

Children's National
and the
Pediatric Health Network
COVID-19 Update
January 6, 2022

Introduction and Welcome

Ellie Hamburger, M.D.
Medical Director
Pediatric Health Network



Notes About Today's Town Hall:

- All lines are muted throughout the presentation.
- Please use the Q&A to ask questions or make comments.
- We will be recording the session.
- Today's recordings and materials will be posted to the Children's National website and the Pediatric Health Network website following the presentation.
 - [ChildrensNational.org](https://www.ChildrensNational.org)
 - [PediatricHealthNetwork.org](https://www.PediatricHealthNetwork.org)

AGENDA

Situational Update

Roberta DeBiasi M.D., M.S., Chief of Infectious Diseases

Caring for Hospitalized COVID Patients

Susan Walley, M.D., Chief of Hospital Medicine

A View from the ED

Joelle Simpson, M.D., Chief of Emergency Medicine

Immunization Update & Office Coding Tips

Claire Boogaard, M.D., MPH, Medical Director COVID-19 Vaccine Program

COVID-19 Situational Update

Roberta L. DeBiasi, M.D., M.S.

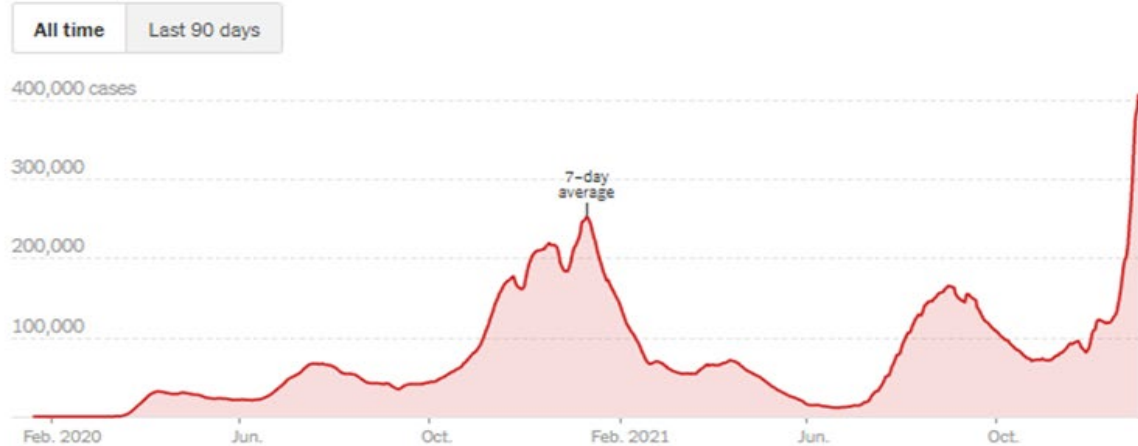
Chief, Division of Pediatric Infectious Diseases
Children's National Hospital/Children's National
Research Institute

Professor of Pediatrics and Microbiology, Immunology
and Tropical Medicine
The George Washington University School of Medicine
and Health Sciences



United States 14-day New Case Trend - As of January 3, 2021

New reported cases



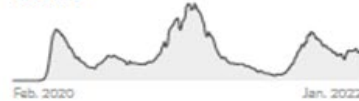
Tests



Hospitalized



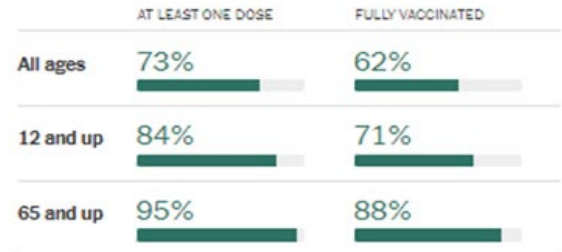
Deaths



DAILY AVG. ON JAN. 2 14-DAY CHANGE TOTAL REPORTED

Cases	405,470	+204%	55,137,148
Tests	1,726,592	+22%	—
Hospitalized	93,322	+35%	—

Vaccinations



[See more details](#)

[About this data](#)

State of the virus

Update for Dec. 30

- The United States is averaging more than 300,000 new cases a day for the first time in the pandemic. Hospitalizations are growing at a much slower rate than cases.
- Urban areas in the Northeast are seeing explosive case growth. In [Washington, D.C.](#), reports of new infections are up about 800 percent over the last two weeks. In [New York City](#), new cases have increased 600 percent.
- The [Colorado](#) counties that include the ski

