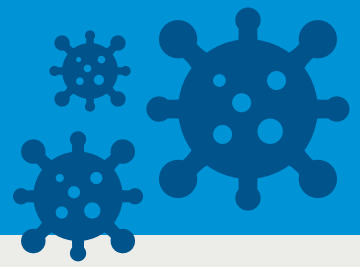
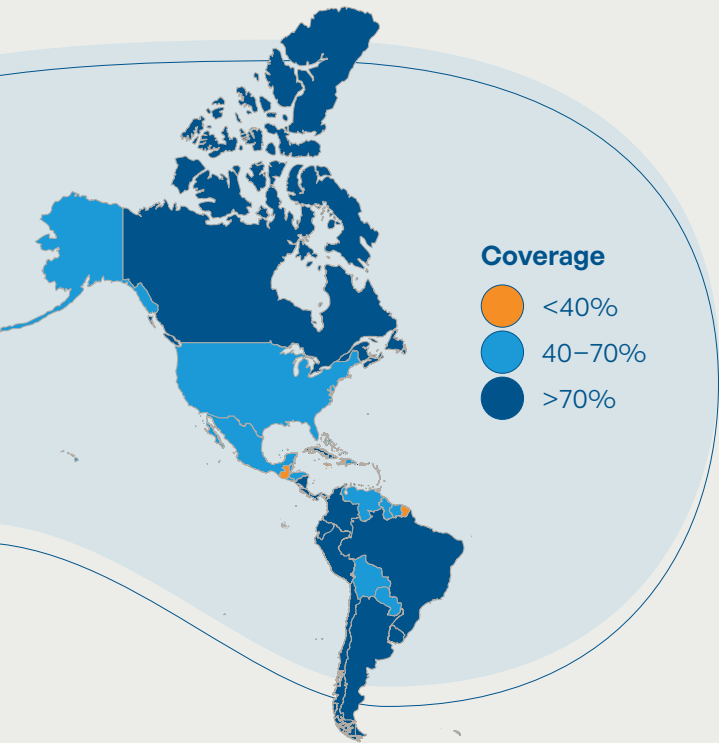


COVID-19 VACCINATION DATA



This infographic from the Pan American Health Organization (PAHO) provides COVID-19 vaccination data for the Americas from the start of vaccination in December 2020 through December 2023. It reports on the enormous achievements made in the three years of vaccination operations in every country and territory in the Region and highlights the challenges that remain. In line with the latest recommendations of the World Health Organization (WHO), as of 2024, countries have reported the annual percentage of their population that received at least one dose of COVID-19 vaccine, where the official source is quarterly COVID-19 vaccination reports from the electronic Joint Reporting Form (eJRF) platform.



