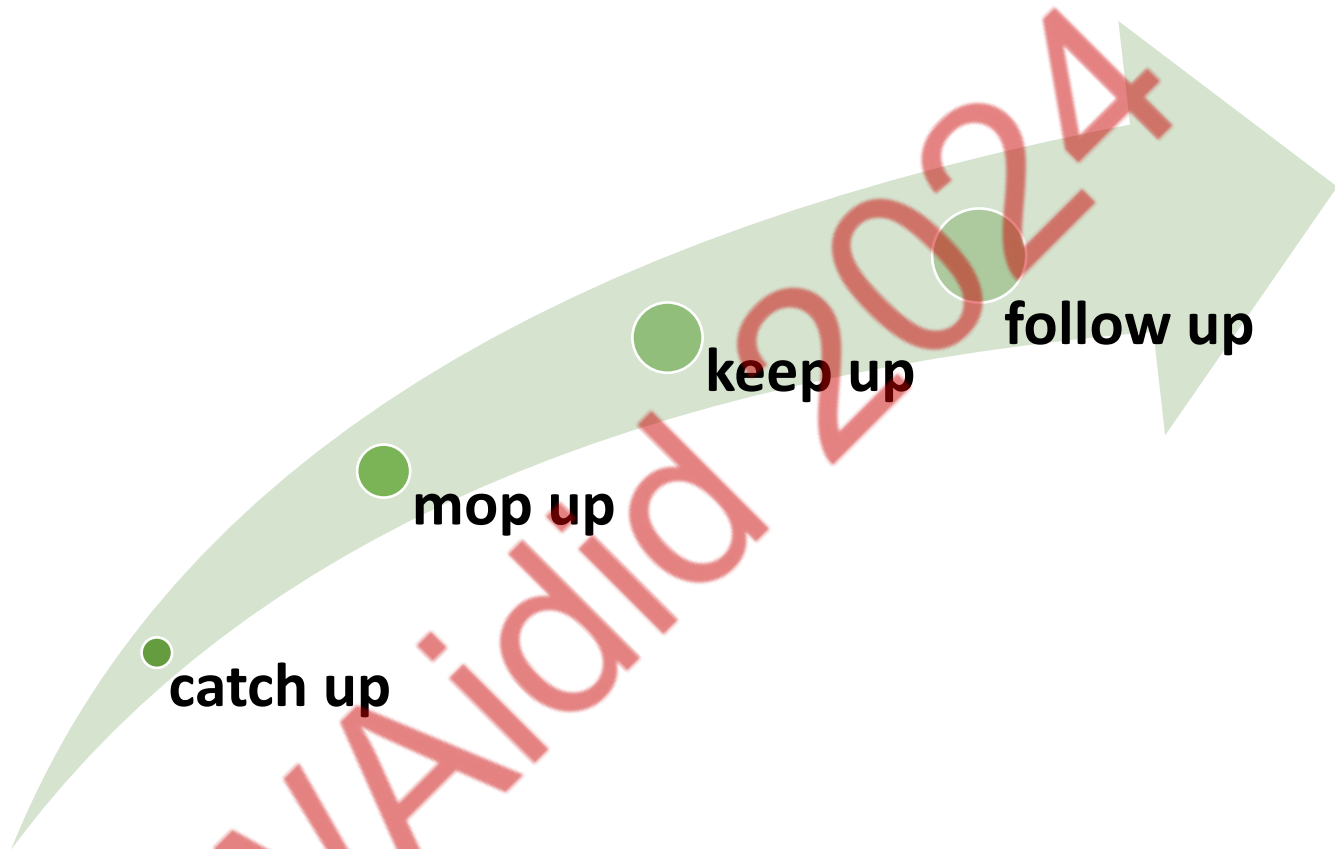




Milan 2024
28-30 November 2024
HOTEL NHOW MILAN

Viral eradication: dreams or reality?

