# Important early dates in the Covid-19 pandemic

- 30 Dec 2019: First notice of pneumonia cases in Wuhan
- 9 Jan 2020: Cause identified: a novel coronavirus
- 3 Feb 2020: Deaths worldwide pass 1,000
- 7 March 2020: Worldwide case count reaches 100,000
- 11 March 2020: WHO declares Covid-19 a pandemic
- 2 April 2020: Worldwide case count passes 1 million
- 10 April 2020: Worldwide deaths pass 100,000
- 28 Sept 2020: Worldwide deaths reach 1 million

www.thelancet.com Published online January 29, 2020 https://doi.org/10.1016/S0140-6736(20)30211-7

# Epidemiological and clinical characteristics of 99 cases of 2019 novel coronavirus pneumonia in Wuhan, China: a descriptive study

*Nanshan Chen*, Min Zhou*, Xuan Dong*, Jieming Qu*, Fengyun Gong, Yang Han, Yang Qiu, Jingli Wang, Ying Liu, Yuan Wei, Jia'an Xia, Ting Yu, Xinxin Zhang, Li Zhang*

## Summary

**Background** In December, 2019, a pneumonia associated with the 2019 novel coronavirus (2019-nCoV) emerged in Wuhan, China. We aimed to further clarify the epidemiological and clinical characteristics of 2019-nCoV pneumonia.

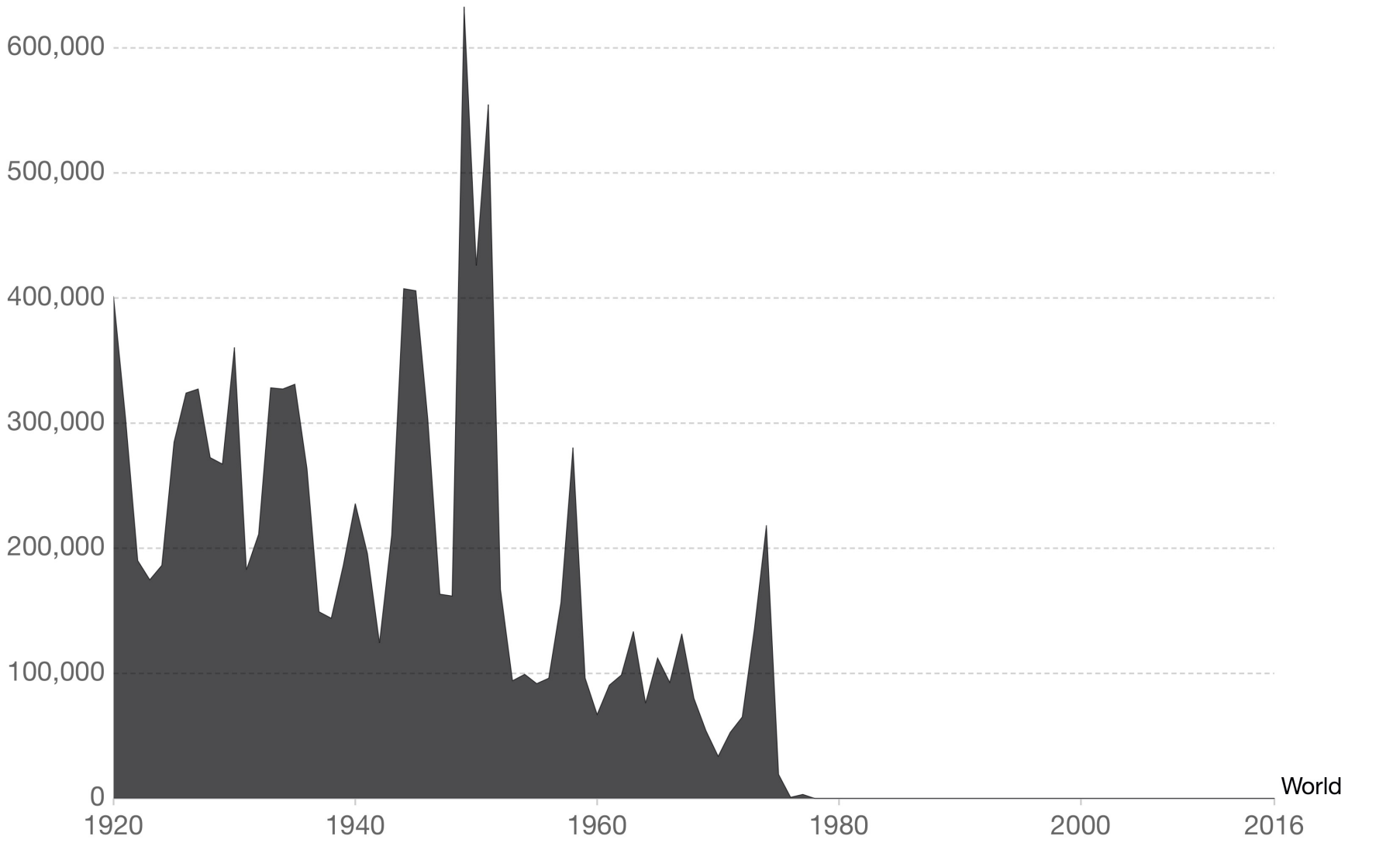
**Methods** In this retrospective, single-centre study, we included all confirmed cases of 2019-nCoV in Wuhan Jinyintan Hospital from Jan 1 to Jan 20, 2020. Cases were confirmed by real-time RT-PCR and were analysed for epidemiological, demographic, clinical, and radiological features and laboratory data. Outcomes were followed up until Jan 25, 2020.