SITUATION IN THE REGION AND THE REST OF THE WORLD^{1, 5}

2 195 million

Doses of COVID-19 vaccine administered in the Americas

71.15%

Fully vaccinated* population

41.9%

Vaccinated population with at least 1 booster dose

195 million

People with zero doses** in the Americas

Coverage with primary series by WHO region³



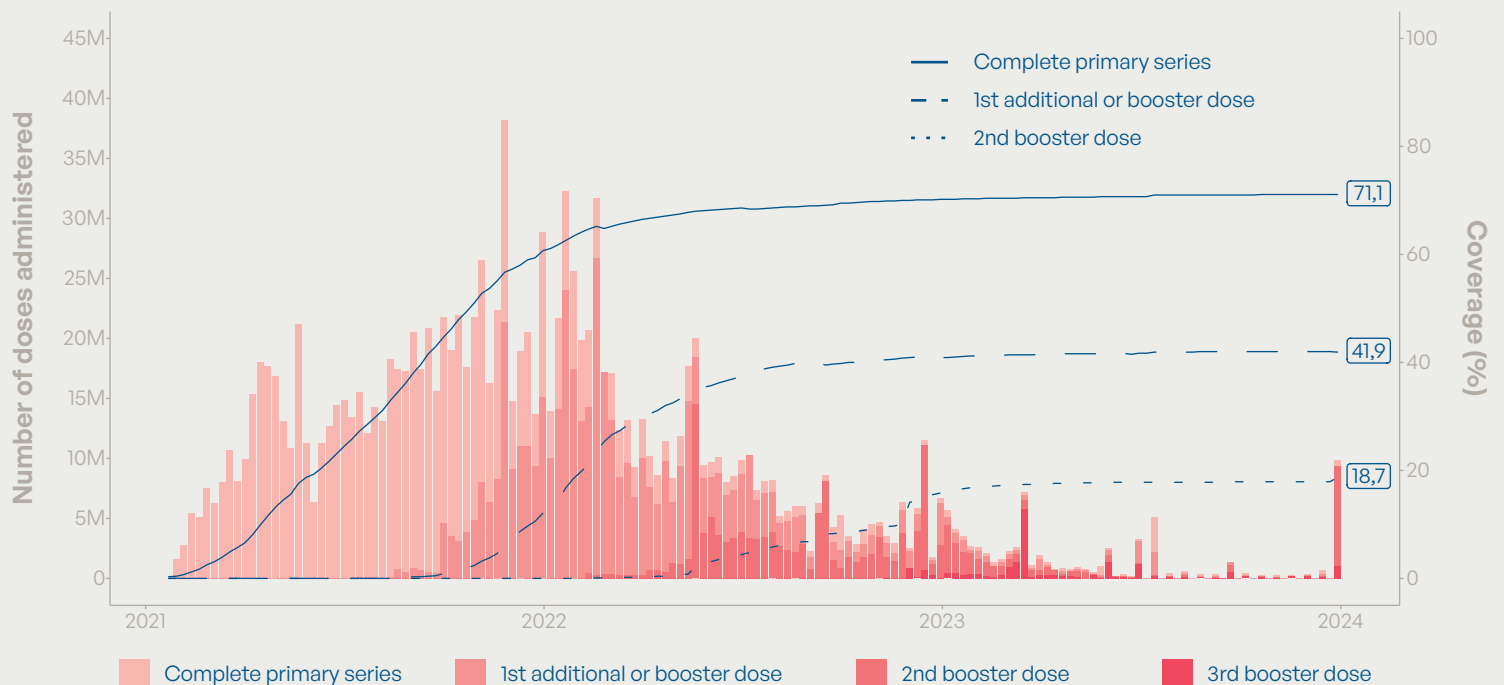
Total 67%

*Coverage with single doses and the second or third dose of the multi-dose schedule, as determined by each country.
 **Population that has not received any dose of COVID-19 vaccine.



WEEKLY VACCINATION BY TYPE OF DOSE¹

With the start of vaccination in 2020-2021, there was an increase in **coverage with the complete primary vaccination series**, which is defined as the coverage with single doses and the second or third dose of the multi-dose schedule, as determined by each country. In late 2021 and early 2022, the weekly increase in primary coverage began to decline, while coverage with the first additional or booster dose increased. By 2023, the increase in the coverage of all doses shown plateaued, leaving primary coverage in the **Region of the Americas at 71.1% as of 31 December 2023**.



