



Vaccines and Global Health: The Week in Review
8 May 2021 :: Issue 606
Center for Vaccine Ethics & Policy (CVEP)

This weekly digest targets news, events, announcements, articles and research in the vaccine and global health ethics and policy space and is aggregated from key governmental, NGO, international organization and industry sources, key peer-reviewed journals, and other media channels. This summary proceeds from the broad base of themes and issues monitored by the Center for Vaccine Ethics & Policy in its work: it is not intended to be exhaustive in its coverage.

*Vaccines and Global Health: The Week in Review is published as a PDF and scheduled for release each Saturday [U.S.] at midnight [0000 GMT-5]. The PDF is posted and the elements of each edition are presented as a set of blog posts at <https://centerforvaccineethicsandpolicy.net>. **This blog allows full text searching of over 21,000 entries.***

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Milestones :: Perspectives :: Research

Editor's Note:

As is obvious to all, the sheer volume of strategic announcements, regulatory actions, country program decisions, commentary, and, indeed, misinformation around COVID response continues at extraordinary levels. Our weekly digest strives to present a coherent and comprehensive snapshot, but cannot be exhaustive. If you recognize a missed strategic development, a new source of rigorous analysis, or an insight/commentary that would benefit our common understanding, please advise me...we will review suggestions and consider inclusion in a subsequent edition:

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G7 Foreign and Development Ministers' Meeting, May 2021: communiqué

Published 5 May 2021

[Excerpts]

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2. We affirm the need to take collective action on the most pressing foreign and security challenges. The COVID-19 pandemic has underscored that global challenges require global collaboration. We reaffirm that investments in health systems will strengthen economic growth and our ability to respond to future pandemic threats. We reaffirm our commitment to working with developing partner countries, especially in Africa, to achieve a green, inclusive and sustainable recovery from COVID-19, aligned with the 2030 Agenda and the Paris Agreement, including urgent equitable access to vaccines, therapeutics and diagnostics. We commit to supporting developing partner countries to tackle and prevent the interlinked threats of conflict, climate change, poverty, food insecurity, and the health, humanitarian, human rights and economic effects of COVID-19; and building back better so that we are more prepared for future pandemics. We are deeply concerned that the pandemic has further set back progress towards the Sustainable Development Goals (SDGs). We commit to making increased efforts towards achieving the SDGs by 2030, and commit to ensuring that no-one is left behind...

Enabling equitable global access to COVID-19 vaccines, therapeutics and diagnostics (VTDs)

62. We affirm our belief that commitment to an open, transparent and multilateral approach is essential in responding to the global health impacts of COVID-19. **A global health emergency on this scale requires co-ordinated action and global solidarity. We reaffirm our support for all existing pillars of Access to COVID-19 Tools Accelerator (ACT-A), including its COVAX facility.** We recognise that equipping the ACT-Accelerator with adequate funding is central. We support the strengthening of health systems, and affordable and equitable global access to vaccines, therapeutics and diagnostics, and we will further increase our efforts to support affordable and equitable access for people in need, taking approaches consistent with members' commitments to incentivise innovation... In this context, we look forward to the COVAX Advance Market Commitment (AMC) Summit to be co-hosted by Gavi and Japan following the COVAX AMC One World Protected Event co-hosted by Gavi and US.

63. We commit to the G7 Foreign and Development Ministers' Equitable Access and Collaboration Statement to help accelerate the end of the acute phase of the COVID-19 pandemic. We

commit to supporting COVAX financially, including by encouraging pledges to the Facility, including at the COVAX AMC Summit in June, disbursing as soon as possible, providing in-kind contributions, and coordinating with and using **COVAX, which is the key mechanism for global sharing of vaccines to supplement its own direct procurement, to enable the rapid equitable deployment of vaccines.**

64. We support the work of G7 Health Ministers and continued G7 efforts to work with partners to improve pandemic preparedness and global health security, with WHO as the leading and co-ordinating authority, to strengthen health systems, develop solutions that embed a One Health approach, tackle antimicrobial resistance, and accelerate progress towards universal health coverage and the health-related Sustainable Development Goals. **We welcome the establishment of the One Health High Level Experts Panel supported by WHO, FAO, OIE and UNEP...**

65. We note the continuing need to support health systems and health security and secure sustainable financing, together with partner countries' domestic resources, to help accelerate global vaccine development and deployment, recover and then sustain access to essential health and nutrition services and health commodities, including in humanitarian settings and for sexual and reproductive health and rights, and to bolster the global health architecture for pandemic preparedness, including through stronger rapid response mechanisms... **We look forward to working with G7 Finance Ministers to build consensus on practical actions to facilitate access to existing global financing sources to meet demands for access to COVID-19 vaccines, therapeutics and diagnostics**, as well as how best to tackle the ACT-A funding gaps, with the aim of shortening the lifespan of the pandemic and with particular focus on the needs of vulnerable countries. In this regard, we look forward to the outcomes of the Independent Panel for Pandemic Preparedness and Response (IPPPR) initiated by the WHO, and the High Level Independent Panel on financing the global commons for pandemic preparedness and response (HLIP) established by the G20...

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[WHO, Germany launch new global hub for pandemic and epidemic intelligence](#)

5 May 2021 Joint News Release

Geneva/Berlin

*:: The WHO Hub for Pandemic and Epidemic Intelligence will be **a global platform for pandemic and epidemic intelligence, creating shared and networked access to vital multi-sectoral data, driving innovations in data analytics and building the communities of practice needed to predict, prevent, detect, prepare for and respond to worldwide health threats.***

:: The WHO Hub will be a new global collaboration of countries and partners worldwide, driving innovations to increase availability and linkage of diverse data; develop tools and predictive models for risk analysis; and to monitor disease control measures and infodemics.

:: The WHO Hub will enable partners from around the world to collaborate and co-create the tools and data access that all countries need to prepare, detect and respond to pandemic and epidemic risks.

The World Health Organization (WHO) and the Federal Republic of Germany will establish a new global hub for pandemic and epidemic intelligence, data, surveillance and analytics innovation. The Hub, based in Berlin and working with partners around the world, will lead innovations in data analytics across the largest network of global data to predict, prevent, detect prepare for and respond to pandemic and epidemic risks worldwide.

H.E. German Federal Chancellor Dr Angela Merkel said: "The current Covid-19 pandemic has taught us that we can only fight pandemics and epidemics together. The new WHO Hub will be a global platform for pandemic prevention, bringing together various governmental, academic and private sector institutions. I am delighted that WHO chose Berlin as its location and invite partners from all around the world to contribute to the WHO hub."

The WHO Hub for Pandemic and Epidemic Intelligence is part of WHO's Health Emergencies Programme and will be a new collaboration of countries and partners worldwide, driving innovations to increase availability and linkage of diverse data; develop tools and predictive models for risk analysis; and to monitor disease control measures, community acceptance and infodemics. Critically, the WHO Hub will support the work of public health experts and policy-makers in all countries with insights so they can take rapid decisions to prevent and respond to future public health emergencies...

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Joint Statement on transparency and data integrity - International Coalition of Medicines Regulatory Authorities (ICMRA) and the World Health Organization (WHO)

7 May 2021

ICMRA* and WHO call on the pharmaceutical industry to provide wide access to clinical data for all new medicines and vaccines (whether full or conditional approval, under emergency use, or rejected). Clinical trial reports should be published without redaction of confidential information for reasons of overriding public health interest.

The COVID-19 pandemic has brought into sharp focus the need for information and data to support academics, researchers and industry in developing vaccines and therapeutics; to support regulators and health authorities in their decision-making; to support healthcare professionals in their treatment decisions; and to support public confidence in the vaccines and therapeutics being deployed.

While some initiatives have met with stakeholder support (e.g. WHO International Clinical Trials Registry Platform, US NIH ClinicalTrials.gov database, Health Canada Clinical Information Portal, EMA Clinical Trials Register and Japan Registry of Clinical Trials), not all past efforts have been successful. Often this was because they were unsustainable due to reliance on goodwill or lack of appropriate resourcing**.

The common aim of these initiatives is to ensure that results of research are accessible to all those involved in health care decision-making. The priority should be for new innovative medicines and vaccines. This improves transparency and strengthens the validity and value of the scientific evidence base. To succeed, initiatives need multi-stakeholder engagement aimed at finding solutions that deliver benefits for public health.

Regulators continue to spend considerable resources negotiating transparency with sponsors. Both positive and negative clinically relevant data should be made available, while only personal data and individual patient data should be redacted. In any case, aggregated data are unlikely to lead to re-identification of personal data and techniques of anonymisation can be used.

The first benefit is public trust. Regulators are opening their decisions to public scrutiny demonstrating confidence in their work.

Another benefit is the possible check of data integrity, a scientific necessity and an ethical must. Data must be robust, exhaustive and verifiable, through peer-review. Data integrity is priceless. Wrong regulatory decisions, made on selected or unreliable data, will affect the patients who receive that medicine.

Lack of public access to negative trials has been identified as a source of bias, which weakens the conclusions of systematic reviews and provides a false sense of reassurance on the safety or efficacy of the medicine.

Publication of data allows science to advance faster, by avoiding repetition of unnecessary trials and waste of resources (human and financial). This also brings benefits by improving the efficiency of development programmes and reducing both development costs and time. Publication of data also allows secondary analyses (and meta-analysis) which have a different or complementary focus.

Many public bodies have made open access a requirement as data are a common good. Providing access to data is also owed to trial participants who contributed physically and took the potential research risks.

Not all data are of high quality, and increased public scrutiny should eventually improve the overall quality of data. Resources however are needed for data sharing, and systems for such access need to be established. Standardisation of data will allow better analyses but is not a requirement.

While there may be a small risk of misuse of data (piracy or data mining for unfair commercial purpose) and misinterpretation, trial data can be put in context when published with the regulatory review of such data.

Data must be published at the time of finalisation of the regulatory review. It cannot be justified to keep confidential efficacy and safety data of a medicine available on the market, or which has been refused access to the market. **Some regulators regularly publish the data that support positive approvals, but fewer do this for rejections**, while this should avoid false expectations, misuse (accidental or not) and safety issues. Many completed trials on publication platforms only disclose protocols while results remain partial, outdated or unpublished.

ICMRA and WHO are conscious of concerns that some stakeholders may have as regulators move to greater levels of transparency, but we remain confident of the overwhelming positive public health benefits of doing so.

Providing systematic public access to data supporting approvals and rejections of medicines reviewed by regulators, is long overdue despite existing initiatives, such as those from the European Medicines Agency and Health Canada. The COVID-19 pandemic has revealed how essential to public trust access to data is. **ICMRA and WHO call on the pharmaceutical industry to commit, within short timelines, and without waiting for legal changes, to provide voluntary unrestricted access to trial results data for the benefit of public health.**

** ICMRA is a voluntary coalition of leaders of medicines regulatory authorities that provides strategic directions for enhanced cooperation, improved communication and effective global crisis response mechanisms.*

*** E.g. Past declarations and private initiatives abandoned or not followed through include:*

-- Walsh F (26 February 2013), "Drug firm Roche pledges greater access to trials data"

-- Alltrials Campaign, <https://www.alltrials.net/> (most recent data from March 2019)

-- WHO and multi-party Joint statement on public disclosure of results from clinical trials, 18 May 2017 (accessed [here](#), March 2021).

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IFPMA Response on Joint Statement on transparency and data integrity by International Coalition of Medicines

Geneva, 7 May 2021 – The R&D-based biopharmaceutical industry is fully committed to enhancing public health through responsible sharing of clinical trial data in a manner that ensures safeguarding the privacy of patients, clinical investigators and trial participants; respecting the integrity of national regulatory systems; and maintaining incentives for investment in biomedical research.

We recognize the call from ICMRA & WHO to share knowledge and information with the scientific community to better inform patients, healthcare providers and researchers and the public about ongoing regulatory processes and procedures to facilitate trust in our shared interest in providing safe and efficacious treatments and vaccines. We are widely supportive of sharing data and providing access to clinical trial results.

The R&D-based industry provides access to trial results data for the benefit of public health. For example, biopharmaceutical companies routinely collaborate with academic researchers, publish their clinical research in peer-reviewed literature, and share clinical trial information including results on public websites (such as WHO International Clinical Trials Registry Platform, US NIH ClinicalTrials.gov database, Health Canada Clinical Information Portal, EU Clinical Trials Register, EMA's Clinical Data Website and Japan Registry of Clinical Trials). In addition to enhance patient understanding about the clinical trials in which they have participated, biopharmaceutical companies are collaborating with national regulatory authorities to adopt mechanisms for providing lay summaries of clinical trial results to research participants consistent with applicable laws and rules.

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Report – Powering Vaccine R&D: Opportunities for Transformation

SABIN-ASPEN VACCINE SCIENCE & POLICY GROUP

This publication is based on work funded by the Bill & Melinda Gates Foundation and the Wellcome Trust.

2021 :: 164 pages

PDF: <https://www.sabinaspengroup.org/app/uploads/2021/05/Sabin-Aspen-Report-2021.pdf>

Press Release

Vaccine Science and Policy Experts Call for Transformation of Vaccine R&D Enterprise

WASHINGTON, D.C. – May 4, 2021 – As the world continues to grapple with the significant impact of the COVID-19 pandemic, **the global community face an urgent need to develop an efficient,**

coordinated and sustainable model for a healthy and well-functioning vaccine research and development (R&D) ecosystem.

In a new report, "[Powering Vaccine R&D: Opportunities for Transformation](#)," the Sabin-Aspen Vaccine Science & Policy Group uses lessons learned from the rapid development of COVID-19 vaccines to explore opportunities to overhaul vaccine R&D practices to better prepare for the next pandemic, to make strides against diseases currently without vaccines, and to establish next-generation vaccines that offer meaningful improvements.

"The COVID pandemic and the rapid development of vaccines to fight SARS-CoV-2 have heightened our sense of urgency that the time has come to evolve and reform the vaccine R&D ecosystem with the goal of creating a world free of vaccine-preventable diseases," said Shirley M. Tilghman, PhD, co-chair of the Group and president emeritus and professor emeritus of Molecular Biology and Public Affairs at Princeton University.

"This report reflects our group's end-to-end thinking on vaccine science and policy, from continued innovation in developing and deploying vaccines, through equitable distribution of vaccines in low- and middle-income countries, to overcoming vaccine hesitancy and realizing the full benefit of vaccines to individuals, families, and society," adds Harvey V. Fineberg, MD, PhD, co-chair of the Group and president of the Gordon and Betty Moore Foundation.

Despite remarkable accomplishments in recent years, including the new vaccine development platforms that have enabled the rapid response to COVID-19, challenges and structural barriers remain that have slowed the development of new and improved vaccines.

The report focuses on five "Big Ideas" that aim to stimulate a more efficient and responsive approach to vaccine research and development:

:: Define leadership roles, responsibilities, and mechanisms of accountability to prepare for the R&D demands that surface in a pandemic, including a leadership model that engages diverse stakeholders, expertise and institutions from across the globe.

:: Propel a transdisciplinary research effort to expand and advance vaccine science, including support for a research infrastructure that creates opportunities for novel and high-risk/high-reward ideas, leverages lessons from other scientific areas, ranging from the chemistry and physics of vaccine formulation to the immunologic basis of protection, and creates two-way learning opportunities between research focused on pandemics and on longstanding endemic diseases.

:: Restructure regulatory science to reflect advances in vaccine R&D to make vaccine trials faster, nimbler, and more cost-effective as well as to enhance product scale-up and manufacturing and post-market surveillance.

:: Reimagine clinical trials to feature equity and efficiency as prime drivers, with lower- and middle-income countries as full partners in clinical trial development at every stage.

:: Position vaccines as a public good and align incentives so that benefits accrue to all sectors of society, including a strong push to develop or maintain policies and practices that promote information sharing and collaborative problem-solving.

These recommendations offer the opportunity to advance and accelerate vaccine development and should be a critical part of any effort to reexamine and restructure the R&D component of the vaccine/vaccination ecosystem, a particularly relevant undertaking as the world continues to address and learn lessons from the COVID-19 response.

"The rapid generation and distribution of effective COVID-19 vaccines have demonstrated the efficiency that can be achieved through heightened collaboration, cooperation and data sharing across multiple contributing disciplines," said Bob Tepper, Group member and co-founder and partner at Third Rock Ventures. "This offers a blueprint for the future where worldwide coordination of scientific, clinical, regulatory and distribution efforts must be established as the new norm."

The Sabin-Aspen Vaccine Science & Policy Group is a partnership which brings together senior leaders across many disciplines to examine some of the most challenging vaccine-related issues and drive impactful change. The meeting of the Sabin-Aspen Vaccine Science & Policy Group and its research and report were funded by the Bill & Melinda Gates Foundation and the Wellcome Trust.

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COVID Vaccines IP – TRIPS Waiver Debate

[Statement from Ambassador Katherine Tai on the Covid-19 Trips Waiver](#)

05/05/2021

WASHINGTON – United States Trade Representative Katherine Tai today released a statement announcing the Biden-Harris Administration's support for waiving intellectual property protections for COVID-19 vaccines.

"This is a global health crisis, and the extraordinary circumstances of the COVID-19 pandemic call for extraordinary measures. The Administration believes strongly in intellectual property protections, but in service of ending this pandemic, supports the waiver of those protections for COVID-19 vaccines. We will actively participate in text-based negotiations at the World Trade Organization (WTO) needed to make that happen. Those negotiations will take time given the consensus-based nature of the institution and the complexity of the issues involved.

"The Administration's aim is to get as many safe and effective vaccines to as many people as fast as possible. As our vaccine supply for the American people is secured, the Administration will continue to ramp up its efforts – working with the private sector and all possible partners – to expand vaccine manufacturing and distribution. It will also work to increase the raw materials needed to produce those vaccines."

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[WHO Director-General commends United States decision to support temporary waiver on intellectual property rights for COVID-19 vaccines](#)

5 May 2021 News release

WHO Director-General Dr Tedros Adhanom Ghebreyesus praised the commitment by the United States administration of President Joe Biden and Vice-President Kamala Harris to support the temporary waiver of intellectual property on COVID-19 vaccines in a bold move to end the pandemic as quickly as possible.

“This is a monumental moment in the fight against COVID-19. The commitment by the President of the United States Joe Biden and Ambassador Katherine Tai, the US Trade Representative, to support the waiver of IP protections on vaccines is a powerful example of American leadership to address global health challenges,” said Dr Tedros...

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Unitaid statement on US support for IP waiver for COVID-19 vaccines

Geneva, 6th May 2021 –

Unitaid welcomes the decision of the United States government to support a waiver of intellectual property protections for COVID-19 vaccines.

This is an important step forwards for equitable access in the context of the current World Trade Organization (WTO) negotiations around Trade-Related Aspects of Intellectual Property Rights (TRIPS), and we applaud the leadership of President Joe Biden, Vice-President Kamala Harris, and Ambassador Katherine Tai.

Alongside vaccines, there is a need to have broad access to all the tools to fight COVID-19 – including treatments – for low- and middle-income countries in Africa, Asia, and Latin America, which are currently carrying the heaviest burden of the pandemic.

An important component, alongside the waiver of intellectual property rights, will be the transfer of technology, so that manufacturers can receive the know-how to scale up production quickly. This equally applies to therapeutic products such as monoclonal antibodies, which could be an important tool in the COVID-19 response.

The current crisis of rising case numbers, new variants and constrained oxygen supply illustrates the urgent need for rapid action both in-country and at a global level. We encourage the international community to mobilise to make the tools to fight COVID-19 available to everyone, everywhere.

