

# A TALE OF TWO PANDEMICS:

## COVID-19 & Global Vaccine Equity

The COVID-19 Situation in Latin America

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Rio de Janeiro, Brazil  
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# OUTLINE

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- Overview on the COVID-19 pandemic in Latin America
- Public health challenges
- Opportunities at National and International levels

# COVID-19 Pandemic in Latin America



**36,255,000 cases** **20%**

**1,242,000 deaths** **32%**

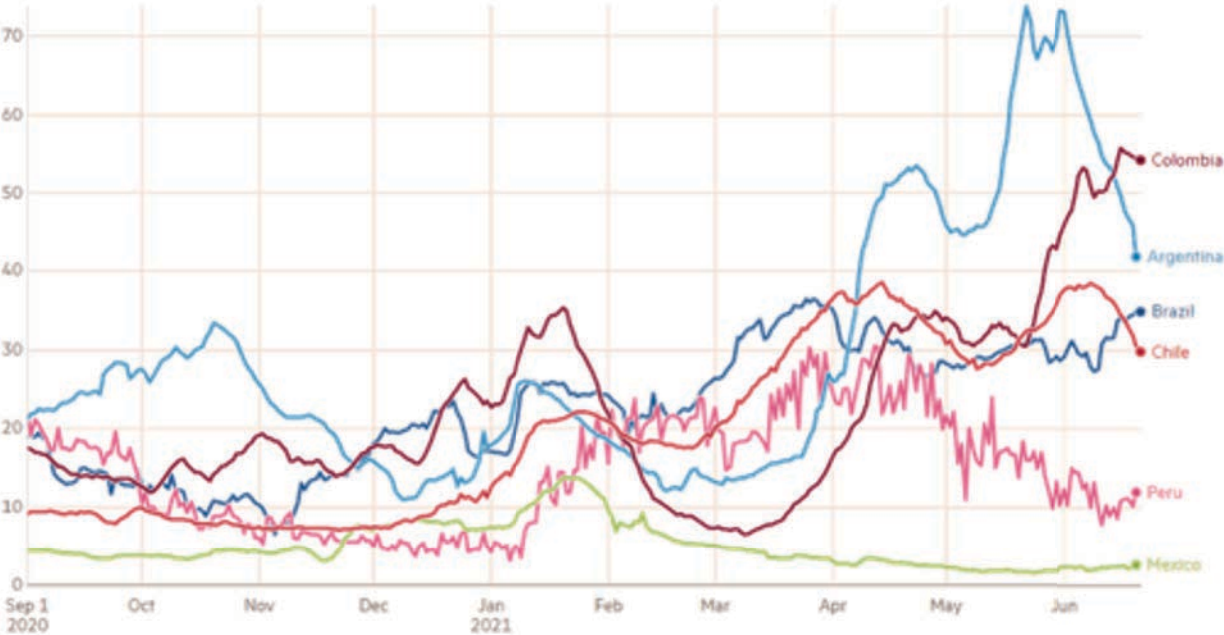


Pharexi- (original author); Ratherous, AKS471883 (contributors); authors of File:BlankMap-World.svg Dat- derived from Johns Hopkins University CSSE, The Centers for Disease Control and Prevention, New York Times, CNBC, CC BY-S- 4.0, <https://commons.wikimedia.org/w/index.php?curid=86236603>

(updated in June 20, 2021)

