Taking a Jab at Cancer Prevention: Closing the HPV Vaccination Gap in New York State

June 9, 2023  |  11:00 -12:30pm

NYSCC
The Consortium in Action
Housekeeping Items

Please mute your line.

Questions will be answered after the panel discussion.

If you have a question, please type it in the Chat Box.

This meeting is being recorded and a link will be e-mailed to everyone who registered.
Welcome
About Us

**Working Together, Reducing Cancer, Saving Lives**

We are New Yorkers from all walks of life who work together to reduce the burden of cancer.

The NYS Comprehensive Cancer Control Plan is a cancer prevention and control roadmap that we use to guide us in our efforts.
Who We Are

Member Affiliations

A2 Associates, LLC
Action to Cure Kidney Cancer
Adelphi NYS Breast Cancer Hotline & Support Program
Albany Medical Center
Albert Einstein College of Medicine
Alliance of New York State YMCAs
American Cancer Society
American Cancer Society Cancer Action Network
American Childhood Cancer Organization
American Lung Association
American-Italian Cancer Foundation
Bassett Healthcare
Ben’s Builders
Breast and Prostate Peer Education a service of Niagara Falls Memorial Center
Breast Cancer Coalition of Rochester
Broome County Health Department
Broome County Health Department
Cancer Patient Support Foundation
Cancer Resource Center of the Finger Lakes
Columbia University
Cortland County Health Department
CUIMC/NYP
Cullari Communications Global
Eastern Niagara Hospital
Erie County Department of Health
Southampton Hospital
Franklin County Public Health
Fulton County Public Health
Gilda’s Club NYC
Glens Falls Hospital
Great Lakes Cancer Care
Herbert Irving Comprehensive Cancer Center
HeritX.org

(Not an exhaustive list)
Action Teams

Join Today!

➢ Learn about the latest updates in state-wide cancer prevention efforts

➢ Promote Plan priorities through webinars, trainings, or workshops

➢ Collaborate with team members to achieve Plan goals and objectives
How to Find Us and Get Involved

Join the Consortium on our Website
nyscancerconsortium.org

Like us on Facebook
NYS Cancer Consortium

Follow us on Twitter
@NYSCancer
NYSCC Presents: The Consortium in Action

Upcoming Meeting Dates
11:00am-12:15pm

- **September 27, 2023:** Lung Cancer Screening Action Team
- **December 14, 2023:** Survivorship and Lifestyle Behaviors Action Team
- **March 12, 2024:** Environmental Carcinogen Action Team
NYSCC E-Blast

A bi-monthly e-newsletter created by and for Consortium Members

Topics Include;

➢ Health Equity Articles
➢ Consortium Action Team Topics
➢ Meetings and Trainings of Interest

And more!

CONSORTIUM NEWS/UPDATES

Quarterly Member Meeting Series: The Consortium in Action

Join us for our Consortium in Action kick off beginning June 9th. This member meeting will be presented by the HPV Coalition.

Register Here

➢ September 27, 2023
  The Lung Cancer Screening Action Team Presents
  Register Here

➢ December 14, 2023
  The Survivorship and Lifestyle Behaviors Action Teams Present
  Register Here

➢ March 12, 2024
  The Environmental Carcinogen Action Team Presents
  Register Here

April is Minority Health Awareness Month

Health equity and human rights

Nearly half the world’s population falls short when it comes to a full range of essential cancer-related health services.

The Union for International Cancer Control and NYS Department of Health Deputy Commissioner, Johanne Morné, Office of Health Equity and Human Rights, dig deeper into social determinants of health and how they relate to cancer.

Click here to listen to this podcast.
Taking a Jab at Cancer Prevention: Closing the HPV Vaccination Gap in New York State
The NYS HPV Coalition

The New York State HPV Coalition is an action team of the New York State Cancer Consortium made up of 17 state and regional health organizations dedicated to improving HPV vaccination rates. This presentation will review the relationship between HPV and cancer and ongoing initiatives of the Coalition, including the recently-launched Start at 9 campaign.
Presenters

**Manika Suryadevara, MD, FPIDS** is an Associate Professor of Pediatrics in the division of pediatric infectious disease at Golisano’s Children’s Hospital in Syracuse, NY, where she provides medical care to children in both the inpatient and outpatient settings. Her primary work includes the design, development, and implementation of a unique program on immunization advocacy, with a focus on improving provider vaccine confidence, vaccine communication strategies, and vaccine delivery practices, with a specific focus on improving HPV vaccine coverage rates.

