Collecting data on COVID-19 vaccines – the need for greater transparency

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GHC Knowledge Portal on Innovation and Access to Medicines

KNOWLEDGE PORTAL on innovation and access to medicines

A one-stop source providing open access information, research and analysis on policies relating to pharmaceutical innovation and access. Topics are organized under three interrelated themes: Pricing, Intellectual Property and Innovation. Resources include: research syntheses on a range of topics, data sources, webinars and a list of research gaps.

The Knowledge Portal aims to make existing knowledge more available and accessible to communities of policy & practice as a tool to achieve needs-driven innovation and globally-equitable access to medicines.

COVID-19 Research and Analysis
- COVID-19 Vaccine Access
- COVID-19 Vaccine Manufacturing
- COVID-19 Vaccine R&D Investments
- COVID-19 Data Resources

New webinar recording
Speakers: Joseph Larsen, Daniel P. Gross
- Biosecurity R&D: lessons from the U.S. from pre-COVID to post-Covid

https://www.knowledgeportalia.org/
Knowledge Portal – COVID-19 Data repository and analysis

- Lack of harmonized information systems
- Lack of transparency
- Increasing complexity in the global response

Who funds, develops and manufactures COVID-19 vaccines

Support stakeholders

Analysis for informing present and future policies.

https://www.knowledgeportalia.org/covid-19
COVID-19 Data repository -- Data sources

- Repositories & Databases
- News & press releases
- Social media (Twitter)

Vaccine Purchases
Manufacturing agreements
R&D investments
Vaccine Donations
Access to Vaccines – Data on COVID-19 Vaccine Purchases

Variables
- Vaccine type and developer location
- Regulatory status
- Purchaser and type of purchase deal
- Volume of doses
- Timelines
- Deal price
- Price per dose

(Lack of) Transparency in COVID-19 vaccine pricing
Access to Vaccines – Data on COVID-19 Vaccine Purchases

Percentage of recipients’ population covered by vaccine purchase arrangements

Source: https://public.tableau.com/views/COVID-19VaccineAccess/State3?embed=y& securing=false
Access to Vaccines – Data on COVID-19 Secondary Deals

Variables
- Donor country/entity
- Vaccine and developer location
- Recipient and type of arrangement (loan, donation, grant...)
- Transfer level (secondary or tertiary)
- Transfer type (direct, through intermediary)
- Volume of doses
- Timelines

Doses of COVID-19 vaccines donated, by recipient region

Donor Country

This graph shows the number of doses (in millions) donated by recipient region, arranged in descending order. Only donations with finalized commitments have been included here, and are broken down by the donor. Sources include media outlets and government publications. Last updated February 24, 2022.
Vaccine manufacturing

Variables

- Vaccine type and developer location
- Manufacturer, location and type
- Anticipated production (total or doses/year)
- Part of purchase agreement
- Government supported
- Stages of productions contracted
- Intended markets
- Licensing and/or commercialization rights
- Technology transfer
Vaccine R&D

Figure 3.1. Vaccine R&D Funding Flow: direct funding, secondary funding and funding to intermediaries (in millions USD)
How to download data & COVID-19 Resources
Key ideas and conclusions

• Despite wider availability of data and public announcements than in other therapeutic areas...

• Lack of transparency and collective information systems in key aspects...

• ...reduces accountability and evaluation
THANK YOU!