

COVID-19 Vaccine Supply Tracker Methodology

The “Secured and/or Expected Vaccine Supply” variable includes the following components:

1. Secured doses (excluding any optional doses on contracts) through bilateral agreements between countries and areas and vaccine manufacturers (excluding regional agreements which are handled separately below), collected through the COVAX Global Market Assessment by BMGF, CEPI, Gavi, PAHO Revolving Fund, UNICEF, and WHO largely leveraging public sources of information (e.g. press coverage).
2. Bilateral donations
 - a. Data from UNICEF, national authorities, and other public sources
3. Secured doses under the COVAX Facility
 - a. COVAX Advanced Market Commitment (AMC): assuming 40% coverage¹ for all AMC 91 economies, an estimated 300 million doses for India, 10% additional coverage for low-income countries, and 10% additional coverage for fragile and conflict-affected countries and areas
 - b. COVAX SFP: doses allocated to COVAX SFP-committed economies based on first several rounds of allocations
 - c. The final total secured doses from COVAX is calculated as below:
 - i. AMC countries: $\text{Max}(\text{COVAX allocated doses}, \text{COVAX AMC})$
 - ii. SFP countries: COVAX allocated doses
4. EU deal with manufacturers: member countries were allocated an amount proportional to their population
5. Other sources:
 - a. Subset of the 220 million J&J doses that have been ordered through the African Vaccine Acquisition Trust (AVAT) (excludes the 180 million optional doses)
 - b. Vaccines through COVAX cost-sharing mechanism
 - c. Direct purchases financed by the World Bank that have already been executed and may not appear in the bilateral agreements yet
6. Domestic production capacity
7. Adjustments:

¹ Assuming 2 doses per person. 40% coverage means total number of doses needed is 80% of population.

- a. Bilateral deals/bilateral donations/COVAX donations adjustments: based on secondary checks of the original numbers using various sources and dialogue with national authorities.
- b. Adjustments based on total vaccinations: when total vaccinations (based on WHO and Our World in Data reporting of the number of total vaccinations) is greater than the sum of secured doses under deals, adjustments are made to reflect higher supply availability.
- c. Adjustment based on total delivered doses: when total delivered doses (based on UNICEF COVID-19 Vaccine Market Dashboard) is greater than the sum of secured doses, adjustments are made to reflect higher supply availability.

Note the term “Secured and/or Expected Vaccine Supply” used here refers to doses countries and areas have committed to purchase under contracts with manufacturers. However, due to production schedules and issues as well as local absorption capacity constraints, these doses may be made available to countries over varying time frames. We estimate that, based on current production schedules adjusted by production capacity estimates, countries and areas may need to wait well into 2022 or beyond to receive these secured doses.