**Ashley Stephens, MD** is a pediatrician and researcher at Columbia University Irving Medical Center as well as the Associate Medical Director for the New York-Presbyterian Hospital Immunization Registry, EzVac. Her current research involves improving vaccine uptake through quality improvement programs as well as examining caregiver and adolescent attitudes and beliefs about vaccines. She received her medical degree from Drexel University College of Medicine and completed her pediatric residency at Mount Sinai Medical Center. She is a fellow of the American Academy of Pediatrics.

**Julianne Borrelli, MPH, MSSW** is the Associate Director, Community Partnerships at the American Cancer Society in New York City. She engages and supports FQHC, CHC, and CBO partners through collaborations and offering resources to improve the lives of patients with cancer and their families. She also provides technical assistance to encourage implementation of evidence-based interventions with partners to increase HPV vaccination and cancer screening rates. Julianne received her MPH and MSSW from Columbia University with a focus on health promotion and social policy, respectively.
Objectives

1. Explain the relationship between human papillomavirus (HPV) vaccination and cancer prevention.

2. Discuss the rates of HPV-related cancers, HPV vaccination rates, and disparities across New York State.

3. Describe the mission and structure of the NYS HPV Coalition and strategies identified by the Coalition to improve HPV vaccination rates across the state.

4. Explain the current Start at 9 campaign to encourage providers to start HPV vaccination at age 9.

5. Identify ways to get involved with the NYS HPV Coalition.
HPV Prevalence and Impact

The science
What is HPV?

Human Papilloma Virus

- >150 types
- About 15 types cause cancer
- VERY common
Most people will be infected with HPV

8 out of 10 people have HPV at some time in their lives

Men and women are at risk

Most people do not know they are infected

You can develop symptoms years after you are infected
Persistent HPV Infection Can Lead to Cancer

Prevention is key!
HPV-Related Cancer Incidence in New York State

Source: NYS DOH. 2019

Approximately 2800 New Yorkers are diagnosed with an HPV-related cancer every year
>1 Million Women Affected Each Year in the US

> 1 million new cases of low-grade cervical dysplasia

> 200,000 new cases of high-grade cervical dysplasia (also known as “pre-cancer”)
HPV-Related Oropharyngeal Cancer

• 13,500 cases annually, 11,300 in men
• Has surpassed cervical cancer as the **most common HPV-related cancer**
• HPV-related cancers have more than doubled in the past three decades
• Rise in incidence and changing patient demographics due to HPV
• **No screening test**
  – No endpoint in clinical trials
  – Late stage diagnosis
HPV Vaccination Effectiveness
Higher effectiveness with vaccination at younger ages

% Reduction in cervical dysplasia 5 years after vaccination, by age at vaccination

Source: Gertig DM, BMC Med 2013
Recommended 2-Dose Series under age 15

Non-inferior geometric mean antibody titers (GMT)
2-dose girls/boys 9-14 years vs. 3-dose women 16-26 years

Source: Luxembourg, presented at February 2016 ACIP
Data from 1 month after the last dose
Declines in Prevalence of HPV Vaccine-Type Infection Among Females after Introduction of HPV Vaccine — United States, 2003–2018
Decline in Anogenital Wart Prevalence 2006-2014

(Female and Male graphs showing prevalence per 1000 Person-Years by age groups and total aged 15-39 y.)
Australia set to eliminate cervical cancer by 2035

HPV Vaccination Completion Rate (F) = 80.2%

Source: Ko et al
Swedish Study of Invasive Cervical Cancer

- Followed over 1.5m girls and women from 2006-2017
- Those vaccinated especially before age 17 had much lower cervical cancer rates

Source: Lei et al
HPV Vaccination in New York State
State Average for on-time HPV vaccine completion is only 40%

Source: NYSDOH Prevention Agenda Dashboard, NYSIS and CIR data as of 10/22
NIS Teen: New York vs US Trend

Up-to-Date HPV Vaccination Coverage by Year among Adolescents Age 13-17 Years, National Immunization Survey-Teen
NIS-teen data 2006-2019

- 71.5% initiated series
- 54.2% completed series
- 13-17 years old

HPV Vaccine Series Completion Among 13-year-old Adolescents by County, 2022

Counties in blue and green have the lowest on-time HPV vaccination completion rates.
What We Know:

- HPV exposure is ubiquitous
- HPV causes 6 types of cancers
- HPV vaccine is very safe
- HPV vaccine is very effective
- Not enough kids are being protected

How can we increase the number of OUR patients who are protected on time?
HPV Vaccination is Cancer Prevention:

*Don’t Wait to Vaccinate!*

“Start at 9”
Recommended Vaccination Schedule Guideline

On Time
AGE 9-12
2 Doses
6-12 months apart

Late
AGES 13-14
2 Doses
6-12 months apart

Critical
AGES 15-26
3 Doses
1st dose at visit one
2nd dose 1-2 months later
3rd dose 6 months after 2nd
# 2023 Recommended Immunizations for Children 7–18 Years Old

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### CATCHING UP ON MISSED CHILDHOOD VACCINATIONS

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### ONLY IN PLACES WHERE DENGUE IS COMMON — MUST have a laboratory test confirming past dengue infection

- Dengue
- Dengue

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### FOOTNOTES

**COVID-19**: Number of doses recommended depends on your child’s age and type of COVID-19 vaccine used.

**Flu**: Two doses given at least 4 weeks apart are recommended for children age 4 months through 8 years of age who are getting an influenza vaccine for the first time and for some other children in this age group.

**HPV**: Ages 11 through 12 years old should get a 3-shot series separated by 6 to 12 months. The series can begin at 9 years old. A 3-shot series is recommended for those with weakened immune systems and those who start the series after their 15th birthday.

### ADDITIONAL INFORMATION

1. If your child misses a shot, ask your child’s doctor as soon as possible to see when the missed shot can be given.
2. If your child has any medical conditions that put them at risk for infection or is traveling outside the United States, talk to your child’s doctor about additional vaccines that they may need.

Talk with your child’s doctor if you have questions about any shot recommended for your child.

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For more information:
- Call toll-free: 1-800-CDC-INF (1-800-232-4636)
- Visit: cdc.gov/vaccines/parents

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American Academy of Pediatrics
Centers for Disease Control and Prevention
American Academy of Family Physicians
what we know

1. On Time Vaccination
   - robust response
   - only 2 doses needed

2. BARRIERS TO VACCINATION
   - associating HPV and sex
   - multiple vaccines at once

3. FACILITATORS OF VACCINATION
   - HPV vaccine for cancer prevention
WHAT WE CAN DO

Start vaccine series at 9-10 yrs

supported by

AMERICAN ACADEMY OF PEDIATRICS

AMERICAN CANCER SOCIETY

NATIONAL HPV ROUNDTABLE
Evidence

For more information on starting at 9 go to https://hpvroundtable.org/hpv-vaccination-starts-at-9/

HPV Vaccination Starting at Age 9 article compilation by Drs. Oliver and Perkins
Vaccine completion by 13.5 years based on age vaccine series started

- Starting at 9-10 years: 97.5%
- Starting at 11-12 years: 78%

QI Study

EMR alerts at 9 years

Cancer prevention focus

Incentives

Provider feedback

DOSE HPV QI PROGRAM

Recruited 5 pediatric and family medicine practices

Provider focused, multi-level program

All practices chose to vaccinate at 9-10 years

Vaccine uptake among 9-10 yrs
- Increased by 13% points during intervention
- Sustained increase reached 27% points after intervention

Percent HPV vaccination series completion by 13 years of age among proactive and routine initiators enrolled in the privately insured and publicly insured databases

Kunal Saxena, Niranjan Kathe, Poorva Sardana, Lixia Yao, Ya-Ting Chen & Noel T. Brewer (2023) HPV vaccine initiation at 9 or 10 years of age and better series completion by age 13 among privately and publicly insured children in the US, Human Vaccines & Immunotherapeutics, 19:1, https://www.tandfonline.com/doi/pdf/10.1080/21645515.2022.2161253
National survey of primary care professionals

1 in 5 already giving HPV vaccine at 9-10 years

~ 50% willing to recommend vaccine at 9 years

Protect them from serious diseases including HPV cancers, meningitis, tetanus, whooping cough, flu, and COVID-19.

