

A Look at Global COVID-19 Vaccine (In)equity

Joshua Michaud, Ph.D.

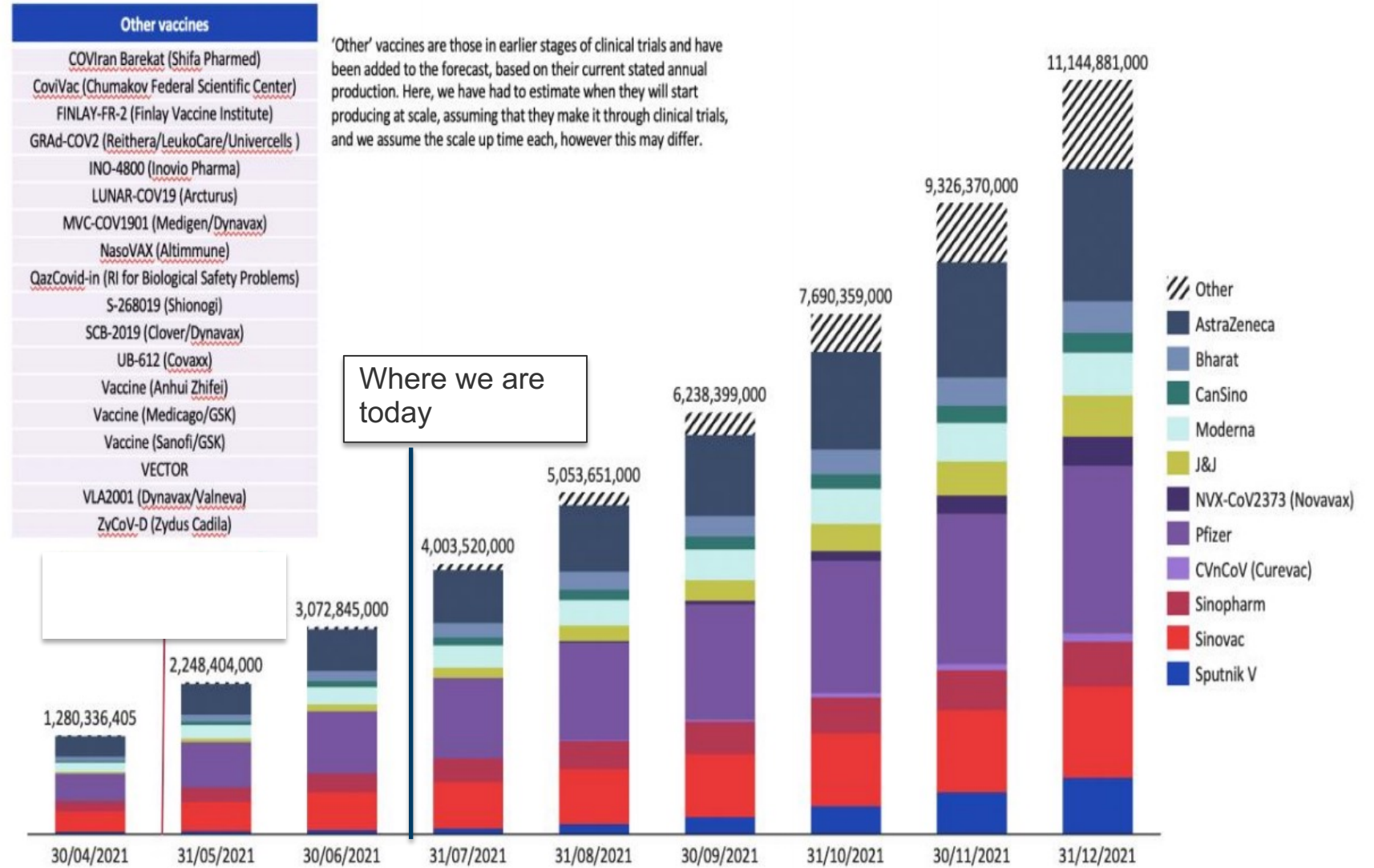
Associate Director, Global Health Policy

7/21/2021



Filling the need for trusted information on national health issues.

