Centers for Disease Control and Prevention



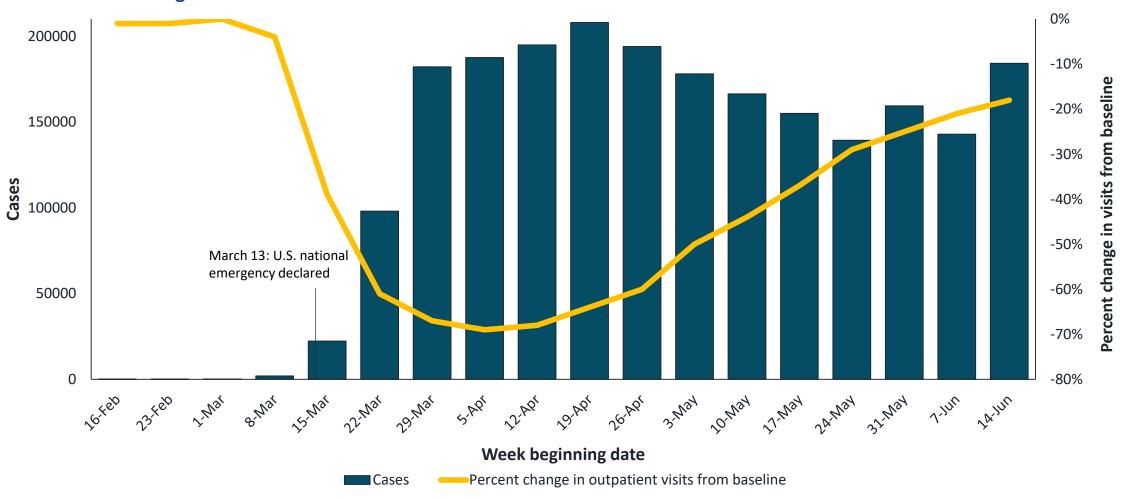


Maintaining and strengthening routine childhood vaccination during the COVID-19 pandemic

Sarah Mbaeyi, MD MPH August 4, 2020

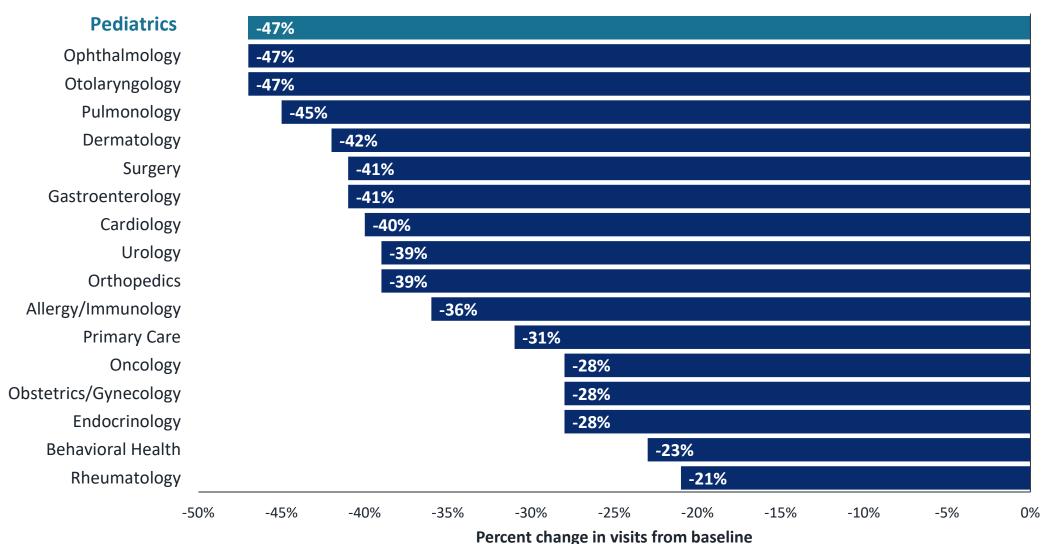
Substantial disruptions to outpatient medical care during COVID-19 pandemic