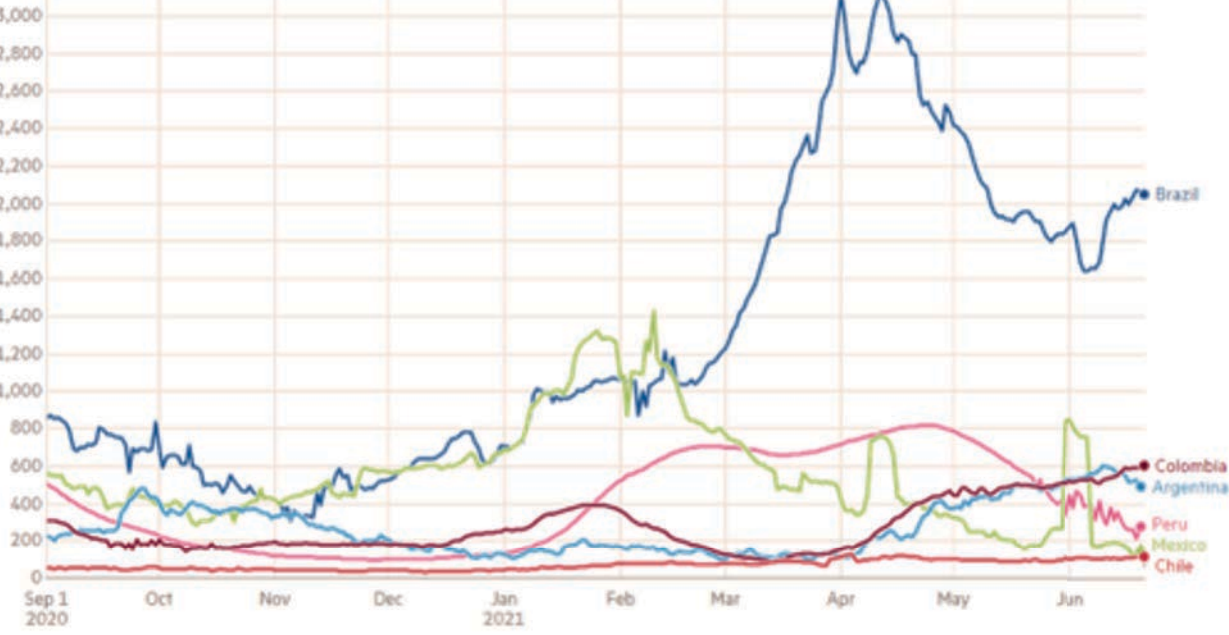
# COVID-19 Epidemic in Latin America

New confirmed cases of COVID-19 in selected Latin American countries



Seven-day rolling average of new cases (per 100k)