Global, National and Local as of January 3, 2021 – 7 day trend

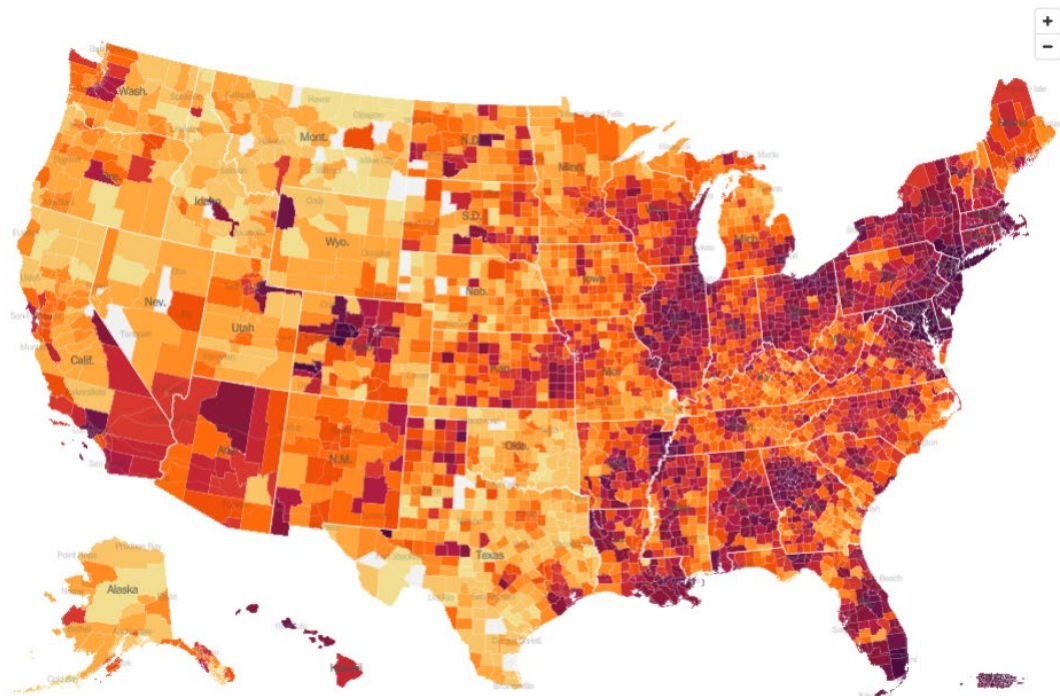
	Global	US	DC/MD/VA	Greater DC Region Only
Total Cases	290,851,926	55,134,881	1,950,241	746,501
Percent Change (since last week)	87.7%	102.2%	78.5%	72.9%
Total Hospitalizations		3,699,203	139,998	
Percent Change (since last week)		30.7%	64.3%	
Total Deaths	5,462,340	824,425	28,668	8,926
Percent Change (since last week)	-2.8%	-6.0%	56.6%	66.9%
Case Fatality Rate (7 day average)	0.4%	0.3%	0.6%	0.1%
New Cases Per 100K (7 day average)	17.6	126.2	146.6	265.0
Test Positive Rate (7 day average)		22.1	27.9	26.6



US Hotspots – as of Jan 3rd, 2022

Hot spots

AVERAGE DAILY CASES PER 100,000 PEOPLE IN PAST WEEK
 10 30 50 70 100 200 FEW OR NO CASES



US Overall Case Rate(per 100K)
122 (204% increase)

Highest Case Rate States (per 100K)

- **New York = 318 (283% increase)**
- **DC = 298 (485% increase)**
 - **Second highest in nation**

Other Local Case Rates

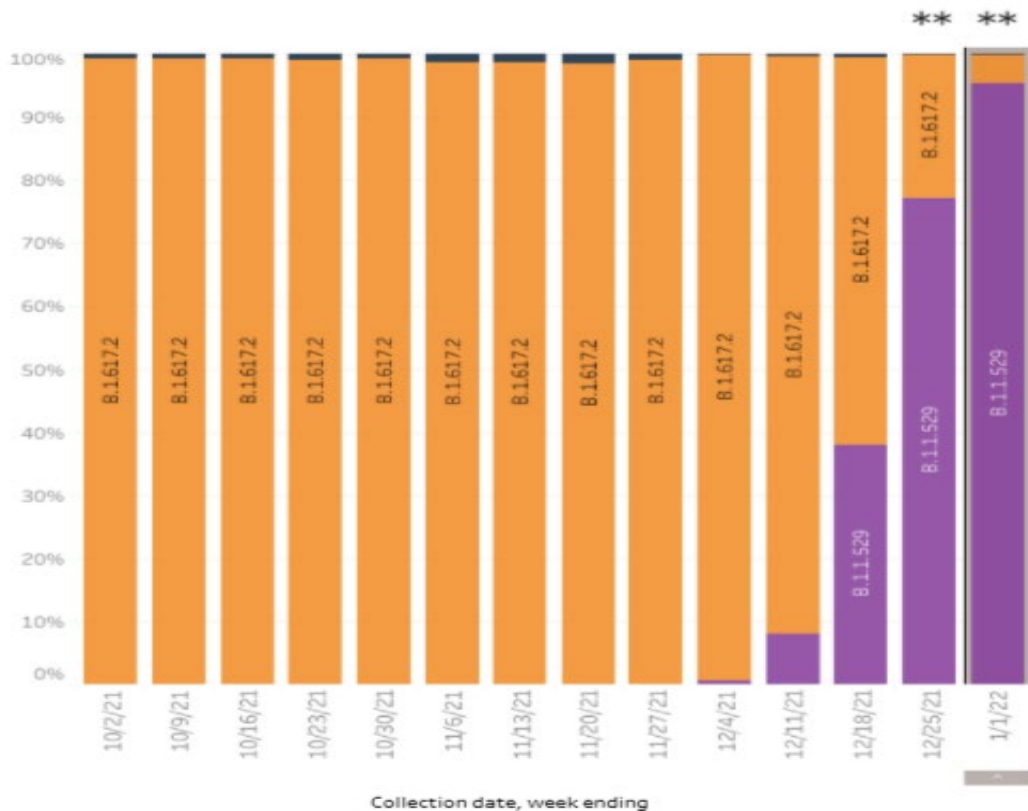
- **Maryland = 174 (687% increase)**
- **Virginia = 116 (258% increase)**



SARS-CoV-2 Variant Proportions in US through Jan 1, 2022

Omicron now 95% of Isolates

United States: 9/26/2021 – 1/1/2022



United States: 12/26/2021 – 1/1/2022 NOWCAST

USA				
WHO label	Lineage #	US Class	%Total	95%PI
Omicron	B.1.1.529	VOC	95.4%	92.9-97.0%
Delta	B.1.617.2	VOC	4.6%	2.9-7.0%
Other	Other†		0.0%	0.0-0.1%