Marisol Touraine, Chair of the Unitaid Executive Board

Dr Philippe Duneton, Executive Director, Unitaid

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IFPMA Statement on WTO TRIPS Intellectual Property Waiver

Geneva, 5 May 2021 – The decision of the US administration to support a patent waiver for COVID-19 vaccines is disappointing. We are fully aligned with the goal to ensure COVID-19 vaccines are quickly and equitably shared around the world. But, as we have consistently stated, **a waiver is the simple but the wrong answer to what is a complex problem.** Waiving patents of COVID-19 vaccines will not increase production nor provide practical solutions needed to battle this global health crisis. On the contrary, it is likely to lead to disruption; while distracting from addressing the real challenges in scaling up production and distribution of COVID-19 vaccines globally: namely elimination of trade barriers, addressing bottlenecks in supply chains and scarcity of raw materials and ingredients in the supply chain, and a willingness by rich countries to start sharing doses with poor countries.

While the decision of the US administration does not address the real challenges in vaccinating the world, industry will not waver in its commitment to provide safe, effective and quality vaccines and therapeutics. We will continue to leave no stone unturned to further scale up manufacturing of COVID-19 vaccines, as no one is safe until everyone is safe. **The international intellectual property system has given companies confidence to engage in more than 200 technology transfer agreements to expand delivery on COVID-19 vaccines based on unprecedented partnerships between vaccine industrialized and developing country vaccine**

manufacturers. The only way to ensure quick scaling up of and equitable vaccine access to all those in need remains pragmatic and constructive dialogue with the private sector.

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PhRMA Statement on WTO TRIPS Intellectual Property Waiver

WASHINGTON, D.C. (May 5, 2021) – Pharmaceutical Research and Manufacturers of America (PhRMA) president and CEO Stephen J. Uhl made the following statement after the United States Trade Representative expressed support for a proposal to waive patent protections for COVID-19 medicines:

"In the midst of a deadly pandemic, the Biden Administration has taken an unprecedented step that will undermine our global response to the pandemic and compromise safety. This decision will sow confusion between public and private partners, further weaken already strained supply chains and foster the proliferation of counterfeit vaccines.

"This change in longstanding American policy will not save lives. It also flies in the face of President Biden's stated policy of building up American infrastructure and creating jobs by handing over American innovations to countries looking to undermine our leadership in biomedical discovery. This decision does nothing to address the real challenges to getting more shots in arms, including last-mile distribution and limited availability of raw materials. These are the real challenges we face that this empty promise ignores.

"In the past few days alone, we've seen more American vaccine exports, increased production targets from manufacturers, new commitments to COVAX and unprecedented aid for India during its devastating COVID-19 surge. **Biopharmaceutical manufacturers are fully committed to providing global access to COVID-19 vaccines, and they are collaborating at a scale that was previously unimaginable, including more than 200 manufacturing and other partnerships to date.** The biopharmaceutical industry shares the goal to get as many people vaccinated as quickly as possible, and we hope we can all re-focus on that shared objective."

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Support of "TRIPS" Waiver Sets Dangerous Precedent - BIO

May 5, 2021

Dr. Michelle McMurry-Heath, president and CEO of the Biotechnology Innovation Organization (BIO), released the following statement in response to the White House's support of waiving critical intellectual property rights for COVID-19...

..."Handing needy countries a recipe book without the ingredients, safeguards, and sizable workforce needed will not help people waiting for the vaccine. Handing them the blueprint to construct a kitchen that - in optimal conditions - can take a year to build will not help us stop the emergence of dangerous new COVID variants. The better alternative would have been to follow through on the President's pledge just last week to make the United States the world's "arsenal of vaccines". This policy leads in the opposite direction....

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COVID Vaccines – OCHA:: HDX

[COVID-19 Data Explorer: Global Humanitarian Operations](#)

COVID-19 Vaccine Roll-out

Apr 30, 2021 | COVAX (WHO,GAVI,CEPI), UNDESA, Press Reports | [DATA](#)

Global COVID-19 Figures: 149M total confirmed cases; 3.1M total confirmed deaths

Global vaccines administered: 1.24B

Number of Countries: 26

COVAX First Allocations (Number of Doses): 73M

COVAX Delivered (Number of Doses): 13M

Other Delivered (Number of Doses): 24M

Total Delivered (Number of Doses): 36M

Total Administered (Number of Doses): 15M

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Coronavirus [COVID-19] - WHO

Public Health Emergency of International Concern (PHEIC)

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>

Weekly Epidemiological and Operational updates

Last update: 8 May 2021

Confirmed cases :: 156 496 592 [week ago: 50 989 419]

Confirmed deaths :: 3 264 143 [week ago: 3 173 576]

Vaccine doses administered: 1 171 658 745

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[Weekly operational update on COVID-19 - 3 May 2021](#)

Overview

In this edition of the Weekly Operational Update on COVID-19, highlights of country-level actions and WHO support to Member States include:

- :: Addressing critical gaps urgently in India
- :: Lifesaving supplies donated to Gambia for the COVID-19 response
- :: Medical oxygen delivery and trainings in Somalia
- :: Training national laboratory mentors in Kazakhstan
- :: Essential equipment handed over to support Mongolia
- :: Strengthening the COVID-19 response with OpenWHO in Indonesia
- :: Hosting a webinar on safe, functional, climate-resilient and environmentally sustainable health facilities post-COVID-19
- :: The Strategic Preparedness and Response Plan (SPRP) 2021 resource requirements and progress made to continue investing in the COVID-19 response and for building the architecture to prepare for, prevent and mitigate future health emergencies
- :: Updates on WHO/PAHO procured items, Partners Platform, implementation of the Unity Studies, and select indicators from the COVID-19 Monitoring and Evaluation Framework

[Weekly epidemiological update on COVID-19 - 4 May 2021](#)

Overview

For the second successive week, the number of COVID-19 cases globally remains at the highest levels since the beginning of the pandemic with over 5.7 million new weekly cases, following nine consecutive weeks of increases. New deaths continue to increase for the seventh consecutive week, with over 93 000 deaths. The South-East Asia Region continues to report marked increases in both case and death incidences.

In this edition, special focus updates are provided on:

:: World Hand Hygiene Day, 5 May 2021

:: WHO partnership with SeroTracker — synthesizing “real-time” seroprevalence data to support global pandemic response

:: SARS-CoV-2 variants

Table 2: SARS-CoV-2 variants of concern (VOC) and variants of interest (VOI), as of 4 May 2021*

	Nextstrain clade	Pango lineage	GISAID clade	Alternate name	First detected in	Earliest samples	Characteristic spike mutations
VOC	20I/501Y.V1	B.1.1.7	GR/501Y.V1	VOC 202012/01*	United Kingdom	Sep 2020	69/70del, 144del, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H
	20H/501Y.V2*	B.1.351	GH/501Y.V2*	VOC 202012/02	South Africa	Aug 2020	D80A, D215G, 241/243del, K417N, E484K, N501Y, D614G, A701V
	20J/501Y.V3	B.1.1.28.1, alias P.1*	GR/501Y.V3	VOC 202101/02	Brazil and Japan	Dec 2020	L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G H655Y, T1027I, V1176F
VOI	20A/S.484K	B.1.525	G/484K.V3	-	United Kingdom and Nigeria	Dec 2020	Q52R, A67V, 69/70del, 144del, E484K, D614G, Q677H, F888L
	20C/S.452R	B.1.427/ B.1.429	GH/452R.V1	CAL.20C/L452R	United States of America	Jun 2020	S13I, W152C, L452R, D614G
	20B/S.484K	B.1.1.28.2, alias P.2	GR	-	Brazil	Apr 2020	E484K, D614G, V1176F
	-	B.1.1.28.3, alias P.3	-	PHL-B.1.1.28	Philippines and Japan	Feb 2021	141/143del, E484K, N501Y, D614G P681H, E1092K, H1101Y, V1176F
	20C	B.1.526 with E484K or S477N	GH	-	United States of America	Nov 2020	L5F, T95I, D253G, D614G, A701V, E484K or S477N
	20C	B.1.616	GH	-	France	Jan 2021	H66D, G142V, 144del, D215G, V483A, D614G, H655Y, G669S, Q949R, N1187D
	-	B.1.617	G/452R.V3	-	India	Oct 2020	L452R, D614G, P681R, ±E484Q

*While work is ongoing to establish standardized nomenclature for key variants, these are the names by which WHO will refer to them in this publication.

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WHO – COVID Vaccines EUAL, Prequalification, SAGE Meetings/Recommendations

[WHO lists additional COVID-19 vaccine for emergency use and issues interim policy recommendations](#)

7 May 2021 *News release*

WHO today listed the Sinopharm COVID-19 vaccine for emergency use, giving the green light for this vaccine to be rolled out globally. The Sinopharm vaccine is produced by Beijing Bio-Institute of Biological Products Co Ltd, subsidiary of China National Biotec Group (CNBG).

"The addition of this vaccine has the potential to rapidly accelerate COVID-19 vaccine access for countries seeking to protect health workers and populations at risk," said Dr Mariângela Simão, WHO Assistant-Director General for Access to Health Products. **"We urge the manufacturer to participate in the COVAX Facility and contribute to the goal of more equitable vaccine distribution."**

WHO's Emergency Use Listing (EUL) is a prerequisite for COVAX Facility vaccine supply. It also allows countries to expedite their own regulatory approval to import and administer COVID-19 vaccines.

The EUL assesses the quality, safety and efficacy of COVID-19 vaccines, as well as risk management plans and programmatic suitability, such as cold chain requirements. The assessment is performed by the product evaluation group, composed by regulatory experts from around the world and a Technical Advisory Group (TAG), in charge of performing the risk-benefit assessment for an independent recommendation on whether a vaccine can be listed for emergency use and, if so, under which conditions.

In the case of the Sinopharm vaccine, the WHO assessment included on-site inspections of the production facility.

The Sinopharm product is an inactivated vaccine called SARS-CoV-2 Vaccine (Vero Cell). Its easy storage requirements make it highly suitable for low-resource settings. It is the also first vaccine that will carry a vaccine vial monitor, a small sticker on the vaccine vials that change color as the vaccine is exposed to heat, letting health workers know whether the vaccine can be safely used.

WHO's Strategic Advisory Group of Experts on Immunization (SAGE) has also completed its review of the vaccine. On the basis of all available evidence, WHO recommends the vaccine for adults 18 years and older, in a two-dose schedule with a spacing of three to four weeks. Vaccine efficacy for symptomatic and hospitalized disease was estimated to be 79%, all age groups combined. Few older adults (over 60 years) were enrolled in clinical trials, so efficacy could not be estimated in this age group. Nevertheless, WHO is not recommending an upper age limit for the vaccine because preliminary data and supportive immunogenicity data suggest the vaccine is likely to have a protective effect in older persons. **There is no theoretical reason to believe that the vaccine has a different safety profile in older and younger populations.** WHO therefore recommends that countries using the vaccine in older age groups conduct safety and effectiveness monitoring to make the recommendation more robust...

[Extraordinary meeting of the Strategic Advisory Group of Experts on Immunization \(SAGE\) – 29 April 2021](#)

Presentations

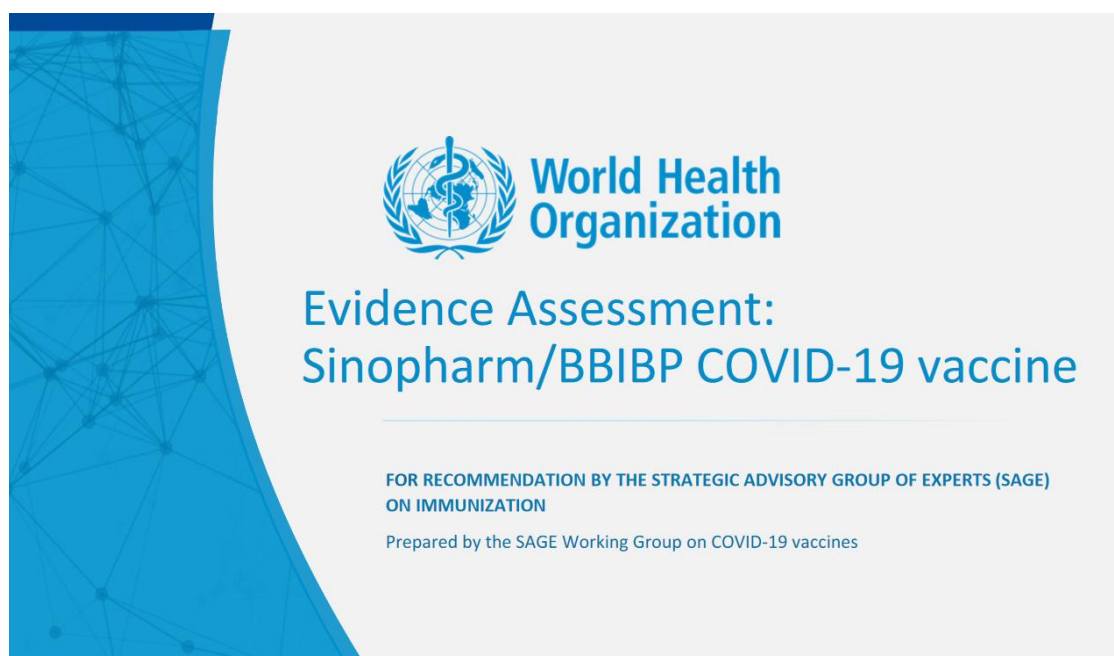
:: COVID-19 Vaccine (Vero Cell), Inactivated-Sinovac Biotech LTD

:: Evidence Assessment: Sinovac/CoronaVac COVID-19 vaccine

:: **COVID-19 Vaccine (Vero Cell), Inactivated-China National Biotec Group Company Limited**

:: **Evidence Assessment: Sinopharm/BBIBP COVID-19 vaccine**

[Title and Summary Slide below]



GRADEing of Evidence	Statement on quality of evidence	SAGE Working Group Judgement
Efficacy against PCR confirmed COVID-19 (Adults)	High level of confidence	We are very confident that 2 doses of BBIBP-CorV are efficacious in preventing PCR confirmed COVID-19 in adults (18-59 years).
Safety-serious adverse events (Adults)	Moderate level of confidence	We are moderately confident that the risk of serious adverse events following one or two doses of BBIBP-CorV in adults (18-59 years) is low.
Efficacy PCR confirmed COVID-19 (Older adults)	Low level of confidence	We have low confidence in the quality of evidence that 2 doses of BBIBP-CorV are efficacious in preventing PCR confirmed COVID-19 in older adults (≥60 years).
Safety-serious adverse events (Older adults)	Very low level of confidence	We have very low confidence in the quality of evidence that the risk of serious adverse events following one or two doses of BBIBP-CorV in older adults (≥60 years) is low.
Efficacy PCR confirmed COVID-19 (Individuals with comorbidities or health states that increase risk for severe COVID-19)	Very low level of confidence	We have very low confidence in the quality of evidence that 2 doses of BBIBP-CorV are efficacious in preventing PCR confirmed COVID-19 in individuals with comorbidities or health states that increase risk for severe COVID-19 as included in the clinical trial.
Safety-serious adverse events (Individuals with comorbidities or health states that increase risk for severe COVID-19)	Very low level of confidence	We have very low confidence in the quality of evidence that the risk of serious adverse events in individuals with comorbidities or health states that increase risk for severe COVID-19 following one or two doses of BBIBP-CorV is low.



Draft landscape and tracker of COVID-19 candidate vaccines

7 May 2021 | Publication

The COVID-19 candidate vaccine landscape and tracker database compiles detailed information on COVID-19 vaccine candidates in development.

The landscape is updated regularly - twice a week (Tuesday and Friday, 17:00 CET).

Download: https://cdn.who.int/media/docs/default-source/blue-print/07.05.2021-novel-coronavirus_landscape_covid-19.xlsx.zip?sfvrsn=23955096_3&download=true















Status of COVID-19 Vaccines within WHO EUL/PQ evaluation process 23 April 2021

For 19 vaccine candidates, presents Manufacturer, Name of Vaccine, NRA of Record, Platform, EOI Accepted Status, Pre-submission Meeting Held Status, Dossier Accepted for Review, Status of Assessment; Anticipated/Completed Decision Date

[click on the link above for full scale view]

04 May 2021

Status of COVID-19 Vaccines within WHO EUL/PQ evaluation process


	Manufacturer / WHO EUL holder	Name of Vaccine	NRA of Record	Platform	EOI accepted	Pre-submission meeting held	Dossier accepted for review*	Status of assessment**	Anticipated decision date***
1.		BN1162b2/COMIRNATY Tosinameran (INN)	EMA	Nucleoside modified mRNA	✓	✓	✓	Finalized	31/12/20
2.		AZD1222	EMA	Recombinant ChAdOx1 adenoviral vector encoding the Spike protein antigen of the SARS-CoV-2.	✓	✓	Accepted core data	Finalized	16 April 2021
							Data for Covax sites expected in April 2021 onwards	Finalized: SK-Catalent Wuxi (DS)	16 April 2021 30 April 2021
								Other sites	As submitted
3.		AZD1222	MFDS KOREA	Recombinant ChAdOx1 adenoviral vector encoding the Spike protein antigen of the SARS-CoV-2.	✓	✓	✓	Finalized	15 Feb 2021
4.		Covishield (ChAdOx1_nCoV-19)	DCGI	Recombinant ChAdOx1 adenoviral vector encoding the Spike protein antigen of the SARS-CoV-2.	✓	✓	✓	Finalized	15 Feb 2021
5.		Ad26.COV2.S	EMA	Recombinant, replication-incompetent adenovirus type 26 (Ad26) vectored vaccine encoding the (SARS-CoV-2) Spike (S) protein	✓	✓	Core data	Finalized (US +NL sites)	12 March 2021
							Additional sites awaited	Aspen South Africa	May 2021
								Other sites	As submitted
6.		mRNA-1273	EMA	mRNA-based vaccine encapsulated in lipid nanoparticle (LNP)	✓	✓	✓	Finalized	30 April 2021
7.		SARS-CoV-2 Vaccine (Vero Cell), Inactivated (InCoV)	NMPA	Inactivated, produced in Vero cells	✓	✓	✓	In progress	Early May 2021
8.		SARS-CoV-2 Vaccine (Vero Cell), Inactivated	NMPA	Inactivated, produced in Vero cells	✓	✓	✓	In progress	Early May 2021
9.		Sputnik V	Russian NRA	Human Adenovirus Vector-based Covid-19 vaccine	Additional information submitted	Several meetings held.	"Rolling" submission of clinical and CMC data has started.	Additional data (Non-CLIN, CLIN, CMC) Required. Inspections in April, May and June 2021	Will be set after all data is submitted and inspections completed.
10.		Ad5-nCoV	NMPA	Recombinant Novel Coronavirus Vaccine (Adenovirus Type 5 Vector)	✓	✓	Rolling data starting May 2021		
11.		NVX-CoV2373/Covovax	EMA	No pre-submission meeting yet.	Submitted EOI on 23 Feb	Planned on 07 May 2021			
12.		Zorecimeran (INN) concentrate and solvent for dispersion for injection; Company code: CVnCoV/CV07050101	EMA	mRNA-based vaccine encapsulated in lipid nanoparticle (LNP)	Submitted EOI on 12 April	Planned for May 2021			
13.	Vector State Research Centre of Virology and Biotechnology	EpiVacCorona	Russian NRA	Peptide antigen	Letter received not EOI. Reply sent on 15/01/2021				
14.	Zhifei Longcom, China	Recombinant Novel Coronavirus Vaccine (CHO Cell)	NMPA	Recombinant protein subunit	Response to 2 nd EOI sent 29 Jan 2021. Additional information requested.				
16.	Bharat Biotech, India	COVAXIN	DCGI	SARS-CoV-2 Vaccine, Inactivated (Vero Cell)	Requested meeting to discuss details of submission/timelines				
17.	Clover Biopharmaceuticals	SCB-2019	EMA	Novel recombinant SARS-CoV-2 Spike (S)-Trimer fusion protein	In discussion on submission strategy and timelines				
18.	BioCubaFarma - Cuba	Soberana 01, Soberana 02, Soberana Plus	CECMED	SARS-CoV-2 spike protein conjugated chemically to meningococcal B or tetanus toxoid or Aluminum	In discussion on submission strategy and timelines				
19.	Curevac (Bayer AG) – Germany	Zorecimeran (INN) concentrate and solvent for dispersion for injection; Company code: CVnCoV/CV07050101	EMA	mRNA-based vaccine encapsulated in lipid nanoparticle (LNP)	In discussion on submission strategy and timelines				

1. Beijing Bio-Institute of Biological Products Co-Ltd
2. Wuhan Institute of Biological Products Co Ltd

* Dossier Submission dates: more than one date is possible because of the rolling submission approach. Dossier is accepted after screening of received submission.