Pier Luigi Lopalco



catch up

mop up

keep up

follow up

WAIidia 2024

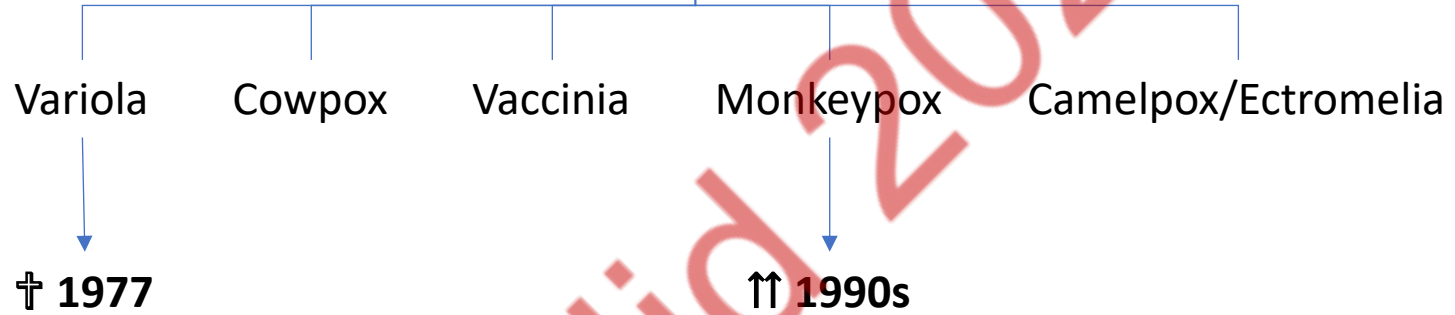




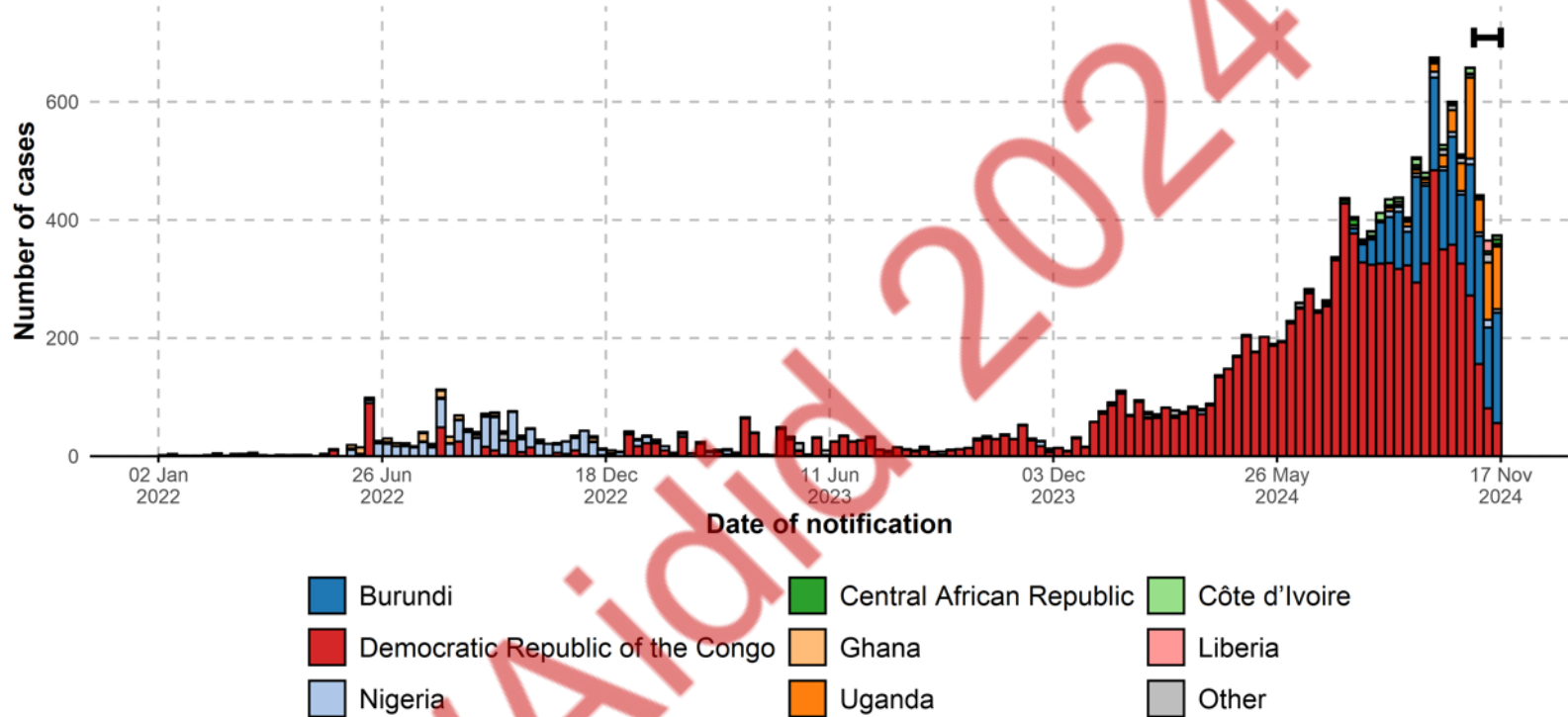
Ali Maow Maalin, 1977



Orthopoxvirus



Bracket at end of curve indicates potential reporting delays in recent weeks of data.