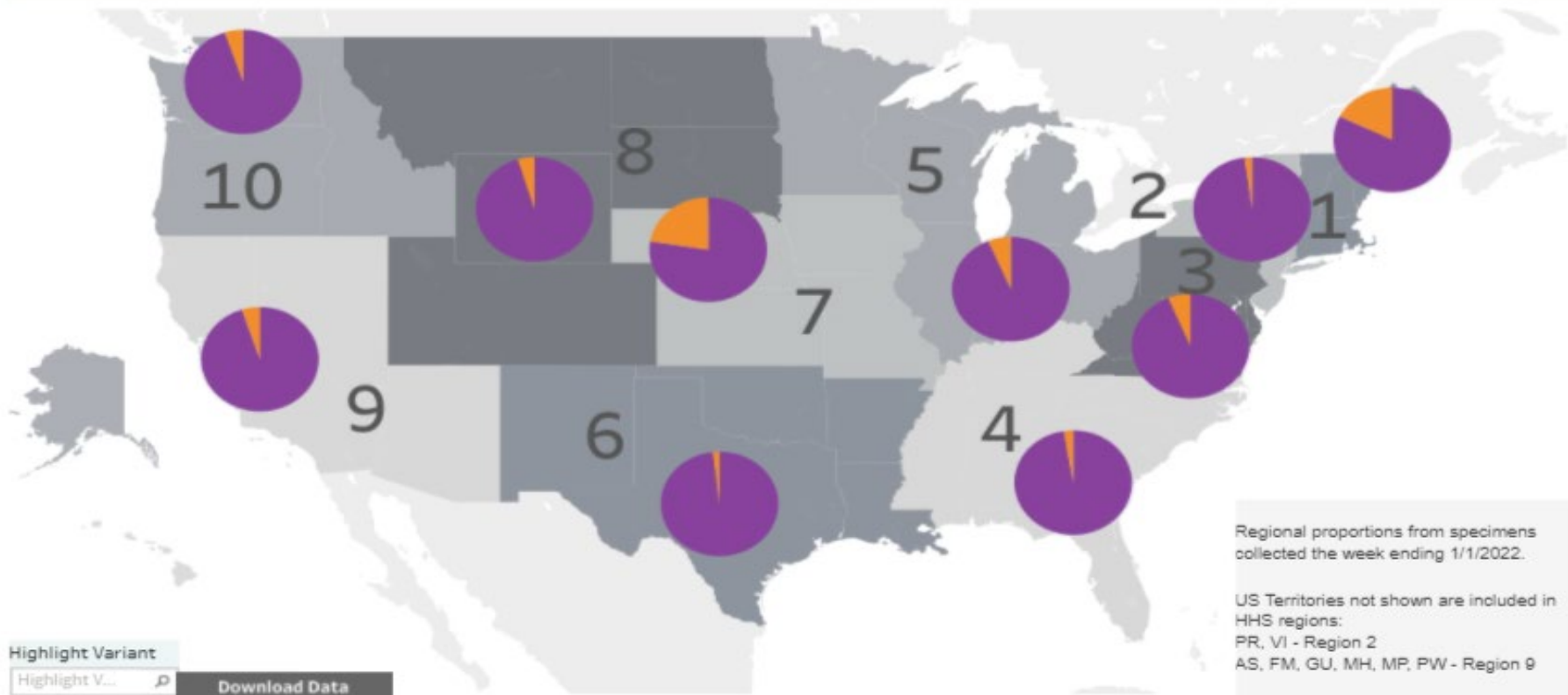
* Enumerated lineages are US VOC and lineages circulating above 1% nationally in at least one week period. "Other" represents the aggregation of lineages which are circulating <1% nationally during all weeks displayed.

** These data include Nowcast estimates, which are modeled projections that may differ from weighted estimates generated at later dates.

† AY.1-AY.127 and their sublineages are aggregated with B.1.617.2. BA.1, BA.2 and BA.3 are aggregated with B.1.1.529.

Omicron Proportions by US Region through Jan 1, 2022

United States: 12/26/2021 – 1/1/2022 NOWCAST



Highlight Variant

Highlight V...

Download Data

Children and COVID: AAP/CHA data as of December 30, 2021 (Includes Omicron)

- Cases
 - 7.9 million cumulative child COVID-19 cases reported
 - Children represent **17.4%** of all cases cumulatively
 - Children represent 17.7% of cases in past week
 - down from **25.1%** of all cases 2 weeks ago
- Hospitalizations:
 - Children still represent only up to **4.0 %** of all COVID hospitalizations
 - **0.1-1.6%** of pediatric cases resulted in hospitalization
- Deaths
 - <0.25% of COVID deaths are in children
 - <0.05% of COVID cases in children result in death



Children's National COVID-19 and MIS-C: March 15, 2020- January 4, 2022

COVID

Cumulative **7023** COVID+ symptomatic patients

- **100-200** new COVID+ symptomatic patient tests per day
- 48% Test Positivity - New record highs
- **8-19** new COVID+ admissions per day in past 2 weeks
- Cumulative **1088** COVID+ patients admitted
 - 333 (31%) critical care (294 PICU, 39 NICU)
 - 755 (69%) acute care
- Current census COVID+ = **48** (3 NICU, 10 PICU, 35 Acute)
- Peak COVID + census was **56** earlier this week