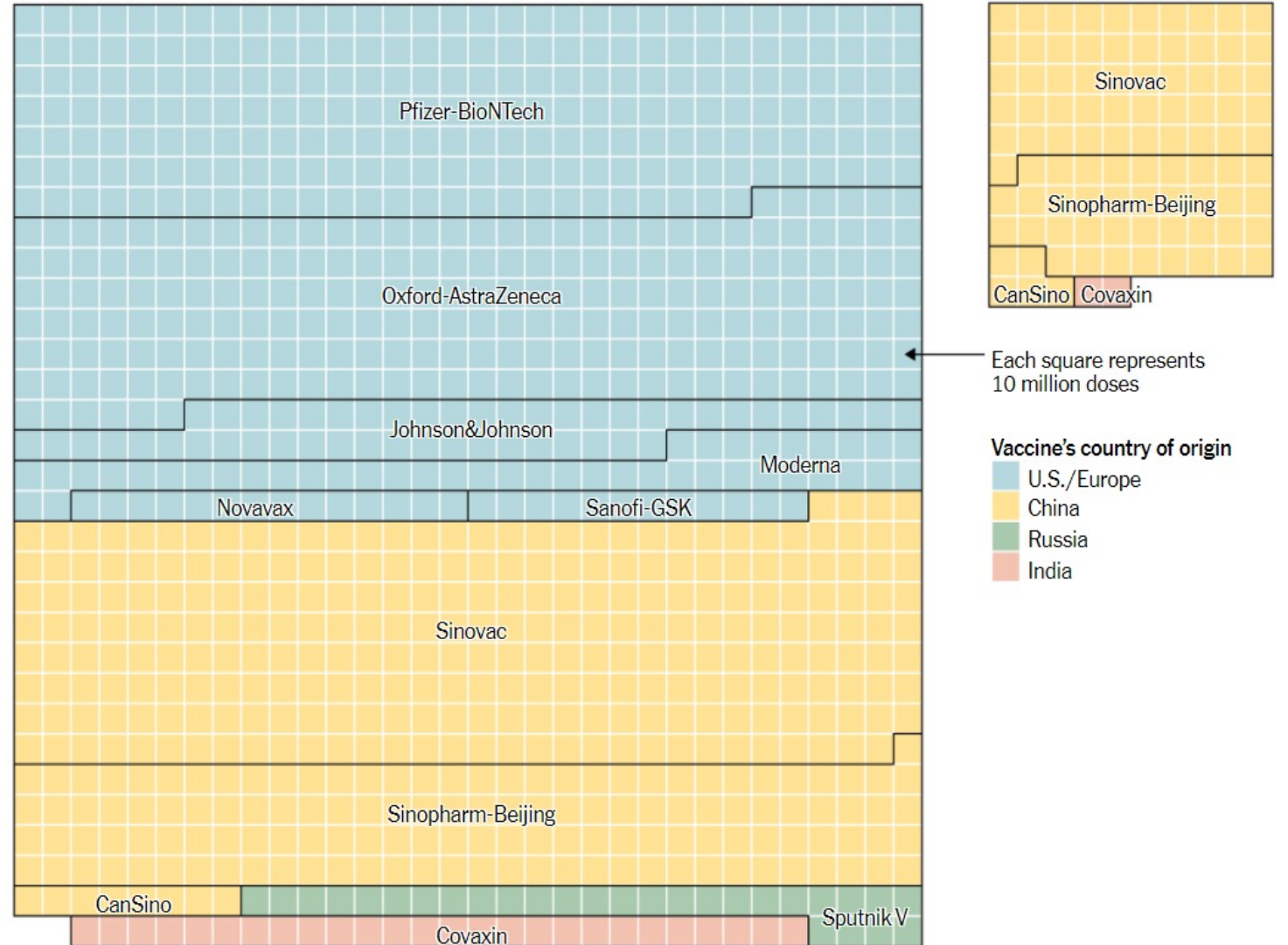
Estimated that 10 to 11 billion doses of COVID-19 vaccine may be produced this year



However, most vaccine doses have already been purchased; few are still available to buy

Vaccine makers are expected to have manufactured about 10.9 billion doses by the end of this year. Of those, 9.9 billion doses are already sold ...