Data as of 17 Nov 2024

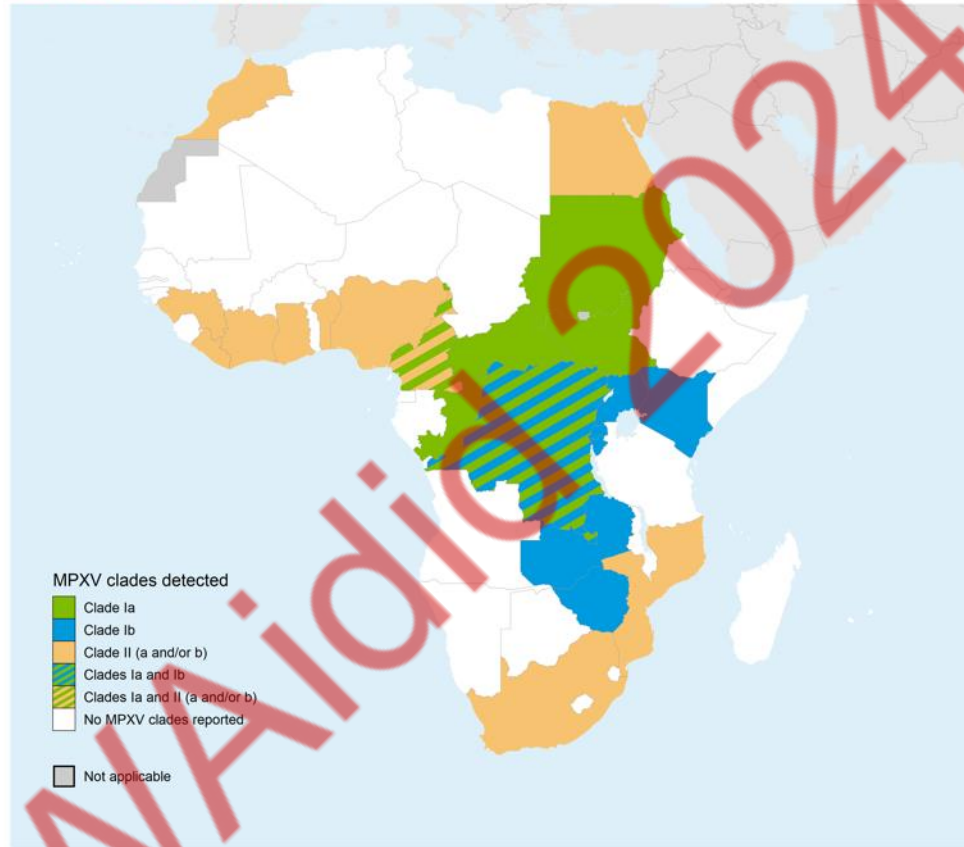


Source: WHO



MPXV clades detected in Africa

from 1 Jan 2022, as of 17 Nov 2024



Data Source: World Health Organization
Map Production: WHO Health Emergencies Programme
© WHO 2024. All rights reserved.