New deaths attributed to COVID-19 in selected Latin American countries



Seven-day rolling average of new deaths

# COVID-19 Epidemic in Brazil

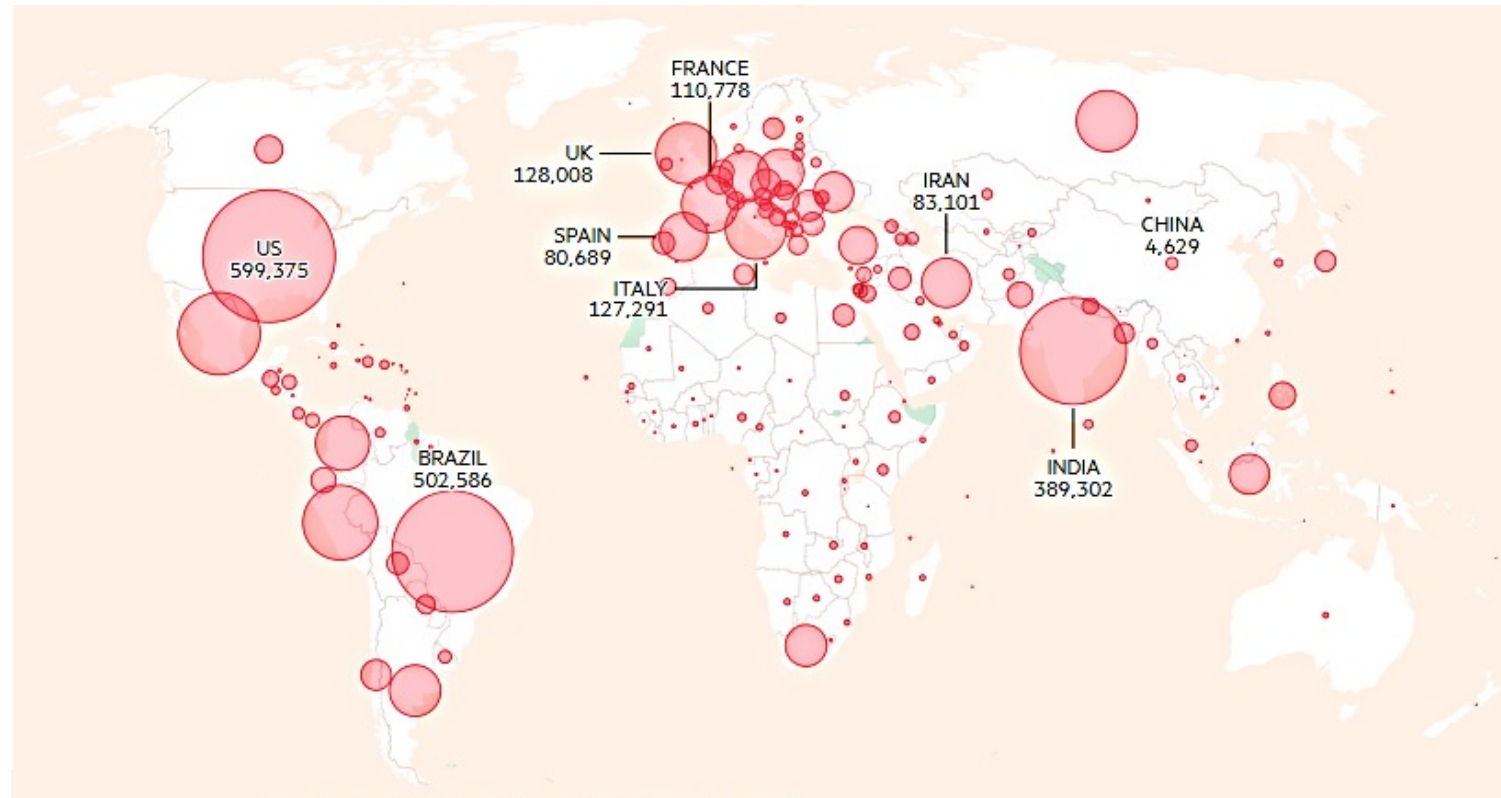
**17,883,750 cases:** 3rd highest globally