... while only 950 million doses are still available to buy.



SOURCE: Airfinity
CREDIT: New York Times

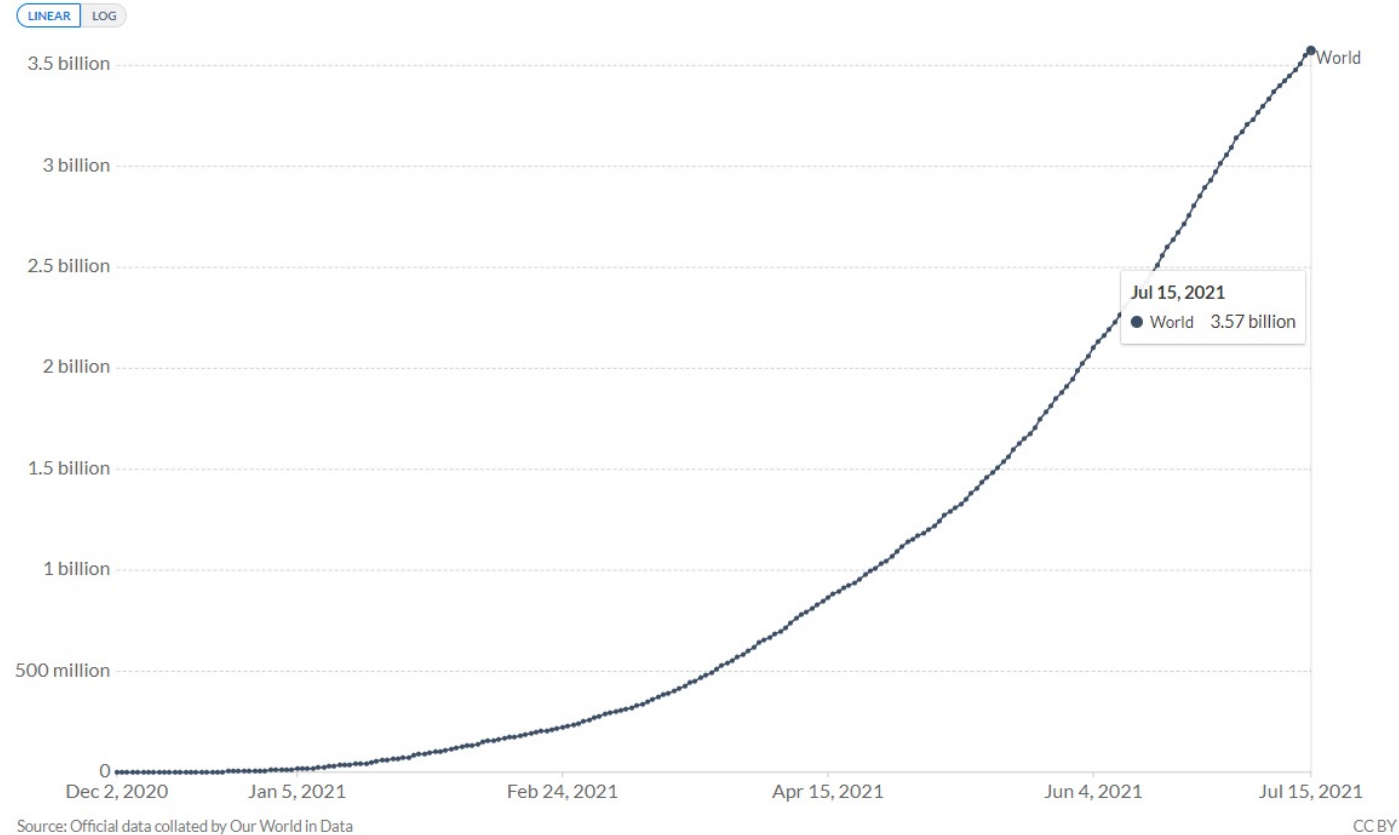
<https://www.nytimes.com/interactive/2021/07/16/world/africa/africa-vaccination-rollout.html>