As number of COVID-19 cases increased and stay-at-home orders implemented, nearly 70% reduction in outpatient in-person visits before starting to rebound

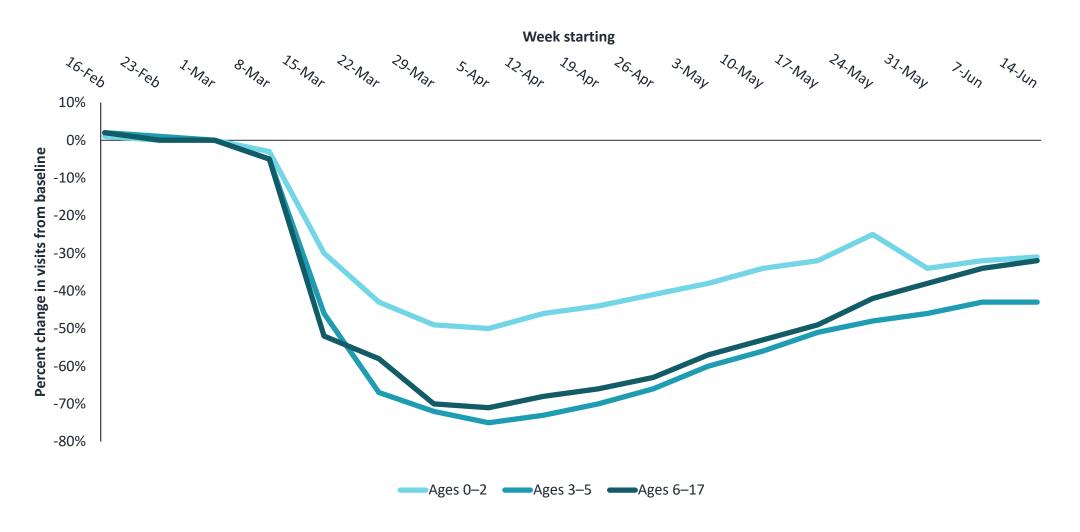


Pediatrics among the hardest-hit specialties

47% cumulative decline in visits from March 15 to June 20, 2020



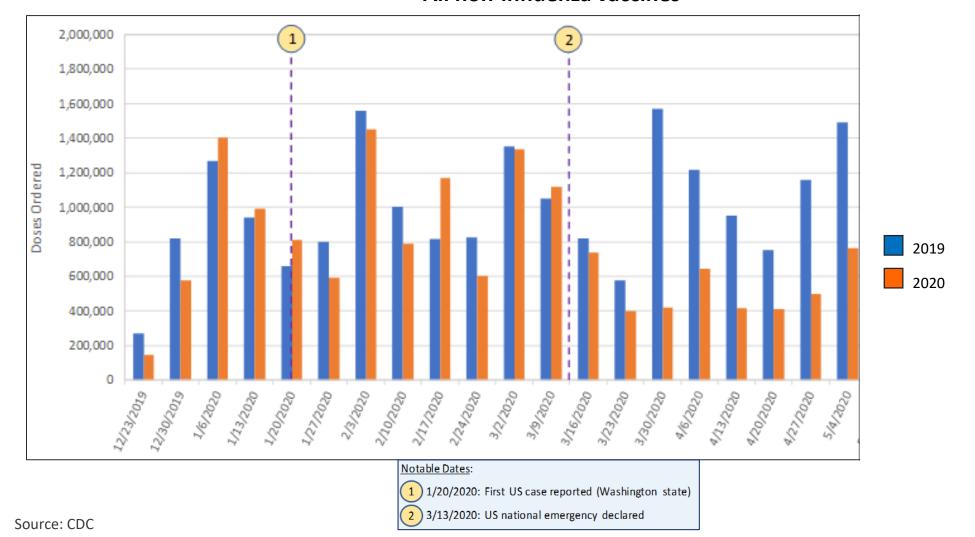
Disruptions in outpatient medical care among all pediatric age groups during COVID-19 pandemic