**500,800 deaths:** 2nd highest globally

2.7% of world population

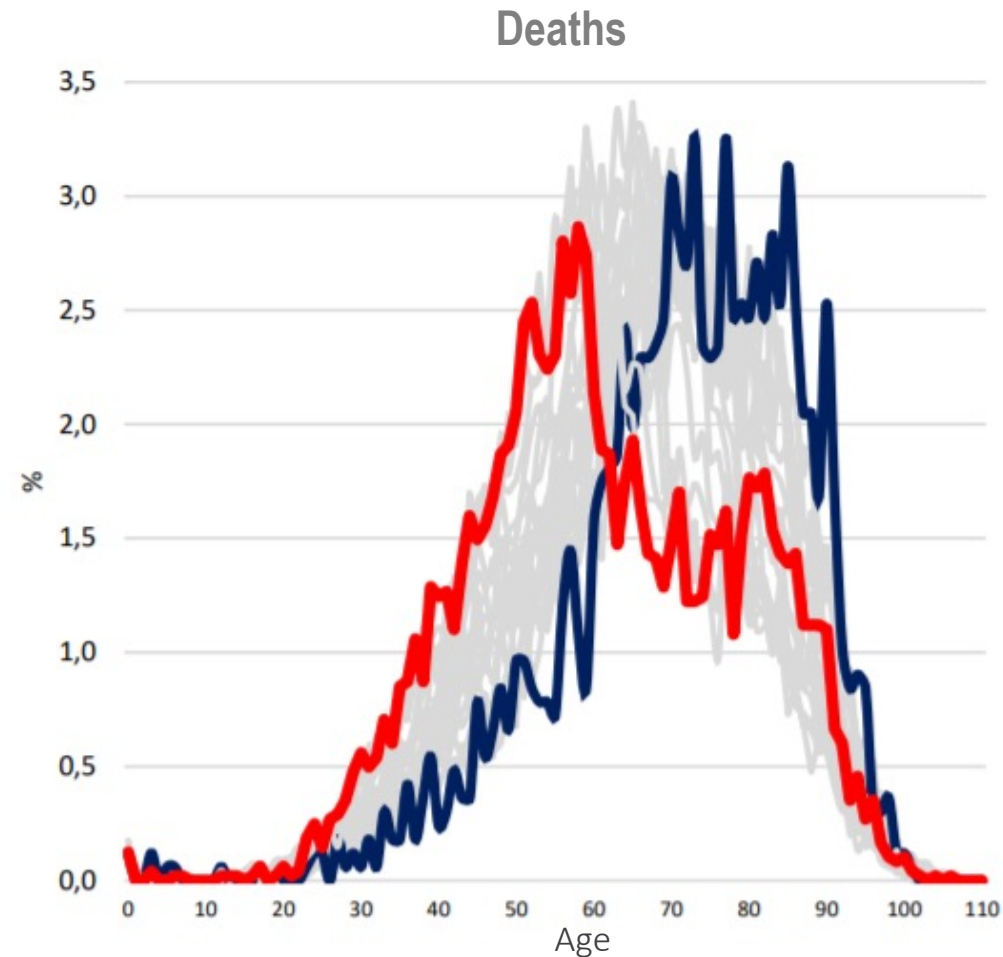
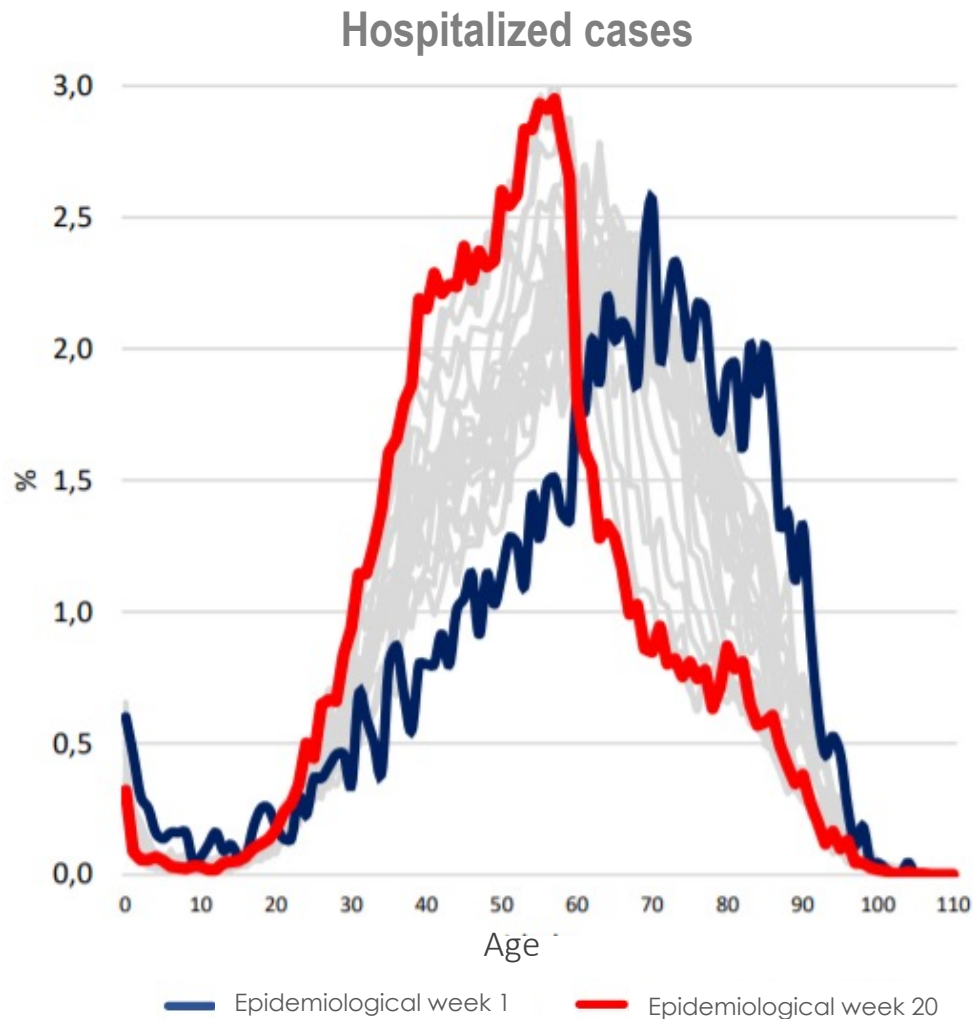
10.0% of worldwide COVID-19 cases