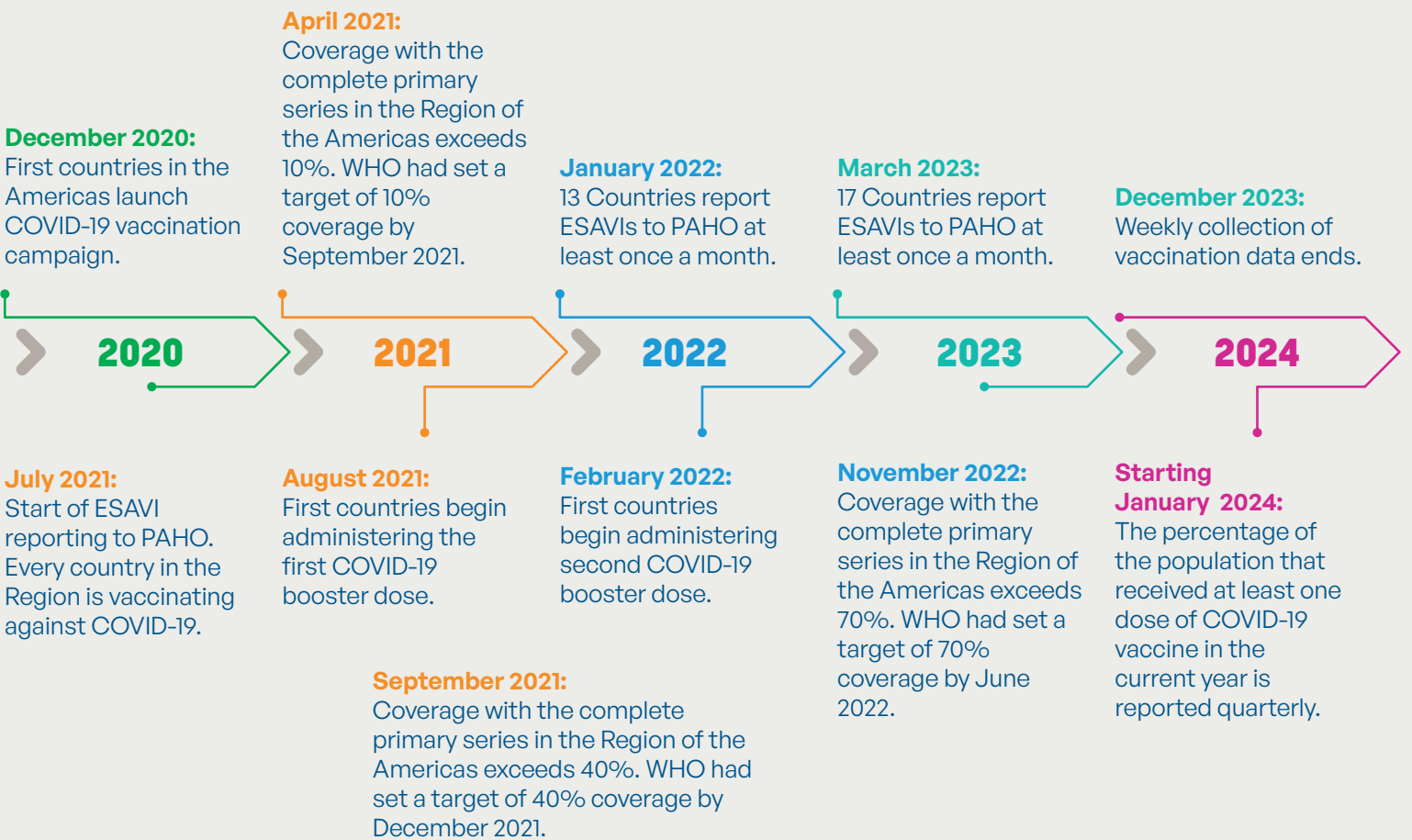
The United States changed its reporting of the 2nd booster dose in the week of 2 December 2022, resulting in an increase of ~40 million additional doses for that week. For clarity, this increase is seen only in coverage.