**Status of assessment: 1. Under screening; 2. Under assessment; 3. Waiting responses from the applicant. 4. Risk-benefit decision 5. Final decision made

*** Anticipated decision date: this is only an estimate because it depends on when all the data is submitted under rolling submission and when all the responses to the assessors' questions are submitted.

15.	IMBCAMS, China	SARS-CoV-2 Vaccine, Inactivated (Vero Cell)	NMPA	Inactivated	Not accepted, still under initial development				
16.	Bharat Biotech, India	COVAXIN	DCGI	SARS-CoV-2 Vaccine, Inactivated (Vero Cell)	Requested meeting to discuss details of submission/timelines				
17.	Clover Biopharmaceuticals	SCB-2019	EMA	Novel recombinant SARS-CoV-2 Spike (S)-Trimer fusion protein	In discussion on submission strategy and timelines				
18.	BioCubaFarma - Cuba	Soberana 01, Soberana 02, Soberana Plus	CECMED	SARS-CoV-2 spike protein conjugated chemically to meningococcal B or tetanus toxoid or Aluminum	In discussion on submission strategy and timelines				
19.	 Sinopharm / WIBP ²	Inactivated SARS-CoV-2 Vaccine (Vero Cell)	NMPA	Inactivated, produced in Vero cells					

1. Beijing Institute of Biological Products Co-Ltd
2. Wuhan Institute of Biological Products Co-Ltd

* Dossier Submission dates: more than one date is possible because of the rolling submission approach. Dossier is accepted after screening of received submission.

**Status of assessment: 1. Under screening; 2. Under assessment; 3. Waiting responses from the applicant; 4. Risk/benefit decision; 5. Final decision made

*** Anticipated decision date: this is only an estimate because it depends on when all the data is submitted under rolling submission and when all the responses to the assessors' questions are submitted.



COVID Vaccine Developer/Manufacturer Announcements [organizations from WHO EUL/PQ listing above]

AstraZeneca

Press Releases - No new digest announcements identified

Bharat Biotech, India

Press Releases - No new digest announcements identified

BioCubaFarma – Cuba

Últimas Noticias - No new digest announcements identified

CanSinoBIO

News - No new digest announcements identified

Clover Biopharmaceuticals - China

News - No new digest announcements identified

Curevac [Bayer Ag – Germany]

News - No new digest announcements identified

Gamaleya National Center

Latest News and Events - No new digest announcements identified [See Russia/RFID below]

IMBCAMS, China

Home - No new digest announcements identified

Janssen/JNJ

Press Releases

May 07, 2021

[Access Arrangements for Janssen COVID-19 Vaccine](#)

Johnson & Johnson is committed to enabling equitable global access to the Janssen COVID-19 vaccine on a not-for-profit basis for emergency pandemic use, pending local regulatory authorizations and direct procurement agreements with governments. In December 2020, the Company entered into an agreement in principle in support of COVAX, the global procurement mechanism for COVID-19 vaccines. We expect to enter into an Advance Purchase Agreement (APA) that would provide up to 500 million doses of the Janssen vaccine to COVAX through 2022.

At this time, the Company is only negotiating with government bodies and supranational organizations (e.g., European Commission, African Union, Gavi/COVAX) at a central level for vaccine procurement or purchase. We are not working with or through third parties for vaccine access during the current emergency pandemic period. National governments may reach out to us directly with any procurement questions by contacting: janssen_covid_vaccine_supply@its.jnj.com.

Johnson & Johnson recognizes the role of the private sector in addressing the pandemic and, at a future date, we will inform stakeholders when other options for vaccine procurement become available.

Moderna

Press Releases

May 6, 2021

[Moderna Announces New Supply Agreement with Switzerland for 7 Million Booster Vaccine Doses in 2022 and Option for Additional 7 Million Doses](#)

May 5, 2021

[Moderna Announces Positive Initial Booster Data Against SARS-CoV-2 Variants of Concern](#)

May 4, 2021

[Moderna Announces Expansion of its Manufacturing Technology Center in Massachusetts](#)

May 3, 2021

[Moderna Announces Supply Agreement with Gavi for up to 500 Million Doses of COVID-19 Vaccine Moderna for COVAX To Help End COVID-19 Pandemic in Lowest Income Countries](#)

:: 34 million doses to begin delivery in the fourth quarter of 2021

:: Option granted to COVAX Facility for up to 466 million additional doses in 2022

:: Doses provided at lowest tiered price, in keeping with Moderna's global access principles commitment

Novavax

Press Releases

[Novavax Statement in Opposition to the WTO TRIPS Waiver](#)

5/7/2021 *Statement*

[Novavax Statement on Ministry of Health, Labour and Welfare's Announcement Regarding Procurement from Takeda of NVX-CoV2373 for Japan](#)

5/7/2021 *Statement*

...Takeda is in the process of establishing vaccine procurement based on technology transfer by Novavax of NVX-CoV2373, a recombinant protein vaccine candidate, and will be responsible for manufacturing and commercialization in Japan. Takeda will have the capability to manufacture 250 million doses yearly of the vaccine at its manufacturing site in Japan...

[Novavax and Gavi Execute Advance Purchase Agreement for COVID-19 Vaccine for COVAX Facility](#)

5/6/2021

:: Novavax to deliver 350 million doses beginning Q3 2021

:: 1.1 billion doses of Novavax vaccine to be available to countries participating in COVAX

:: Serum Institute of India to provide balance of doses for LMICs

:: Underscores commitment to global equitable access to Novavax vaccine

New England Journal of Medicine Publishes Phase 2b Clinical Trial Results Demonstrating Efficacy of Novavax COVID-19 Vaccine Against the B.1.351 Variant

5/63/2021

Novavax Initiates Pediatric Expansion for Phase 3 Clinical Trial of COVID-19 Vaccine

5/5/2021

Pfizer

Recent Press Releases

05.07.2021

Pfizer and BioNTech Initiate Rolling Submission of Biologics License Application for U.S. FDA Approval of Their COVID 19 Vaccine

Pfizer Inc. (NYSE: PFE) and BioNTech SE (Nasdaq: BNTX) today announced the initiation of a Biologics License Application (BLA) with the U.S. Food and Drug Administration (FDA) for approval of their mRNA vaccine to prevent COVID-19 in individuals 16 years of age and older. Data to support the BLA will be submitted by the companies to the FDA on a rolling basis over the coming weeks, with a request for Priority Review. The Prescription Drug User Fee Act (PDUFA) goal date for a decision by the FDA will be set once the BLA is complete and formally accepted for review by the agency...

05.06.2021

Pfizer and BioNTech to Provide COVID-19 Vaccine Doses for Olympic Athletes at the 2020 Tokyo Games

Pfizer Inc. (NYSE: PFE) and BioNTech SE (Nasdaq: BNTX) today announced the signing of a Memorandum of Understanding (MoU) with the International Olympic Committee (IOC) to donate doses of the companies' COVID-19 Vaccine to help vaccinate athletes, and their delegations, participating in the Olympic and Paralympic Games Tokyo 2020, which are scheduled to begin on July 23, 2021...

Serum Institute of India

NEWS & ANNOUNCEMENTS - No new digest announcements identified
[See Financial Times coverage in Media Watch below]

Sinopharm/WIBPBIBP

News - No new digest announcements identified

Sinovac

Press Releases - No new digest announcements identified

EMA starts rolling review of COVID-19 Vaccine (Vero Cell) Inactivated

News 04/05/2021

Vector State Research Centre of Virology and Biotechnology

Home - No new digest announcements identified

Zhifei Longcom, China

[Anhui Zhifei Longcom Biologic Pharmacy Co., Ltd.]

[No website identified]



UNICEF COVID-19 Vaccine Market Dashboard :: Agreements Table Accessed 8 May 2021

An overview of information collected from publicly announced bilateral and multilateral supply agreements [Agreements view from 2021-05-02 to date]



Deal date	Recipient	Deal type	Vaccine name	Vaccine developer	Manufacturer
2021-05-03	COVAX AMC	Multilateral	mRNA-1273	Moderna	Moderna

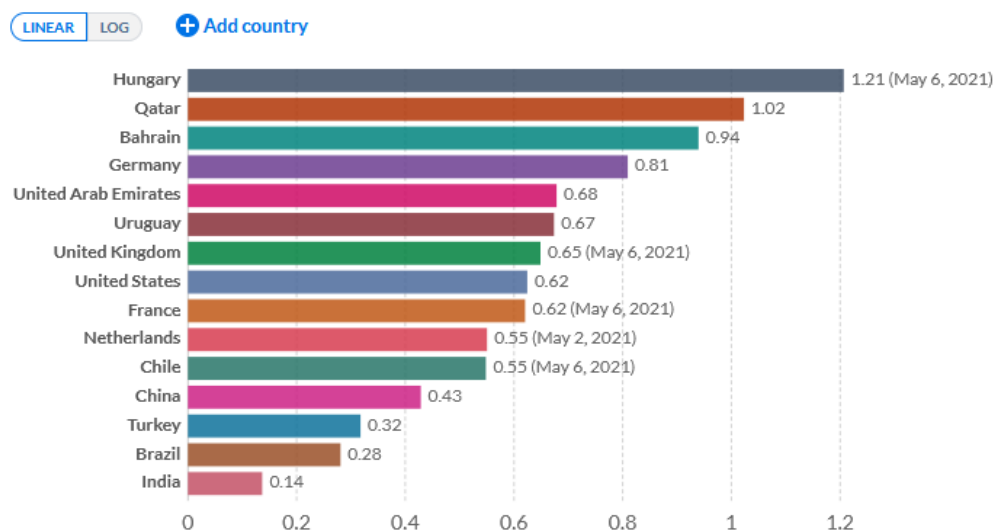


Our World in Data Coronavirus (COVID-19) Vaccinations

Daily COVID-19 vaccine doses administered per 100 people, May 7, 2021



Shown is the rolling 7-day average per 100 people in the total population. This is counted as a single dose, and may not equal the total number of people vaccinated, depending on the specific dose regime (e.g. people receive multiple doses).



Source: Official data collated by Our World in Data - Last updated 8 May, 12:10 (London time) OurWorldInData.org/coronavirus • CC BY

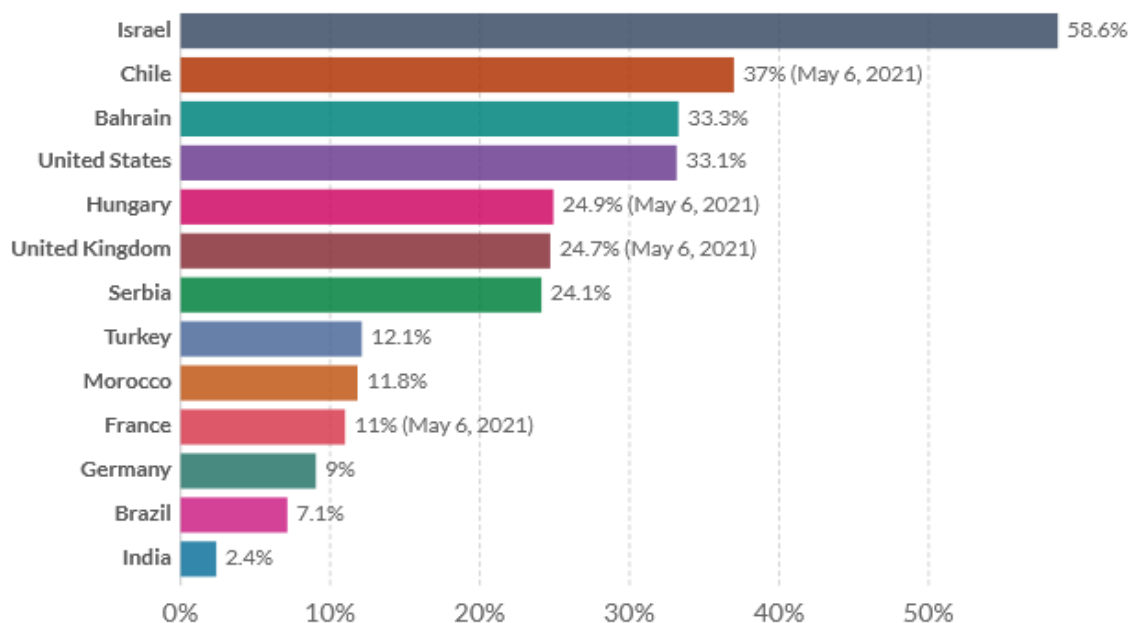


Share of the population fully vaccinated against COVID-19, May 7, 2021

Our World
in Data

Share of the total population that have received all doses prescribed by the vaccination protocol. This data is only available for countries which report the breakdown of doses administered by first and second doses.

+ Add country



Source: Official data collated by Our World in Data – Last updated 8 May, 12:10 (London time)

OurWorldInData.org/coronavirus • CC BY

Dec 27, 2020 May 7, 2021

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U.S.: COVID-19 Vaccines – Announcements/Regulatory Actions/Deployment

Vaccines and Related Biological Products Advisory Committee

No new digest content identified.

Advisory Committee on Immunization Practices (ACIP)

May 12, 2021 emergency meeting is a virtual meeting.

No registration is required.

Draft Agenda – May 12, 2021[pdf icon](#) [Webcast Link](#)[external icon](#)

:: Pfizer COVID-19 Vaccine for 12-15 year old

:: Update on thrombosis with thrombocytopenia syndrome (TTS) following Janssen COVID-19 vaccine

:: VaST update

:: COVID-19 Vaccine Effectiveness studies

:: Update on emerging SARS-CoV-2 variants

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White House [U.S.]

Briefing Room – Selected Major COVID Announcements

[Press Briefing by White House COVID-19 Response Team and Public Health Officials](#)

May 07, 2021 • Press Briefings

[Press Briefing by White House COVID-19 Response Team and Public Health Officials](#)

May 05, 2021 • Press Briefings

[Remarks by President Biden on the COVID-19 Response and the Vaccination Program](#)

May 04, 2021 • Speeches and Remarks

[FACT SHEET: President Biden to Announce Goal to Administer at Least One Vaccine Shot to 70% of the U.S. Adult Population by July 4th](#)

May 04, 2021 • Statements and Releases

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[COVID Data Tracker \[U.S.\]](#) May 8, 2021

Total Vaccine Doses Delivered 329,840,055 Administered 257,347,205 <small>Learn more about the distribution of vaccines.</small>	People Vaccinated	
	At Least One Dose	Fully Vaccinated
	Total	151,315,505
	% of Total Population	45.6%
	Population ≥ 18 Years of Age	148,939,613
	% of Population ≥ 18 Years of Age	57.7%
	Population ≥ 65 Years of Age	45,649,289
	% of Population ≥ 65 Years of Age	83.5%
Total		112,626,771
		33.9%
		111,615,907
		43.2%
		38,829,193
		71%

About these data

CDC | Data as of: May 8, 2021 6:00am ET. Posted: Saturday, May 8, 2021 1:40 PM ET

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Europe: COVID-19 Vaccines – Announcements/Regulatory Actions/Deployment

European Medicines Agency

News & Press Releases

[News: Meeting highlights from the Pharmacovigilance Risk Assessment Committee \(PRAC\) 3-6 May 2021 \(new\)](#)

[PRAC, Last updated: 07/05/2021](#)

[News: EMA starts rolling review of sotrovimab \(VIR-7831\) for COVID-19 \(new\)](#)

[CHMP, Last updated: 07/05/2021](#)

[News: International regulators and WHO call for wider public access to clinical data \(new\)](#)

[Last updated: 07/05/2021](#)

[News: Confidentiality arrangement between EU and Brazilian regulatory authorities \(new\)](#)

[Last updated: 06/05/2021](#)

[News: EMA starts rolling review of COVID-19 Vaccine \(Vero Cell\) Inactivated \(new\) CHMP, Last updated: 04/05/2021](#)

[News: EMA starts evaluating use of COVID-19 vaccine Comirnaty in young people aged 12 to 15 \(new\) CHMP, Last updated: 03/05/2021](#)

European Commission

<https://ec.europa.eu/commission/presscorner/home/en>

News 8 May 2021

["The EU stands with India in times of need": op-ed article by Ursula von der Leyen, President of the European Commission](#)

"As soon as India requested support, the EU and its member states came together to help. We activated our EU civil protection mechanism in one of its biggest-ever response operations. This is what friends do in times of need."

Press release 6 May 2021

[Coronavirus: Commission proposes EU Strategy for the development and availability of therapeutics](#)

The European Commission is today complementing the successful EU Vaccines Strategy with a strategy on COVID-19 therapeutics to support the development and availability of much-needed COVID-19 therapeutics, including for the treatment of 'long COVID'.

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Africa: COVID-19 Vaccines – Announcements/Regulatory Actions/Deployment

No new digest content identified.

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Russia: COVID-19 Vaccines – Announcements/Regulatory Actions/Deployment

Russia: Sputnik V – "the first registered COVID-19 vaccine"

<https://sputnikvaccine.com/newsroom/pressreleases/>

Press Releases

[Single dose vaccine, Sputnik Light, authorized for use in Russia](#)

06.05.2021

Sputnik Light is the first component (recombinant human adenovirus serotype number 26 (rAd26)) of Sputnik V – the world's first registered vaccine against coronavirus.

The single dose Sputnik Light vaccine demonstrated 79.4% efficacy according to analyzed data taken from 28 days after the injection was administered as part of Russia's mass vaccination program between 5 December 2020 and 15 April 2021....

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India: COVID-19 Vaccines – Announcements/Regulatory Actions/Deployment

Government of India – Press Information Bureau

Latest Press Releases

PM praises the role of the armed forces in the fight against COVID-19

Posted on: 06 May 2021

PM Modi reviews public health response to Covid-19

Posted on: 06 May 2021

PM praises healthcare workers and nurses for reducing vaccine waste

Posted on: 05 May 2021

PM authorises key decisions to boost availability of medical personnel to fight COVID-19

Posted on: 03 May 2021

Ministry of Health and Family Welfare

<https://www.mohfw.gov.in/>

COVID-19 INDIA as on :
08 May 2021, 08:00 IST
(GMT+5:30)

(↑↓ Status change since
yesterday)

Active (17.01%)

3723446 (78282↑)

Discharged (81.90%)

17930960 (318609↑)

Deaths (1.09%)

238270 (4187↑)

COVID-19 Vaccination
as on : 08 May 2021,
08:00 IST (GMT+5:30)

Total Vaccination : 16,73,46,544 (22,97,257 ↑)

Indian Council for Medical Research (ICMR)

<https://www.icmr.gov.in/media.html>

No new digest content identified.

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China: COVID-19 Vaccines – Announcements/Regulatory Actions/Deployment

[See China CDC section below]

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Emergencies

POLIO

Public Health Emergency of International Concern (PHEIC)

Polio this week as of 05 May 2021

:: The GPEI has released a [position statement](#) on the United Kingdom's proposed cuts to contributions toward polio eradication in 2021.

:: "Our ability to eradicate polio depends on our commitment to removing obstacles to women's involvement in and ownership of eradication efforts. Women are at the forefront of the global struggle against polio – whether as caregivers, vaccinators, vaccine advocates and trusted leaders among affected populations, or as scientists, public health professionals and managers in the GPEI...". [Read more](#) from our new Polio Gender Champion; Rochelle P. Walensky, MD, MPH Director, CDC, and Administrator, ATSDR.