3.5+ Billion COVID-19 Vaccine Doses Administered So Far

COVID-19 vaccine doses administered

For vaccines that require multiple doses, each individual dose is counted. As the same person may receive more than one dose, the number of doses can be higher than the number of people in the population.

Our World
in Data



SOURCE: Our World in Data
<https://ourworldindata.org/covid-vaccinations>

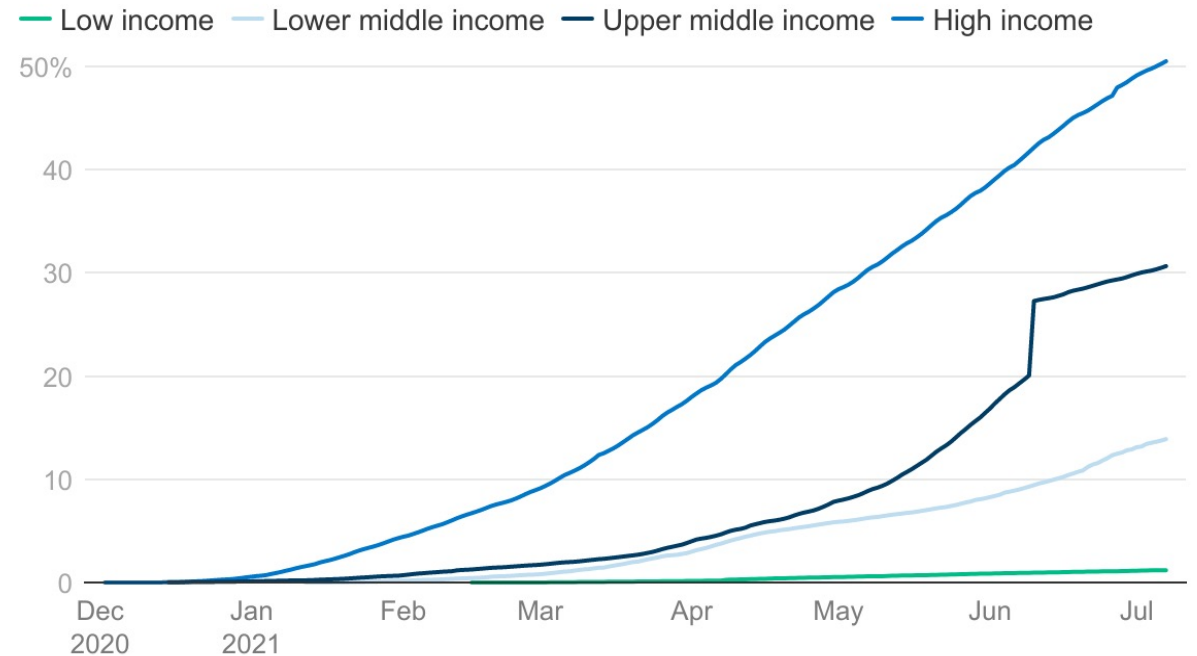
KFF

Vaccination Progress Varies Greatly by Country Income

- As of July 7, share of population that has received at least one vaccine dose in:

- High-income countries: 51%
- Upper-middle income: 31%
- Lower-middle income: 14%
- Low-income countries: 1%