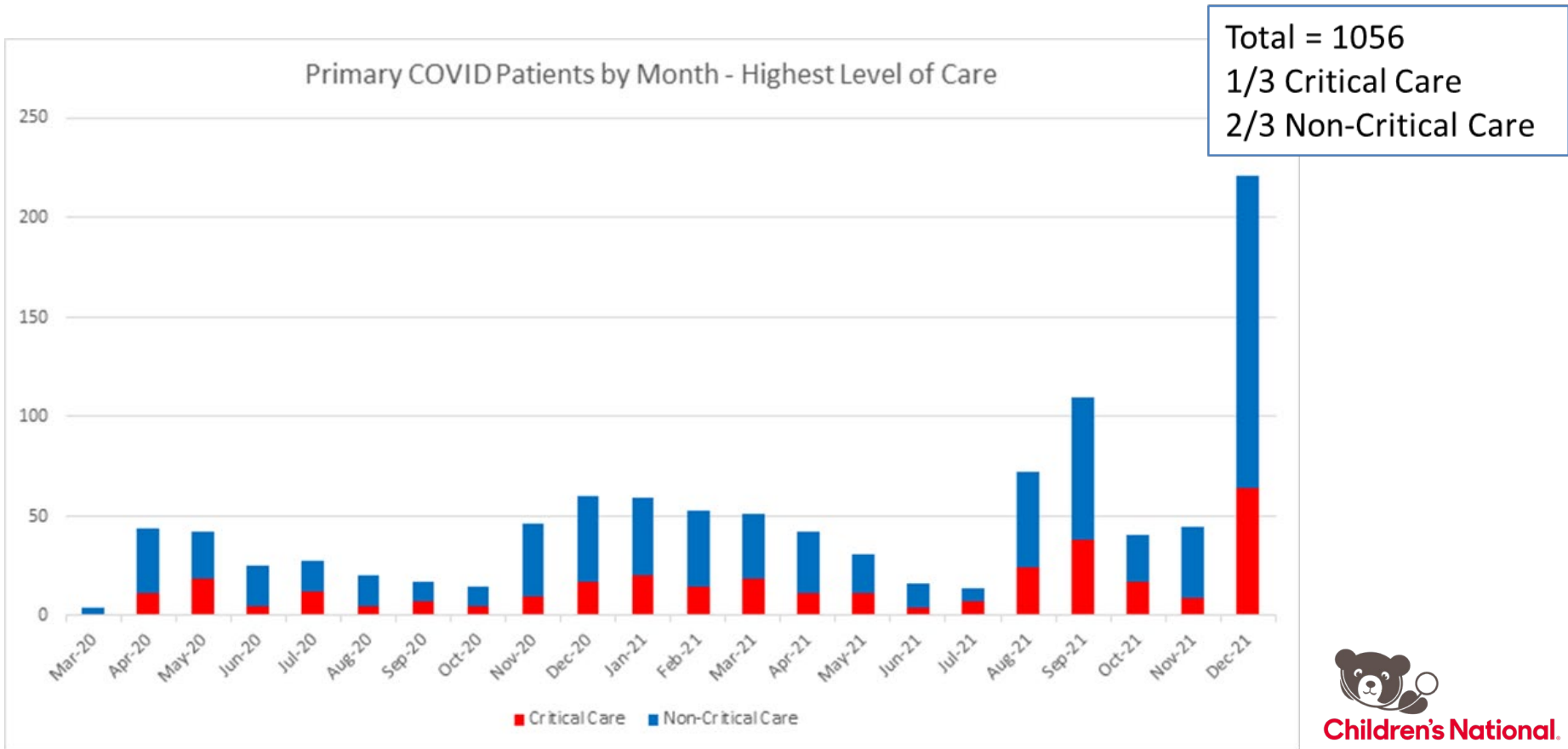
MIS-C

- MIS-C: 210 cumulative – no Omicron-related surge noted yet

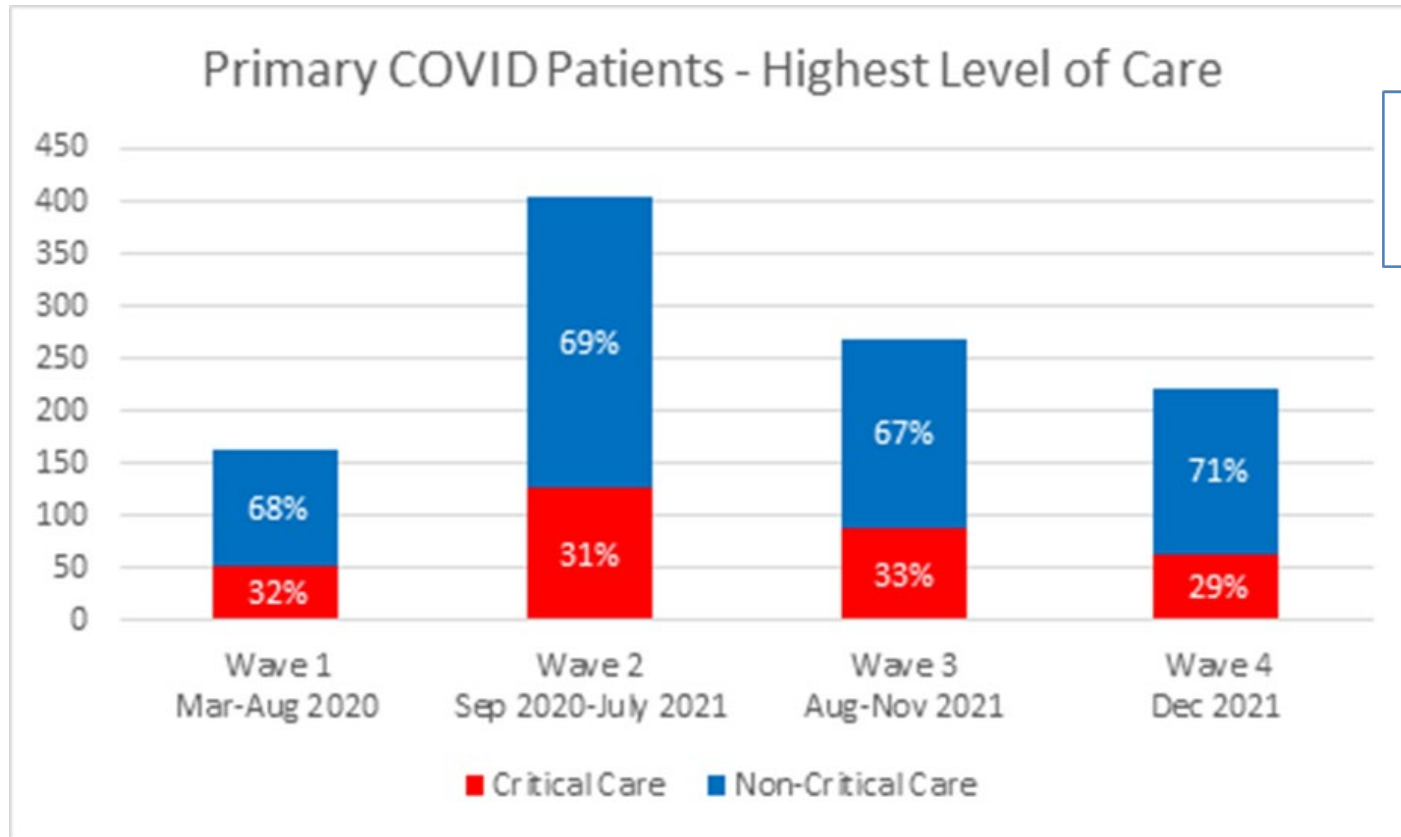
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Children's National Timeline of COVID Admissions by Month – March 2020 to Dec 2021