PAHO





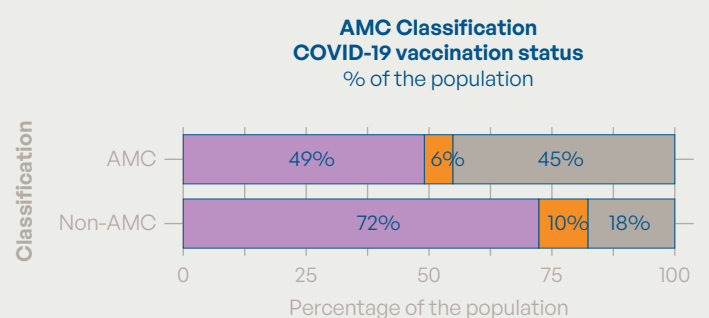
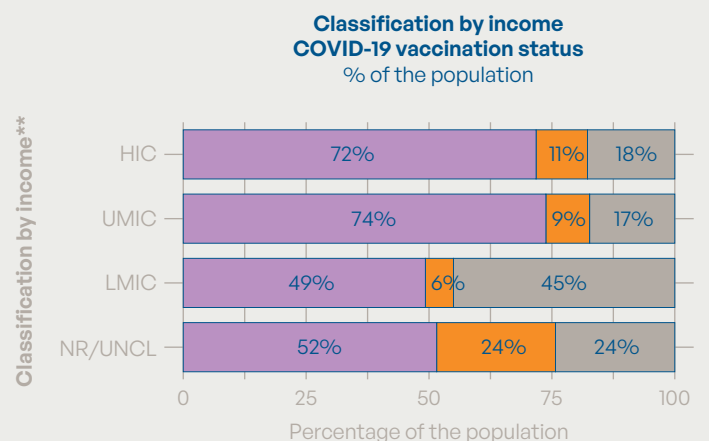
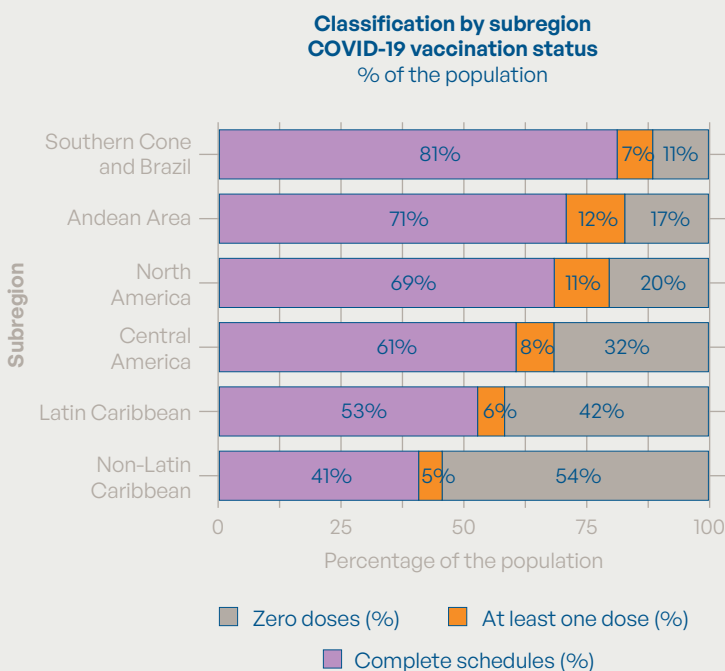
TIMELINE OF COVID-19 VACCINE INTRODUCTION AND ESAVI* SURVEILLANCE IN THE REGION¹