Summary of new WPV and cVDPV viruses this week (AFP cases and ES positives):

:: Pakistan: two WPV1 positive environmental samples

:: Liberia: one cVDPV2 positive environmental sample

:: Senegal: one cVDPV2 case and one cVDPV2 positive environmental sample

:: South Sudan: one cVDPV2 case

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GPEI statement on proposed UK aid cuts

As of 4 May 2021

The Global Polio Eradication Initiative (GPEI) is **greatly concerned by the United Kingdom's proposed cuts to contributions toward polio eradication in 2021. The proposed 95% reduction will result in an enormous setback to the eradication effort at a critical moment.**

The UK has a long legacy as a leader in global health and its leadership in polio eradication, including financial contributions to the GPEI, have driven wild poliovirus out of all but two countries in the world. The GPEI values the UK government's steadfast partnership and shared commitment to eradicating polio, and UK citizens have generously championed the drive to end polio. This has helped bring the world to the cusp of being polio-free, whilst providing an investment in broader public health capacity.

In 2019, the UK government pledged to help vaccinate more than 400 million children a year against polio and to support 20 million health workers and volunteers in this vital work. In addition to their life-saving work to end polio, these health workers have been in the frontline of the fight against COVID-19 and have helped some of the world's most vulnerable countries protect their citizens. The UK's ongoing support is needed to ensure that the polio infrastructure can continue supporting COVID-19 response efforts, while also resuming lifesaving immunization services against other deadly childhood diseases. In 2020, the UK government's contributions ensured that the GPEI could continue to support outbreak response in 25 countries and conduct surveillance in nearly 50, all whilst strengthening health systems. **The continuation of such support will not be possible unless replacement funds are identified, and as such, this funding cut will have a potentially devastating impact on the polio eradication program.**

The GPEI recognises the challenging economic circumstances faced by the UK government and a host of other countries. Governments worldwide are making critical investments in the health of their citizens, as well as evaluating global commitments. **Cutting the UK government's contributions by 95% will, however, put millions of children at increased risk of diseases such as polio and will weaken the ability of countries to detect and respond to outbreaks of polio and other infectious diseases, including COVID-19.** Furthermore, it risks delaying polio eradication and the dismantling of one of the most effective disease surveillance and response networks at a time when the COVID-19 pandemic continues its devastation.

GPEI looks forward to working with the UK and the broader global community to address these urgent issues, which jeopardize the collective investment and progress toward a polio free world. Together we can end polio forever and ensure that polio infrastructure and its assets continue to strengthen preparedness and response and save lives.

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WHO/OCHA Emergencies

Editor's Note:

Continuing with this edition, we include information about the last apparent update evident on the WHO emergency country webpages, recognizing almost universal and significant interims since last update regardless of the level of the emergency listed.

WHO Grade 3 Emergencies [to 8 May 2021]

Democratic Republic of the Congo

:: 3 May 2021 *News release*

WHO Director-General congratulates the Democratic Republic of the Congo as 12th Ebola outbreak is declared over; stresses need to maintain vigilance to prevent virus's return

Mozambique floods - *No new digest announcements identified [Last apparent update: 3 November 2020]*

Nigeria - *No new digest announcements identified [Last apparent update: 29 Jun 2020]*

Somalia - *No new digest announcements identified [Last apparent update: 17 July 2020]*

South Sudan - *No new digest announcements identified [Last apparent update: 4 February 2020]*

Syrian Arab Republic - *No new digest announcements identified [Last apparent update: 24 October 2020]*

Yemen - *No new digest announcements identified [Last apparent update: 30 June 2020]*

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WHO Grade 2 Emergencies [to 8 May 2021]

Afghanistan - *No new digest announcements identified [Last apparent update: 5 July 2020]*

Angola - *No new digest announcements identified [Last apparent update: 16 March 2021]*

Burkina Faso - *No new digest announcements identified [Last apparent update: 01 avril 2021]*

Burundi - *No new digest announcements identified [Last apparent update: 04 July 2019]*

Cameroon - *No new digest announcements identified [Last apparent update: 22 August 2019]*

Central African Republic - No new digest announcements identified [Last apparent update: 12 June 2018]

Ethiopia - No new digest announcements identified [Last apparent update: 22 August 2019]

Iran floods 2019 - No new digest announcements identified [Last apparent update: 2 March 2020]

Iraq - No new digest announcements identified [Last apparent update: 26 April 2021]

Libya - No new digest announcements identified [Last apparent update: 7 October 2019]

Malawi - No new digest announcements identified [Last apparent update: 22 April 2021]

Measles in Europe - No new digest announcements identified [Last apparent update: 26-04-2021]

MERS-CoV - No new digest announcements identified [Last apparent update: 8 July 2019]

Mozambique - No new digest announcements identified [Last apparent update: 03 November 2020]

Myanmar - No new digest announcements identified [Last apparent update: 29 March 2021]

Niger - No new digest announcements identified [Last apparent update: 16 avril 2021]

occupied Palestinian territory - No new digest announcements identified [Last apparent update: 4 September 2019]

HIV in Pakistan - No new digest announcements identified [Last apparent update: 27 August 2019]

Sao Tome and Principe Necrotizing Cellulitis (2017) - No new digest announcements

Sudan - No new digest announcements identified [Last apparent update: 24 June 2020]

Ukraine - No new digest announcements identified [Last apparent update: 1 May 2019]

Zimbabwe - No new digest announcements identified [Last apparent update: 10 May 2019]

.....

WHO Grade 1 Emergencies [to 8 May 2021]

Chad - No new digest announcements identified [Last apparent update: 30 June 2018]

Djibouti - No new digest announcements identified [Last apparent update: 25 novembre 2020]

Kenya - No new digest announcements identified [Last apparent update: 23 April 2021]

Mali - No new digest announcements identified [Last apparent update: 3 May 2017]

Namibia - viral hepatitis - No new digest announcements identified [Last apparent update: 20 July 2018]

Tanzania - No new digest announcements identified [Last apparent update: 21 October 2019]

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UN OCHA – Current Emergencies

Current Corporate Emergencies

Ethiopia - Tigray Region Humanitarian Update Situation Report, 6 May 2021

HIGHLIGHTS

:: Active hostilities remain the main access impediment for scaling up response in rural areas in addition to constrained communications

:: Humanitarian partners are scaling up response but can only fully implement with access constraints addressed

:: Three food operators have distributed more than 19,000 metric tons of food for the first round of assistance for 2021, reaching 1.1 million people across the region

:: COVID-19 screening started in all targeted 15 health facilities in Mekelle At least US\$443 million have been allocated to respond to the crisis but more is needed particularly for non-food assistance

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WHO & Regional Offices [to 8 May 2021]

<https://www.who.int/>

7 May 2021 News release

[**WHO lists additional COVID-19 vaccine for emergency use and issues interim policy recommendations**](#)

7 May 2021 Statement

[**Joint Statement on transparency and data integrity International Coalition of Medicines Regulatory Authorities \(ICMRA\) and WHO**](#)

7 May 2021 Departmental news

[**First deployment of WHO emergency rehabilitation support**](#)

7 May 2021 Departmental news

[**Development of updated WHO guidelines on the management of tuberculosis in children and adolescents**](#)

6 May 2021 News release

[**Global experts of new WHO Council on the Economics of Health For All announced**](#)

6 May 2021 Departmental news

[**The UNICEF/WHO/WB Joint Child Malnutrition Estimates \(JME\) group released new data for 2021**](#)

6 May 2021 Departmental news

[**The Partnership for Healthy Cities supports COVID-19 Vaccine Outreach in 18 Cities**](#)

5 May 2021 News release

[**WHO Director-General commends United States decision to support temporary waiver on intellectual property rights for COVID-19 vaccines**](#)

5 May 2021 Joint News Release

[**WHO, Germany launch new global hub for pandemic and epidemic intelligence**](#)

5 May 2021 Departmental news

[**WHO calls for better hand hygiene and other infection control practices**](#)

5 May 2021 Departmental news

[**Updated WHO Information Note: Ensuring continuity of TB services during the COVID-19 pandemic**](#)

5 May 2021 News release

[**New WHO benchmarks help countries reduce salt intake and save lives**](#)

5 May 2021 Departmental news

WHO launches new platform for knowledge exchange on dementia

4 May 2021 Departmental news

WHO and UN Global Pulse are building a social listening radio tool to aid the COVID-19 infodemic response

4 May 2021 Departmental news

Why we need to focus on quality care for women and newborns

3 May 2021 Departmental news

Expanding reach: Addressing gender barriers in COVID-19 vaccine rollout

3 May 2021 News release

WHO welcomes Sweden's announcement to share COVID-19 vaccine doses with COVAX

3 May 2021 News release

WHO Director-General congratulates the Democratic Republic of the Congo as 12th Ebola outbreak is declared over; stresses need to maintain vigilance to prevent virus's return

3 May 2021 Departmental news

Affordability of WASH must be defined and tracked if 2030 Global Goals are to be met: new report

3 May 2021 Departmental news

Oral rabies vaccine: a new strategy in the fight against rabies deaths

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Weekly Epidemiological Record, Vol. 96, No. 18, pp. 145–156 7 May 2021

:: Surveillance to track progress towards polio eradication – worldwide, 2019–2020
Surveillance to track progress towards polio eradication – worldwide, 2019–2020

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WHO Regional Offices

Selected Press Releases, Announcements

WHO African Region AFRO

No new digest content identified

WHO Region of the Americas PAHO

No new digest content identified

WHO South-East Asia Region SEARO

No new digest content identified

WHO European Region EURO

:: Countries across Europe send life-saving goods to help India's fight against COVID-19 07-05-2021

:: WHO/Europe launches new guidance to make hand washing easier 05-05-2021

WHO Eastern Mediterranean Region EMRO

:: **Pakistan receives first consignment of COVID-19 vaccines via COVAX Facility** 8 May 2021

...Today Pakistan received its first shipment of Oxford-AstraZeneca COVID-19 vaccines (SII-AZ AZD1222) from the COVAX Facility. The consignment of 1 238 400 doses of vaccines, which will be followed by another of 1 236 000 in a few days, will support the Government of Pakistan's ongoing historic drive.

WHO Western Pacific Region

No new digest content identified

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CDC/ACIP [U.S.] [to 8 May 2021]

<http://www.cdc.gov/media/index.html>

<https://www.cdc.gov/vaccines/acip/index.html>

Latest News Releases, Announcements

CDC Issues Phases 2B and 3 of the Conditional Sailing Order

Wednesday, May 5, 2021

CDC Principal Deputy Director Named 2021 Service to America Medal

Monday, May 3, 2021

The Centers for Disease Control and Prevention's Principal Deputy Director Anne Schuchat, MD (RADM, USPHS, RET), has been named a finalist in the Partnership for Public Service's 2021 Service to America Medals, known as the "Sammies." Dr. Schuchat is a finalist in the Paul A. Volcker Career Achievement Category that recognizes a federal employee for leading significant and sustained accomplishments throughout a federal career of 20 or more years.

The Sammies are government-wide awards that recognize the talents and achievements of outstanding federal employees.

"Over her 33-year CDC career, Dr. Schuchat has led some of the highest profile and most consequential outbreak investigations and responses in the agency's history," said CDC Director Rochelle P. Walensky, MD, MPH. "As the CDC principal deputy director and highest-ranking permanent employee of the agency since 2015, she has been an extraordinary leader and a steady hand at the wheel during a tumultuous era for the agency, including the current challenges presented by the COVID-19 pandemic."...

Ebola Outbreak Over in the Democratic Republic of the Congo

Monday, May 3, 2021

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MMWR News Synopsis Friday, April 30, 2021

:: COVID-19 Outbreak Among Farmworkers — Okanogan County, Washington, May–August 2020

:: COVID-19 Among Workers in the Seafood Processing Industry: Implications for Prevention Measures — Alaska, March–October 2020

:: Linked Clusters of SARS-CoV-2 Variant B.1.351 — Maryland, January–February 2021

:: [Postvaccination SARS-CoV-2 Infections Among Skilled Nursing Facility Residents and Staff Members — Chicago, Illinois, December 2020–March 2021 \(Early Release April 21, 2021\)](#)
:: [COVID-19 Outbreak Associated with a SARS-CoV-2 R.1 Lineage Variant in a Skilled Nursing Facility After Vaccination Program — Kentucky, March 2021 \(Early Release April 21, 2021\)](#)
:: [Health Care Utilization and Clinical Characteristics of Nonhospitalized Adults in an Integrated Health Care System 28–180 Days After COVID-19 Diagnosis — Georgia, May 2020–March 2021 \(Early Release April 23, 2021\)](#)
:: [Updated Recommendations from the Advisory Committee on Immunization Practices for Use of Janssen \(Johnson & Johnson\) COVID-19 Vaccine After Reports of Thrombosis with Thrombocytopenia Syndrome Among Vaccine Recipients — United States, April 2021 \(Early Release April 27, 2021\)](#)

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[Coronavirus Disease 2019 \(COVID-19\)- CDC](#)

Selected Resources

[Overall US COVID-19 Vaccine Distribution and Administration Update as of Fri, 07 May 2021 06:00:00 EST](#)

5/7/21

[Scientific Brief: SARS-CoV-2 Transmission](#)

:: This science brief has been updated to reflect current knowledge about SARS-CoV-2 transmission and reformatted to be more concise.
:: Modes of SARS-CoV-2 transmission are now categorized as inhalation of virus, deposition of virus on exposed mucous membranes, and touching mucous membranes with soiled hands contaminated with virus.
:: Although how we understand transmission occurs has shifted, the ways to prevent infection with this virus have not. All prevention measures that CDC recommends remain effective for these forms of transmission.

... ***Transmission of SARS-CoV-2 from inhalation of virus in the air farther than six feet from an infectious source can occur***

With increasing distance from the source, the role of inhalation likewise increases. Although infections through inhalation at distances greater than six feet from an infectious source are less likely than at closer distances, **the phenomenon has been repeatedly documented under certain preventable circumstances.**¹⁰⁻²¹ These transmission events have involved the presence of an infectious person exhaling virus indoors for an extended time (more than 15 minutes and in some cases hours) leading to virus concentrations in the air space sufficient to transmit infections to people more than 6 feet away, and in some cases to people who have passed through that space soon after the infectious person left. Per published reports, factors that increase the risk of SARS-CoV-2 infection under these circumstances include:

:: Enclosed spaces with inadequate ventilation or air handling within which the concentration of exhaled respiratory fluids, especially very fine droplets and aerosol particles, can build-up in the air space.
:: Increased exhalation of respiratory fluids if the infectious person is engaged in physical exertion or raises their voice (e.g., exercising, shouting, singing).
:: Prolonged exposure to these conditions, typically more than 15 minutes.

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Africa CDC [to 8 May 2021]

<http://www.africacdc.org/>

News

[Democratic Republic of the Congo declares end of 12th Ebola Virus Disease outbreak](#)

3 May 2021

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China CDC

<http://www.chinacdc.cn/en/>

[China CDC Weekly](#)

Vol. 3 No. 19 May 7, 2021

National Health Commission of the People's Republic of China [to 8 May 2021]

<http://en.nhc.gov.cn/>

News

[May 8: Daily briefing on novel coronavirus cases in China](#)

On May 7, 31 provincial-level regions and the Xinjiang Production and Construction Corps on the Chinese mainland reported 7 new cases of confirmed infections.

[China-donated COVID-19 vaccines arrive in Myanmar](#)

2021-05-06

National Medical Products Administration – PRC [to 8 May 2021]

<http://english.nmpa.gov.cn/news.html>

News

[WHO approves China's Sinopharm vaccine for emergency use](#)

2021-05-08

The World Health Organization announced on May 7 it will give emergency use authorization to the COVID-19 vaccine manufactured by China's Sinopharm.

[Over 297m COVID-19 vaccine doses administered across China](#)

2021-05-08

More than 297.7 million doses of COVID-19 vaccines had been administered across China as of Thursday, the National Health Commission said on May 7.

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Organization Announcements

Editor's Note:

Careful readers will note that the number and range of organizations now monitored in our *Announcements* section below has grown as the impacts of the pandemic have spread across global economies, supply chains and programmatic activity of multilateral agencies and INGOs.

Paul G. Allen Frontiers Group [to 8 May 2021]

<https://alleninstitute.org/what-we-do/frontiers-group/news-press/>

News

[Kathy Richmond | Science in Sixty](#)

May 5, 2021

Kathryn Richmond, Senior Director of The Paul G. Allen Frontiers Group, is looking for the best ideas out there to change how we think about biology and accelerate discovery.

BARDA – U.S. Department of HHS [to 8 May 2021]

<https://www.phe.gov/about/barda/Pages/default.aspx>

News

No new digest content identified.

BMGF - Gates Foundation [to 8 May 2021]

<https://www.gatesfoundation.org/ideas/media-center>

Press Releases and Statements

No new digest content identified.

Bill & Melinda Gates Medical Research Institute [to 8 May 2021]

<https://www.gatesmri.org/>

The Bill & Melinda Gates Medical Research Institute is a non-profit biotech organization. Our mission is to develop products to fight malaria, tuberculosis, and diarrheal diseases—three major causes of mortality, poverty, and inequality in developing countries. The world has unprecedented scientific tools at its disposal; now is the time to use them to save the lives of the world's poorest people

No new digest content identified.

CARB-X [to 8 May 2021]

<https://carb-x.org/>

News

No new digest content identified.

Center for Vaccine Ethics and Policy – GE2P2 Global Foundation [to 8 May 2021]

<https://centerforvaccineethicsandpolicy.net/>

News/Analysis/Statements

:: Past weekly editions and posting of all segments of ***Vaccines and Global Health: The Week in Review*** are [available here](#).

:: [NEW] ***Informed Consent: A Monthly Review – May 2021*** is now posted [here](#)

CEPI – Coalition for Epidemic Preparedness Innovations [to 8 May 2021]

<http://cepi.net/>

Latest News

CEPI and Dynavax expand collaboration to increase supply of adjuvant for COVID-19 vaccines

7 May 2021, Oslo, Norway – CEPI, the Coalition for Epidemic Preparedness Innovations, today announced an expanded agreement with Dynavax Technologies Corporation (Nasdaq: DVAX) to increase the supply of Dynavax's CpG 1018 vaccine adjuvant available for CEPI-funded COVID-19 vaccine development programmes in 2021. This builds upon an initial agreement signed in January 2021 which provided Dynavax up to \$99 million to advance the at-risk manufacture of CpG 1018.

Under the terms of the expanded agreement, CEPI will increase funding by \$77 million to a total of \$176 million which will increase the available volume of CpG 1018 in 2021. The funding is in the form of a forgivable loan which is repayable to CEPI upon adjuvant sales.

The adjuvant produced under this agreement will be first offered for purchase by CEPI's vaccine development partners within price parameters agreed with CEPI, and represents a key strategic investment by CEPI to increase overall availability of vaccine doses in 2021 from CEPI's COVID-19 R&D portfolio.

It is anticipated that vaccine developers benefiting from CpG 1018 produced under this agreement will make vaccine output – potentially hundreds of millions of doses in 2021 – available for procurement and allocation through COVAX. COVAX is the global initiative to ensure rapid and equitable access to COVID-19 vaccines for all countries, regardless of income level.

DARPA – Defense Advanced Research Projects Agency [to 8 May 2021]

<https://www.darpa.mil/news>

News

5/3/2021

Creating AI-Enabled Cultural Interpreters to Aid Defense Operations

[See Week in Review above for detail]

Duke Global Health Innovation Center [to 8 May 2021]

<https://dukeghic.org/>

WEEKLY COVID VACCINE RESEARCH UPDATE

Last dated update: FRIDAY, April 16, 2021

EDCTP [to 8 May 2021]

<http://www.edctp.org/>

The European & Developing Countries Clinical Trials Partnership (EDCTP) aims to accelerate the development of new or improved drugs, vaccines, microbicides and diagnostics against HIV/AIDS, tuberculosis and malaria as well as other poverty-related and neglected infectious diseases in sub-Saharan Africa, with a focus on phase II and III clinical trials

04 May 2021

New support tools for TB vaccine R&D published

The Tuberculosis Vaccine Initiative (TBVI) has coordinated the development of several new tools to support future TB vaccine clinical trials. Experts in the field together with researchers from the ongoing EDCTP-funded TB vaccine projects developed templates and guidelines. These are to support preparations for a regulatory plan, a data management plan and clinical trial protocol synopses. Furthermore, a comprehensive registry of trial sites in sub-Saharan Africa with capacities to conduct TB

vaccine studies has been made available online. EDCTP supported TBVI with an investment of €130,000...