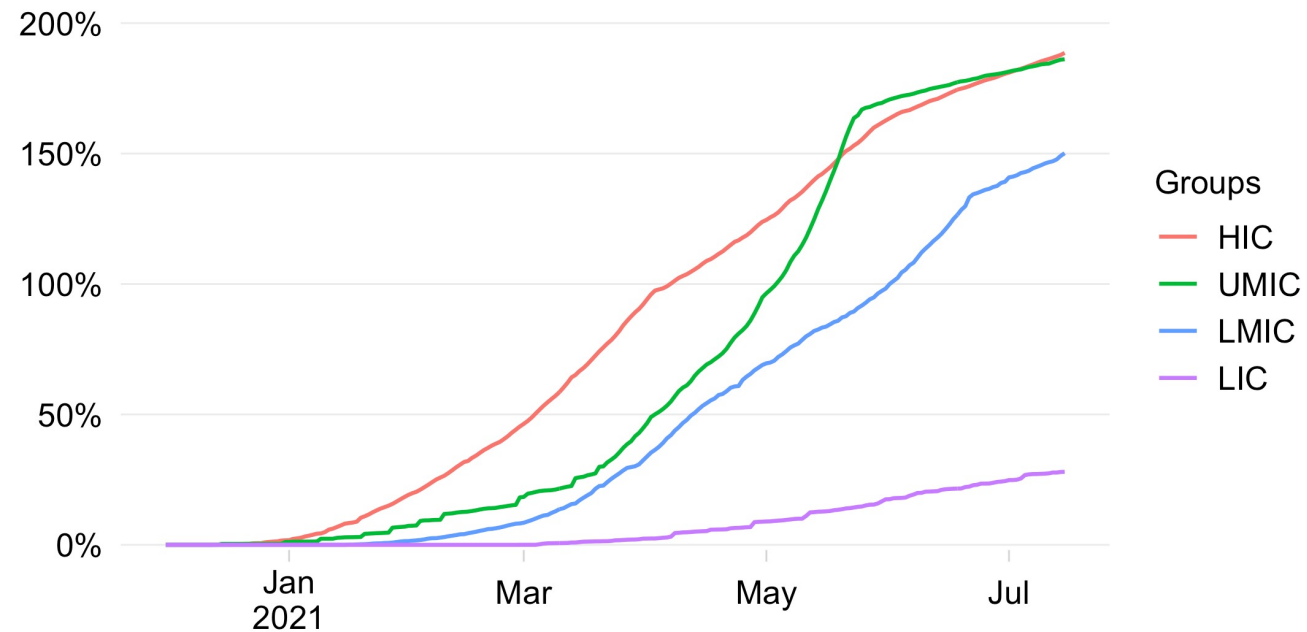
Share of Population That Has Received At Least One Dose by Income



SOURCE: KFF, “Tracking Global Vaccine Equity”, July 2021.

Low-Income Countries Haven't Been Able to Vaccinate Even the Highest Priority Populations