COVID-19 pandemic and disruptions to routine childhood vaccination

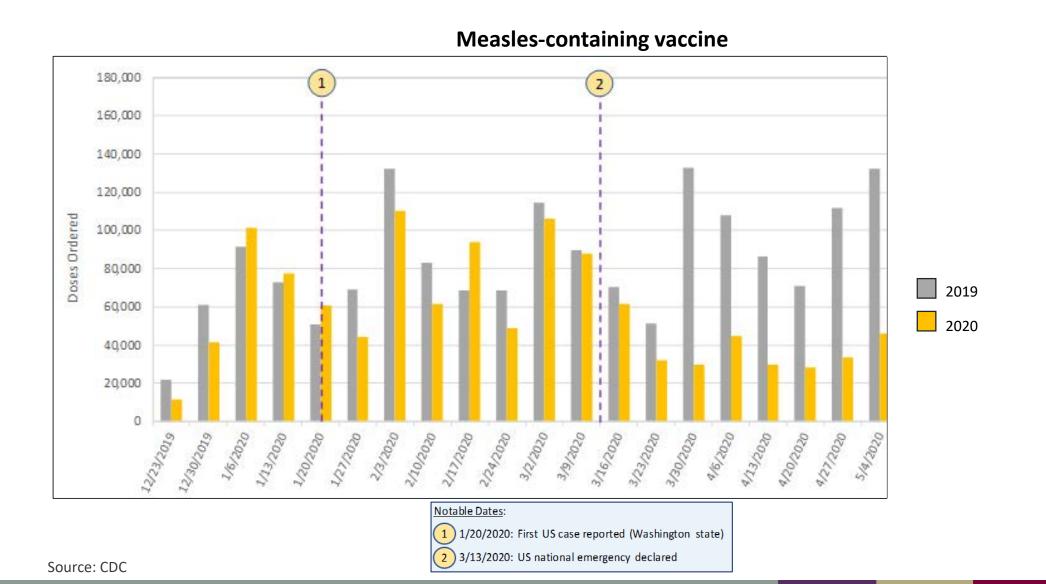
Weekly decreases in Vaccines for Children program provider orders for pediatric vaccines – United States, December 23, 2019-May 10, 2020

All non-influenza vaccines



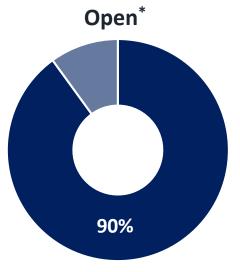
COVID-19 pandemic and disruptions to routine childhood vaccination

Weekly decreases in Vaccines for Children program provider orders for pediatric vaccines – United States, December 23, 2019-May 10, 2020

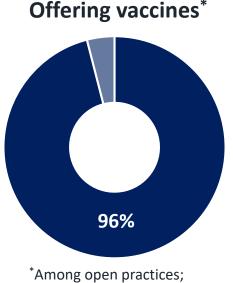


What is the capacity among pediatric providers to administer vaccines?

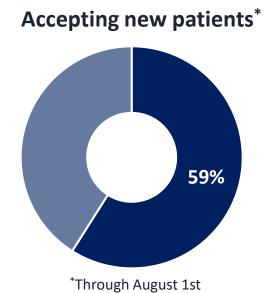
- Vaccines for Children (VFC) program: provides vaccines at no cost to eligible children;
 ~38,000 enrolled practices encompass ~86% of U.S. pediatricians
- Among 1,933 VFC-enrolled practices the majority are: currently open, offering vaccines, and able to accept new patients (as of May 20, 2020)