Fonte Wikipedia



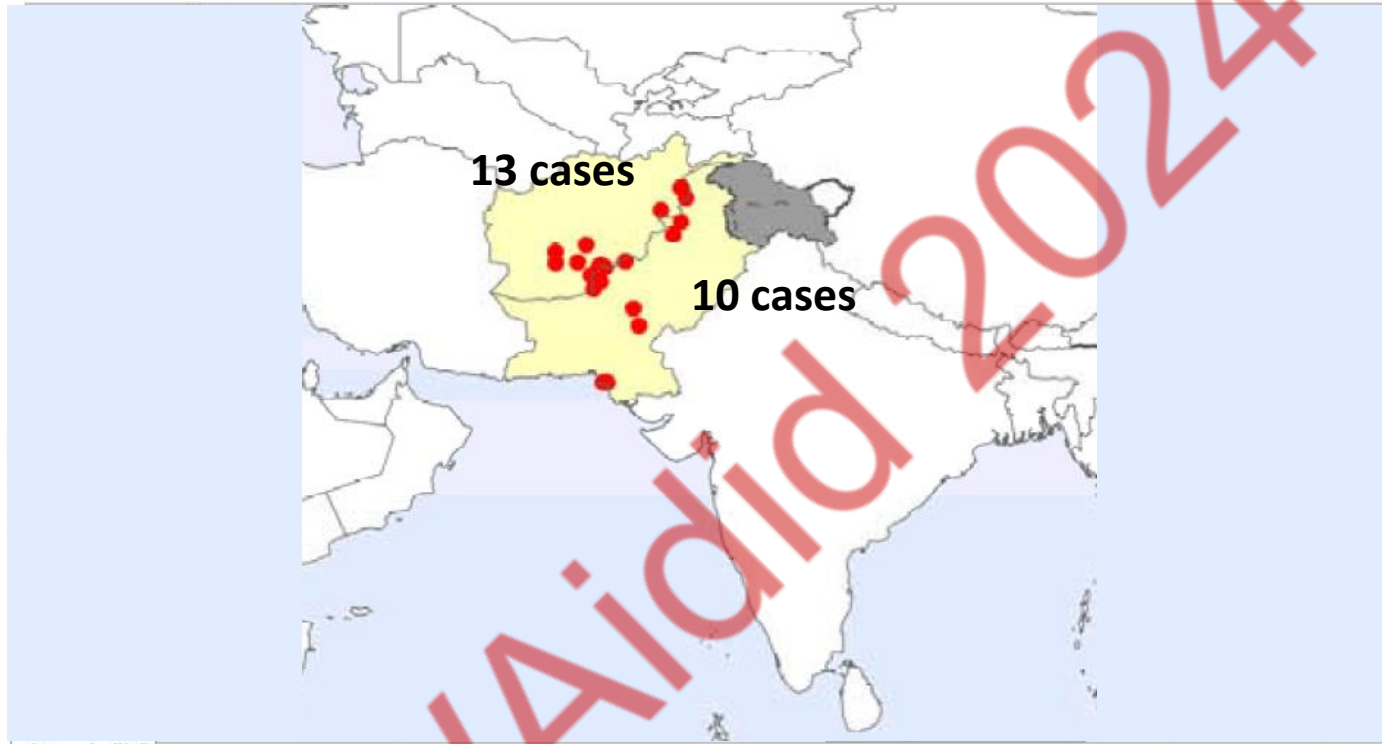
Fonte Wikipedia



UNIVERSITÀ
DEL SALENTO



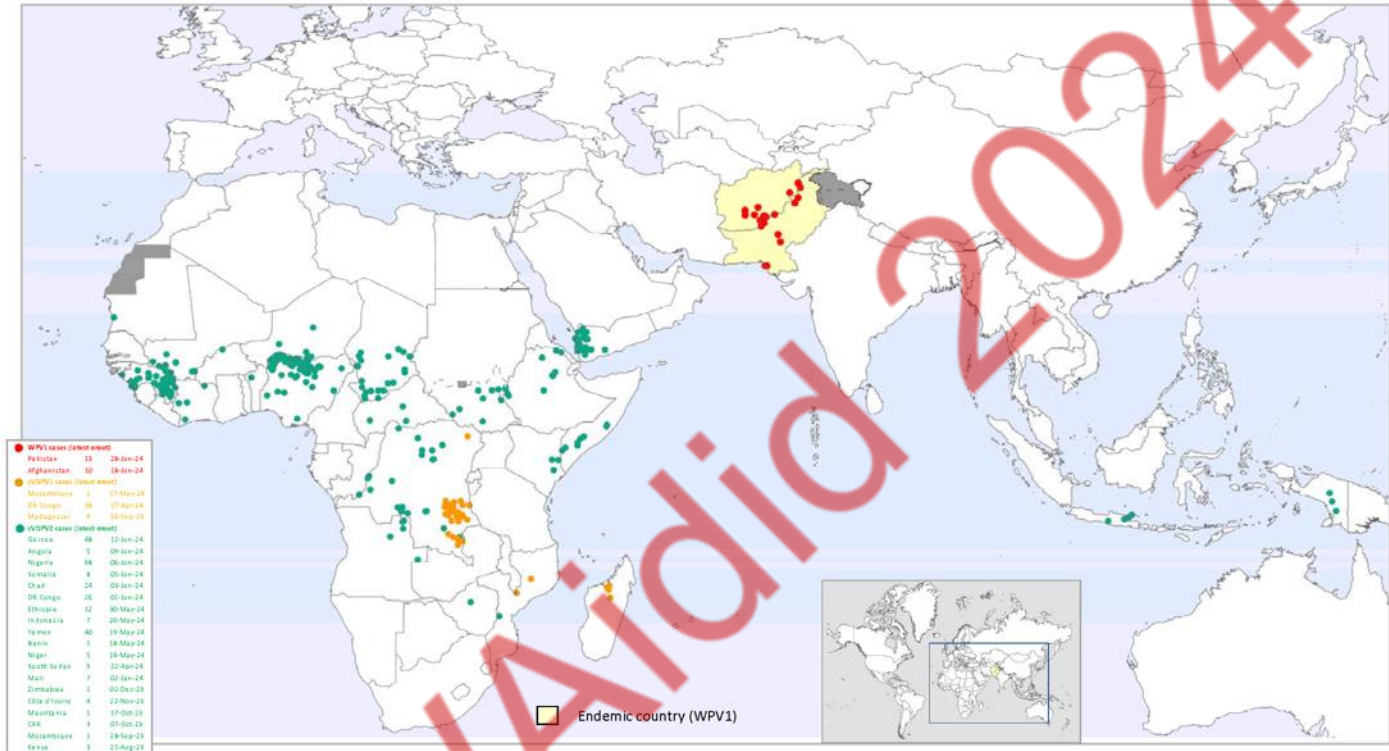
Global WPV1 & cVDPV Cases¹, Previous 12 Months²



¹Excludes viruses detected from environmental surveillance; ²Onset of paralysis: 31 Jul. 2023 to 30 Jul. 2024

Data in WHO HQ as of 30 Jul. 2024

Global WPV1 & cVDPV Cases¹, Previous 12 Months²



- WPV1
- cVDPV1
- cVDPV2

¹Excludes viruses detected from environmental surveillance; ²Onset of paralysis: 31 Jul. 2023 to 30 Jul. 2024

Data in WHO HQ as of 30 Jul. 2024

A single case of paralytic polio was identified in a young unvaccinated man living in Rockland County, north of New York City, on 21 July

News

Polio emergency declared in New York State over virus found in wastewater

BMJ 2022 ; 378 doi: <https://doi.org/10.1136/bmj.o2211> (Published 12 September 2022)

Cite this as: *BMJ* 2022;378:o2211

The New York State Department of Health [...] found poliovirus in 57 samples of concern in the counties around New York City. The New York City Metropolitan Area has a population of nearly 19 million.