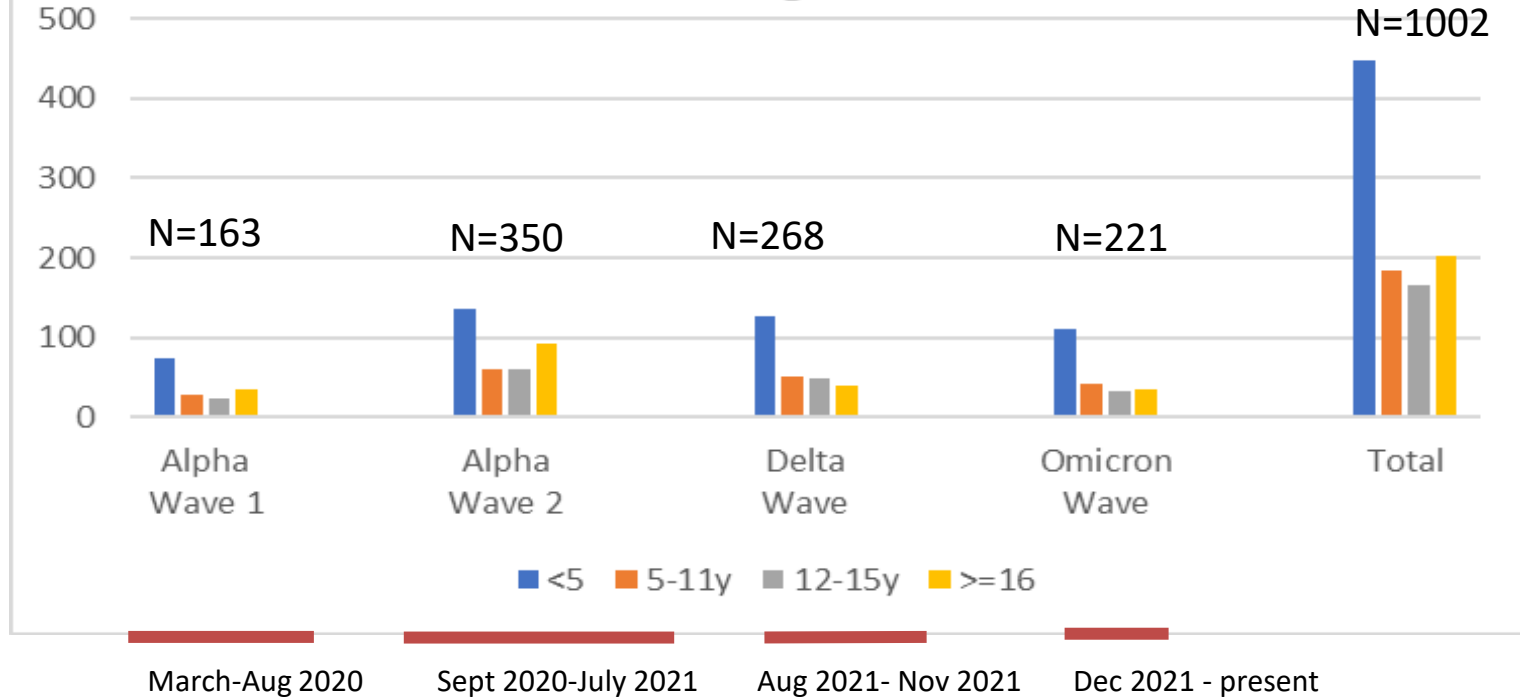


Children's National Timeline of COVID Admissions by Wave: March 2020 – Dec 2021



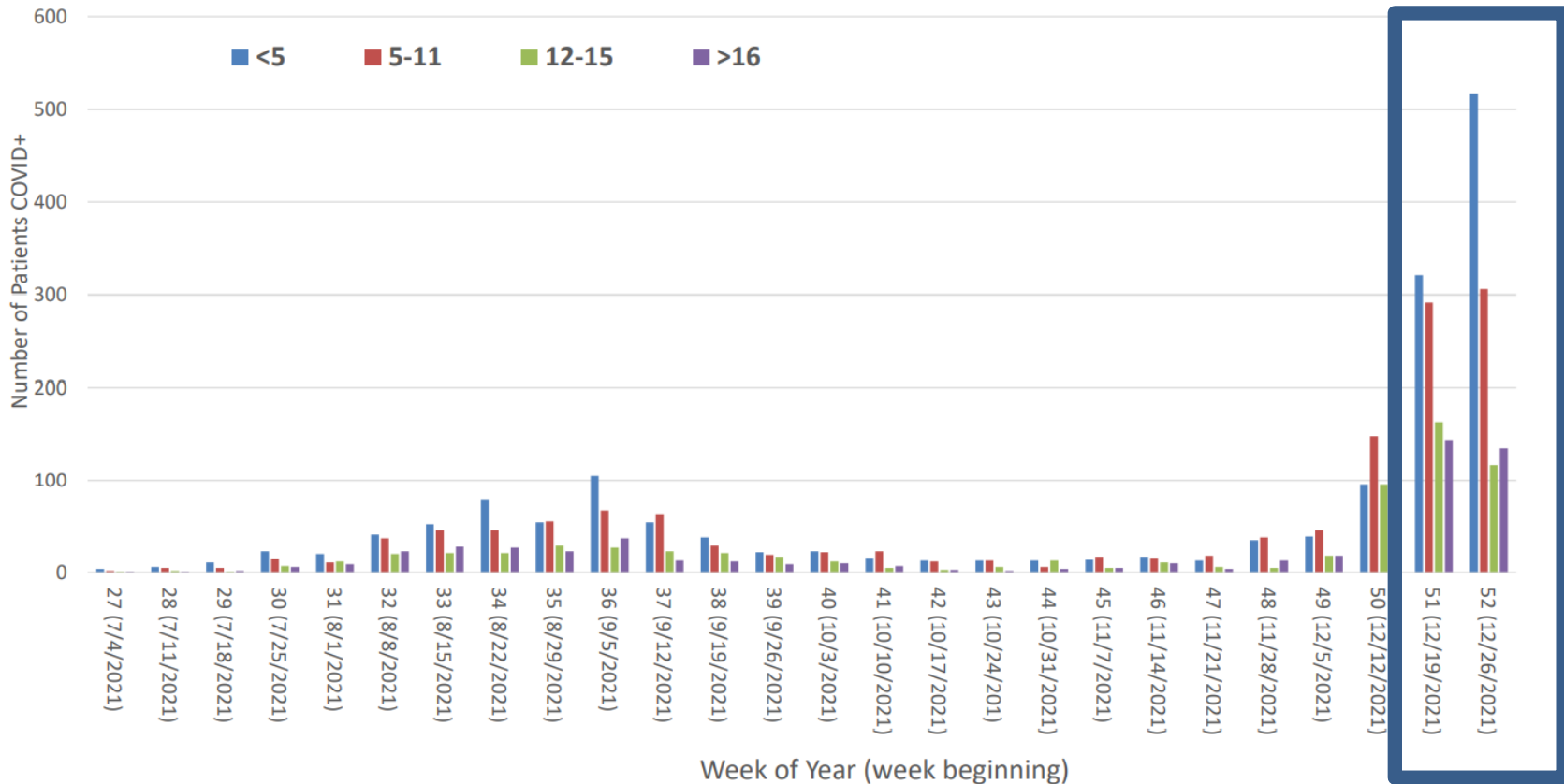
Total = 1056
1/3 Critical Care
2/3 Non-Critical Care

Children's National Hospitalizations Four Waves: Age Distribution



CNH Lab-confirmed COVID-19, Delta vs. Omicron (7/4/2021 – 1/1/2022)

Number of Patients Testing Positive By Age Distribution



Omicron Admissions By Age: December 1 – 30, 2021

Youngest age groups make up majority (70%)of hospital admissions