**AGES 9 - 10**
- HPV dose 1 (human papillomavirus)
- HPV dose 2 (6 - 12 months after dose 1)

**AGES 11 - 12**
- Meningitis dose 1 (MenACWY)
- Tdap (tetanus, diphtheria, pertussis)
- HPV (if 2 doses haven’t been given)

**AGE 16**
- Meningitis dose 2 (MenACWY)
- Meningitis B series (MenB)

**YEARLY**
- Flu (seasonal influenza)

Preteens and teens should stay up-to-date with COVID-19 vaccine to help protect them from COVID-19.
AAP and the National HPV Roundtable cite the following reasons for starting at age 9:

- Offers more time for completion of the series by the age of 13
- Results in a strong immune response to the HPV vaccine
- Increases the likelihood of vaccinating prior to first HPV exposure
- Decreases questions about sexual activity by parents and guardians
- Decreases requests for only vaccines that are “required” for school
- Decreases the number of administered shots per visit
- Increases vaccinations and therefore the number of cancers prevented
- Has been shown by several systems to increase vaccination rates
- Has been shown to be highly acceptable to systems, providers, and parents
SUMMARY

- HPV vaccine is safe and effective in preventing HPV-associated cancers
- Initiating HPV vaccine series at 9-10 years
  - Supported by AAP, ACS, National HPV Roundtable
  - Already being done by many primary care providers
  - Increases vaccine acceptance, vaccine completion by 13 years
- Strong presumptive vaccine recommendation at each medical visit
- Ask your organization to endorse starting at age 9

www.nyshpv.org
MISSION

• Created in 2017 as an action team of the New York State Cancer Consortium, led by NYSDOH

• To increase human papilloma virus (HPV) vaccination rates and decrease HPV-related cancer in New York State through education, coordination, advocacy, and leadership.
GOALS

To increase HPV vaccine series completion rates to 45% among 13-year-old adolescents in NYS by 2026.

• Baseline: HPV vaccine completion rates among 13-year-olds are 39.8% (NYSIIS and CIR, 2020).

To increase the HPV vaccine series completion rates to 80% among NYS adolescents ages 13-17 years by 2026.

• Baseline: HPV vaccine completion rates are 66.4% per the 2021 NIS-Teen data. This objective is aligned with the National HPV Vaccination Roundtable goal.
Steering Committee

- American Academy of Pediatrics, NYS
- Academic Pediatric Association
- American Cancer Society/ACS Cancer Action Network
- American College of Obstetricians and Gynecologists, District II
- Community Health Care Association of NYS
- Medical Society of the State of New York
- Columbia University Irving Medical Center
- Montefiore Medical Center
- New York State Academy of Family Physicians
- New York State Association of County Health Officials
- New York State Cancer Consortium
- New York State Department of Health
- New York Health Plan Association
- New York State Public Health Association
- New York City Department of Health and Mental Hygiene
- Nurse Practitioner Association New York State
- Roswell Park Comprehensive Cancer Center
NYS HPV Coalition

STRUCTURE

Steering Committee

Provider Education

HPV vax Equity Action Team (HEAT)

Public Education

NYS HPV Health Plan Workgroup

NYS HPV Coalition General Membership
Past and Future Activities

2018-2022
• Trainings with AAP and AFP
• HPV Provider Report Card
• HPV Honor Roll Awards
• Provider Webinars
• Digital Ad campaigns
• NYS Legislative Education
• NYS HPV ECHO Series

2023-2026
• Partnerships with medical societies (AAP, AFP etc.)
• Statewide HPV Vaccination Summit
• Pharmacist education on vaccinating 18+
• Developing MOC4 initiative
• **Start at 9 HPV Vaccination Campaign**
NIS-Teen Shows significant increase in NYS

Up-to-Date HPV Vaccination Coverage by Year among Adolescents Age 13-17 Years, National Immunization Survey-Teen

- Baseline
- NYS HPV Coalition Formed
- Pandemic began

Coverage %

Survey Year

55.7% in 2016 to 66.4% in 2021
Increase of 10.7 percentage points
NYS HPV Coalition Objectives

1. Identify priority populations at risk for HPV under-vaccination
2. Increase HPV vaccination equity among priority populations via tailored interventions
3. Increase the number of providers that are discussing or recommending HPV vaccination starting at age 9
4. Increase the number of providers that adopt standing orders and/or reminders to reduce missed opportunities
5. Increase the number of retailers that are promoting HPV vaccination to their customers
Pharmacist Training

• Training of pharmacists at State/Reg. Conferences or Summits
• Webinars
• Meeting with CPANYS and Pharmacy Chains to encourage HPV vaccine promotion and trainings
Pediatric Society Meetings