* Event supposedly attributable to vaccination or immunization



VACCINATION COVERAGE¹ BY SUBREGION, INCOME LEVEL (WORLD BANK⁶), AND AMC COUNTRIES*



PAHO



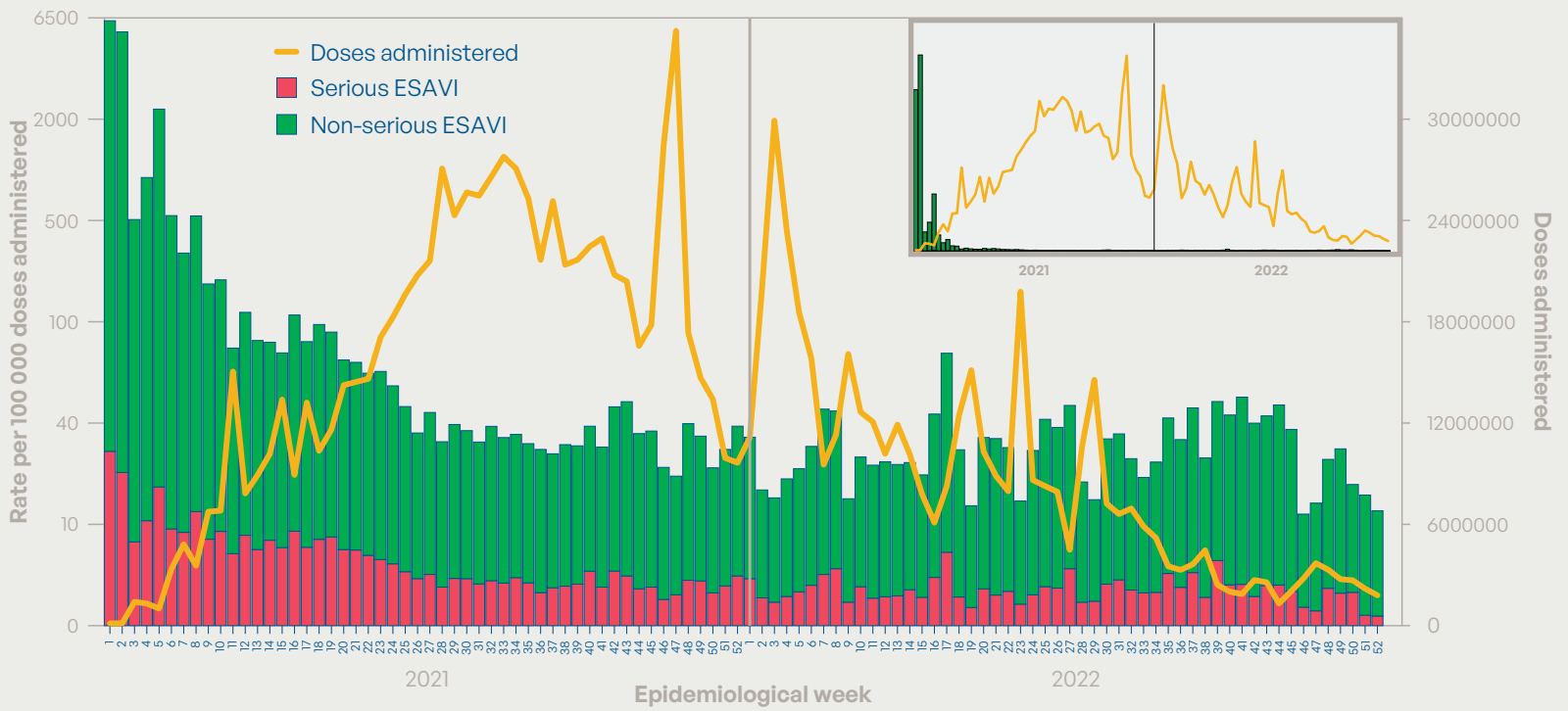
*Advance Market Commitment

** HIC = High-income countries, UMIC = Upper-middle-income countries.

LMIC = Lower-middle-income countries, NR/UNCL = Not assessed/not classified.



ESAVI REPORTING TREND* FOR COVID-19 VACCINES IN SELECTED COUNTRIES⁴



The figure shows the trend in the ESAVI notification rate on a logarithmic scale. We can observe that it was higher in the first year of vaccination, possibly because of the large number of doses and the significant attention that the vaccines received.

If we look at the small, embedded graph, which shows the same data on a real scale, we observe that the ESAVI rate represents a very small fraction of the doses administered.



41.91 events per 100 000 doses administered at the end of 2022.

96% of them were not serious events

4% of them were serious events
1.8 events per 100 000 doses administered

Notes:

Events that may be coincidental and not necessarily caused by the vaccine may be reported as ESAVIs.

* Smoothed trends using the "moving average" statistical method.



COLD CHAIN AND WASTE MANAGEMENT



35 countries

supported with the procurement of cold chain equipment.

Financial support from the governments of the United States, Canada, and Germany.



632 784 sets of

cold chain equipment, syringes, and biohazard containers procured.



With an investment of **US\$18.7M**



17 training workshops for 25 countries

on the use of K1 auto-disable (AD) syringes, safe injection, and waste management.



55 workshops held in 35 countries

Management of cold chain and supply chain operations for COVID-19 and other vaccines. Cold chain equipment inventories.

Review of norms and standards, use of new technologies, tools, and information management systems.



3 infographics

Storage, distribution, and handling of ultra-low temperature (ULT) vaccines.



7 infographics

Safe management and disposal of COVID-19 vaccine waste in health care facilities.