*Among open practices; 81% offering vaccines to all patients



Immunization infrastructure remains strong during COVID-19

Conclusions from survey of VFC providers

- As of May, 2020, immunization infrastructure sufficient to meet patient needs and ensure catch-up vaccination, though some access issues remain
- Majority of providers will be able to administer vaccines during the critical back-toschool period
- To help ensure routine childhood vaccine services get back on track, efforts needed to support providers and parents

CDC activities with immunization programs and partners to support routine childhood vaccination

Monitor vaccination service delivery to inform targeted interventions

Support

- Providers through the development of guidance and support materials
- Immunization awardees in identifying and responding to disruptions in vaccination
- Catch-up vaccination through reminder/recall systems
- Access to vaccines by identifying gaps in VFC provider network
- Identification of policy interventions to support healthcare providers

Communicate

- Importance of vaccination to parents, providers, and partners
- Information on VFC program to families
- Plan back-to-school vaccination activities during the summer and influenza vaccination in the fall

CDC Interim Guidance for Immunization Services During the COVID-19 Pandemic

Routine immunization services remain critical

- Routine vaccination prevents illnesses that lead to increased medical visits and hospitalizations, further straining the healthcare system
- Influenza vaccination will be critical to reduce the impact of respiratory illnesses and resulting burdens on the healthcare system



Routine vaccination across the lifespan

- Children and adolescents: Reschedule missed well-child visits and/or vaccinations
 - Start with newborns, infants and children up to aged 24 months, young children, and extending through adolescence
- Pregnant women: If vaccination has been delayed, administer vaccines during the next in-person appointment
- Adults: Administer all recommended vaccines
 - Especially important in older adults and those with underlying conditions

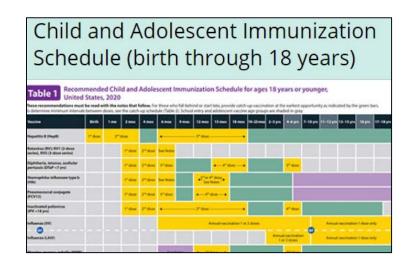


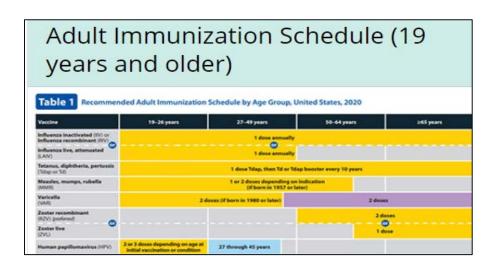




Decreasing immunization rates mean it is particularly important to:

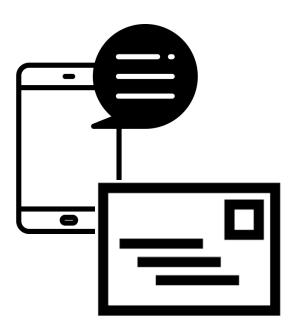
- Assess the vaccination status of all patients to avoid missed opportunities and ensure timely vaccination catch-up.
- Administer all vaccines due or overdue according to the recommended <u>CDC</u> <u>immunization schedules</u> during each visit.



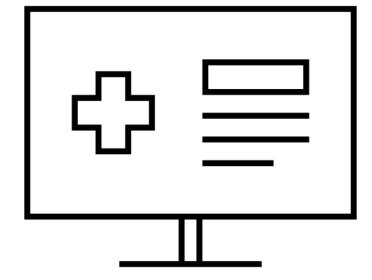


Catch-up vaccination strategies

Reminder/recall systems



Forecasting through EMR or IIS



Standing orders



Vaccination administration during the COVID-19 pandemic

- Vaccination in the medical home ideal to ensure patients receive other preventive services that may have been deferred
- Regardless of vaccination location, <u>best practices for storage and handling of vaccines</u> and <u>vaccine administration</u> should be followed.
- Information on vaccines administered should be documented so that providers have accurate and timely information, and to ensure continuity of care in the setting of COVID-19 related disruptions

Vaccination of persons with confirmed or suspected COVID-19

 Routine vaccination should be deferred in persons with confirmed or suspected COVID-19, regardless of symptoms