13.0% of worldwide COVID-19 deaths

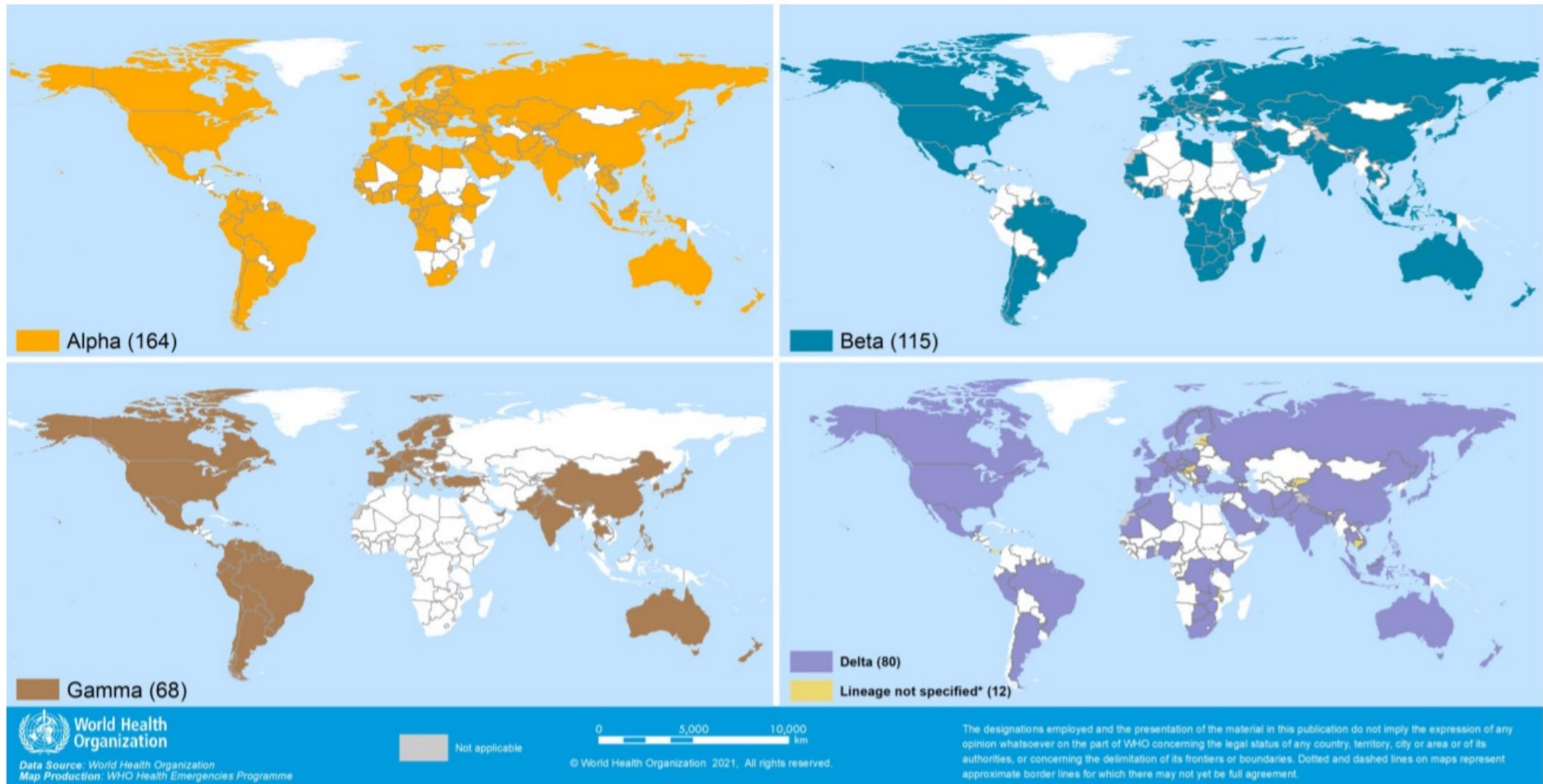


# Age and COVID-19 hospitalized cases and deaths in Brazil

Distribution of COVID-19 hospitalized cases and deaths according to age in Brazil, 2021