Emory Vaccine Center [to 8 May 2021]

<http://www.vaccines.emory.edu/>

Vaccine Center News

No new digest content identified.

European Vaccine Initiative [to 8 May 2021]

<http://www.euvaccine.eu/>

Latest News

No new digest content identified.

FDA [to 8 May 2021]

<https://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/default.htm>

Press Announcements / Selected Details

[May 7, 2021 - Coronavirus \(COVID-19\) Update: May 7, 2021](#)

[May 5, 2021 - Coronavirus \(COVID-19\) Update: FDA Outlines Inspection and Assessment Activities During Pandemic, Roadmap for Future State of Operations](#)

[May 4, 2021 - Coronavirus \(COVID-19\) Update: May 4, 2021](#)

Fondation Merieux [to 8 May 2021]

<http://www.fondation-merieux.org/>

News, Events

Mérieux Foundation co-organized event

[Evidence to actions: countries and communities driving adaptive, evidence-informed approaches to end cholera](#)

May 20, 2021 - Virtual Event

Gavi [to 8 May 2021]

<https://www.gavi.org/>

News Releases

6 May 2021

[Gavi signs agreement with Novavax to secure doses on behalf of COVAX Facility](#)

:: The signed advance purchase agreement (APA) is for a commitment to purchase 350 million doses of the Novavax vaccine candidate

:: Deliveries will commence in Q3 2021, upon regulatory approval

:: Doses supply self-financing participants of the COVAX Facility as well as lower-income economies eligible for donor-funded vaccines through the Gavi COVAX Advance market Commitment (AMC)

GHIT Fund [to 8 May 2021]

<https://www.ghitfund.org/newsroom/press>

*GHIT was set up in 2012 with the aim of developing new tools to tackle infectious diseases that
No new digest content identified.*

Global Fund [to 8 May 2021]

<https://www.theglobalfund.org/en/news/>

News & Stories

News

[Global Fund Approves US\\$75 million for India's COVID-19 Response](#)

06 May 2021

The Global Fund has approved US\$75 million in fast-track funding to support India's response to the COVID-19 crisis that is devastating the country. This new funding will support India in purchasing oxygen concentrators and Pressure Swing Adsorption (PSA) oxygen plants to help meet the medium-term needs for medical oxygen.

Global Research Collaboration for Infectious Disease Preparedness [GloPID-R] [to 8 May 2021]

<https://www.glopid-r.org/news/>

News

[Global COVID-19 research agenda still missing the priorities of low- and middle-income countries](#)

07/05/2021

An article published today in The Lancet calls for urgent collaboration and coordination for unmet, underfunded COVID-19 research priorities in low-resource settings.

Hilleman Laboratories [to 8 May 2021]

<http://www.hillemanlabs.org/>

Website not responding at inquiry

Human Vaccines Project [to 8 May 2021]

<http://www.humanvaccinesproject.org/media/press-releases/>

No new digest content identified.

[Website not fully loading at inquiry]

IAVI [to 8 May 2021]

<https://www.iavi.org/newsroom>

PRESS RELEASES/FEATURES

No new digest content identified.

International Coalition of Medicines Regulatory Authorities [ICMRA]

<http://www.icmra.info/drupal/en/news>

Selected Statements, Press Releases, Research

Joint Statement on transparency and data integrity - International Coalition of Medicines Regulatory Authorities (ICMRA) and the World Health Organization (WHO)

7 May 2021

[See Milestones above for detail]

ICRC [to 8 May 2021]

<https://www.icrc.org/en/whats-new>

Selected News Releases, Statements, Reports

International Humanitarian Law Bibliography

The ICRC International Humanitarian Law Bibliography lists references to English and French publications on international humanitarian law.

06-05-2021 | Article

Multilateralism plays an important role in alleviating suffering and creating conditions for peace

Statement by the International Committee of the Red Cross, delivered by Laetitia Courtois, Permanent Observer, to Interactive Dialogue to commemorate and promote the International Day of Multilateralism and Diplomacy for Peace.

05-05-2021 | Statement

ICRC response to COVID-19: Near and Middle East

A YEAR OF LOSS, DISRUPTION, SOLIDARITY AND HOPE One year on since the outbreak of the COVID-19 pandemic, this newsletter provides an overview of the ICRC response across the Near and Middle East and illustrates how, despite many additional challenges

05-05-2021 | Report

International Generic and Biosimilar Medicines Association [IGBA]

<https://www.igbamedicines.org/>

News

No new digest content identified.

IFFIm

<http://www.iffim.org/>

Press Releases/Announcements

No new digest content identified.

IFRC [to 8 May 2021]

<http://media.ifrc.org/ifrc/news/press-releases/>

Selected Press Releases, Announcements

Bangladesh, India, Nepal, Pakistan

South Asia: Urgent action needed to prevent further human catastrophe

Kuala Lumpur/Kathmandu/Delhi/Geneva, 5 May 2021 – Urgent international support is needed to prevent a worsening human catastrophe in countries across South Asia as India's total COVID-19 infections soar past 20 million.
5 May 2021

Institut Pasteur [to 8 May 2021]

<https://www.pasteur.fr/en/press-area>

Press release

07.05.2021

Christine Petit co-recipient of the 2021 Gruber Neuroscience Prize

...The 2021 Gruber Neuroscience Prize is being awarded to neuroscientists Christine Petit, MD, PhD, of the Institut Pasteur (joint research unit Inserm), the French Academy of Sciences and Collège de France, and, and Christopher A. Walsh, MD, PhD, of Harvard Medical School and Boston Children's Hospital, for their groundbreaking work in revealing the genetic and molecular mechanisms behind the development of inherited neurodevelopmental disorders and with a profound impact on our understanding of how the brain functions, both in health and disease.

Christine Petit is receiving the award for her seminal contributions to the understanding of the mechanisms involved with hearing and hearing loss.

The Gruber Neuroscience Prize, which includes a \$500,000 award and a gold medal will be presented to Christine Petit and Christopher A. Walsh in November at the annual meeting of the Society for Neuroscience.

IOM / International Organization for Migration [to 8 May 2021]

<http://www.iom.int/press-room/press-releases>

News

World Migration Report Launches Dynamic New Data Visualization Platform

2021-05-05 15:53

Geneva – The International Organization for Migration's (IOM) flagship publication has launched a dynamic new webpage that connects fact-based narratives on migration with interactive data visualizations on...

800,000 South Sudanese May Face Reduced Access to Life-Saving Primary Health Care by June, IOM Warns

2021-05-04 14:21

Juba – The International Organization for Migration (IOM) warns that more than 800,000 people in South Sudan who rely on IOM for their health care may face reduced access to life-saving services by June if urgent calls for humanitarian funding are not met.

IRC International Rescue Committee [to 8 May 2021]

<http://www.rescue.org/press-release-index>

Media highlights [Selected]

Press Release

No new digest content identified.

IVAC [to 8 May 2021]

<https://www.jhsph.edu/research/centers-and-institutes/ivac/index.html>

Updates; Events

No new digest content identified.

IVI [to 8 May 2021]

<http://www.ivl.int/>

Selected IVI News, Announcements, Events

No new digest content identified.

JEE Alliance [to 8 May 2021]

<https://www.jeealliance.org/>

Selected News and Events

No new digest content identified.

Johns Hopkins Center for Health Security [to 8 May 2021]

<https://www.centerforhealthsecurity.org/news/center-news/>

Center News

No new digest content identified.

MSF/Médecins Sans Frontières [to 8 May 2021]

<http://www.msf.org/>

Latest [Selected Announcements]

No new digest content identified.

National Academy of Medicine - USA [to 8 May 2021]

<https://nam.edu/programs/>

Selected News/Programs

Upcoming Events:

May 18 2021

[**International Workshop on COVID-19 Lessons to Inform Pandemic Influenza Response, Day 1: Global Coordination**](#)

Time: 7:00 AM

This global public workshop will convene international experts, thought-leaders, and other stakeholders to discuss the emerging evidence on these unprecedented actions related to COVID-19 that could inform and advance pandemic and seasonal influenza vaccine preparedness efforts and subsequent response.

May 21 2021

[**International Workshop on COVID-19 Lessons to Inform Pandemic Influenza Response, Day 2: Supply Chain Cascade**](#)

Time: 8:30 AM

This global public workshop will convene international experts, thought-leaders, and other stakeholders to discuss the emerging evidence on these unprecedented actions related to COVID-19 that could inform and advance pandemic and seasonal influenza vaccine preparedness efforts and subsequent response.

May 25 2021

International Workshop on COVID-19 Lessons to Inform Pandemic Influenza Response, Day 3: Lessons Learned Across Fields

Time: 8:30 AM

This global public workshop will convene international experts, thought-leaders, and other stakeholders to discuss the emerging evidence on these unprecedented actions related to COVID-19 that could inform and advance pandemic and seasonal influenza vaccine preparedness efforts and subsequent response.

National Vaccine Program Office - U.S. HHS [to 8 May 2021]

<https://www.hhs.gov/vaccines/about/index.html>

Upcoming Meetings/Latest Updates

No new digest content identified.

NIH [to 8 May 2021]

<http://www.nih.gov/news-events/news-releases>

News Releases

No new digest content identified.

UN OCHA Office for the Coordination of Humanitarian Affairs [to 8 May 2021]

<https://www.unocha.org/>

Press Releases

No new digest content identified.

PATH [to 8 May 2021]

<https://www.path.org/media-center/>

Press Releases

No new digest content identified.

Sabin Vaccine Institute [to 8 May 2021]

<http://www.sabin.org/updates/pressreleases>

Statements and Press Releases

Vaccine Science and Policy Experts Call for Transformation of Vaccine R&D Enterprise

Tuesday, May 4, 2021

[See Milestones above for detail]

UNAIDS [to 8 May 2021]

<http://www.unaids.org/en>

Selected Press Releases/Reports/Statements

7 May 2021

Pioneers of the harm reduction response in Uganda

6 May 2021

Specialized medical waste management equipment for Republic of Moldova's harm reduction programme

5 May 2021

UNAIDS Executive Director visits projects in Namibia that empower adolescent girls and young women

5 May 2021

UNITY Platform publishes annual report on violence against sexual and gender minorities in Cameroon

4 May 2021

UNAIDS is saddened by the death of Patrick O'Connell, the founding director of Visual AIDS

4 May 2021

100% Life: 20 years of fighting

3 May 2021

Big drops in the cost of antiretroviral medicines, but COVID-19 threatens further reductions

UNDP United Nations Development Programme [to 8 May 2021]

<http://www.undp.org/content/undp/en/home/presscenter.html>

Latest from News Centre

No new digest content identified.

UNHCR Office of the United Nations High Commissioner for Refugees [to 8 May 2021]

<http://www.unhcr.org/en-us/media-centre.html>

Selected News Releases, Announcements

Pandemic threatens progress on refugee admissions through family, work, study permits

5 May 2021

A new study released today shows that 1.5 million people from nations driving major refugee movements were admitted by 35 OECD countries and Brazil on family, work and study permits in the decade just prior to the COVID-19 pandemic.

The latest report by UNHCR, the UN Refugee Agency, and the OECD, the Organisation for Economic Co-operation and Development, titled "Safe Pathways for Refugees II", examines admissions from 2010 to 2019 of people from seven countries propelling displacement: Afghanistan, Eritrea, Iran, Iraq, Somalia, Syria and Venezuela...

UNICEF [to 8 May 2021]

<https://www.unicef.org/media/press-releases>

Selected Press Releases, Statements

Press release

05/07/2021

Geneva Palais briefing note on the impact of the deadly COVID-19 surge on children in India, and increasingly in the region

This is a summary of what was said by UNICEF representative Dr Yasmin Ali Haque – to whom quoted text may be attributed – at today's press briefing at the Palais des Nations in Geneva.

... "UNICEF is very concerned about this deadly daily surge in new cases. This wave is almost four times the size of the first wave and the virus is spreading much faster. On an average there were more than four new cases every second and more than two deaths every minute in last 24 hours. With the surge in cases, the virus is also affecting more people across age groups including children and infants.

"What is happening in India should raise alarm bells for all of us. The pandemic is far from over. COVID-19 cases are rising at an alarming rate across South Asia, especially in Nepal, Sri Lanka and the Maldives. Entire health systems could collapse, leading to more tragic loss of life. Very low levels of vaccination in most South Asian countries (less than 10% in India, Sri Lanka and Nepal) is adding to concern of the virus spiraling even further. Besides South Asia, we are also seeing alarming situations in other parts of the world.

"Along with the increase in COVID-19 cases, the impact on children being affected by the virus has also increased. And of course the impact of the outbreak and public health and social measures on children is likely to be aggravated following the second wave. They are living through a tragedy...

Press release

05/05/2021

United States renews longstanding commitment to UNICEF with \$300 million pledge for improving the lives of mothers and children

News note

05/05/2021

Canada becomes first country to support COVID-19 therapeutics via new UNICEF fund

Low- and middle-income countries set to benefit from Canadian contribution in support of global equitable access to lifesaving COVID-19 medical supplies

News note

05/04/2021

UNICEF, with support from DP World, sends critical supplies to help fight COVID-19 surge in India

Statement

05/04/2021

Deadly new surge in South Asia threatens to reverse global gains against the COVID-19 pandemic and have disproportionate impact on children

Statement by George Laryea-Adjei, UNICEF Regional Director for South Asia

Unitaid [to 8 May 2021]

<https://unitaid.org/>

Featured News

06 May 2021

[Unitaid statement on US support for IP waiver for COVID-19 vaccines](#)

[See COVID – TRIPS – IP above for detail]

Vaccination Acceptance Research Network (VARN) [to 8 May 2021]

<https://vaccineacceptance.org/news.html#header1-2r>

Announcements

No new digest content identified.

Vaccine Confidence Project [to 8 May 2021]

<http://www.vaccineconfidence.org/>

News, Research and Reports

[Coronavirus global impact](#)

Launched April 2, 2020 and recurring every 3 days, Premise Data is utilizing its global network of Contributors to assess economic, social, and health sentiment surrounding the coronavirus (COVID-19).

Vaccine Education Center – Children’s Hospital of Philadelphia [to 8 May 2021]

<http://www.chop.edu/centers-programs/vaccine-education-center>

News

No new digest content identified.

Wellcome Trust [to 8 May 2021]

<https://wellcome.ac.uk/news>

News and reports

Explainer

[What are human infection studies and why do we need them?](#)

5 May 2021

Human infection studies (also known as human challenge trials and controlled human infection models) have the power to rapidly accelerate the development of much-needed vaccines and treatments, including for Covid-19.

The Wistar Institute [to 8 May 2021]

<https://www.wistar.org/news/press-releases>

Press Releases

No new digest content identified.

WFPHA: World Federation of Public Health Associations [to 8 May 2021]

<https://www.wfpha.org/>

Latest News

Public Health Leadership Coalition: Global Launch

News May 7, 2021

The COVID-19 pandemic has underlined how a focused and organised public health effort is imperative to fight global crises effectively.

The Public Health Leadership Coalition is taking the responsibility of being a strong, independent and accountable voice of public health workforce, communities, civil societies, and scientific experts to make governments and organizations accountable for their choices.

Coalition leaders will provide scientific advice and effective solutions to enable decision-makers to implement the best evidence-based policies in public health and to make the right choice for the health and wealth of each country.

On 12 May, join the official launch of the Public Health Leadership Coalition to learn more about the Coalition's values and aims. Save your spot by clicking on the link below.

[Register Here](#)

World Bank [to 8 May 2021]

<http://www.worldbank.org/en/news/all>

Selected News, Announcements

Key Facts: World Bank Group Vaccine Announcement

COVID-19 vaccines, alongside widespread testing, improved treatment and strong health systems are critical to save lives and strengthen the global economic recovery. To provide relief for vulnerable populations...

Date: May 03, 2021 Type: Factsheet

World Customs Organization – WCO [to 8 May 2021]

<http://www.wcoomd.org/>

Latest News – Selected Items

No new digest content identified.

World Organisation for Animal Health (OIE) [to 8 May 2021]

<https://www.oie.int/en/for-the-media/press-releases/2021/>

Press Releases

No new digest content identified.

WTO - World Trade Organisation [to 8 May 2021]

http://www.wto.org/english/news_e/news_e.htm

WTO News and Events

Webinar to explore links between TRIPS and health technology dissemination

7 May 2021

A panel of leading experts will explore on 12 May the impact of the Agreement on Trade-Related Aspects of Intellectual Property Rights (TRIPS) on health technology diffusion over the past 25 years and its role in the broader ecosystem that is required to support innovation and equitable access to medical technologies. The webinar "Trade and Public Health: Dissemination of Health Technologies" forms part of a series of events to mark the 25th anniversary of the TRIPS Agreement.

The webinar is an integral part of the "[Virtual Course on Trade and Public Health with a Special Focus on the COVID-19 Pandemic](#)" and is open to the public. It will take place on 12 May 2021, from 14:00 to 16:30 (CET).

Registration for the webinar is available [here](#).

The full programme of the event is available [here](#).

The event will be live streamed through the [WTO YouTube channel](#).

Statement of Director-General Ngozi Okonjo-Iweala on USTR Tai's statement on the TRIPS waiver

6 May 2021

"I read with interest the statement made yesterday by USTR Katherine Tai and I warmly welcome her willingness to engage with proponents of a temporary waiver of the TRIPS Agreement to help in combatting the COVID-19 pandemic. As I told the General Council yesterday, we need to respond urgently to COVID-19 because the world is watching and people are dying. I am pleased that the proponents are preparing a revision to their proposal and I urge them to put this on the table as soon as possible so that text-based negotiations can commence. It is only by sitting down together that we will find a pragmatic way forward — acceptable to all members — which enhances developing countries' access to vaccines while protecting and sustaining the research and innovation so vital to the production of these life-saving vaccines."

General Council - Remarks by DG Okonjo-Iweala on the IP waiver

5 May 2021

Speech

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ARM [Alliance for Regenerative Medicine] [to 8 May 2021]

Press Releases - Alliance for Regenerative Medicine (alliancerm.org)

Press Releases

No new digest content identified.

BIO [to 8 May 2021]

<https://www.bio.org/press-releases>

Press Releases

Support of "TRIPS" Waiver Sets Dangerous Precedent

May 5, 2021

Dr. Michelle McMurtry-Heath, president and CEO of the Biotechnology Innovation Organization (BIO), released the following statement in response to the White House's support of waiving critical intellectual property rights for COVID-19...

..."Handing needy countries a recipe book without the ingredients, safeguards, and sizable workforce needed will not help people waiting for the vaccine. Handing them the blueprint to construct a kitchen that - in optimal conditions - can take a year to build will not help us stop the emergence of dangerous new COVID variants. The better alternative would have been to follow through on the President's pledge just last week to make the United States the world's "arsenal of vaccines". This policy leads in the opposite direction....

DCVMN – Developing Country Vaccine Manufacturers Network [to 8 May 2021]

<http://www.dcvmn.org/>

News; Upcoming events

No new digest content identified.

ICBA – International Council of Biotechnology Associations [to 8 May 2021]

<https://internationalbiotech.org/news/>

News

No new digest content identified.