Of 185 pediatric patients admitted to CNH during Omicron Wave:

- Age <5 years = 91 (49.2%)
- Age 5-11 years = 37 (20.0%)
- Age 12-15 years = 27 (14.6%)
- Age >16 = 30 (16.2%)

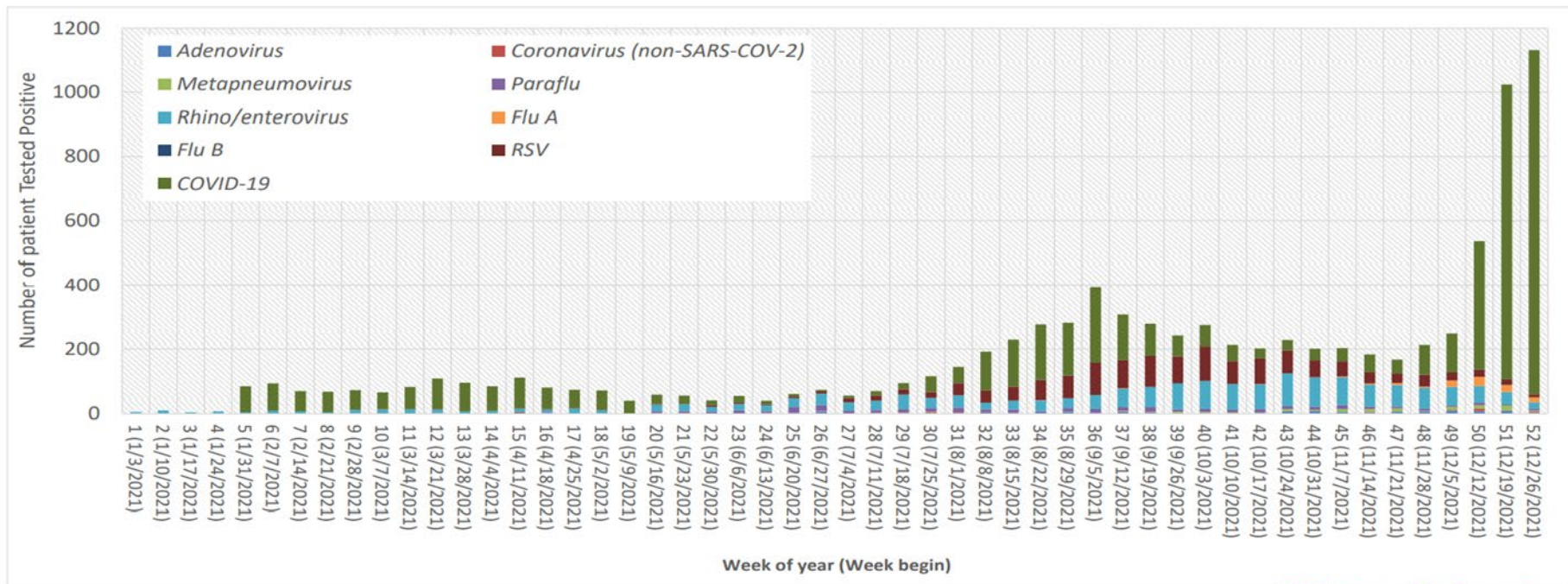
Note

- In US, Age 5-11 age group, **only 14% are fully vaccinated and only 23% have had one dose**(despite eligible since November)
- 0% of <5 years of age are fully vaccinated (not yet eligible)
- In contrast: In the 12–17-year-old group, 53% are fully vaccinated