Evolution of vaccine coverage of health workers and seniors

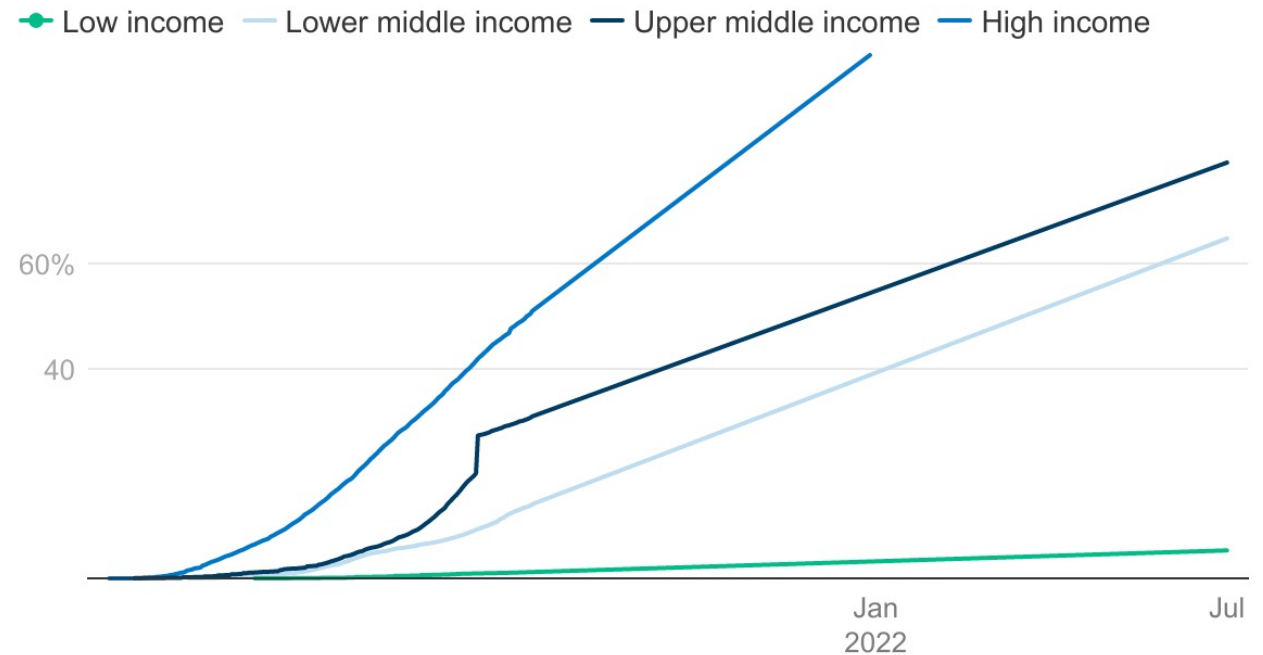


Source: Schellekens (2021); OWID; WDI; WHO; WPP. Updated: 2021-07-16. Latest: pandem-ic.com.
Note: Acronyms: high, upper-middle, lower-middle & low income countries. Priority group: population 60+ and physicians, nurses & midwives 60-. Ratio: capacity to cover population segment with single shots, censored at 200% at country level and with double-dose equivalence imposed on single-dose protocols (x2).

At Current Pace, Disparities Will Grow Between Countries of Different Income Levels

- Low-income countries will not reach global vaccination targets within a year at current pace
- Low-income countries would need to increase their daily vaccination rate by **nearly 19 times** to reach these goals

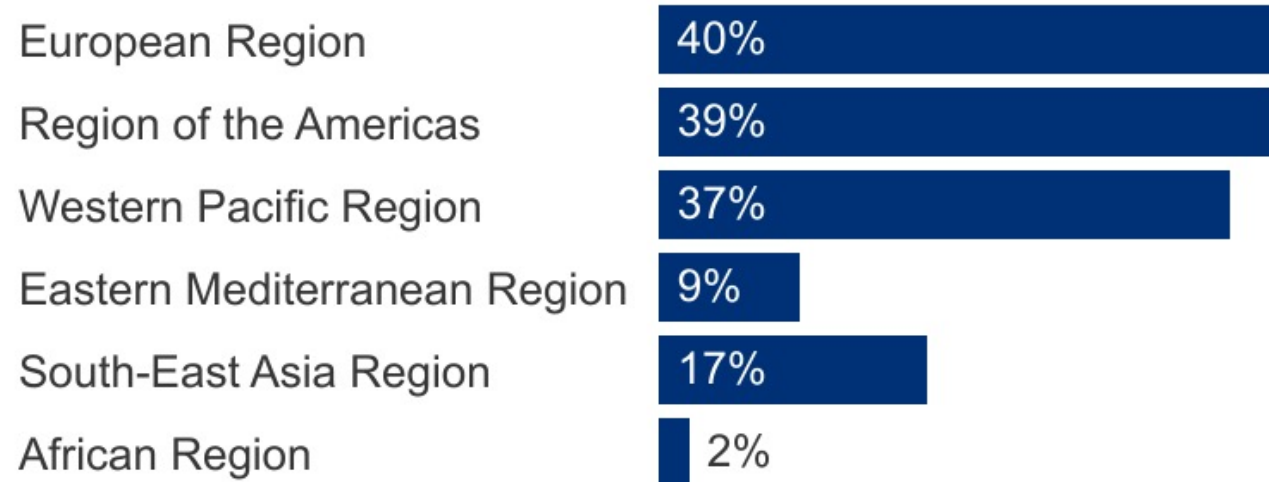
Projected Share of Population That Has Received At Least One Dose by Income Using Global Targets



SOURCE: KFF, "Tracking Global Vaccine Equity", July 2021.