IFPMA [to 8 May 2021]

<http://www.ifpma.org/resources/news-releases/>

Selected Press Releases, Statements, Publications

[IFPMA Response on Joint Statement on transparency and data integrity by International Coalition of Medicines](#)

Geneva, 7 May 2021

[See Milestones above for detail]

[IFPMA Statement on WTO TRIPS Intellectual Property Waiver](#)

05 May 2021

[See COVID – TRIPS – IP above for detail]

PhRMA [to 8 May 2021]

<http://www.phrma.org/>

Selected Press Releases, Statements

[PhRMA CAREs Grant request for proposals: Addressing inequities in access to COVID-19 testing, therapeutics and vaccines](#)

May 6, 2021

PhRMA CAREs Grant request for proposals: Addressing inequities in access to COVID-19 testing, therapeutics, and vaccines

Blog Post

[PhRMA Statement on WTO TRIPS Intellectual Property Waiver](#)

May 5, 2021

Pharmaceutical Research and Manufacturers of America (PhRMA) president and CEO Stephen J. Uhl made the following statement after the United States Trade Representative expressed support for a proposal to waive patent protections for COVID-19 medicines.

Press release

[See COVID – TRIPS – IP above for detail]

[A conversation with Ron Busby, Sr., President and CEO of the U.S. Black Chambers, Inc. on improving vaccine confidence in communities of color](#)

May 5, 2021

A conversation with Ron Busby, Sr., President and CEO of the U.S. Black Chambers, Inc. on improving vaccine confidence in communities of color

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Journal Watch

Vaccines and Global Health: The Week in Review continues its weekly scanning of key peer-reviewed journals to identify and cite articles, commentary and editorials, books reviews and other content supporting our focus on vaccine ethics and policy. Journal Watch is not intended to be exhaustive, but indicative of themes and issues the Center is actively tracking. We selectively provide full text of some editorial and comment articles that are specifically relevant to our work. Successful access to some of the links provided may require subscription or other access arrangement unique to the publisher.

If you would like to suggest other journal titles to include in this service, please contact David Curry at: david.r.curry@centerforvaccineethicsandpolicy.org

AJOB Empirical Bioethics

Volume 12, 2020 Issue 2

<https://www.tandfonline.com/toc/uabr21/current>

[Reviewed earlier]

AMA Journal of Ethics

Volume 23, Number 5: E371-433 May 2021

<https://journalofethics.ama-assn.org/issue/ending-hiv-epidemic>

Ending the HIV Epidemic

A human immunodeficiency virus (HIV) epidemic began in the United States in the 1970s. "Ending the HIV Epidemic: A Plan for America" was launched in October 2019 by the US Department of Health and Human Services, with the goal of stopping the spread of HIV by 2030. Accomplishing this goal demands not only expanding existing programs, but recognizing and responding to clinically, ethically, socially, and culturally relevant features of contemporary patients' experiences of stigma, oppression, and living with HIV. This issue considers ethical and clinical complexities patients and clinicians encounter in HIV care today.

American Journal of Infection Control

May 2021 Volume 49 Issue 5 p533-656

<http://www.ajicjournal.org/current>

[Reviewed earlier]

American Journal of Preventive Medicine

May 2021 Volume 60 Issue 5 p595-736

<http://www.ajpmonline.org/current>

Research Articles

[Reviewed earlier]

American Journal of Public Health

May 2021 111(5)

<http://ajph.aphapublications.org/toc/ajph/current>

[Reviewed earlier]

Annals of Internal Medicine

April 2021 Volume 174, Issue 4

<http://annals.org/aim/issue>

[Reviewed earlier]

Artificial Intelligence – An International Journal

Volume 294 May 2021

<https://www.sciencedirect.com/journal/artificial-intelligence/vol/294/suppl/C>

[Reviewed earlier]

BMC Cost Effectiveness and Resource Allocation

<http://resource-allocation.biomedcentral.com/>

(Accessed 8 May 2021)

[No new digest content identified]

BMJ Global Health

April 2021 - Volume 6 - Suppl 1

https://gh.bmj.com/content/6/Suppl_1

Migration and Health in Social Context

Editorial

[Introduction: migration and health in social context](#) (7 April, 2021)

Emily Mendenhall, Seth M Holmes

BMC Health Services Research

<http://www.biomedcentral.com/bmchealthservres/content>

(Accessed 8 May 2021)

[Knowledge and preparedness of healthcare providers towards bioterrorism](#)

Several emergent circumstances require healthcare providers to recognize the unusual and dangerous and pathogenic agents. An in-depth literature review showed that studies about bioterrorism preparedness among...

Authors: Abdullah Nofal, Isamme AlFayyad, Nawfal AlJerian, Jalal Alowais, Meshal AlMarshady, Anas Khan, Humariya Heena, Ayah Sulaiman AlSarheed and Amani Abu-Shaheen

Citation: BMC Health Services Research 2021 21:426

Content type: Research article

Published on: 5 May 2021

BMC Infectious Diseases

<http://www.biomedcentral.com/bmcinfectdis/content>

(Accessed 8 May 2021)

Self-management interventions for adolescents living with HIV: a systematic review

Self-management interventions aim to enable people living with chronic conditions to increase control over their condition in order to achieve optimal health and may be pertinent for young people with chronic ...

Authors: Talitha Crowley and Anke Rohwer

Citation: BMC Infectious Diseases 2021 21:431

Content type: Research

Published on: 7 May 2021

Evaluation of the effectiveness and safety of adding ivermectin to treatment in severe COVID-19 patients

An effective treatment option is not yet available for SARS-CoV2, which causes the COVID-19 pandemic and whose effects are felt more and more every day. Ivermectin is among the drugs whose effectiveness in tre...

Authors: Nurullah Okumuş, Neşe Demirtürk, Rıza Aytaç Çetinkaya, Rahmet Güner, İsmail Yaşar Avcı, Semiha Orhan, Petek Konya, Bengü Şaylan, Ayşegül Karalezli, Levent Yamanel, Bircan Kayaaslan, Gülden Yılmaz, Ümit Savaşçı, Fatma Eser and Gürhan Taşkın

Citation: BMC Infectious Diseases 2021 21:411

Content type: Research

Published on: 4 May 2021

BMC Medical Ethics

<http://www.biomedcentral.com/bmcmedethics/content>

(Accessed 8 May 2021)

[No new digest content identified]

BMC Medicine

<http://www.biomedcentral.com/bmcmed/content>

(Accessed 8 May 2021)

[No new digest content identified]

BMC Pregnancy and Childbirth

<http://www.biomedcentral.com/bmcpregnancychildbirth/content>

(Accessed 8 May 2021)

[No new digest content identified]

BMC Public Health

<http://bmcpublichealth.biomedcentral.com/articles>

(Accessed 8 May 2021)

The Socioecological Model as a framework for exploring factors influencing childhood immunization uptake in Lagos state, Nigeria

Nigeria is one of the ten countries globally that account for 62% of under- and unvaccinated children worldwide. Despite several governmental and non-governmental agencies' interventions, Nigeria has yet to ac...

Authors: Abisola Olaniyan, Chinwoke Isiguzo and Mary Hawk

Citation: BMC Public Health 2021 21:867

Content type: Research

Published on: 5 May 2021

Time trends in HPV vaccination according to country background: a nationwide register-based study among girls in Norway

Since the human papillomavirus (HPV) vaccine was introduced in Norway in 2009, the vaccine uptake has increased. Whether this increase is similar regardless of the girls' country background is unknown. We exam...

Authors: Randi Dalene Bjerke, Ida Laake, Berit Feiring, Geir Aamodt and Lill Trogstad

Citation: BMC Public Health 2021 21:854

Content type: Research article

Published on: 3 May 2021

BMC Research Notes

<http://www.biomedcentral.com/bmcresnotes/content>

(Accessed 8 May 2021)

[No new digest content identified]

BMJ Evidence-Based Medicine

April 2021 - Volume 26 - 2

<https://ebm.bmj.com/content/26/2>

[Reviewed earlier]

BMJ Open

May 2021 - Volume 11 - 5

<https://bmjopen.bmj.com/content/11/5>

[New issue; No digest content identified]

Bulletin of the World Health Organization

Volume 99, Number 5, May 2021, 321-404

<https://www.who.int/bulletin/volumes/99/5/en/>

EDITORIALS

Consensus on disease control objectives in the context of COVID-19 vaccines

— Vageesh Jain & Sam Tweed

<http://dx.doi.org/10.2471/BLT.20.283846>

RESEARCH

Gaps in health security related to wildlife and environment affecting pandemic prevention and preparedness, 2007–2020

— Catherine Machalaba, Marcela Uhart, Marie-Pierre Ryser-Degiorgis & William B Karesh
<http://dx.doi.org/10.2471/BLT.20.272690>

Cell

Apr 29, 2021 Volume 184 Issue 9p2259-2524
<https://www.cell.com/cell/current>
[Reviewed earlier]

Child Care, Health and Development

Volume 47, Issue 3 Pages: 297-410 May 2021
<https://onlinelibrary.wiley.com/toc/13652214/current>
[Reviewed earlier]

Clinical Pharmacology & Therapeutics

Volume 109, Issue 5 Pages: 1159-1362 May 2021
<https://ascpt.onlinelibrary.wiley.com/toc/15326535/current>
[Reviewed earlier]

Clinical Therapeutics

Volume 43 Issue 3 p431-650, e57-e96
<http://www.clinicaltherapeutics.com/current>
[Reviewed earlier]

Clinical Trials

Volume 18 Issue 2, April 2021
<https://journals.sagepub.com/toc/ctja/18/2>
[Reviewed earlier]

Conflict and Health

<http://www.conflictandhealth.com/>
[Accessed 8 May 2021]

[Violence against healthcare in conflict: a systematic review of the literature and agenda for future research](#)

Attacks on health care in armed conflict, including those on health workers, facilities, patients and transports, represent serious violations of human rights and international humanitarian law. Information ab...

Authors: Rohini J. Haar, Róisín Read, Larissa Fast, Karl Blanchet, Stephanie Rinaldi, Bertrand Taithe, Christina Wille and Leonard S. Rubenstein

Citation: Conflict and Health 2021 15:37

Content type: Review

Published on: 7 May 2021

Contemporary Clinical Trials

Volume 103 April 2021

<https://www.sciencedirect.com/journal/contemporary-clinical-trials/vol/103/suppl/C>

[New issue; No digest content identified]

The CRISPR Journal

Volume 4, Issue 2 / April 2021

<https://www.liebertpub.com/toc/crispr/4/2>

[Reviewed earlier]

Current Genetic Medicine Reports

Volume 9, issue 2, June 2021

<https://link.springer.com/journal/40142/volumes-and-issues/9-2>

[Reviewed earlier]

Current Opinion in Infectious Diseases

June 2021 - Volume 34 - Issue 3

<https://journals.lww.com/co-infectiousdiseases/pages/currenttoc.aspx>

[Reviewed earlier]

Current Protocols in Human Genetics

Volume 108, Issue 1 December 2020

<https://currentprotocols.onlinelibrary.wiley.com/toc/19348258/current>

[Reviewed earlier]

Developing World Bioethics

Volume 21, Issue 1 Pages: i, 1-54 March 2021

<https://onlinelibrary.wiley.com/toc/14718847/current>

[Reviewed earlier]

Development in Practice

Volume 31, Issue 3, 2021

<http://www.tandfonline.com/toc/cdip20/current>

[Reviewed earlier]

Disaster Medicine and Public Health Preparedness

Volume 15 - Issue 1 - February 2021

<https://www.cambridge.org/core/journals/disaster-medicine-and-public-health-preparedness/latest-issue>

[Reviewed earlier]

Disasters

Volume 45, Issue 2 Pages: 253-497 April 2021
<https://onlinelibrary.wiley.com/toc/14677717/current>
[Reviewed earlier]

EMBO Reports

Volume 22 Issue 5 5 May 2021
<https://www.embopress.org/toc/14693178/current>
Science & Society 5 May 2021 Open Access

[Strength is in engagement: The rise of an online scientific community during the COVID-19 pandemic](#)

Christine E Cucinotta, Benjamin J E Martin, Melvin Noé González, Pravrutha Raman, Vladimir B Teif, Hanneke Vlaming

Many scientists, confined to home office by COVID-19, have been gathering in online communities, which could become viable alternatives to physical meetings and conferences.

Emerging Infectious Diseases

Volume 27, Number 5—May 2021
<http://wwwnc.cdc.gov/eid/>
[Reviewed earlier]

Epidemics

Volume 34 March 2021
<https://www.sciencedirect.com/journal/epidemics/vol/34/suppl/C>
[Reviewed earlier]

Epidemiology and Infection

Volume 149 - 2021
<https://www.cambridge.org/core/journals/epidemiology-and-infection/latest-issue>
[Reviewed earlier]

Ethics & Human Research

Volume 43, Issue 2 Pages: 1-48 March–April 2021
<https://onlinelibrary.wiley.com/toc/25782363/current>
Research ethics and pandemics • IRBs and AI research
[Reviewed earlier]

The European Journal of Public Health

Volume 31, Issue 2, April 2021
<https://academic.oup.com/eurpub/issue/31/2>

[Reviewed earlier]

Expert Review of Vaccines

Vol 20 (3) 2021

<https://www.tandfonline.com/toc/ierv20/current>

Interview

COVID-19 and the rise of anti-science

Peter Hotez

Pages: 227-229

Published online: 22 Feb 2021

Article

Latin American forum on immunization services during the COVID-19 pandemic

María L. Ávila-Agüero, Sebastián Ospina-Henao, María C. Pirez, Ángela Gentile, Soraya Araya, José Brea, Lourdes Mendoza & Luiza H. Falleiros-Arlant

Pages: 231-234

Published online: 20 Feb 2021

Gates Open Research

<https://gatesopenresearch.org/browse/articles>

[Accessed 8 May 2021]

[No new digest content identified]

Genome Medicine

<https://genomemedicine.biomedcentral.com/articles>

[Accessed 8 May 2021]

[No new digest content identified]

Global Health Action

Volume 14, Issue 1 (2021)

<https://www.tandfonline.com/toc/zgha20/current?nav=tocList>

[Reviewed earlier]

Global Health: Science and Practice (GHSP)

Vol. 9, No. 1 March 2021

<http://www.ghspjournal.org/content/current>

[Reviewed earlier]

Global Public Health

Volume 16, Issue 5 (2021)

<http://www.tandfonline.com/toc/rgph20/current>

Special Issue: The Contested Global Politics of Pleasure and Danger: Sexuality, Gender, Health and Human Rights; Guest Editors: Carmen H. Logie, Amaya Perez-Brumer and Richard Parker

[Reviewed earlier]

Globalization and Health

<http://www.globalizationandhealth.com/>

[Accessed 8 May 2021]

[No new digest content identified]

Health Affairs

Vol. 40, No. 3 March 2021

<https://www.healthaffairs.org/toc/hlthaff/current>

March 2021 / Nursing Homes, COVID-19 & More

[Reviewed earlier]

Health and Human Rights

Volume 22, Issue 1, June 2020

<https://www.hhrjournal.org/volume-22-issue-1-june-2020/>

Special Section: Mental Health and Human Rights

[Reviewed earlier]

Health Economics, Policy and Law

Volume 16 - Issue 2 - April 2021

<https://www.cambridge.org/core/journals/health-economics-policy-and-law/latest-issue>

[Reviewed earlier]

Health Policy and Planning

Volume 36, Issue 3, April 2021

<https://academic.oup.com/heapol/issue/36/3>

[Reviewed earlier]

Health Research Policy and Systems

<http://www.health-policy-systems.com/content>

[Accessed 8 May 2021]

[No new digest content identified]

Human Gene Therapy

Volume 32, Issue 7-8 / April 2021

<https://www.liebertpub.com/toc/hum/32/7-8>

[Reviewed earlier]

Humanitarian Exchange Magazine

Number 78, October 2020

<https://odihpn.org/magazine/inclusion-of-persons-with-disabilities-in-humanitarian-action-what-now/>

Disability inclusion in humanitarian action

by HPN October 2020

The theme of this edition of Humanitarian Exchange, co-edited with Sherin Alsheikh Ahmed from Islamic Relief Worldwide, is disability inclusion in humanitarian action. Persons with disabilities are not only disproportionately impacted by conflicts, disasters and other emergencies, but also face barriers to accessing humanitarian assistance. At the same time, global commitments and standards and the IASC Guidelines on the inclusion of persons with disabilities in humanitarian action all emphasise how persons with disabilities are also active agents of change. Disability and age-focused organisations have led on testing and demonstrating how inclusion can be done better. Yet despite this progress, challenges to effective inclusion remain.

As Kirstin Lange notes in the lead article, chief among these challenges is humanitarian agencies' lack of engagement with organisations of persons with disabilities. Simone Bula, Elizabeth Morgan and Teresa Thomson look at disability inclusion in humanitarian response in the Pacific, and Kathy Al Jubeh and Alradi Abdalla argue for a 'participation revolution', building on learning from the gender movement. Tchaurea Fleury and Sulayman AbdulMumuni Ujah outline how the Bridge Article 11 training initiative is encouraging constructive exchange between humanitarian and disability actors. The lack of good, disaggregated data is highlighted by Sarah Collinson; Frances Hill, Jim Cranshaw and Carys Hughes emphasise the need for training resources in local languages and accessible formats; and Sophie Van Eetvelt and colleagues report on a review of the evidence on inclusion of people with disabilities and older people.

Rebecca Molyneux and co-authors analyse the findings of a review of a DFID programme in north-east Nigeria, while Carolin Funke highlights the importance of strategic partnerships between disability-focused organisations, drawing on her research in Cox's Bazar. Sherin Alsheikh Ahmed describes Islamic Relief Worldwide's approach to mainstreaming protection and inclusion, while Pauline Thivillier and Valentina Shafina outline IRC's Client Responsive Programming. The edition ends with reflections by Mirela Turcanu and Yves Ngunzi Kahashi on CAFOD's SADI approach.

Human Vaccines & Immunotherapeutics (formerly Human Vaccines)

Volume 17, Issue 5, 2021

<https://www.tandfonline.com/toc/khvi20/current>

[Reviewed earlier]

Infectious Agents and Cancer

<http://www.infectagentscancer.com/content>

[Accessed 8 May 2021]

[No new digest content identified]

Infectious Diseases of Poverty

<http://www.idpjournals.com/content>

[Accessed 8 May 2021]

[No new digest content identified]

International Health

Volume 13, Issue 3, May 2021

<https://academic.oup.com/inthealth/issue/13/3>

[Reviewed earlier]

International Journal of Community Medicine and Public Health

Vol 8, No 5 (2021) May 2021

<https://www.ijcmph.com/index.php/ijcmph/issue/view/76>

[Reviewed earlier]

International Journal of Epidemiology

Volume 50, Issue 1, February 2021

<https://academic.oup.com/ije/issue>

[Reviewed earlier]

International Journal of Human Rights in Healthcare

Volume 14 Issue 1 2021

<https://www.emerald.com/insight/publication/issn/2056-4902/vol/14/iss/1>

Table of Contents

[Reviewed earlier]

International Journal of Infectious Diseases

Volume 105 p1-784

<https://www.ijidonline.com/current>

[Reviewed earlier]

JAMA

Online First

May 6, 2021

Original Investigation

[Association Between Vaccination With BNT162b2 and Incidence of Symptomatic and Asymptomatic SARS-CoV-2 Infections Among Health Care Workers](#)

Yoel Angel, MD, MBA; Avishay Spitzer, MD; Oryan Henig, MD; et al.

free access

JAMA. Published online May 6, 2021. doi:10.1001/jama.2021.7152

This cohort study estimates the association between Pfizer-BioNTech BNT162b2 vaccination and symptomatic and asymptomatic SARS-CoV-2 infections among health care workers more than 7 days after receipt of a second vaccine dose.