1 guide

Interpretation, documentation, and use of heat-sensitive indicators on vaccine vials.

PAHO

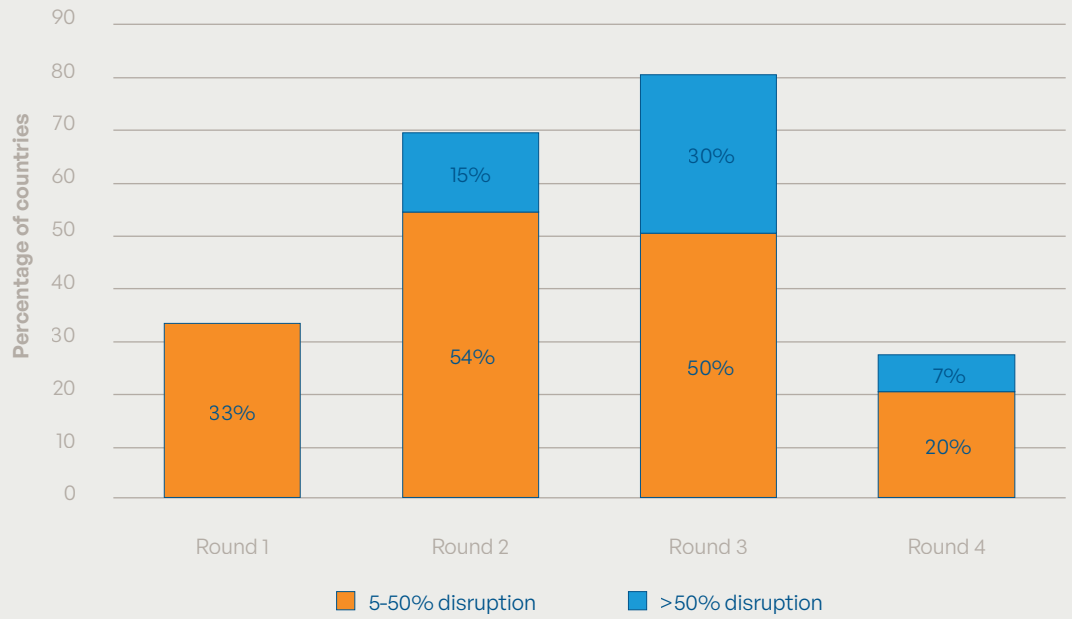




FOURTH ROUND OF THE NATIONAL SURVEY ON THE CONTINUITY OF ESSENTIAL HEALTH SERVICES DURING THE COVID-19 PANDEMIC

Disruption of routine immunization services in countries of the Americas responding to the four rounds of the survey on the continuity of essential health services during the COVID-19 pandemic, 2020 and 2022.

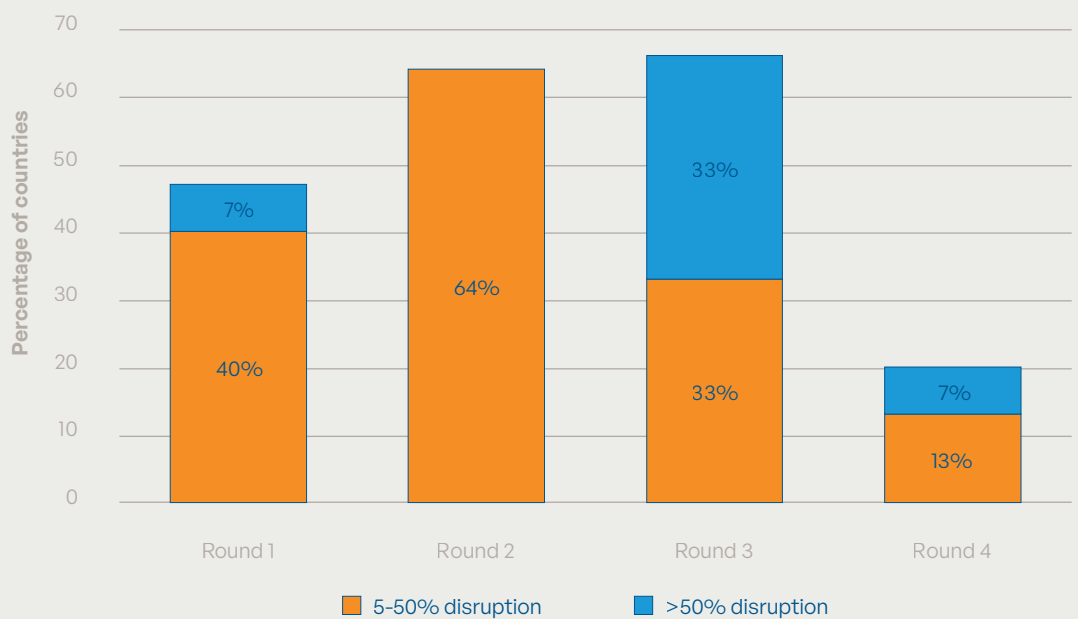
Comparing round 4 with rounds 2 and 3, it can be observed that the disruption of routine immunization services decreased in countries that experienced disruptions of 5-50% and those with more than 50% disruptions.