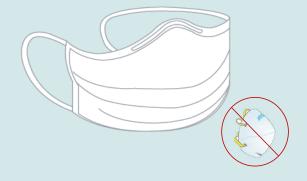


Follow CDC guidance to prevent the spread of COVID-19 in healthcare settings

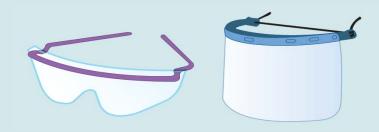
- Screen patients for COVID-19 symptoms before and during visit
- Ensure physical distancing (at least 6 feet apart, where possible)
- Limit and monitor facility points of entry and install barriers to limit physical contact with patients at triage
- Implement policies for cloth face masks for persons aged ≥2 years (if tolerated)
- Ensure adherence to respiratory hygiene, cough etiquette, and hand hygiene
- Enhanced surface decontamination

Use appropriate personal protective equipment

Face mask



Eye protection



Gloves



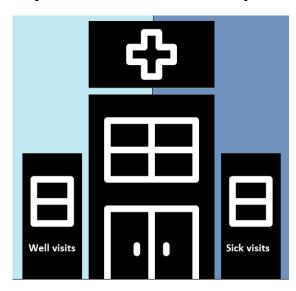
- Recommended:

 All healthcare
 providers

 (N95 masks not recommended)
- Recommended: Areas of moderate/substantial community transmission
- Optional: Areas of minimal/no community transmission
- Recommended: Intranasal or oral vaccines
- Optional: Intramuscular or subcutaneous vaccines

Ensure physical distancing during vaccination visits

Separate sick from well patients



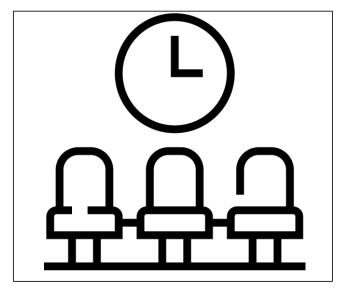
- Schedule well and sick visits at different times of the day
- Place sick visits in different areas of the facility or different locations

Ensure physical distancing measures



- At least 6 feet during all aspects of visit: checkin, checkout, screening procedures, postvaccination monitoring
- Use strategies such as physical barriers, signs, ropes, floor markings

Reduce crowding in waiting room



Ask patients to wait outside (e.g., in their vehicles) until called in

Reassure parents through communication

Encourage parents to return for well-child visits

 Discuss the safety protocols put in place to ensure patients can be safely vaccinated



Promote awareness of vaccines for Children (VFC) program among parents

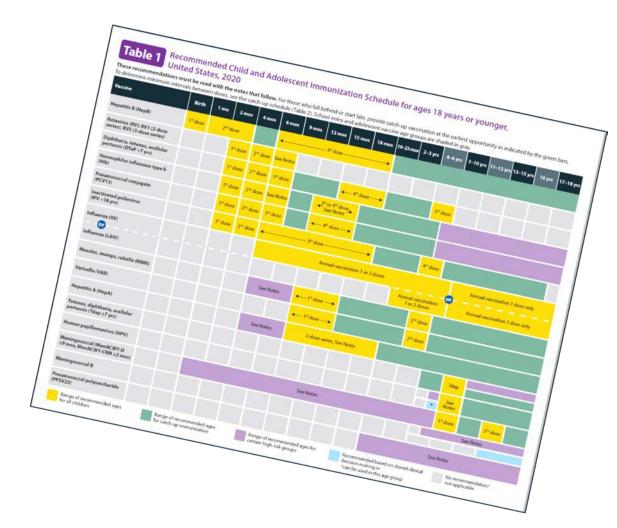
- Prior to the pandemic, ~50% of U.S. children eligible to receive free vaccines through VFC
 - More may be eligible now due to recent loss insurance
- Parents of recently-eligible children may not be aware of VFC
- Partners and providers can help improve vaccine access by increasing awareness and enrollment in VFC program



