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International COVID-19 Data and Vaccine Distribution: Selected Resources

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The ongoing Coronavirus Disease 2019 (COVID-19) pandemic has spread to nearly every country worldwide, causing millions of cases and deaths as reported to the World Health Organization (WHO). The resources below provide information on tracking the international spread of the virus and global efforts to contain it through vaccine distribution, tests, and treatments.

These resources are not a comprehensive list of COVID-19 international data sources. Rather, they are a starting point that may help congressional staff find resources for frequently requested data. Some links may work best with the internet browsers Chrome or Firefox.

Readers may consider using caution when comparing data across sources, time frames, and geographies, as each resource may have differing methodologies and definitions that may change over time. For assistance in interpreting or analyzing these data, congressional staff may reach out to the Congressional Research Service (CRS) (202-707-5700, or place a research request at the CRS website).

For more information concerning the current state of vaccine distribution, please see CRS In Focus IF11796, *Global COVID-19 Vaccine Distribution*, coordinated by Sara M. Tharakan; for an overview of data resources concerning COVID-19 cases, hospitalizations, and deaths in the United States, please see CRS Report R46642, *COVID-19 Cases, Hospitalizations, and Deaths: Selected Resources for National, State, and Local Data*, by Angela Napili and Ada S. Cornell.

International COVID-19 Access to COVID-19 Tools Accelerator

- In April 2020, the WHO and partners launched the Access to COVID-19 Tools Accelerator (ACT-A) to accelerate the development, production, and distribution of COVID-19 diagnostics, therapeutics, and vaccines. Collaborating institutions include the Bill & Melinda Gates Foundation, the Coalition for Epidemic Preparedness Innovations (CEPI), FIND, Gavi, the Global Fund, Unitaid, Wellcome, WHO, and the World Bank. The ACT-A website provides more information on the ACT-A, including
  - Country Readiness and Delivery

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- Country Readiness and Delivery Frequently Asked Questions
- COVAX is the vaccines pillar of the ACT-Accelerator. It aims to accelerate the development and manufacture of COVID-19 vaccines and guarantee fair and equitable access for every country in the world. COVAX is co-led by CEPI, Gavi and WHO, alongside its key delivery partner, the United Nations Children's Fund (UNICEF). In the Americas, the Pan American Health Organization (PAHO) Revolving Fund is the recognized procurement agent for COVAX. The WHO-hosted COVAX website provides more information on COVAX, including
  - COVID-19 Vaccine Country Readiness and Delivery
  - The COVID-19 Vaccine Introduction Toolkit

International COVID-19 Tracking

The following U.S. and international organizations provide overview tools for tracking COVID-19 in countries and regions worldwide, including COVID-19 case and death numbers, vaccination rates, and the impact COVID-19 has had on local populations and economies:

- Centers for Disease Control and Prevention's (CDC's) COVID Data Tracker. The United States' lead public health agency collects and tracks the following international data by country:
  - COVID-19 cases and deaths, counts and rates
  - Percent change in COVID-19 cases and deaths reported in the past 7, 14, or 30 days
  - Epidemic curve trajectory classification
  - Vaccine doses administered and people vaccinated, counts and rates
- Humanitarian Data Exchange's (HDX's) COVID-19 Data Explorer: Global Humanitarian Operations. Run by the United Nations Office for the Coordination of Humanitarian Affairs (OCHA), HDX provides an interactive tool for exploring international COVID-19 data in combination with other relevant humanitarian data such as
  - Severe acute malnutrition
  - School closures
  - People in need
- The World Bank's Understanding the Coronavirus (COVID-19) Pandemic through Data website offers a series of interactive datasets on the effects of COVID-19 worldwide, including but not limited to
  - COVID-19 vs. other causes of death (see right-most tab on the chart, "Understanding the COVID-19 Pandemic through Data")
  - Impacts of coronavirus on remittances
  - Financial-sector support measures in response to the coronavirus
- WHO's Coronavirus (COVID-19) Dashboard includes data on confirmed COVID-19 cases and deaths by country and region; vaccines in use by country; and persons partly or fully vaccinated by country.

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International COVID-19 Vaccine Development and Distribution Tracking

The following websites provide tools focused on tracking the development, production, and distribution (i.e., shipments and deliveries) of COVID-19 vaccines in countries and regions worldwide.

- Gavi: The Vaccine Alliance's vaccine roll-out page allows users to explore vaccination status by country, including the date of the first doses received in each countries, the type(s) of all vaccines received, and the number of doses allocated. Gavi is a partnership between the WHO, UNICEF, the World Bank, and the Bill & Melinda Gates Foundation, among other organizations.
- UNICEF's Vaccine Market Dashboard provides updated information on
  - COVID-19 vaccine development and progress toward vaccine approvals,
  - Reported global vaccine production capacity,
  - Manufacturing agreements,
  - Vaccines secured and optioned through bilateral and multilateral supply agreements, and
  - Reported vaccine prices.

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