

# Global Progress Against Measles Threatened Amidst COVID-19 Pandemic

*The largest increase in unvaccinated children in 20 years and critical gaps in disease surveillance increase risk of measles outbreaks, putting lives at risk: WHO, CDC*

While reported measles cases have fallen compared to previous years, progress toward measles elimination continues to decline and the risk of outbreaks is mounting, according to [a new report](#) from the World Health Organization (WHO) and U.S. Centers for Disease Control and Prevention (CDC). During 2020, more than 22 million infants missed their first dose of measles vaccine – 3 million more than in 2019, marking the largest increase in two decades and creating dangerous conditions for outbreaks to occur.

**Compared with the previous year, reported measles cases decreased by more than 80 percent in 2020.**

However, measles surveillance also deteriorated with the lowest number of specimens sent for laboratory testing in over a decade. Weak measles monitoring, testing and reporting for measles jeopardize countries' ability to prevent outbreaks of this highly infectious disease. Major measles outbreaks occurred in 26 countries and accounted for 84 percent of all reported cases in 2020.

“Large numbers of unvaccinated children, outbreaks of measles, and disease detection and diagnostics diverted to support COVID-19 responses are factors that increase the likelihood of measles-related deaths and serious complications in children,” said **Kevin Cain, MD, CDC’s Global Immunization Director**. “We must act now to strengthen disease surveillance systems and close immunity gaps, before travel and trade return to pre-pandemic levels, to prevent deadly measles outbreaks and mitigate the risk of other vaccine-preventable diseases.”

## Lower reported measles cases in 2020 must not mask the growing risk of measles to children worldwide

The ability of countries to ensure children receive both recommended doses of measles vaccine is a key indicator of global progress toward measles elimination and capacity to prevent the spread of the virus. First-dose coverage fell in 2020, and only 70 percent of children received their second dose measles vaccine, well below the 95 percent coverage needed to protect communities from the spread of the measles virus.

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Adding to the worsening of immunity gaps worldwide, 24 measles vaccination campaigns in 23 countries, originally planned for 2020, were postponed because of the COVID-19 pandemic – leaving more than 93 million people at risk for the disease. These supplemental campaigns are needed where people have missed out on measles-containing vaccines through routine immunization programs.

“While reported measles cases dropped in 2020, evidence suggests we are likely seeing the calm before the storm as the risk of outbreaks continues to grow around the world,” said **Dr. Kate O’Brien, Director of WHO’s Department of Immunization, Vaccines and Biologicals**. “It’s critical that countries vaccinate as quickly as possible against COVID-19, but this requires new resources so that it does not come at the cost of essential immunization programs. Routine immunization must be protected and strengthened; otherwise, we risk trading one deadly disease for another.”

## Immunization and surveillance systems must be strengthened to reduce growing measles risks

The COVID-19 pandemic caused significant disruptions to immunization services and changes in health-seeking behaviors in many parts of the world. While the measures used to mitigate COVID-19 – masking, handwashing, distancing – also reduce the spread of the measles virus, countries and global health partners must prioritize finding and vaccinating children against measles to reduce the risk of explosive outbreaks and preventable deaths from this disease.

[Measles](#) is one of the world’s most contagious human viruses but is almost entirely preventable through vaccination. In the last 20 years, the measles vaccine is estimated to have averted more than 30 million deaths globally. Estimated deaths from measles dropped from around 1,070,000 in 2000 to 60,700 in 2020. The estimated number of measles cases in 2020 was 7.5 million globally. Measles transmission within communities is not only a clear indicator of poor measles vaccination coverage, but also a known [marker, or ‘tracer,’](#) that vital health services are not reaching populations most at risk.

### The Measles & Rubella Initiative

The Measles & Rubella Initiative (M&RI) is a partnership among the American Red Cross, the United Nations Foundation, the U.S. CDC, UNICEF and WHO. Working with Gavi, the Vaccine Alliance and other stakeholders, the Initiative is committed to achieving and maintaining a world without measles, rubella and congenital rubella syndrome. Since 2000, M&RI has helped deliver measles vaccine to children worldwide and saved over 31.7 million lives globally by increasing vaccination coverage, responding to outbreaks, monitoring and evaluation, and supporting confidence and demand for vaccination.

By the end of 2020, 81 countries (42 percent) had succeeded in sustaining their measles elimination status despite the pandemic, but no new countries were verified as having achieved measles elimination. There are still 15 countries that have not introduced the measles second dose into their national immunization schedules, leaving children and adolescents in these countries especially vulnerable to measles outbreaks.

### Additional Quotes

- “Even before the pandemic, we were seeing how even small pockets of low measles immunization coverage could fuel unprecedented outbreaks, including in countries where the disease had been considered eradicated. And now, COVID-19 is creating widening gaps in coverage at a pace we haven’t seen in decades,” said **Ephrem Tekle Lemango, UNICEF Associate Director for Immunization**. “While we have not seen an increase in cases yet, measles is simply too contagious. If we do not act, gaps will become outbreaks, and many children will be exposed to a preventable but potentially deadly disease,” he added.
- “For over two decades, Red Cross volunteers have reached members of their communities in need of life-saving vaccines. Volunteers provide critical health information to families through encouragement and a familiar face. This has helped shift minds and hearts to vaccinate millions of children within these communities,” says **Koby Langley, Senior Vice President of the American Red Cross International Services and Service to the Armed Forces Department**. “With the continuing global effects of the COVID-19 pandemic, this work is vital. Now more than ever, we need to reach children who are unprotected against deadly disease and prevent further outbreaks.”
- “The pandemic is having a huge impact on countries’ ability to deliver essential health services such as routine

immunization, placing millions of people, mainly children, at risk of highly infectious diseases such as measles. Our priority at Gavi is to help countries mitigate this risk and prevent disease outbreaks by closing the growing immunity gaps through strengthening routine immunization, and conducting well-planned, targeted catch-up campaigns," said **Anuradha Gupta, Deputy CEO, Gavi the Vaccine Alliance**. "We must urgently address the critical measles immunity gaps with a particular focus on reaching zero-dose children who are most at risk of devastating measles outbreaks."

- "The decline of reported cases in measles means we have to redouble our efforts to protect the millions of endangered kids from dying of a fully preventable disease," says **Lori Sloate, Senior Director of Global Health at the UN Foundation**. "The straightest path is to work together to leverage scarce resources that invest in local health system strengthening efforts to address both covid and basic immunization. One cannot come at the expense of the other."

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Page last reviewed: November 10, 2021