• Education of pediatricians on benefits of starting at age 9
• Identification of strategies to increase vaccination rates (standing orders, reminders, etc.)
HPV Health Plan Project

- ACS and Clinical Champions meet with health plan Medical Director and/or QI staff to promote HPV QI
- Use a group letter promoting starting at 9 to get plans to adopt an HPV vax standard of care
- Follow up with appropriate materials and guidance
- Manage a health plan workgroup
- Develop and administer a plan survey
HPV Vaccination Equity Project

• Develop key informant survey instrument
• Pilot survey instrument and amend as needed
• Develop tailored messages and materials/content targeting parents
• Create a strategy and collateral if needed for providers who see the target audience
• Encourage providers in target areas to implement start at 9 via county meetings and outreach
• Train community partners in HPV vaccination messaging to parents in under-vaccinated communities
NYS HPV Vaccination Summit

- Workgroup breakout sessions to brainstorm objectives for new action plan
- Educational sessions on starting vaccination at age 9
- Develop messaging for engaging non-clinical partners on importance of HPV vaccination
- Identify populations of interest for vaccine equity interventions
- Networking session among members
- Perform new/updated SWOT analysis
• Education of pediatricians on benefits of starting at age 9
• Review of strategies to increase vaccination rates (standing orders, reminders, etc.)
• Sharing of tools to facilitate implementing the strategies in their practice
Year 1 Priorities: Information Gathering

- Collect data to better describe priority populations (health equity project)
- Partner with and educate pharmacists (pharmacist training)
- Plan 2024 Vaccination Summit
- Plan for and begin implementing activities to reach priority populations (health equity project)
- Apply for funding
- Enhance Coalition communications
Year 2 Priorities: Strengthening Partnerships

- Initiate and expand new projects to better reach priority populations via health systems and community stakeholders (HPV Vax equity project; MOC project; health plan project)
- Implement NYS HPV Summit
- Increase the number of partnerships to engage priority populations (pediatric society meetings; health equity project; pharmacist training)
- Expand targeted digital advertising and social media messaging
Year 3 Priorities: Planning Ahead

• Continue ongoing Coalition initiatives such as HPV Provider Report Cards, HPV Honor Roll Awards, and targeted provider education

• Implement any new strategies or collaborations that grow out of the state summit and health equity project

• Initiate a new policy workgroup to identify and support priority policy changes
Please sign up as a member @ www.nyshpv.org

HPV Vaccine is Cancer Prevention

New York State HPV Coalition

The New York State HPV Coalition is a group of organizations and individuals dedicated to increasing HPV vaccination and the prevention of HPV-related cancers and other diseases caused by HPV.
NYS “Start at 9” Supporters to Date

- American Academy of Pediatrics – NY
- Academy of Family Physicians – NY
- American Cancer Society
- Empire Blue Cross Blue Shield HealthPlus
- Independent Health
- Capital District Physicians Health Plan (CDPHP)
- North County Family Health Center
- Upstate Golisano Children’s Hospital
- Erie County Medical Center
- Great Lakes Cancer Care Collaborative
- St Lawrence County Health Initiative
- HEALTHeLINK
- Stony Brook Medicine
- Ovarian Cancer Project
- Gilda’s Club Westchester
- Suffolk County Department of Health Services
- Putnam County Department of Health
- Erie County Department of Health
- Green County Department of Health
- NYS Association of County Health Officials
- Columbia Comprehensive Cancer Center
- New York City Health and Hospitals
- Latino Commission on AIDS
- Hispanic Health Network
- Latino Religious Leadership Program
- Catholic Health Cancer Institute
- UR Medicine/Golisano Children’s Hospital
- Accountable Health Partners
- HPV Cancers Alliance
- New York State Public Health Association
- Caleb’s Feet Foundation
- Genesee and Orleans County Health Departments
- The Nurse Practitioner Association New York State
- New York School Based Health Alliance
- Westchester Medical Center
- Bassett Healthcare Network
- Jefferson County Department of Health
- Orange County Department of Health
- Westchester Department of Health
- Fulton County Department of Health
- Family Care Medical Group
- Community Healthcare Association of New York State
Provider letter sent to supporting health organizations in May for distribution to their networks.
How to endorse Start at 9

• Go to www.nyshpv.org

• Start at 9 - www.nyshpv.org/856-2

• Send your logo to Michael.Seserman@cancer.org
Post-Meeting Poll
Question & Answer
Thank you for Attending

cancerconsortium@health.ny.gov