Most patients were given antibiotic treatment (table 2); 25 (25%) patients were treated with a single antibiotic and 45 (45%) patients were given combination therapy. The antibiotics used generally covered common pathogens and some atypical pathogens; when secondary bacterial infection occurred, medication was administered according to the results of bacterial culture and drug sensitivity. The antibiotics used were cephalosporins, quinolones, carbapenems, tigecycline against methicillin-resistant *Staphylococcus aureus*, linezolid, and antifungal drugs. The duration of antibiotic treatment was 3–17 days (median 5 days [IQR 3–7]). 19 (19%) patients were also treated with methylprednisolone sodium succinate, methylprednisolone, and dexamethasone for 3–15 days (median 5 [3–7]).

All patients were treated in isolation. 75 (76%) patients received antiviral treatment, including oseltamivir (75 mg every 12 h, orally), ganciclovir (0·25 g every 12 h, intravenously), and lopinavir and ritonavir tablets (500 mg twice daily, orally). The duration of antiviral treatment was 3–14 days (median 3 days [IQR 3–6]).

*Georges Gaston Mélingue, 1796, public domain via Wikimedia Commons*

# Global number of reported smallpox cases



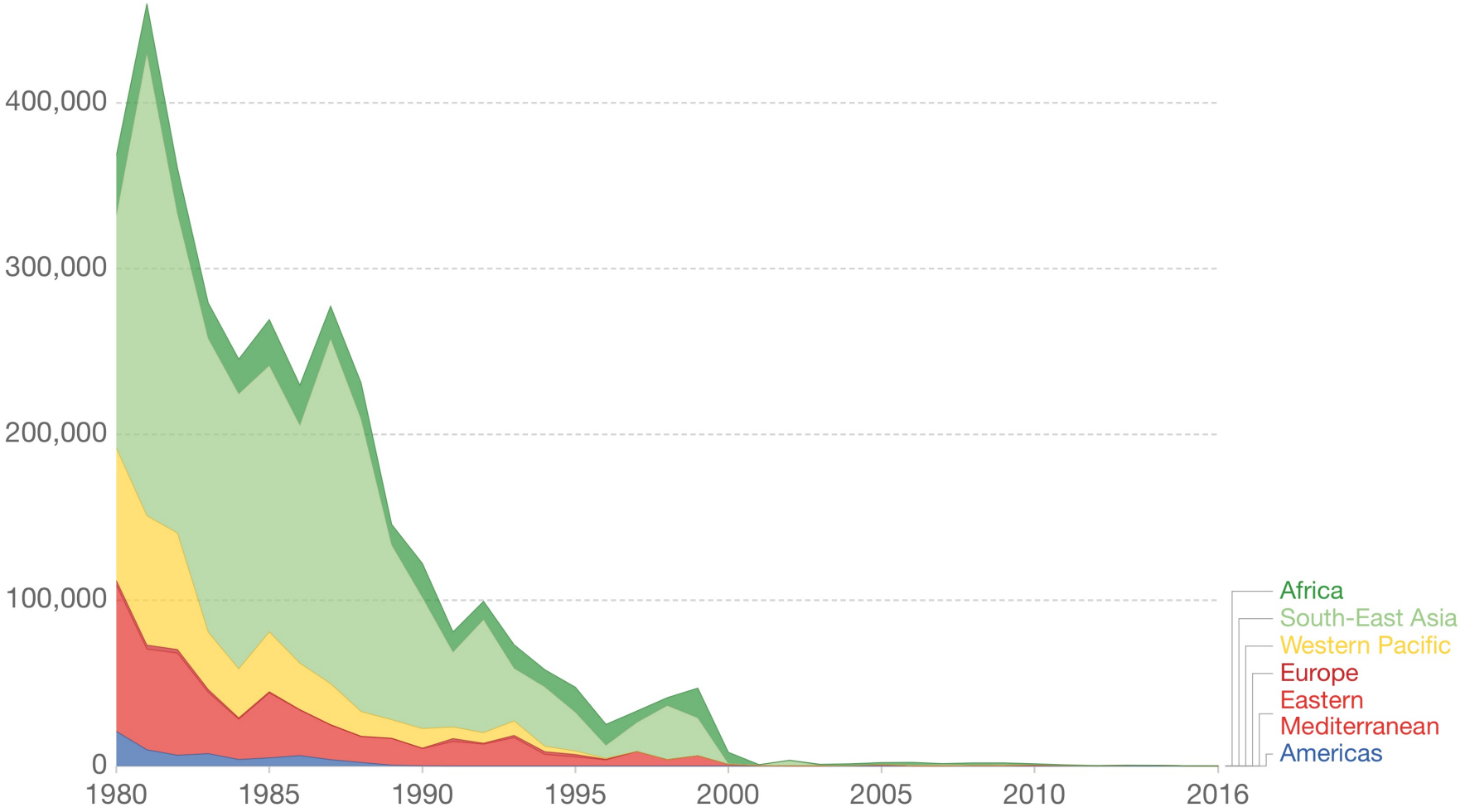

Source: World Health Organization (2011)



*https://ourworldindata.org/grapher/global-smallpox-cases*

# Polio cases by world region, 1980 to 2016

Shown is the estimate of the total number of paralytic polio cases.




Source: WHO (2018) and Tebbens et al. (2011)

OurWorldInData.org/polio/ • CC BY

Note: These estimates are based on a model by Tebbens et al. (2011) that multiplies the reported number of cases with a correction factor based on the quality of each country's surveillance system. After a country is certified polio-free, however, the reported polio cases are used.

*https://ourworldindata.org/grapher/number-of-estimated-paralytic-polio-cases-by-world-region*

# Reported cases and deaths of measles in the USA (1921-2015)

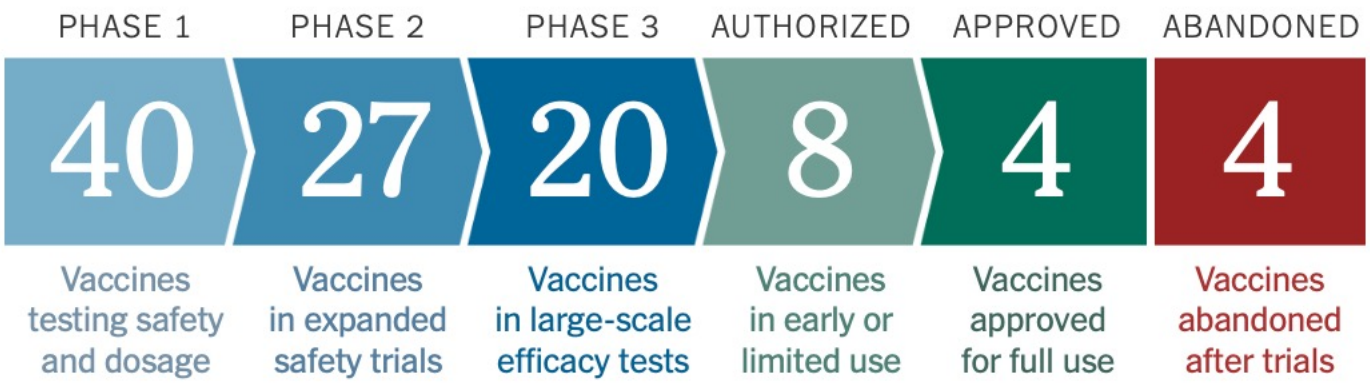

Source: Our World in Data (2017)

