Overview and information on COVID-19 R&D resources

Taghreed Adam, MD, PhD

Emerging Tech, Research Prioritisation & Support Unit (EPS)
Research for Health Department, Science Division
World Health Organization
28 February 2022
What is the Global Observatory on Health R&D?

- A comprehensive source for up-to-date global information and analysis on health R&D, including resources, processes, outputs.
- Supports evidence-informed decisions related to R&D gaps, funding and capacity.
- Scope: all health and health-related fields and all types of research
- Target users: Governments, policy-makers, funders, researchers.

New url: [https://www.who.int/observatories/global-observatory-on-health-research-and-development](https://www.who.int/observatories/global-observatory-on-health-research-and-development)
Watch explainer video on what the Observatory is and what it includes:

https://www.youtube.com/watch?v=_1juHYqyKgw
Content is organized in six sections:

- Monitoring inputs, processes and outputs
- Benchmarking
- R&D indicators
- Analyses and syntheses
- Databases and resources
- Classifications and standards
Examples of data that can be explored interactively

- **How much is spent on health R&D** by country from domestic and international sources
- **Which diseases, countries, institutions** were awarded **grants** for biomedical research from major international funders and **how much was awarded**
- **How many clinical trials** are ongoing or completed **by disease, country, phase** over the past 20 years
- What health **products** (e.g., medicines, vaccines) are under development and which are on market for all diseases, allowing assessment of gaps and opportunities
- **How many health researchers, teaching institutions, academic degrees** available for health research by **country, city and discipline**

**Underway:**

- **how many publications** by country of **first author**, **disease**, institutions, **top funders**, top journals—over the past 10 years
Examples of data infographics that can be explored interactively (currently 25)

➢ COVID-19 R&D resources on WHO and external websites
➢ Interactive data infographics—analyzed by the Observatory
Globa resources on COVID-19 R&D

• Collated by the Global Observatory on Health R&D
• Updated regularly: Link to resources page

Information and links is organized under the following sections:
• WHO response to R&D for COVID 19
• clinical trials
• health products
• funding
• publications (research)
• research (projects)
• clinical data
Clinical trials

Clinical trials from WHO ICTRP data source
(data from 1999-2021)

Can explored by:
• year
• country
• Disease or condition
• phase of development
• age, sex and number of participants

Link to infographic
Health products in the pipeline (AdisInsight)

> 107,000 product indications (medicines, vaccines and diagnostics incl. chemical entity)

Across all diseases from discovery to market launch

Updated monthly

Link to infographic
Added value

- A harmonized and consistent approach across the whole (R&D) space and all health conditions

- An expanding analysis of unexploited data sources to enhance knowledge and information sharing
  -- emanating from WHO’s assessment of unmet public health needs and its identified priorities.
Acknowledging funding support

The Observatory gratefully acknowledges the financial support of (in alphabetical order since inception):

- European Commission
- Government of France
- Government of Germany
- Government of Switzerland
- Government of the United States of America

For more information: https://www.who.int/observatories/global-observatory-on-health-research-and-development Email: rd-observatory@who.int