# Main SARS-CoV-2 strains worldwide

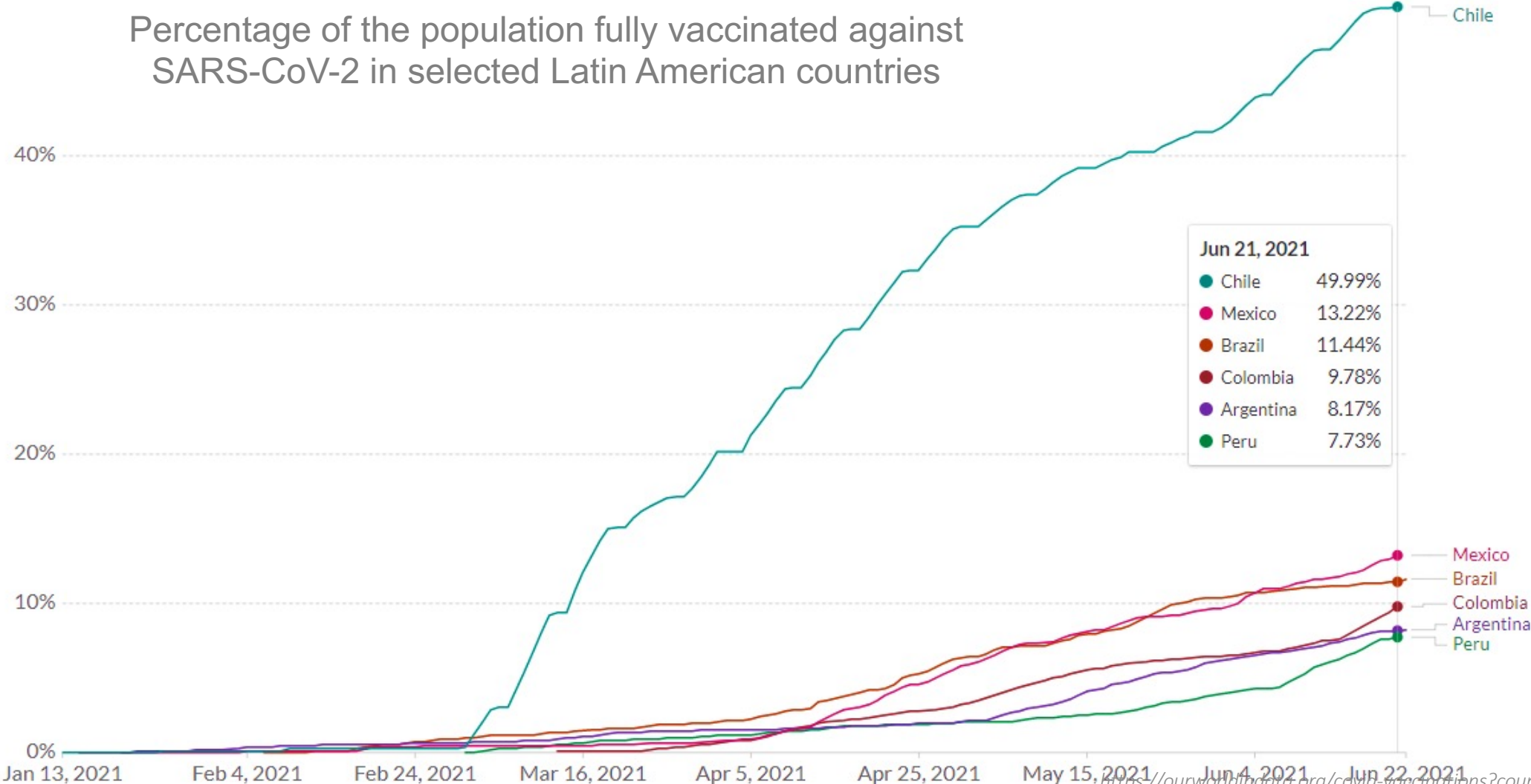


\*Includes countries/territories/areas reporting the detection of B.1.617 without further specification of lineage at this time. These will be reallocated as further details become available.

\*\*Countries/territories/areas highlighted include both official and unofficial reports of VOC detections, and do not presently differentiate between detections among travellers (e.g., at Points of Entry) or local community cases. Please see Annex 2 for further details