Children's National Weekly Respiratory Viral Surveillance

Data Courtesy of Dr. Xiaoyan Song; Epidemiology and Infection Control Team

Virus-Specific, 1/3/2021 – 1/1/2022



* If a patient had multiple positive results for the same organism, only the first one is included in this analysis

Pediatric COVID Outcome Study (PECOS)

- Recruiting children less than 22 years old
- 3-year long study; 1,000 participants
- Participants will receive \$40 per visit
- Accepting children with or without COVID-19
- Echo, EKG, Cardiac MRI, PFTs, Chest CT, labs, COVID Antibodies, stool, urine testing, surveys
- ChildrensNational.org/COVIDstudy



Caring for Hospitalized COVID Patients

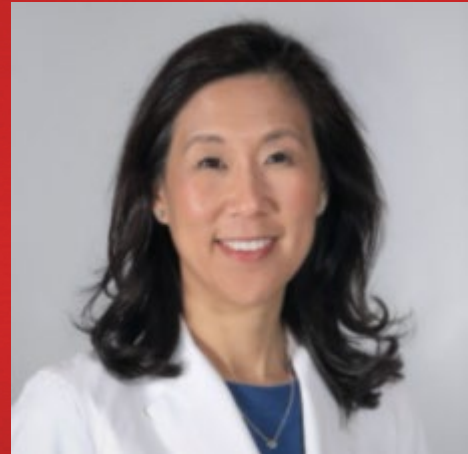
Susan Walley, MD, NCTTP, FAAP

Chief, Division of Hospital Medicine

Professor of Pediatrics

The George Washington University

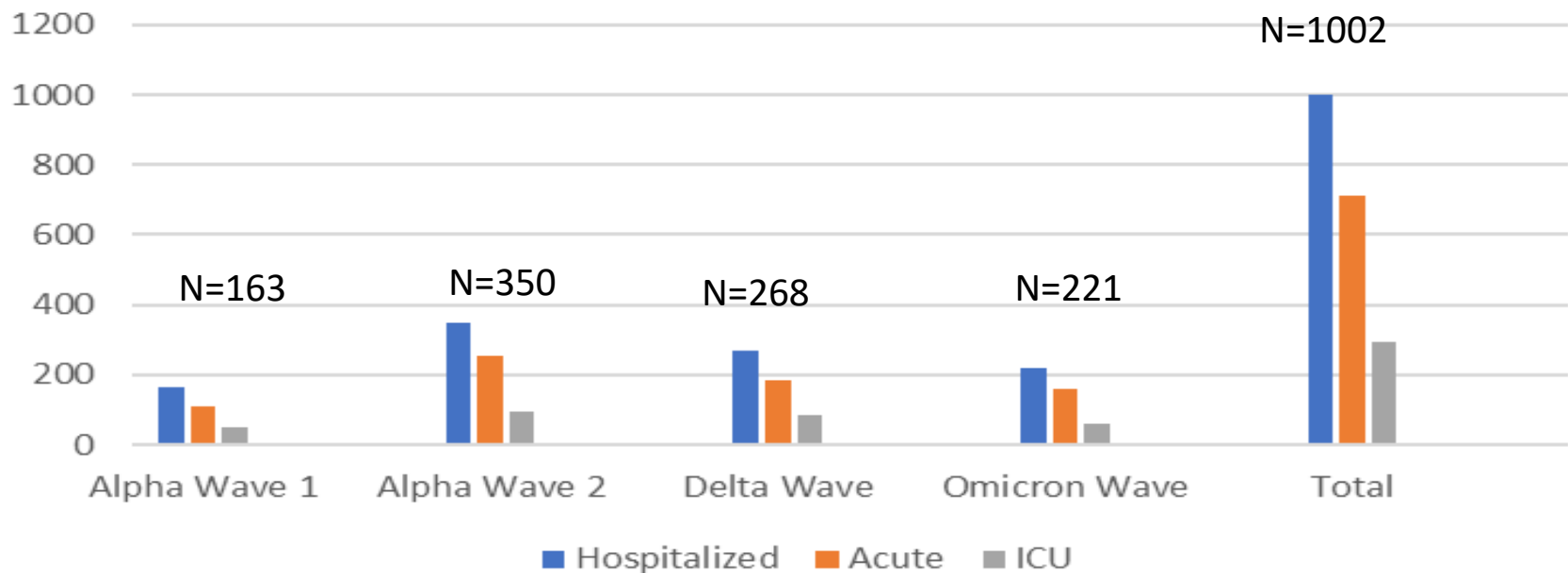
School of Medicine and Health Sciences



COVID Hospitalizations at Children's National: As of January 5th

- CNH hospitalists cared for the majority of the 1102 hospitalized COVID + patients
- COVID+ inpatient census is 52 patients
- Approximately 1/3 require ICU level care (consistent throughout pandemic)

CNH COVID Hospitalizations Four Waves: Level of Care



March-Aug 2020

Sept 2020-July 2021

Aug 2021- Nov 2021

Dec 2021 - present

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The Omicron Wave

- Younger patients (<5 years)
- More upper airway symptoms (i.e. croup)
- At community sites, seeing many COVID+ mothers with newborns testing negative

