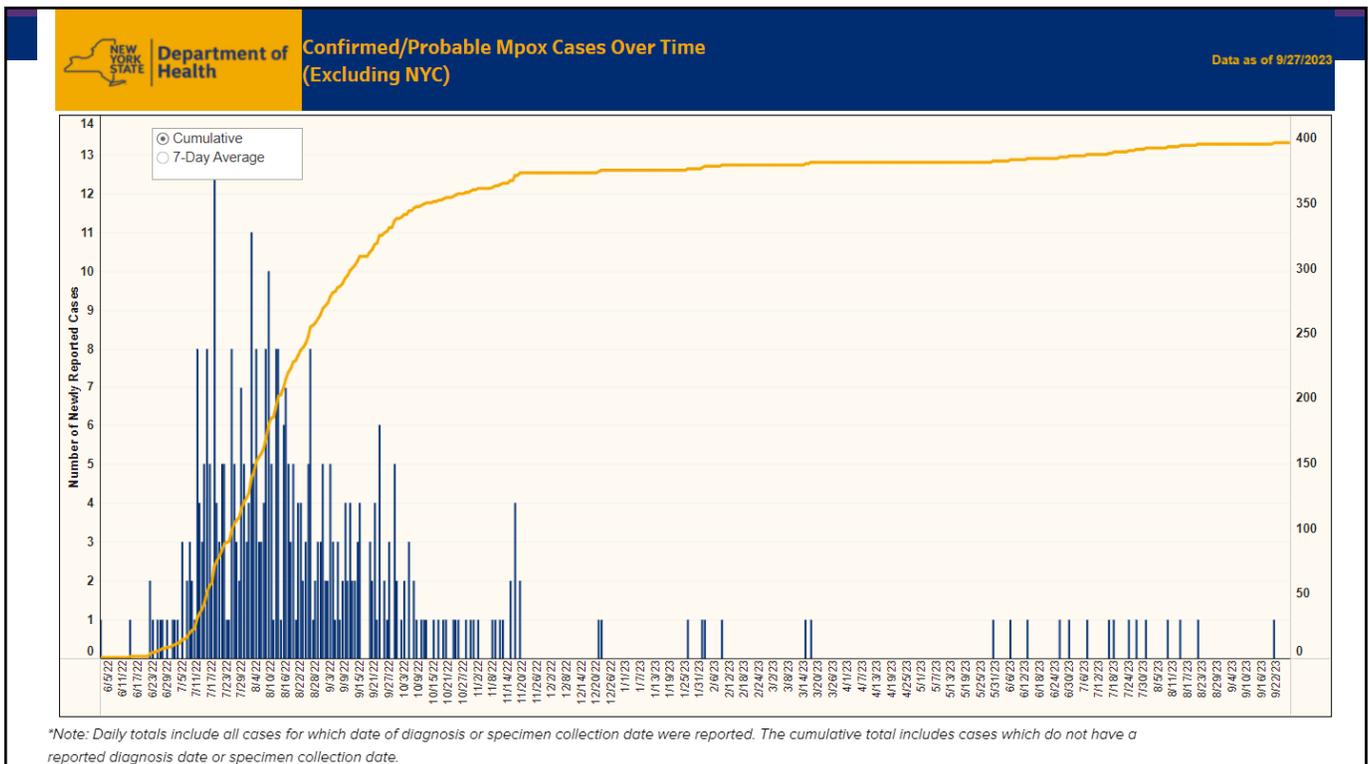
Information on this webpage:

- “What to Know”
- “Vaccine Information”
- “Treatments”
- “Provider Information”
- “Data”
- “Social Media Toolkit”





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CDC Mpox Resources

- Mpox webpage: <https://www.cdc.gov/poxvirus/mpox/>
- Interim Clinical Considerations for use of Jynneos and ACAM2000 vaccines during 2022 mpox outbreak:
<https://www.cdc.gov/poxvirus/mpox/clinicians/vaccines/vaccine-considerations.html>
- Jynneos Vaccine Information Statement:
<https://www.cdc.gov/vaccines/hcp/vis/vis-statements/smallpox-monkeypox.pdf>
- June 3, 2022 MMWR with recommendations for use of Jynneos:
<https://www.cdc.gov/mmwr/volumes/71/wr/pdfs/mm7122e1-H.pdf>



Vaccines for Adults Program



Vaccines for Adults Program (VFA)

- Most vaccines routinely recommended for adults by the federal Advisory Committee on Immunization Practices (ACIP) are available through the VFA Program.
- Many local health departments and federally qualified health centers participate in the VFA program to accommodate eligible adult patients. The VFA program continues to enroll new providers as funding permits.
- For more information or to find out if there is a VFA provider in your area, please contact the NYS Vaccine Program at 1-800-543-7468 or email: nyvfc@health.ny.gov



Resources

- NYSDOH Vaccines and Immunization: <https://www.health.ny.gov/prevention/immunization/>
 - NYSDOH Adult Immunization webpage: <https://www.health.ny.gov/prevention/immunization/adult.htm>
- Adult Immunization Schedule: <https://www.cdc.gov/vaccines/hcp/adults/for-practice/adult-recommendations.html>
- Standards for Adult Immunization Practice: <https://www.cdc.gov/vaccines/hcp/adults/for-practice/standards/index.html>
- CDC Adult Vaccination Resources: <https://www.cdc.gov/vaccines/hcp/adults/index.html>
- Immunization Action Coalition: <http://www.immunize.org/>



Resources Continued

- National Adult and Influenza Immunization Summit:
<https://www.izsummitpartners.org/>
- The Pink Book: <https://www.cdc.gov/vaccines/pubs/pinkbook/index.html>
- CDC “How I Recommend” video series:
<https://www.cdc.gov/vaccines/howirecommend/index.html>
- Vaccinate NY immunization resources: <https://www.albany.edu/cphce/vaccinate-ny>
 - Includes section for adult immunizations
 - Strategies for Strong Vaccine Communication live webcast (CE credits available):
https://www.albany.edu/cphce/phl_0720.shtml
 - Vaccine Communication Toolkit: <https://www.albany.edu/cphce/vaccine-communication-toolkit>



Questions??
immunize@health.ny.gov