Round 1 (Q3 2020; n=15), Round 2 (Q1 2021; n=13), Round 3 (Q4 2021; n=10); Round 4 (Q4 2022; n=15)
The “n” value represents the number of countries that responded to the questions for each service.

Disruption of routine outreach for routine immunization services in countries of the Americas responding to the four rounds of the survey on the continuity of essential health services during the COVID-19 pandemic, 2020 and 2022.

Comparing round 4 with rounds 2 and 3, it can be observed that the disruption of routine immunization service delivery decreased both for countries with disruptions of 5-50% and those with disruptions of greater than 50%.



Round 1 (Q3 2020; n=15), Round 2 (Q1 2021; n=11), Round 3 (Q4 2021; n=9), Round 4 (Q4 2022; n=15)
The “n” value represents the number of countries that responded to the questions for each service.

PAHO



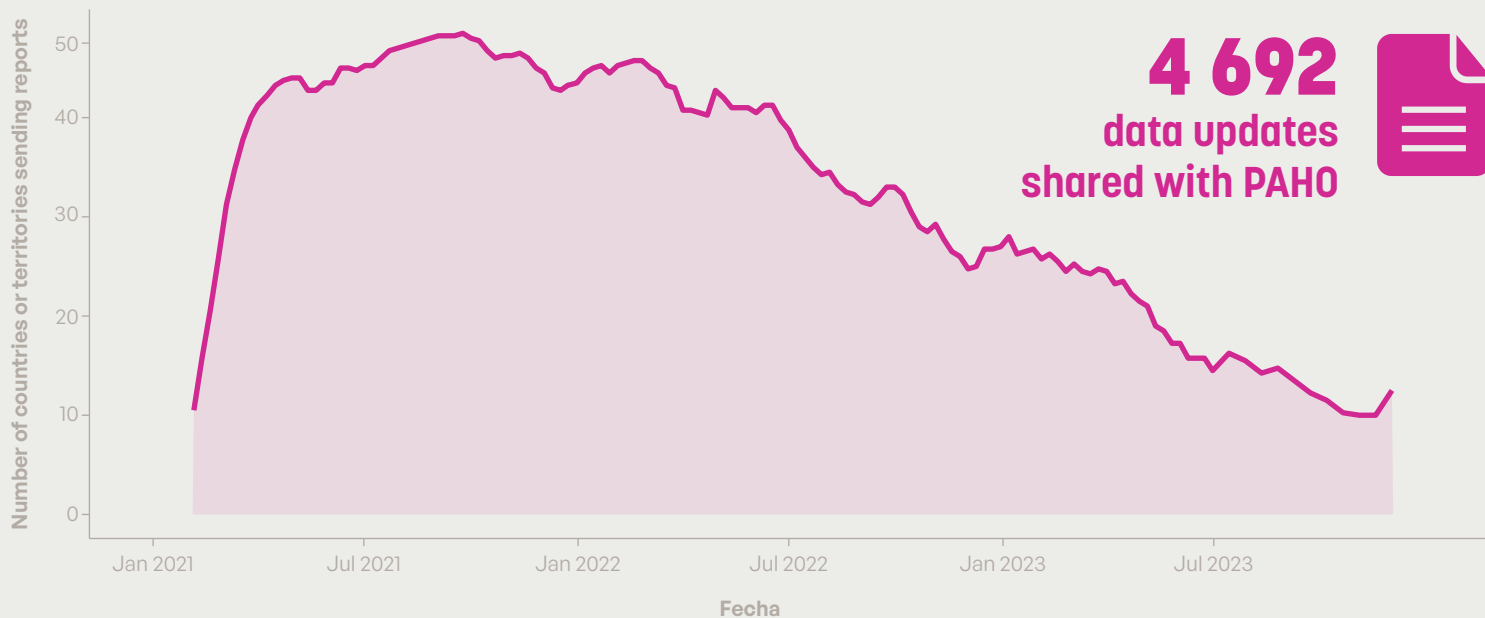
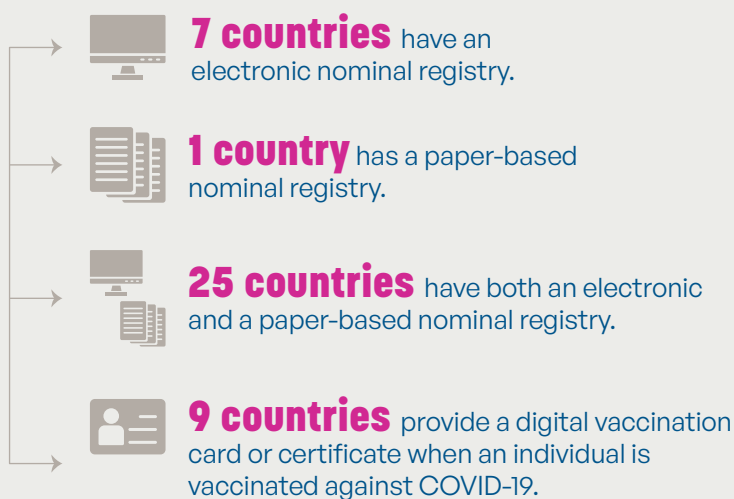


COUNTRIES WITH A NOMINAL REGISTRY, DIGITAL CERTIFICATES,² AND REPORTING OF COVID-19 VACCINATION IN THE REGION¹



Of the **35** countries that reported data through the eJRF*, **33** have a national nominal registry for monitoring COVID-19 vaccination rates.

*COVID-19 Electronic Joint Reporting Form



The number of weekly vaccination progress reports sent to PAHO increased significantly as each country increased its vaccination efforts in 2021. However, since 2022, a decrease in the reporting rate has been noted, affecting the information on the number of vaccine doses administered.

* Smoothed trend using the “moving average” statistical method.

ACKNOWLEDGEMENTS

On behalf of the Pan American Health Organization’s Special Program for Comprehensive Immunization (CIM), we would like to express our sincere appreciation for the tireless efforts and dedication of the immunization staff. Your commitment to public health remained steadfast even in the most challenging moments of the pandemic. Your collaboration and commitment have been essential in tackling this global crisis. The solidarity and cooperation you have shown reflect the strength of our region and are inspiring examples of Pan-Americanism. We will continue working together to overcome adversity and build a healthier, more resilient future. Thank you for being our heroes!

References:

1. Data collected through the WHO/UNICEF eJRF tool and reports sent by member countries to PAHO.
2. Data collected through the WHO/UNICEF eJRF tool.
3. WHO COVID-19 dashboard, retrieved 28 May 2024.
4. Data transferred from 15 countries to the regional ESAVI database from 1 January 2021 through 31 December 2022, and doses reported to the PAHO Immunization dashboard during the same period.
5. COVID-19 vaccination dashboard, PAHO.
6. World Bank country classification by income level (2021-2022).

PAHO



Pan American Health Organization



World Health Organization
REGIONAL OFFICE FOR THE AMERICAS