OurWorldInData.org/vaccination/ • CC BY

*https://ourworldindata.org/grapher/measles-cases-and-death*

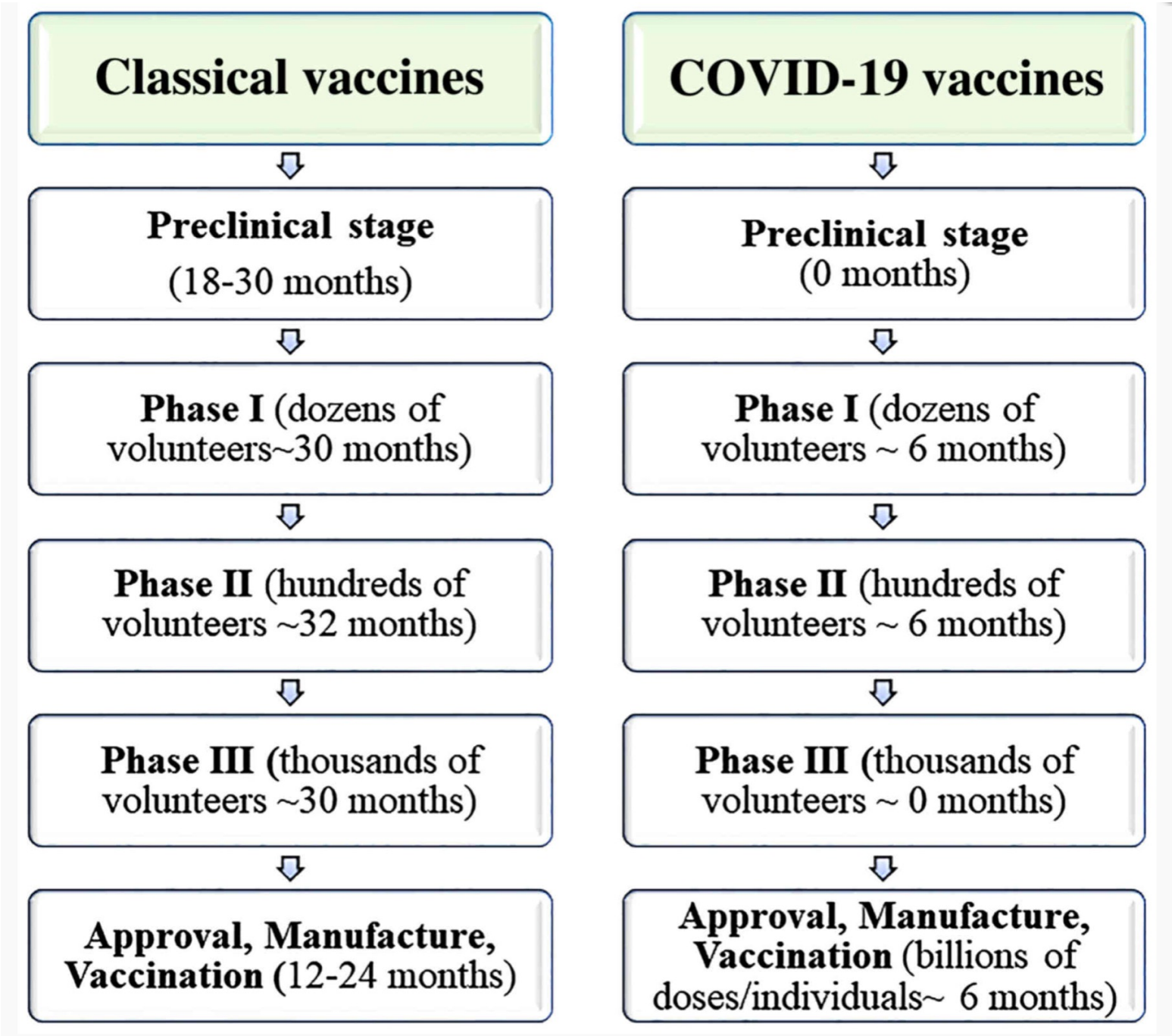
# Coronavirus Vaccine Tracker

By Carl Zimmer, Jonathan Corum and Sui-Lee Wee Updated Feb. 25, 2021




Vaccines typically require years of research and testing before reaching the clinic, but in 2020, scientists embarked on a race to produce safe and effective coronavirus vaccines in record time. Researchers are currently testing **71 vaccines** in clinical trials on humans, and 20 have reached the final stages of testing. At least 78 preclinical vaccines are under active investigation in animals.