Research Letter

Asymptomatic and Symptomatic SARS-CoV-2 Infections After BNT162b2 Vaccination in a Routinely Screened Workforce

Li Tang, PhD; Diego R. Hijano, MD, MSc; Aditya H. Gaur, MD, MBBS; et al.

free access

JAMA. Published online May 6, 2021. doi:10.1001/jama.2021.6564

This study aims to describe an association between the Pfizer-BioNTech (BNT162b2) vaccine and decreased risk of symptomatic and asymptomatic infections with SARS-CoV-2 in hospital employees. May 5, 2021

JAMA

May 4, 2021, Vol 325, No. 17, Pages 1703-1804

<https://jamanetwork.com/journals/jama/currentissue>

Research Letter

Antibody Response to 2-Dose SARS-CoV-2 mRNA Vaccine Series in Solid Organ Transplant Recipients

Brian J. Boyarsky, MD, PhD; William A. Werbel, MD; Robin K. Avery, MD; et al.

free access

JAMA. Published online May 5, 2021. doi:10.1001/jama.2021.7489

This follow-up study measures the antibody response following the second dose of SARS-CoV-2 mRNA vaccine in recipients of solid organ transplants.

Viewpoint

Revised UNAIDS/WHO Ethical Guidance for HIV Prevention Trials

Rieke van der Graaf, PhD; Andreas Reis, MD, MSc; Peter Godfrey-Faussett, MBBS

free access

JAMA. 2021;325(17):1719-1720. doi:10.1001/jama.2021.0258

This Viewpoint summarizes updates to the UNAIDS/WHO document on ethical guidance for HIV prevention trials, emphasizing the importance of collaboration among trialists, sponsors, participants, and community members if the world is to reach a target of fewer than 200 000 new infections per year by 2030.

JAMA Live Highlights

Experts Discuss COVID-19—Variants and Vaccine Efficacy, Immunosuppressed Patients, and More

free access has active quiz has audio

JAMA. 2021;325(17):1711-1712. doi:10.1001/jama.2021.5938

JAMA Live Highlights features comments from livestream interviews with experts in clinical care, public health, and health policy on critical issues related to the COVID-19 pandemic. Comments have been edited for clarity.

JAMA Network

COVID-19 Update May 8, 2021

These articles on COVID-19 were published across the JAMA Network in the last week.

JAMA Pediatrics

May 2021, Vol 175, No. 5, Pages 449-544

<https://jamanetwork.com/journals/jamapediatrics/currentissue>

Original Investigation

Novel Variant Findings and Challenges Associated With the Clinical Integration of Genomic Testing: An Interim Report of the Genomic Medicine for Ill Neonates and Infants (GEMINI) Study

Jill L. Maron, MD, MPH; Stephen F. Kingsmore, MD; Kristen Wigby, MD; et al.

online only

JAMA Pediatr. 2021;175(5):e205906. doi:10.1001/jamapediatrics.2020.5906

This comparative effectiveness study reports interim variants and associated interpretations of an ongoing study comparing rapid whole-genomic sequencing with a novel targeted genomic platform.

JBI Evidence Synthesis

April 2021 - Volume 19 - Issue 4

<https://journals.lww.com/jbisrir/Pages/currenttoc.aspx>

[Reviewed earlier]

Journal of Adolescent Health

Volume 68 Issue 5 p833-1024

<https://www.jahonline.org/current>

[Reviewed earlier]

Journal of Artificial Intelligence Research

Vol. 70 (2021)

<https://www.jair.org/index.php/jair>

[Reviewed earlier]

Journal of Community Health

Volume 46, issue 2, April 2021

<https://link.springer.com/journal/10900/volumes-and-issues/46-2>

[Reviewed earlier]

Journal of Development Economics

Volume 150 May 2021

<https://www.sciencedirect.com/journal/journal-of-development-economics/vol/150/suppl/C>

[Reviewed earlier]

Journal of Empirical Research on Human Research Ethics

Volume 16 Issue 1-2, February-April 2021

<http://journals.sagepub.com/toc/jre/current>

[Reviewed earlier]

Journal of Epidemiology & Community Health

May 2021 - Volume 75 - 5

<https://jech.bmj.com/content/75/5>

[Reviewed earlier]

Journal of Evidence-Based Medicine

Volume 14, Issue 1 Pages: 1-81 February 2021

<https://onlinelibrary.wiley.com/toc/17565391/current>

[Reviewed earlier]

Journal of Global Ethics

Volume 16, Issue 3, 2020

<http://www.tandfonline.com/toc/rjge20/current>

[New issue; No digest content identified]

Journal of Health Care for the Poor and Underserved (JHCPU)

Volume 32, Number 1, February 2021

<https://muse.jhu.edu/issue/43951>

Table of Contents

[Reviewed earlier]

Journal of Immigrant and Minority Health

Volume 23, issue 3, June 2021

<https://link.springer.com/journal/10903/volumes-and-issues/23-3>

[Reviewed earlier]

Journal of Immigrant & Refugee Studies

Volume 19, 2021_ Issue 2

<https://www.tandfonline.com/toc/wimm20/current>

[Reviewed earlier]

Journal of Infectious Diseases

Volume 223, Issue 6, 15 March 2021

<https://academic.oup.com/jid/issue/223/6>

[Reviewed earlier]

Journal of Medical Ethics

May 2021 - Volume 47 - 5

<http://jme.bmj.com/content/current>

[Reviewed earlier]

Journal of Patient-Centered Research and Reviews

Volume 8, Issue 2 (2021)

<https://digitalrepository.aurorahealthcare.org/jpcrr/>

[Reviewed earlier]

Journal of Pediatrics

Volume 232 p1-316

<http://www.jpeds.com/current>

[Reviewed earlier]

Journal of Pharmaceutical Policy and Practice

<https://joppp.biomedcentral.com/>

[Accessed 8 May 2021]

[No new digest content identified]

Journal of Public Health Management & Practice

May/June 2021 - Volume 27 - Issue 3

<https://journals.lww.com/jphmp/pages/currenttoc.aspx>

[Reviewed earlier]

Journal of Public Health Policy

Volume 42, issue 1, March 2021

<https://link.springer.com/journal/41271/volumes-and-issues/42-1>

[Reviewed earlier]

Journal of Refugee & Global Health

Volume 4, Issue 1 (2021)

<https://ir.library.louisville.edu/rgh/>

[Reviewed earlier]

Journal of the Royal Society – Interface

May 2021 Volume 18 Issue 178

<https://royalsocietypublishing.org/toc/rsif/current>

[New issue: No digest content identified]

Journal of Travel Medicine

Volume 28, Issue 3, April 2021

<https://academic.oup.com/jtm/issue>

[Reviewed earlier]

Journal of Virology

May 2021; Volume 95, Issue 10

<http://jvi.asm.org/content/current>

[Reviewed earlier]

The Lancet

May 08, 2021 Volume 397 Number 10286 p1683-1780

<https://www.thelancet.com/journals/lancet/issue/current>

Editorial

India's COVID-19 emergency

... India must now pursue a two-pronged strategy. First, the botched vaccination campaign must be rationalised and implemented with all due speed. There are two immediate bottlenecks to overcome: increasing vaccine supply (some of which should come from abroad) and setting up a distribution campaign that can cover not just urban but also rural and poorer citizens, who constitute more than 65% of the population (over 800 million people) but face a desperate scarcity of public health and primary care facilities. The government must work with local and primary health-care centres that know their communities and create an equitable distribution system for the vaccine.

Second, India must reduce SARS-CoV-2 transmission as much as possible while the vaccine is rolled out. As cases continue to mount, the government must publish accurate data in a timely manner, and forthrightly explain to the public what is happening and what is needed to bend the epidemic curve, including the possibility of a new federal lockdown. Genome sequencing needs to be expanded to better track, understand, and control emerging and more transmissible SARS-CoV-2 variants. Local governments have begun taking disease-containment measures, but the federal government has an essential role in explaining to the public the necessity of masking, social distancing, halting mass gatherings, voluntary quarantine, and testing. Modi's actions in attempting to stifle criticism and open discussion during the crisis are inexcusable.

The Institute for Health Metrics and Evaluation estimates that India will see a staggering 1 million deaths from COVID-19 by Aug 1. If that outcome were to happen, Modi's Government would be responsible for presiding over a self-inflicted national catastrophe. India squandered its early successes in controlling COVID-19. Until April, the government's COVID-19 taskforce had not met in months. The consequences of that decision are clear before us, and India must now restructure its response while the crisis rages. The success of that effort will depend on the government owning up to its mistakes, providing responsible leadership and transparency, and implementing a public health response that has science at its heart.

Articles

COVID-19 vaccine coverage in health-care workers in England and effectiveness of BNT162b2 mRNA vaccine against infection (SIREN): a prospective, multicentre, cohort study

Victoria Jane Hall, et al and the SIREN Study Group

The Lancet Child & Adolescent Health

May 2021 Volume 5 Number 5 p309-384, e12-e18

<https://www.thelancet.com/journals/lanchi/issue/current>

[Reviewed earlier]

Lancet Digital Health

Apr 2021 Volume 3 Number 4 e204-e273

<https://www.thelancet.com/journals/landig/issue/current>

[Reviewed earlier]

Lancet Global Health

May 2021 Volume 9 Number 5 e558-e720

<https://www.thelancet.com/journals/langlo/issue/current>

[Reviewed earlier]

Lancet Infectious Diseases

May 2021 Volume 21 Number 5 p579-742, e110-e140

<https://www.thelancet.com/journals/laninf/issue/current>

[Reviewed earlier]

Lancet Public Health

May 2021 Volume 6 Number 5 e260-e345

<https://www.thelancet.com/journals/lanpub/issue/current>

[Reviewed earlier]

Lancet Respiratory Medicine

May 2021 Volume 9 Number 5 p435-544, e47-e50

<https://www.thelancet.com/journals/lanres/issue/current>

[Reviewed earlier]

Maternal and Child Health Journal

Volume 25, issue 5, May 2021

<https://link.springer.com/journal/10995/volumes-and-issues/25-5>

[Reviewed earlier]

Medical Decision Making (MDM)

Volume 41 Issue 4, May 2021

<http://mdm.sagepub.com/content/current>

[Reviewed earlier]

The Milbank Quarterly

A Multidisciplinary Journal of Population Health and Health Policy

Volume 99, Issue 1 Pages: 1-327 March 2021

<https://onlinelibrary.wiley.com/toc/14680009/current>

[Reviewed earlier]

Nature

Volume 593 Issue 7857, 6 May 2021

<https://www.nature.com/nature/volumes/593/issues/7857>

Editorial | 04 May 2021

India, Brazil and the human cost of sidelining science

Governments that ignore or delay acting on scientific advice are missing out on a crucial opportunity to control the pandemic.

Last week, Brazil's total death toll from COVID-19 passed 400,000. In India, the pandemic is taking around 3,500 lives every day and has prompted a global response, with offers of oxygen, ventilators, intensive-care beds and more. Although these two countries are thousands of miles apart, the crises in both are the result of political failings: their leaders have either failed or been slow to act on researchers' advice. This has contributed to an unconscionable loss of life.

Brazil's biggest failing is that its president, Jair Bolsonaro, has consistently mischaracterized COVID-19 as a "little flu" and has refused to follow scientific advice in setting policy, such as enforcing mask-wearing and limiting contact between people.

India's leaders have not acted as decisively as was needed. They have, for example, allowed — and, in some cases, encouraged — large gatherings. Such a situation isn't new. As we saw during the administration of former US president Donald Trump, ignoring evidence of the need to maintain physical distancing to combat COVID-19 has catastrophic consequences. The United States has recorded more than 570,000 deaths from the disease — still the world's largest COVID-19 death toll in absolute terms.

As Nature reports in a World View article, India's leaders became complacent after daily COVID-19 cases peaked at nearly 96,000 in September before slowly declining— to around 12,000 at the beginning of March. During this time, businesses reopened. Large gatherings followed, including protests against controversial new farm laws that brought thousands of farmers to New Delhi's borders. Election rallies and religious gatherings also continued during March and April.

Data difficulties

And India has other problems. One is that it's not easy for scientists to access data for COVID-19 research. That, in turn, prevents them from providing accurate predictions and evidence-based advice to the government. Even in the absence of such data, researchers warned the government last September to be cautious about relaxing COVID-19 restrictions (Lancet 396, 867; 2020). And as late as the start of April, they warned that a second wave could see 100,000 COVID-19 cases a day by the end of the month.

On 29 April, more than 700 scientists wrote to Prime Minister Narendra Modi, asking for better access to data such as COVID-19 test results and clinical outcomes of patients in hospitals (see go.nature.com/3vc1svt), as well as a large-scale genome-surveillance programme to identify new

variants (see go.nature.com/3vd7fak). The following day, Krishnaswamy Vijayraghavan, the government's principal scientific adviser, acknowledged these concerns and clarified the ways in which researchers outside the government can access these data. This move has been welcomed by the letter's signatories, but they have told Nature that some aspects of data access remain unclear. A letter of protest shouldn't have been necessary in the first place. By identifying themselves, the signatories took a risk: in the past, the Modi government has not reacted well to researchers organizing to question its policies. Two years ago, a letter from more than 100 economists and statisticians urging an end to political interference in official statistics was not well received by officials. The letter was written after the resignations of senior officials from India's National Statistical Commission over what they saw as interference in the timing of the release of government data.

It's never good when research communities have a difficult relationship with their national governments. But this can be fatal in the middle of a pandemic — when decisions need to be swift and evidence-based. By sidelining their scientists, the governments of Brazil and India have missed out on a crucial opportunity to reduce the loss of life.

During a pandemic, we all need our governments to succeed. However, it's difficult to make good decisions quickly, more so with incomplete information — which is why health data need to be both accurate and accessible to researchers and clinicians. Denying or obscuring such access risks prolonging the pandemic.

Nature Biotechnology

Volume 39 Issue 4, April 2021

<https://www.nature.com/nbt/volumes/39/issues/4>

[Reviewed earlier]

Nature Communications

<https://www.nature.com/subjects/health-sciences/ncomms>

(Accessed 8 May 2021)

[No new digest content identified]

Nature Genetics

Volume 53 Issue 4, April 2021

<https://www.nature.com/ng/volumes/53/issues/4>

[Reviewed earlier]

Nature Human Behaviour

Volume 5 Issue 4, April 2021

<https://www.nature.com/nathumbehav/volumes/5/issues/4>

[Reviewed earlier]

Nature Medicine

Volume 27 Issue 4, April 2021

<https://www.nature.com/nm/volumes/27/issues/4>
[Reviewed earlier]

Nature Reviews Genetics

Volume 22 Issue 5, May 2021

<https://www.nature.com/nrg/volumes/22/issues/5>
[Reviewed earlier]

Nature Reviews Immunology

Volume 21 Issue 5, May 2021

<https://www.nature.com/nri/volumes/21/issues/5>
[New issue; No digest content identified]

Nature Reviews Drug Discovery

Volume 20 Issue 5, May 2021

<https://www.nature.com/nrd/volumes/20/issues/5>
Review Article | 01 March 2021

[Strategies for delivering therapeutics across the blood–brain barrier](#)

The blood–brain barrier is a perennial challenge for the delivery of therapeutics to the central nervous system. In their Review, Terstappen and colleagues discuss non-invasive approaches to brain delivery, particularly for biopharmaceuticals, some of which are now in clinical testing.

Georg C. Terstappen, Axel H. Meyer, Wandong Zhang

New England Journal of Medicine

May 6, 2021 Vol. 384 No. 18

<http://www.nejm.org/toc/nejm/medical-journal>
Perspective

[A Half-Century of Progress in Health: The National Academy of Medicine at 50: Understanding and Mitigating Health Inequities — Past, Current, and Future Direction.](#)

Risa J. Lavizzo-Mourey, M.D., M.B.A., Richard E. Besser, M.D., and David R. Williams, Ph.D., M.P.H.

Perspective Free Preview

[Designing an Independent Public Health Agency](#)

Jacqueline Salwa, B.A., and Christopher Robertson, J.D., Ph.D.

The Covid-19 pandemic has revealed the importance of having trustworthy and competent institutions to protect public health. Just as the United States has independent commissions in other important domains, it could benefit from an independent public health agency.

Perspective

[Mass-Vaccination Sites — An Essential Innovation to Curb the Covid-19 Pandemic](#)

Eric Goralnick, M.D., M.H.C.M., Christoph Kaufmann, Ph.D., M.B.A., and Atul A. Gawande, M.D., M.P.H.

Pediatrics

Vol. 147, Issue 5 8 May 2021
<https://pediatrics.aappublications.org/>
[Reviewed earlier]

PharmacoEconomics

Volume 39, issue 5, May 2021
<https://link.springer.com/journal/40273/volumes-and-issues/39-5>
[Reviewed earlier]

PLoS Genetics

<https://journals.plos.org/plosgenetics/>
(Accessed 8 May 2021)
[No new digest content identified]

PLoS Medicine

<http://www.plosmedicine.org/>
(Accessed 8 May 2021)
[No new digest content identified]

PLoS Neglected Tropical Diseases

<http://www.plosntds.org/>
(Accessed 8 May 2021)
[No new digest content identified]

PLoS One

<http://www.plosone.org/>
[Accessed 8 May 2021]
[Chinese consumers' willingness to get a COVID-19 vaccine and willingness to pay for it](#)
Wen Qin, Erpeng Wang, Zhengyu Ni
Research Article | published 04 May 2021 PLOS ONE
<https://doi.org/10.1371/journal.pone.0250112>

PLoS Pathogens

<http://journals.plos.org/plospathogens/>
[Accessed 8 May 2021]
[No new digest content identified]

PNAS - Proceedings of the National Academy of Sciences of the United States of America

April 27, 2021; vol. 118 no. 17
<https://www.pnas.org/content/118/17>

Commentaries

Understanding why we do what we do during a global pandemic

Sandro Galea

PNAS May 4, 2021 118 (18) e2104413118; <https://doi.org/10.1073/pnas.2104413118>

Prehospital & Disaster Medicine

Volume 36 - Issue 3 - June 2021

<https://www.cambridge.org/core/journals/prehospital-and-disaster-medicine/latest-issue>

[Reviewed earlier]

Preventive Medicine

Volume 146 May 2021

<https://www.sciencedirect.com/journal/preventive-medicine/vol/146/suppl/C>

[Reviewed earlier]

Proceedings of the Royal Society B

12 May 2021 Volume 288 Issue 1950

<https://royalsocietypublishing.org/toc/rspb/current>

[New issue; No digest content identified]

Public Health

Volume 193 Pages 1-156 (April 2021)

<https://www.sciencedirect.com/journal/public-health/vol/193/suppl/C>

Short communication Full text access

Vaccines for COVID-19: learning from ten phase II trials to inform clinical and public health vaccination programmes

Sunil S. Bhopal, Bayanne Olabi, Raj Bhopal

Public Health Ethics

Volume 13, Issue 3, November 2020

<http://phe.oxfordjournals.org/content/current>

[Reviewed earlier]

Public Health Reports

Volume 136 Issue 3, May 2021

<https://journals.sagepub.com/toc/phrg/136/3>

[New issue; No digest content identified]

Qualitative Health Research

Volume 31 Issue 6, May 2021

<http://qhr.sagepub.com/content/current>

[New issue; No digest content identified]

Research Ethics

Volume 17 Issue 2, April 2021

<http://journals.sagepub.com/toc/reab/current>

[Reviewed earlier]

Reproductive Health

<http://www.reproductive-health-journal.com/content>

[Accessed 8 May 2021]

[No new digest content identified]

Revista Panamericana de Salud Pública/Pan American Journal of Public Health (RPSP/PAJPH)

<https://www.paho.org/journal/en>

Selected Articles

[No new digest content identified]

Risk Analysis

Volume 41, Issue 4 Pages: 559-699 April 2021

<https://onlinelibrary.wiley.com/toc/15396924/current>

Special Issue: Risk Assessment, Economic Evaluation, and Decisions

[Reviewed earlier]

Risk Management and Healthcare Policy

<https://www.dovepress.com/risk-management-and-healthcare-policy-archive56>

[Accessed 8 May 2021]

[Reviewed earlier]

Science

07 May 2021 Vol 372, Issue 6542

<http://www.sciencemag.org/current.dtl>

[New issue; No digest content identified]

Science Translational Medicine

05 May 2021 Vol 13, Issue 592

<https://stm.sciencemag.org/>

[New issue; No digest content identified]

Social Science & Medicine

Volume 275 April 2021

<https://www.sciencedirect.com/journal/social-science-and-medicine/vol/275/suppl/C>

[Reviewed earlier]

Systematic Reviews

<https://systematicreviewsjournal.biomedcentral.com/articles>

[Accessed 8 May 2021]

[Repurposing existing medications for coronavirus disease 2019: protocol for a rapid and living systematic review](#)

Coronavirus disease 2019 (COVID-19) has no confirmed specific treatments. However, there might be in vitro and early clinical data as well as evidence from severe acute respiratory syndrome and Middle Eastern ...