Vaccination Coverage Highly Unequal by Region

Percent of Population That Has Received At Least One Dose, by Region



NOTE: World Health Organization regional designations; data as of July 7

SOURCE: KFF, "Tracking Global Vaccine Equity", July 2021

Our World
in DataOur World
in Data

SOURCE: Our World In Data
<https://ourworldindata.org/covid-vaccinations>

COVAX Facility supply forecast

AFRO Region

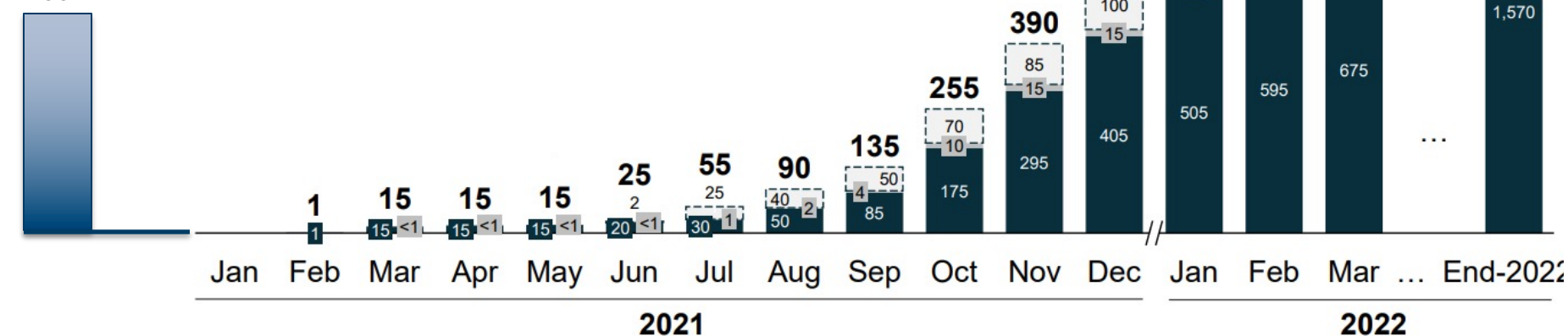
PRELIMINARY AND SUBJECT TO ASSUMPTIONS

COVAX Available Supply, Cumulative, M doses, 2021 and 2022¹

■ AMC ■ Max. SFP volume² □ Confirmed dose donations³

Total number of vaccine doses delivered in the US to date:

~400 M



NOTE: Data as of July 12, 2021

SOURCE: GAVI, the Vaccine Alliance

<https://www.gavi.org/sites/default/files/covid/covax/COVAX-Supply-Forecast.pdf>

Vaccine Donations

- G7 countries committed to donating 1 billion doses of COVID-19 vaccines globally by mid-2022
 - U.S. government pledged 500 million doses of the Pfizer vaccine (200 million by the end of 2021, and another 300 million by mid-2022)
 - U.K. and EU nations pledged to donate 500 million doses by mid-2022, with most of that supply coming in 2022
- Delivery on these pledges has proceeded slowly so far; UNICEF estimates a total of just over 100 million donated vaccine doses have actually been delivered to countries so far
- These pledges still represent just a small portion of vaccines procured by high income countries

Take Home Messages

- Large, growing gaps in global COVID-19 vaccine access and vaccination progress, with low-income countries and African countries being left further and further behind
- COVAX helps address the access gap, but supply constraints in the near term limit its ability to distribute large numbers of doses to countries most in need
- Donated vaccine doses provided by high income countries quite limited so far; most additional donated doses pledged by countries expected later in 2021 and into 2022

The background features a large, stylized blue 'K' shape on the left side, set against a light grey background. The right side of the image is white.

Thank you.