Preparing for back-to-school vaccination

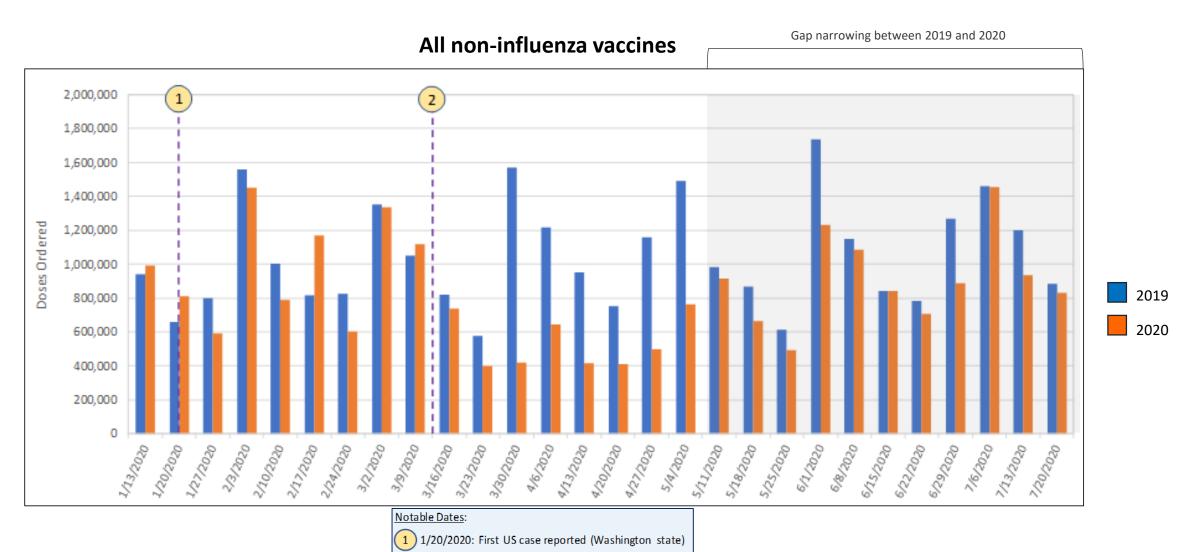
School vaccination requirements provide a critical checkpoint for children's vaccination status

- Many school-age children at risk for undervaccination and non-compliance with school vaccine requirements
- Important to augment back-to-school vaccine clinics to ensure that children have an opportunity for vaccination



Signs of recovery in routine childhood vaccination

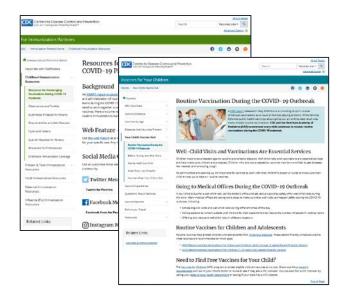
Weekly Vaccines for Children program provider orders for pediatric vaccines – United States, December 23, 2019-July 27, 2020



3/13/2020: US national emergency declared

Source: CDC

Resources for routine vaccination during the COVID-19 pandemic



CDC resources for parents and immunization partners



AAP's #CallYourPediatrician campaign



Immunization Action Coalition Repository of Resources

Conclusions

- Substantial disruptions to routine childhood vaccination services has occurred during the COVID-19 pandemic, though signs of recovery have appeared
- Immunization programs, partners, and providers can help get childhood vaccination back on track by supporting catch-up vaccination efforts and communicating with parents about safe vaccination during the pandemic







Thank you

For more information, contact CDC 1-800-CDC-INFO (232-4636)

TTY: 1-888-232-6348 www.cdc.gov



The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

Photographs and images included in this presentation are licensed solely for CDC/NCIRD online and presentation use. No rights are implied or extended for use in printing or any use by other CDC CIOs or any external audiences.