[Eyad Baba/AFP]

Gaza, September 2024



UNIVERSITÀ
DEL SALENTO



MEASLES & RUBELLA PARTNERSHIP

M&RP has delivered **more than 4 billion vaccine doses** since 2001 that have saved **millions of lives.**

90%

of countries now include rubella vaccines as part of their national immunization programs

M&RP's measles vaccination efforts have saved **more than 57 million lives**



83%

of the world is vaccinated against measles up from 72% global coverage in 2000.

The number of children born with congenital rubella syndrome has decreased since 2000 by **70%**



There's so much more work to do.

The M&RP's goal to eliminate measles and rubella is not simply a target; it is a promise to future generations. Together, we can make significant steps toward a world where every child has the chance to survive and thrive, free from the threat of measles and congenital rubella syndrome.

In 2022,

21.9 million

children missed their first dose of the measles vaccine

In **low-income countries** where the risk of death is highest, measles vaccine coverage is only

66%



In 2022, more than

136,000

people died from measles

Each year, **25%** of the world's children lack access to rubella vaccines and more than 30,000 infants are born with CRS



Aedes invasive mosquitoes

October 2020



Aedes invasive mosquitoes

July 2024



Dengue virus (local transmission)



NUTS 2 and NUTS 3 regions reported as Place of Infection since 2010

- Region of infection
- No cases reported
- Not included

Countries not visible in the main map extent



Liechtenstein



Luxembourg



Malta



Administrative boundaries: © EuroGeographics. The boundaries and names shown on this map do not imply official endorsement or acceptance by the European Union. Map produced by ECDC on 11 October 2024



UNIVERSITÀ
DEL SALENTO



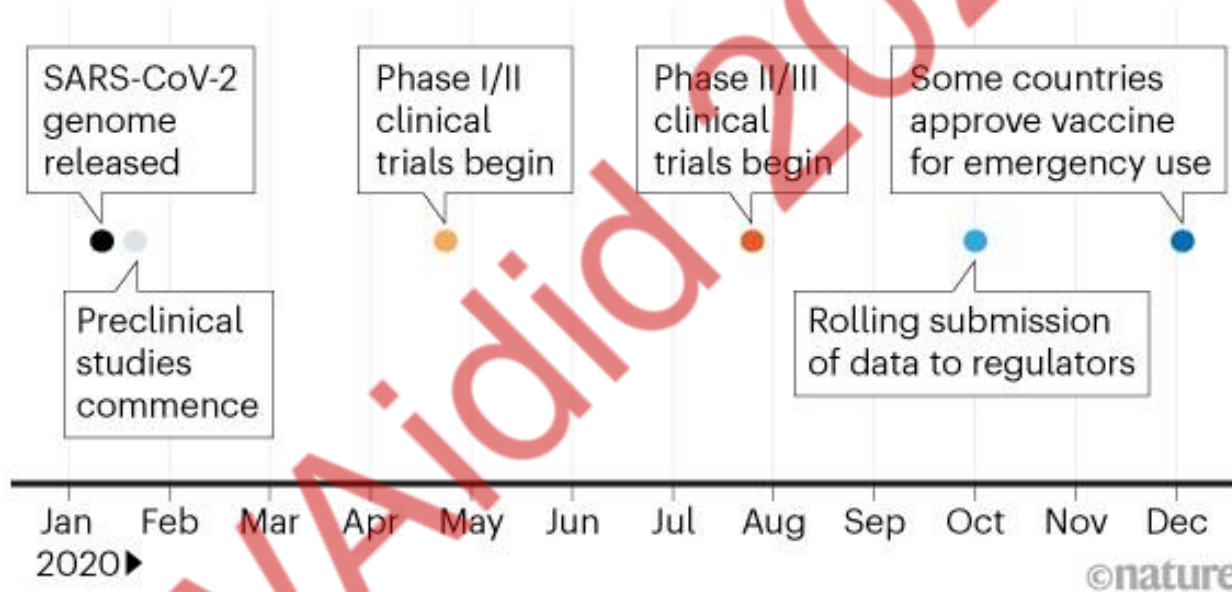
Top 10 – health threats to global health