Being Hospitalized During COVID: What Patients and Families Should Know

- All admitted patients are screened for COVID
- Until the screen returns, the presumption is the patient is COVID+
- For COVID+ patients, only one family member may stay with the patient
- All providers will be wearing a PAPR (powered air purifying respirator) or PPE to protect themselves and others

COVID Hospitalizations: Admission Criteria

- No COVID specific criteria for admission
- Symptom-based criteria for admission similar to other viral illnesses (hypoxemia, dehydration, respiratory distress, stridor at rest)

COVID Hospitalizations: Treatment

- Treatment is mainly symptomatic
- If hypoxemic requiring oxygen, treatment includes IV remdesivir (5-day course) and systemic steroids

Multisystem Inflammatory Syndrome in Children (MIS-C)

- 210 total patients with MIS-C admitted to CNH
- Depending on symptoms, COVID+ patients may have screening labs for MIS-C
- Have not seen an increase with omicron (too soon)

Thank you!

swalley@childrensnational.org

Pediatric **Health** Network



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A View from the ED

Joelle Simpson, M.D. M.P.H
Chief of Emergency Medicine
Medical Director of Emergency Preparedness



Emergency Department COVID Response

- Increased COVID **testing** capacity (with patient call back follow ups)
- Providing COVID **therapeutics** to eligible patients
- Increased regional **consultations** for management and transport
- Leaders in regional and national forums in **emergency management** of children with COVID

ED patient referrals

- **Emergency Department Transfer Center: 202-476-LIFE (5433).** Available 24/7.
 - Intake nurse
 - Pediatric emergency medicine physician

Immunization Update & Office Coding Tips

Claire Boogaard, M.D., MPH
Medical Director
COVID-19 Vaccine Program



Vaccines

- Our region is ahead nationally
 - MD, VA, and DC are in the top 12 "states" for fully vaccinating kids 12-17yo (NYTimes)
 - DC as #3 for children 5-11y and #1 for children 12-17yo having received at least one dose (Mayo Clinic)
 - DC as #5 in the nation for vaccinating 5-11yo (Kaiser Family Foundation)
- Children's National efforts:
 - Over 22,000 doses administered to over 13,000 individuals
 - 67.3% given to individuals in high-risk neighborhoods: 42.6% DC Priority Neighborhoods, 24.7% Prince George's County
 - 59.4% are African American/Black and 14.6% are Hispanic
 - Over 4,000 patients ages 5-11yo

Newest updates

- FDA and CDC approved changes for the Pfizer-BioNTech vaccine:
 - 12-15yo now eligible for boosters
 - All boosters can be given 5 months after 2nd dose of Pfizer vaccine for all individuals 12yo and older
 - 5-11yo immunocompromised now approved for 3rd dose (28 days after 2nd dose)
- Dosing for children turning 12y between dose 1 and dose 2: 4 options
 - Pediatric/orange cap for both dose 1 and dose 2
 - purple cap/Comirnaty (the current 12y+) for both dose 1 and dose 2
 - grey cap/Pfizer-Tris (the upcoming 12y+) for both dose 1 and dose 2
 - orange cap for dose 1, purple/grey for dose 2

Age	Vaccine	Dose 1- 2 (ideally 21-42 days apart)	3 rd dose for immunocompromised (given 28 days from 2 nd dose)	Booster (given 5 months after 2 nd /3 rd Pfizer dose, 6months after 2nd Moderna, or 2months after J&J)
6mo-4 years	Not authorized	Not authorized <ul style="list-style-type: none"> Moderna results Q1 2022 Pfizer 3rd dose results Q2 2022 	Not authorized	Not authorized
5y-11y	Orange top (EUA): 10mcg/0.2mL	Pfizer COVID-19 vaccine consent signed by legal guardian	Pfizer COVID-19 vaccine consent signed by legal guardian	Not authorized
12y-15y	Purple top (EUA): COMIRNATY 30mcg/0.3mL Gray top (EUA): Pfizer Adult-Tris 30mcg/0.3ml	Pfizer COVID-19 vaccine consent signed by legal guardian	Pfizer COVID-19 vaccine consent signed by legal guardian	Pfizer COVID-19 vaccine consent signed by legal guardian
16y-17y	Purple top (approved): COMIRNATY 30mcg/0.3mL Gray top (EUA): Pfizer Adult-Tris 30mcg/0.3ml	Purple top: General practice consent signed by legal guardian Gray top: Pfizer COVID-19 vaccine consent signed by legal guardian	Purple or Gray top: Pfizer COVID-19 vaccine consent signed by legal guardian	Purple or Gray top: Pfizer COVID-19 vaccine consent signed by legal guardian
18y+	Purple top (approved): COMIRNATY 30mcg/0.3mL Gray top (EUA): Pfizer Adult-Tris 30mcg/0.3ml	Purple top: General practice consent signed by self or legal decision maker Gray top: Pfizer COVID-19 vaccine consent signed by self or legal decision maker	Purple or Gray top: Pfizer COVID-19 vaccine consent signed by legal guardian	Purple or Gray top: Pfizer COVID-19 vaccine consent signed by legal guardian

Billing for Vaccine Counseling

- Vaccine administered: use administration CPT code
 - If you give the vaccine, counseling is built into the admin code.
 - Do not add CPT code 99401-99404 (preventative med counseling)
 - Only add separate E&M if another billable visit took place
- Vaccine counseled, not administered: CPT code 99401-99404 (Preventative Med Counseling)
 - 99401: 15 mins
 - 99402: 30 mins
 - 99403: 45mins
 - 99404: 60 mins
 - ICD10 code: Z71.85 (Encounter for Immunization Safety Counseling)
 - Add separate E&M for billable visit if appropriate and use -25 modifier

Stand by for Update on Therapeutics

- Save the Date: January 20 at 12:15 pm
- Another Special Town Hall: Monoclonal Antibodies and Antivirals

We welcome your questions, feedback, suggestions:

phn@childrensnational.org

THANK YOU!