*https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html*

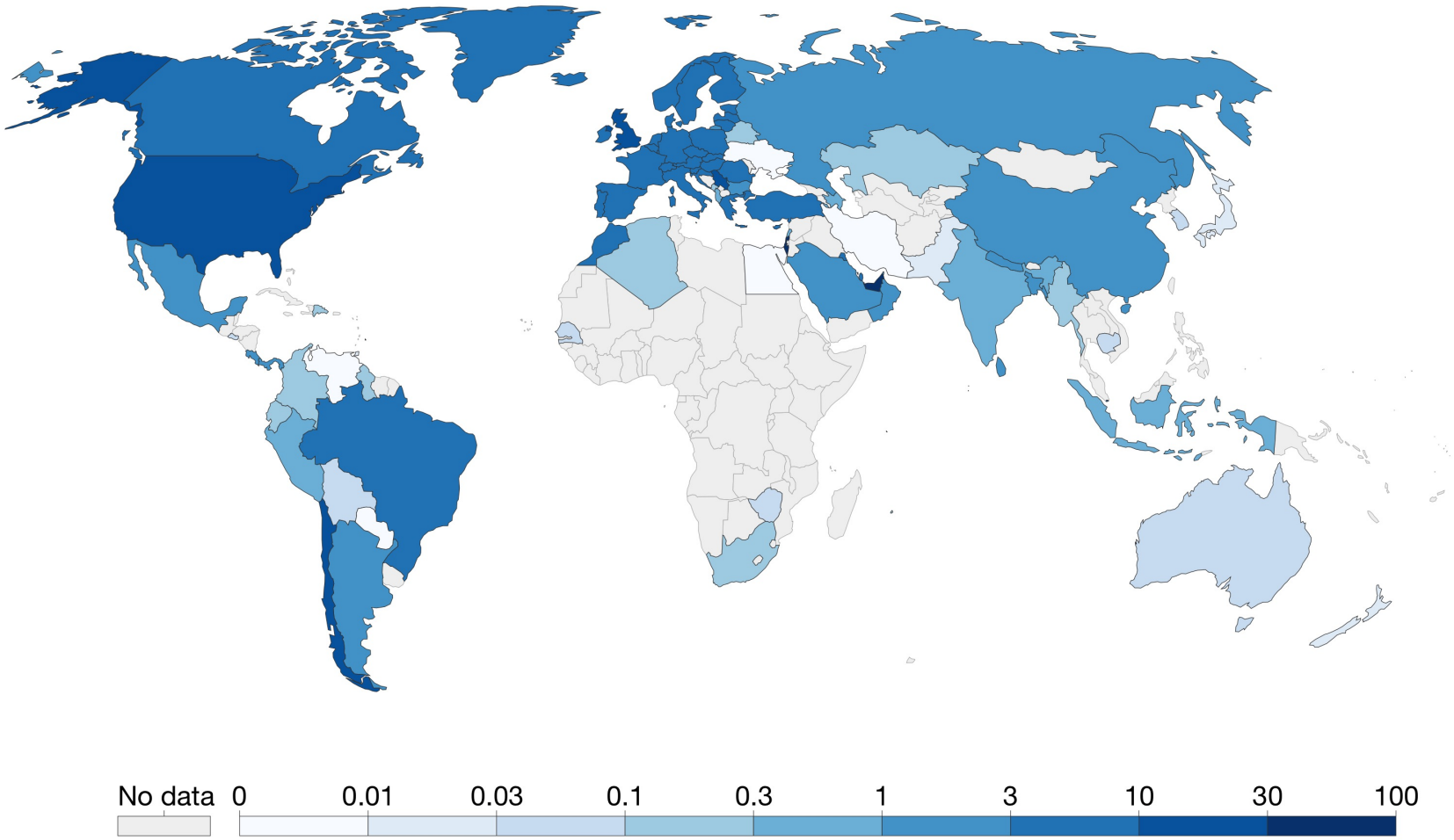



*Intl J Molecular Medicine, Calina et al., https://doi.org/10.3892/ijmm.2020.4596*

# COVID-19 vaccine doses administered per 100 people, Feb 26, 2021

Our World in Data

Total number of vaccination doses administered per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).




Source: Official data collated by Our World in Data – Last updated 27 February, 10:40 (London time) OurWorldInData.org/coronavirus • CC BY

*https://ourworldindata.org/grapher/covid-vaccination-doses-per-capita*