Authors: Benjamin P. Geisler, Lara Zahabi, Adam Edward Lang, Naomi Eastwood, Elaine Tennant, Ljiljana Lukic, Elad Sharon, Hai-Hua Chuang, Chang-Berm Kang, Knakita Clayton-Johnson, Ahmed Aljaberi, Haining Yu, Chinh Bui, Tuan Le Mau, Wen-Cheng Li, Debbie Teodorescu...

Citation: Systematic Reviews 2021 10:143

Content type: Protocol

Published on: 7 May 2021

[A systematic literature review of attitudes towards secondary use and sharing of health administrative and clinical trial data: a focus on consent](#)

We aimed to synthesise data on issues related to stakeholder perceptions of consent for the use of secondary data. To better understand the current literature available, we conducted a systematic literature re...

Authors: Elizabeth Hutchings, Max Loomes, Phyllis Butow and Frances M. Boyle

Citation: Systematic Reviews 2021 10:132

Content type: Research

Published on: 4 May 2021

Theoretical Medicine and Bioethics

Volume 41, issue 5-6, December 2020

<https://link.springer.com/journal/11017/volumes-and-issues/41-5>

[Reviewed earlier]

Travel Medicine and Infectious Diseases

Volume 41 May–June 2021

<https://www.sciencedirect.com/journal/travel-medicine-and-infectious-disease/vol/41/suppl/C>

Review article Open access

[Comparison of equivalent fractional vaccine doses delivered by intradermal and intramuscular or subcutaneous routes: A systematic review](#)

Jenny L. Schnyder, Hannah M. Garcia Garrido, Cornelis A. De Pijper, Joost G. Daams, ... Martin P. Grobusch

Article 102007

Research article Full text access

Sustainable border control policy in the COVID-19 pandemic: A math modeling study

Zhen Zhu, Enzo Weber, Till Strohsal, Duaa Serhan

Article 102044

Research article Full text access

Cross-sectional analysis of COVID-19 vaccine intention, perceptions and hesitancy across Latin America and the Caribbean

Diego Urrunaga-Pastor, Guido Bendezu-Quispe, Percy Herrera-Añazco, Angela Uyen-Cateriano, ...

Vicente A. Benites-Zapata

Article 102059

Short communication Full text access

COVID-19 vaccination campaign in Nepal, emerging UK variant and futuristic vaccination strategies to combat the ongoing pandemic

Ranjit Sah, Asmita Priyadarshini Khatriwada, Sunil Shrestha, K.C. Bhuvan, ... Alfonso J. Rodriguez-Morales

Article 102037

Tropical Medicine & International Health

Volume 26, Issue 5 Pages: i-iv, 503-608 May 2021

<https://onlinelibrary.wiley.com/toc/13653156/current>

Systematic Review Open Access

Behavioural interventions to address rational use of antibiotics in outpatient settings of low-income and lower-middle-income countries

Mohit M. Nair, Raman Mahajan, Sakib Burza, Maurice P. Zeegers

Pages: 504-517

First Published: 16 January 2021

Vaccine

Volume 39, Issue 18 Pages 2479-2604 (28 April 2021)

<https://www.sciencedirect.com/journal/vaccine/vol/39/issue/18>

Conference info Full text access

Vaccines for a healthy future: 21st DCVMN Annual General Meeting 2020 report

Sonia Pagliusi, Benoit Hayman, Stephen Jarrett

Pages 2479-2488

Discussion Full text access

The development of COVID-19 vaccines in the United States: Why and how so fast?

Barbara J. Kuter, Paul A. Offit, Gregory A. Poland

Pages 2491-2495

Discussion Full text access

COVID-19 vaccine safety questions and answers for healthcare providers (CONSIDER)

Sonali Kochhar, Eve Dubé, Janice Graham, Youngmee Jee, ... Noni E. MacDonald

Pages 2504-2505

Research article Open access

[Strategy to identify priority groups for COVID-19 vaccination: A population based cohort study](#)

Antonio Giampiero Russo, Adriano Decarli, Maria Grazia Valsecchi
Pages 2517-2525

Research article Abstract only

[Modeling and presentation of vaccination coverage estimates using data from household surveys](#)

Tracy Qi Dong, Jon Wakefield
Pages 2584-2594

Research article Full text access

[Media usage predicts intention to be vaccinated against SARS-CoV-2 in the US and the UK](#)

Daniel Allington, Siobhan McAndrew, Vivienne Louisa Moxham-Hall, Bobby Duffy
Pages 2595-2603

Vaccines — Open Access Journal

<http://www.mdpi.com/journal/vaccines>

(Accessed 8 May 2021)

Open Access Article

[Health System Barriers and Facilitators to Delivering Additional Vaccines through the National Immunisation Programme in China: A Qualitative Study of Provider and Service-User Perspectives](#)

by Dan Gong, et al

Vaccines 2021, 9(5), 476; <https://doi.org/10.3390/vaccines9050476> (registering DOI) - 08 May 2021

Abstract

In China, there are two categories of vaccines available from the Chinese Center for Disease Control and associated public health agencies. Extended Program of Immunization (EPI) vaccines are government-funded and non-EPI vaccines are voluntary and paid for out-of-pocket. The government plans to transition [...]

Open Access Article

[A Comparison of the Level of Acceptance and Hesitancy towards the Influenza Vaccine and the Forthcoming COVID-19 Vaccine in the Medical Community](#)

by Magdalena Grochowska et al

Vaccines 2021, 9(5), 475; <https://doi.org/10.3390/vaccines9050475> (registering DOI) - 08 May 2021

Abstract

Despite research conducted worldwide, there is no treatment specifically targeting SARS-CoV-2 infection with efficacy proven by randomized controlled trials. A chance for a breakthrough is vaccinating most of the global population. Public opinion surveys on vaccine hesitancy prompted our team to investigate Polish [...]

Open Access Article

[Attitudes towards COVID-19 Vaccination among Hospital Staff—Understanding What Matters to Hesitant People](#)

by Anne Spinewine et al

Vaccines 2021, 9(5), 469; <https://doi.org/10.3390/vaccines9050469> - 06 May 2021

Abstract

Hospital staff are a priority target group in the European COVID-19 vaccination strategy. Measuring the extent of COVID-19 vaccination hesitancy and understanding the reasons behind it are essential to be able to tailor effective communication campaigns. Using the Health Belief Model (HBM) as [...]

Open Access Article

Hesitancy of Arab Healthcare Workers towards COVID-19 Vaccination: A Large-Scale Multinational Study

by Eyad Qunaibi et al

Vaccines 2021, 9(5), 446; <https://doi.org/10.3390/vaccines9050446> - 02 May 2021

Abstract

Background: Health care workers (HCWs) are at increased risk of acquiring and transmitting COVID-19 infection. Moreover, they present role models for communities with regards to attitudes towards COVID-19 vaccination. Hence, hesitancy of HCWs towards vaccination can crucially affect the efforts aiming to contain [...]

Value in Health

Volume 24 Issue 5 p605-752

<https://www.valueinhealthjournal.com/current>

[Reviewed earlier]

* * * *

Media/Policy Watch

This watch section is intended to alert readers to substantive news, analysis and opinion from the general media and selected think tanks and similar organizations on vaccines, immunization, global public health and related themes. *Media Watch* is not intended to be exhaustive, but indicative of themes and issues CVEP is actively tracking. This section will grow from an initial base of newspapers, magazines and blog sources, and is segregated from *Journal Watch* above which scans the peer-reviewed journal ecology.

We acknowledge the Western/Northern bias in this initial selection of titles and invite suggestions for expanded coverage. We are conservative in our outlook in adding news sources which largely report on primary content we are already covering above. Many electronic media sources have tiered, fee-based subscription models for access. We will provide full-text where content is published without restriction, but most publications require registration and some subscription level.

The sheer volume of vaccine and pandemic-related coverage is extraordinary. We will strive to present the most substantive analysis and commentary we encounter.

The Atlantic

<http://www.theatlantic.com/magazine/>

Accessed 8 May 2021

[No new, unique, relevant content]

BBC

<http://www.bbc.co.uk/>

Accessed 8 May 2021

Covid: Macron calls on US to drop vaccine export bans

8 May 2021

The Economist

<http://www.economist.com/>

Accessed 8 May 2021

Home brewing

Covid-19 has exposed Africa's dependence on vaccines from abroad

There is a big push to change this

Middle East & Africa May 8th 2021 edition

Paper tiger

India's national government looks increasingly hapless

Confronted with catastrophe, the state has melted away

May 8th 2021 edition

Daily chart

Global herd immunity is still out of reach

Vaccine hesitancy threatens the pandemic response

May 8th 2021 edition

Daily chart

Covid-19 vaccine donations have yet to take off

Less than one dose for every 100 of the world's people has been given away

Financial Times

<https://www.ft.com/>

Accessed 8 May 2021

News in-depth

Serum Institute of India

How the world's top vaccine maker struggled to meet the moment

Adar Poonawalla and Serum Institute have come under withering criticism as Covid ravages India

Stephanie Findlay in New Delhi and Benjamin Parkin in Bangalore

yesterday

...But four months on, Poonawalla is facing a reckoning as India staggers under a brutal second wave of infections. Despite warning that it would take until 2024 to inoculate the world, his company has been vilified over allegations of price gouging and its failure to meet its overseas vaccine demands. His decision to decamp to his London mansion before the UK barred flights from India was condemned across his home country.

The Serum Institute has also been hit by lawsuits from global governments for failing to meet contractual agreements for supplies, while Poonawalla said threats had been made against him. The Indian government has provided him with security guards.

Poonawalla was also blamed for just 2 per cent of India being fully vaccinated. But he has pointed out that the government had not placed enough orders ahead of the second wave. "I'm just the manufacturer," he told the Financial Times after claiming he had been "victimised" over the stuttering vaccine campaign. "I don't decide these policies."

He admitted though that he has had "to grow a thicker skin".

"History will have to judge the work that the company has done, and whether we have profited here, or whether we have served the nation," he said...

Interview

Melinda Gates: vaccines, inequality and caregiving

...But if you look at the current system, the AstraZeneca vaccine, we've been deeply involved in the tech transfer that happened to Serum Institute in India, they are pumping out millions of doses every month...

May 4, 2021

The FT View The editorial board

How to step up vaccine supplies to poorer countries

May 4, 2021

Forbes

<http://www.forbes.com/>

Accessed 8 May 2021

May 7, 2021

Patent Waivers Won't Impact Big Pharma's Bottom Line—But Could Slow Covid Vaccine Rollouts

Analysts say intellectual property waivers won't affect vaccine makers Moderna, Pfizer or Novavax—but could paradoxically risk slowing down vaccine production.

By [Alex Knapp](#) Forbes Staff

May 6, 2021

May U.S. Travel Restrictions By State: Vaccinations, Quarantine, Covid-19 Test Requirements

The state-by-state picture of U.S. travel restrictions, quarantine and Covid-19 testing requirements for May 2021 shows a country increasingly vaccinated, optimistic and on the move.

By [Alex Ledsom](#) Senior Contributor

Foreign Affairs

<http://www.foreignaffairs.com/>

Accessed 8 May 2021

[No new, unique, relevant content]

Foreign Policy

<http://foreignpolicy.com/>

Accessed 8 May 2021

Voice

Stopping Drug Patents Has Stopped Pandemics Before

Loosening property rules over coronavirus vaccines is likely to accelerate—not stifle—the pharmaceutical industry’s creativity.

_| Laurie Garrett May 7, 2021, 12:00 PM

New Yorker

<http://www.newyorker.com/>

Accessed 8 May 2021

Medical Dispatch

Inside India’s COVID-19 Surge

At a hospital in New Delhi, supplies and space are running out, but the patients keep coming.

By Dhruv Khullar

May 4, 2021

New York Times

<http://www.nytimes.com/>

Accessed 8 May 2021

World

India and Its Vaccine Maker Stumble Over Their Pandemic Promises

The Serum Institute vowed to protect the country from Covid-19 and inoculate the world’s poor, but India’s crisis has pushed it past its limits.

By Emily Schmall and Karan Deep Singh May 7

World

Baltimore Vaccine Plant’s Troubles Ripple Across 3 Continents

Millions of doses of Johnson & Johnson’s Covid-19 vaccine produced by Emergent BioSolutions have been held back in Europe, South Africa and Canada as a precaution.

By Chris Hamby, Sharon LaFraniere and Sheryl Gay Stolberg May 6

Washington Post

<https://www.washingtonpost.com/>

Accessed 8 May 2021

[No new, unique, relevant content]

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Think Tanks et al

Brookings

<http://www.brookings.edu/>

Accessed 8 May 2021

Future Development

How AI-powered poverty maps can increase equity in the COVID-19 response

Laura McGorman, Guanghua Chi, and Han Fang

Friday, May 7, 2021

Future Development

[How big of a vaccine surplus will the US have?](#)

Simon J. Evenett

Tuesday, May 4, 2021

Center for Global Development [to 8 May 2021]

<http://www.cgdev.org/page/press-center>

May 7, 2021

[IP and COVID-19 Vaccines: Unpacking a Fraught Debate](#)

The United States made waves earlier this week when it backed a request—originally proposed by South Africa and India, and now supported by over 100 countries—to temporarily waive international intellectual property (IP) protections on COVID-19 vaccines and other health technologies

Rachel Silverman

[Time to Create the President's Emergency Plan for Pandemic Preparedness and Response \(PEPPPR\)](#)

May 5, 2021

In 2003, an estimated 3 million people died of HIV/AIDS globally. In May of that year, galvanized by the growing number of preventable deaths given the availability of an effective medicine, the President's Emergency Plan for AIDS Relief—PEPFAR—was signed into law.

Amanda Glassman

[Expanding Vaccine Access and Humanitarian Financing Should Be Urgent Objectives for the World Bank and IMF](#)

May 4, 2021

Shortly before the Spring Meetings of the World Bank and the International Monetary Fund, we set out how they could be a turning point in addressing the consequences of the pandemic.

Masood Ahmed and Mark Lowcock

[How Biden Can End "Vaccine Apartheid"](#)

May 3, 2021

Building on spectacular scientific achievements, the rich world's vaccine response to the pandemic within its borders has been (with notable exceptions) commendable. But the response of the international community has been mystifyingly myopic and unconscionably delinquent. We're headed toward global "vaccine apartheid." Visibly leading the charge to vaccinate the world, with significant political and financial commitments, offers the US the chance to regain considerable soft power.

Justin Sandefur and Arvind Subramanian

Chatham House [to 8 May 2021]

<https://www.chathamhouse.org/>

Accessed 8 May 2021

[No new digest content]

CSIS

<https://www.csis.org/>

Accessed 8 May 2021

Upcoming Event

Building Resilience: Primary Health Care and Immunizations in the Covid-19 Context

May 18, 2021

Upcoming Event

Preventing the Next Pandemic: A Conversation with Peter J. Hotez

May 12, 2021

Report

Why Vaccine Confidence Matters to National Security

May 7, 2021 | By Katherine E. Bliss, J. Stephen Morrison, Heidi J. Larson

Commentary

International Financial Institutions' Covid-19 Approvals through Q1 2021 Surpass \$260 Billion

May 4, 2021 | By Stephanie Segal, Dylan Gerstel

Kaiser Family Foundation

https://www.kff.org/search/?post_type=press-release

Accessed 8 May 2021

May 6, 2021 *News Release*

Vaccine Monitor: Eagerness to Get Vaccinated Begins to Level Off as Most People Who Want a Vaccine Have Gotten One; But Republicans Show Biggest Shift Toward Vaccination

Parents' Eagerness for Their Children to Get Vaccinated Mirrors Their Own Intentions, with 3 in 10 Ready to Vaccinate Their Children as Soon as It's Available Most adults (56%) nationally say they have gotten at least one dose of a COVID-19 vaccine, and few (9%) say they haven't but want...

May 4, 2021 *News Release*

Which States are Hitting the COVID-19 Vaccine Tipping Point?

As of April 19, COVID-19 vaccine eligibility opened up to adults in all states, leaving many to wonder when supply will surpass vaccine demand. A recent brief examined when COVID-19 vaccine supply might outstrip demand in the U.S. nationally, estimating that the U.S. will reach this point within a few...

Rand [to 8 May 2021]

<https://www.rand.org/pubs.html>

Selected Research Reports, Featured Journal Articles

Research Brief

Promising Practices from Law Enforcement's COVID-19 Response: Protecting the Public

This brief highlights the challenges that the coronavirus disease 2019 pandemic posed for law enforcement agencies, how they adapted to those challenges, and a discussion of which adaptations might hold promise after the pandemic.

Apr 30, 2021

Brian A. Jackson, Michael J. D. Vermeer, Dulani Woods, Duren Banks, Sean E. Goodison, Joe Russo, Jeremy D. Barnum, Camille Gourdet, Lynn Langton, Michael G. Planty, Shoshana R. Shelton, Siara I. Sitar, Amanda R. Witwer

Research Brief

Promising Practices from the Institutional Corrections System's COVID-19 Response: Managing Safety and Security on the Inside

This brief highlights the challenges the COVID-19 pandemic created, shows how corrections agencies adapted to the challenges, describes which adaptations may hold promise, and provides evaluations to demonstrate the efficacy of such adaptations.

Apr 30, 2021

Brian A. Jackson, Michael J. D. Vermeer, Dulani Woods, Duren Banks, Sean E. Goodison, Joe Russo, Jeremy D. Barnum, Camille Gourdet, Lynn Langton, Michael G. Planty, Shoshana R. Shelton, Siara I. Sitar, Amanda R. Witwer

Report

Messaging Strategies for Mitigating COVID-19 Through Vaccination and Nonpharmaceutical Interventions

This Perspective addresses matching the message, the audience, and the sender in encouraging people to get a COVID-19 vaccine and discusses how to deal with misinformation.

Apr 30, 2021

Luke J. Matthews, Andrew M. Parker, Monique Martineau, Courtney A. Gidengil, Christine Chen, Jeanne S. Ringel

Report

Detecting Conspiracy Theories on Social Media: Improving Machine Learning to Detect and Understand Online Conspiracy Theories

Using linguistic and rhetorical theory, researchers developed an improved model of machine-learning technology to detect conspiracy theory language. This report describes the results and suggests ways to counter effects of online conspiracy theories.

Apr 29, 2021

William Marcellino, Todd C. Helmus, Joshua Kerrigan, Hilary Reininger, Rouslan I. Karimov, Rebecca Ann Lawrence

Superspreaders of Malign and Subversive Information on COVID-19: Russian and Chinese Efforts Targeting the United States

This report, part of the Truth Decay initiative, is one in a series describing malign and subversive information efforts related to the coronavirus disease 2019 (COVID-19) that Russian and Chinese outlets appear to have used to target U.S. audiences.

Apr 29, 2021

Miriam Matthews, Katya Migacheva, Ryan Andrew Brown

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Support is also provided by a growing list of individuals who use this membership service to support their roles in public health, clinical practice, government, NGOs and other international institutions, academia and research organizations, and industry.

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