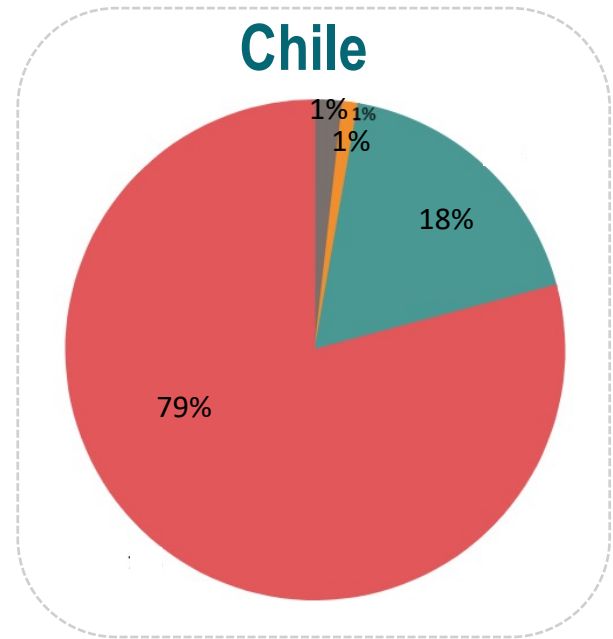
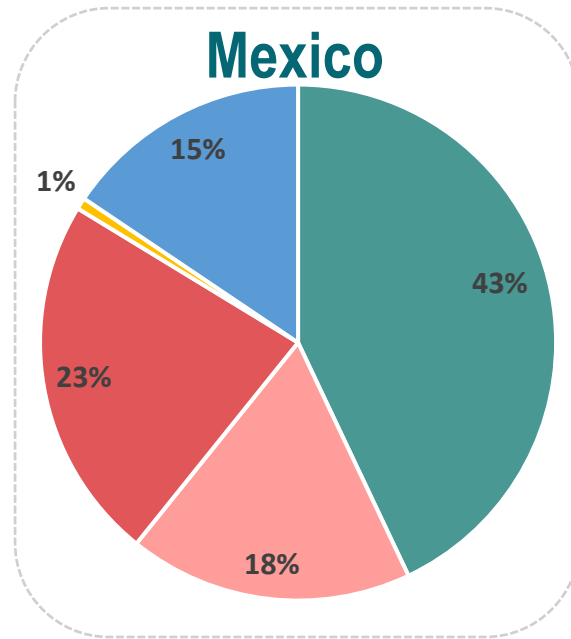
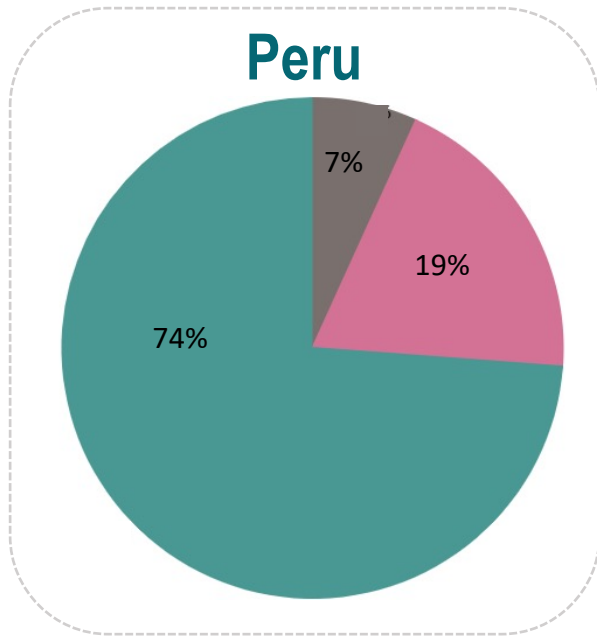
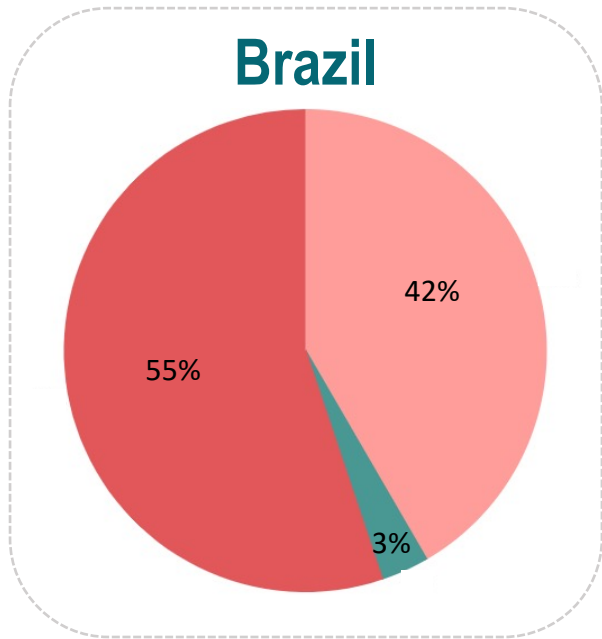
# COVID-19 vaccine rollout in Latin America

Percentage of the population fully vaccinated against SARS-CoV-2 in selected Latin American countries





# Total doses of COVID-19 vaccine in Latin America



- Non specified AZ
- Pfizer BioNTech - Comirnaty
- Sinovac - CoronaVac
- CanSino - Ad5-nCOV
- AstraZeneca - Vaxzevria
- Beijing CNBG - BBIBP-CorV
- Pfizer BioNTech - Comirnaty