- Air pollution and climate change
- Noncommunicable diseases
- Global influenza pandemic
- Fragile and vulnerable settings
- Antimicrobial resistance
- Ebola and other high-threat pathogens
- Weak primary health care
- Vaccine hesitancy
- Dengue
- HIV

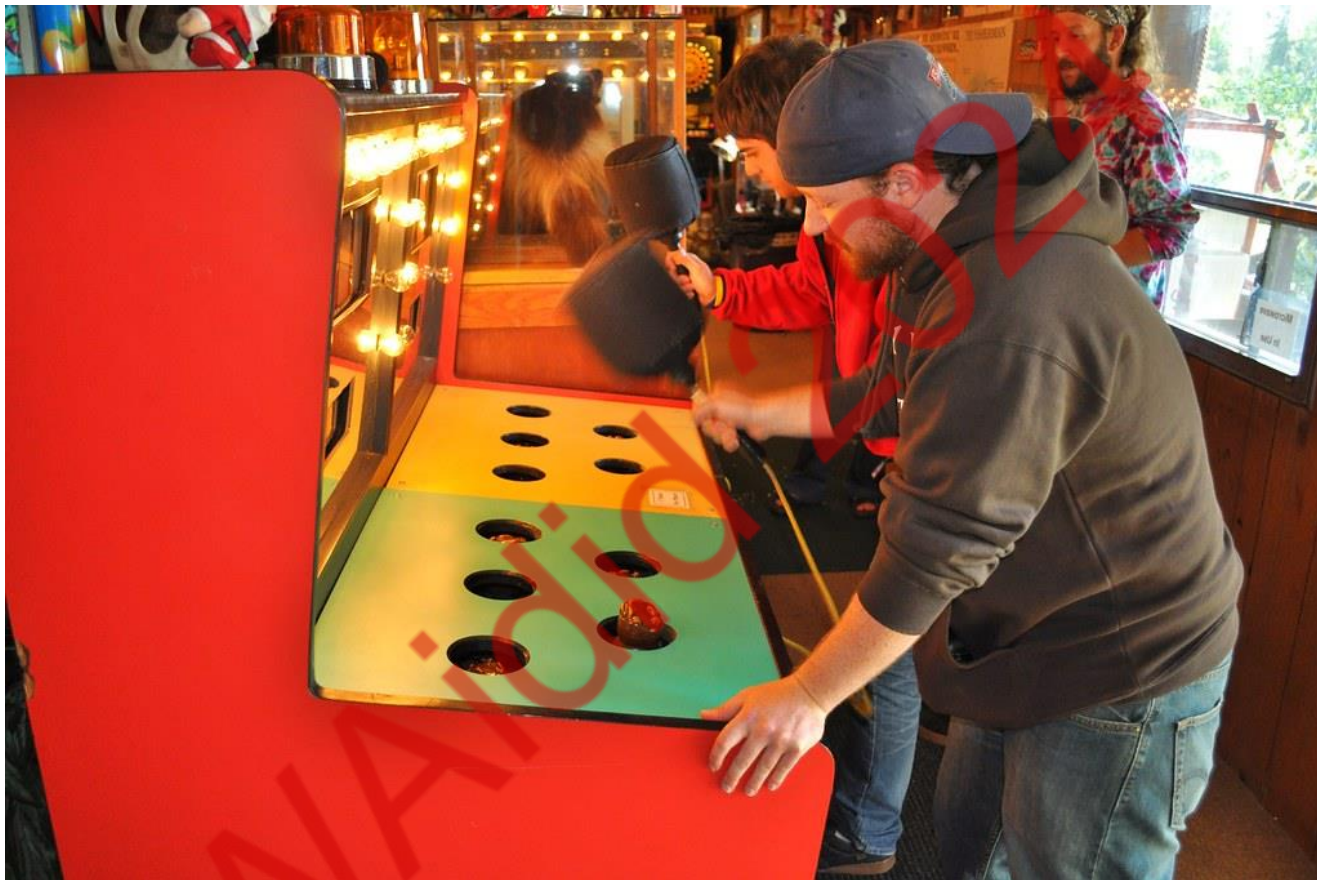
<https://www.who.int/news-room/spotlight/ten-threats-to-global-health-in-2019>

A VACCINE IN A YEAR

The drug firms Pfizer and BioNTech got their joint SARS-CoV-2 vaccine approved less than eight months after trials started. The rapid turnaround was achieved by overlapping trials and because they did not encounter safety concerns.