# Public Health Challenges

- Insufficient and late COVID 19 diagnosis
- Fragile health care system-insufficient ICU beds
- Shortage of essential medications and oxygen
- Slow vaccination pace/use of vaccine with low effectiveness
- Vaccine effectiveness against the Gamma variant, insufficient sequencing infrastructure
- Anti-science environment
- Dramatic cuts in research funding/dismantle of science and technology institutions
- Highest brain drain in history

EL PAÍS

BRASIL

GOVERNO BRASIL JAIR BOLSONARO STF CONGRESSO NACIONAL COVID-19 ELEIÇÕES BRASIL

PANDEMIA DE CORONAVÍRUS >

## Ciência brasileira sofre com cortes de verbas e encara cenário dramático para pesquisas em 2021

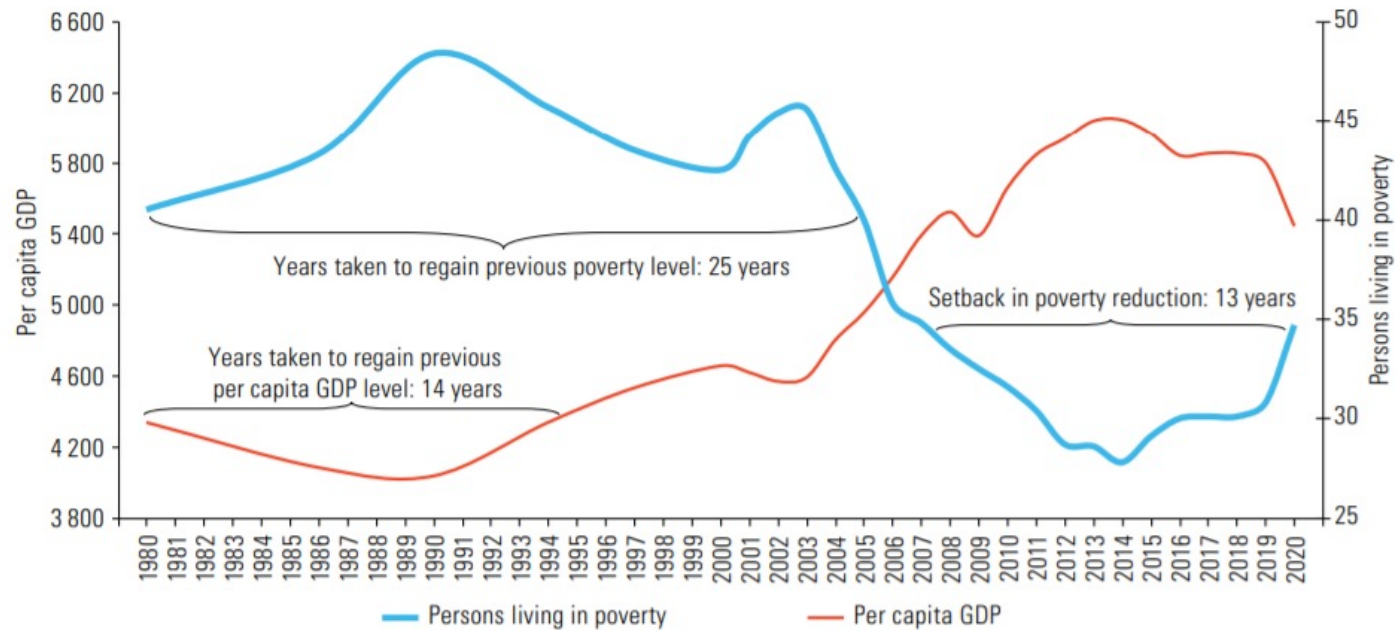
Em evidência na pandemia, cientistas temem impacto da redução de investimentos na luta contra o coronavírus. Aposta em inovação e tecnologia é motor na retomada de países desenvolvidos



Em 2019, protesto já cobrava mais investimentos em ciência. SPBC

# The social consequences of COVID-19

Latin America (18 countries): Per capita GDP and poverty levels, 1980-2020



[https://repositorio.cepal.org/bitstream/handle/11362/45603/1/S2000312\\_en.pdf](https://repositorio.cepal.org/bitstream/handle/11362/45603/1/S2000312_en.pdf)

Total families in extreme poverty in Brazil



<https://g1.globo.com/economia/noticia/2021/01/06/mais-de-14-milhoes-de-familias-vivem-na-extrema-pobreza-maior-numero-desde-2014.ghtml>

# Health as a human right: a call for action in Latin America

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# Thank you!



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