Sources: BioNTech/Pfizer; *Nature* analysis, available at <https://www.nature.com/articles/d41586-020-03626-1>



UNIVERSITÀ
DEL SALENTO



erreconzero

Global strategy to accelerate the elimination of cervical cancer as a public health problem

90%

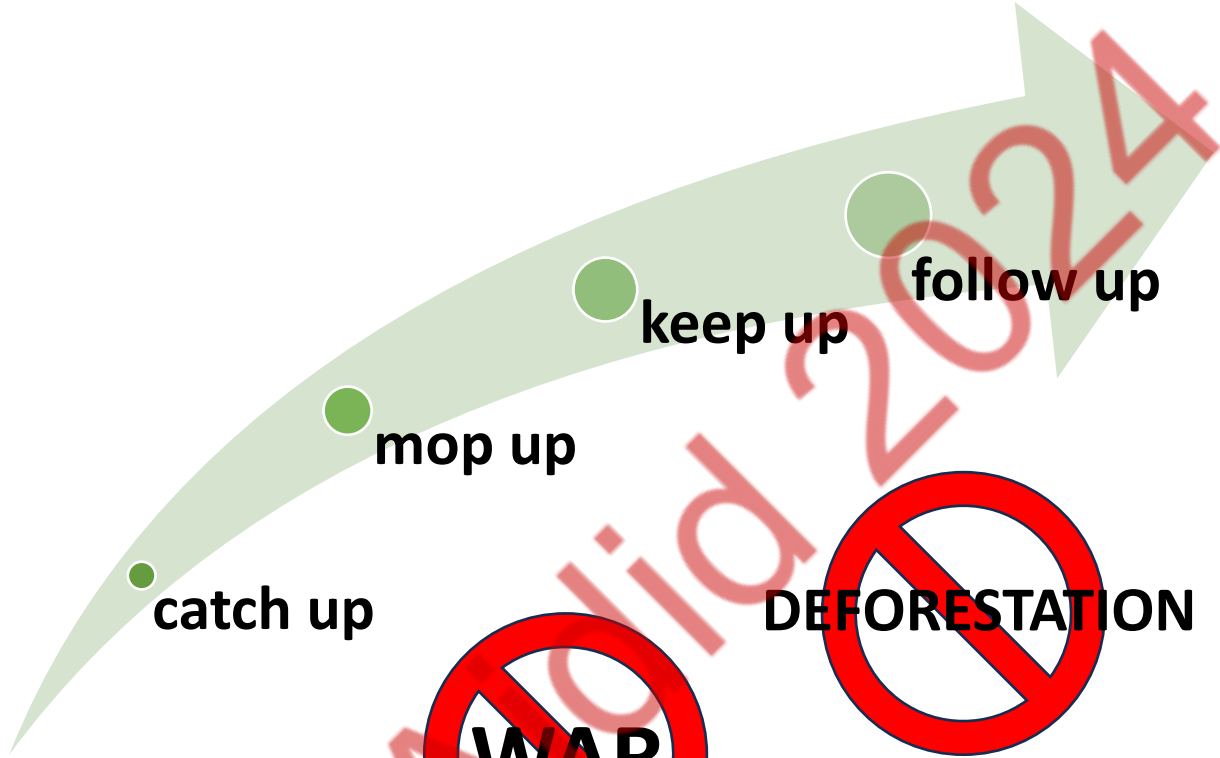
of girls fully vaccinated with HPV vaccine by age 15 years.

70%

of women are screened with a high-performance test by 35 years of age and again by 45 years of age.

90%

of women identified with cervical disease receive treatment (90% of women with precancer treated, and 90% of women with invasive cancer managed).



catch up

mop up

keep up

follow up

~~WAR~~

~~DEFORESTATION~~

~~CLIMATE CHANGE~~

WORLD 2024

