Vaccines and Global Health: The Week in Review
15 July 2023 :: Issue 711
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 at https://centerforvaccineethicsandpolicy.net. This blog allows full text searching of over 27,000 entries.

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Contents [click to move among sections]
:: Organization Announcements
:: Journal Watch
:: Pre-Print Servers
Milestones, Perspectives

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Avian Influenza

**Ongoing avian influenza outbreaks in animals pose risk to humans**

*Situation analysis and advice to countries from FAO, WHO, WOAH*

12 July 2023

Statement Geneva/Paris/Rome

The current outbreaks of avian influenza (also called “bird flu”) have caused devastation in animal populations, including poultry, wild birds, and some mammals, and harmed farmers’ livelihoods and the food trade. Although largely affecting animals, these outbreaks pose ongoing risks to humans.

The Food and Agriculture Organization of the United Nations (FAO), the World Health Organization (WHO), and the World Organisation for Animal Health (WOAH) are urging countries to work together across sectors to save as many animals as possible and to protect people.

Avian influenza viruses normally spread among birds, but the increasing number of H5N1 avian influenza detections among mammals—which are biologically closer to humans than birds are—raises concern that the virus might adapt to infect humans more easily. In addition, some mammals may act as mixing vessels for influenza viruses, leading to the emergence of new viruses that could be more harmful to animals and humans.

The goose/Guangdong-lineage of H5N1 avian influenza viruses first emerged in 1996 and have been causing outbreaks in birds since then. Since 2020, a variant of these viruses belonging to the H5 clade 2.3.4.4b has led to an unprecedented number of deaths in wild birds and poultry in many countries in Africa, Asia and Europe. In 2021, the virus spread to North America, and in 2022, to Central and South America.

In 2022, 67 countries in five continents reported H5N1 high pathogenicity avian influenza outbreaks in poultry and wild birds to WOAH, with more than 131 million domestic poultry lost due to death or culling in affected farms and villages. In 2023, another 14 countries reported outbreaks, mainly in the Americas, as the disease continues to spread. Several mass death events have been reported in wild birds, caused by influenza A(H5N1) clade 2.3.4.4b viruses.

**Monitoring the recent surge in outbreaks among mammals**

Recently, there have been increasing reports of deadly outbreaks among mammals also caused by influenza A(H5)—including influenza A(H5N1)—viruses. 10 countries across three continents have reported outbreaks in mammals to WOAH since 2022. There are likely to be more countries where outbreaks have not yet been detected or reported. Both land and sea mammals have been affected, including outbreaks in farmed mink in Spain, seals in the United States of America, and sea lions in Peru and Chile, with at least 26 species known to have been affected. H5N1 viruses have also been detected in domestic animals such as cats and dogs in several countries, with recent detections of H5N1 in cats announced by authorities in Poland.
“There is a recent paradigm change in the ecology and epidemiology of avian influenza which has heightened global concern as the disease spread to new geographical regions and caused unusual wild bird die-offs, and alarming rise in mammalian cases,” said Dr Gregorio Torres, Head of the Science Department at WOAH.

**Assessing the risk to humans**
Sporadic influenza A(H5N1) clade 2.3.4.4b virus detections in humans have also been reported, but remain very rare, with 8 cases reported since December 2021. Infections in humans can cause severe disease with a high mortality rate. The human cases detected thus far are mostly linked to close contact with infected birds and contaminated environments.

"With the information available so far, the virus does not appear to be able to transmit from one person to another easily, but vigilance is needed to identify any evolution in the virus that can change that,” said Dr Sylvie Briand, Director of Epidemic and Pandemic Preparedness and Prevention, WHO. "WHO is working closely with FAO and WOAH, and laboratory networks to monitor the evolution of these viruses, looking for signals of any change that could be more dangerous to humans. We encourage all countries to increase their ability to monitor these viruses and to detect any human cases. This is especially important as the virus is now affecting countries with limited prior experience in avian flu surveillance."

Studies are underway to identify any changes in the virus that may help the virus to spread more easily among mammals, including humans. “The epidemiology of H5N1 continues to rapidly evolve,” said Keith Sumption, Chief Veterinary Officer, FAO. "FAO brings attention to the need for vigilance and timely sharing of genetic sequences to monitor the molecular epidemiology for risk assessment and better disease control."

**Curbing the spread of avian influenza**
Given the unprecedented spread of the A(H5N1) avian influenza virus among birds and mammals, and the potential risk to human health, the tripartite partners—FAO, WHO and WOAH—urge countries to take the following actions:

- **Prevent avian influenza at its source**, mainly through enhanced biosecurity measures in farms and in poultry value chains, and apply good hygiene practices. WOAH members, in consultation with the poultry sector, may consider the vaccination of poultry as a complementary disease control tool based on sound surveillance and taking into account local factors such as circulating virus strains, risk assessment and vaccination implementation conditions.
- **Rapidly detect, report and respond to animal outbreaks** as the first line of defence. When an infection is detected in animals, countries are encouraged to implement control strategies as described in WOAH standards.
- **Strengthen influenza surveillance in animals and humans**. To allow for early response, risk-based surveillance in animals should be enhanced before and during high-risk periods. Animal cases of avian influenza should be reported to WOAH in a timely manner. Genetic sequencing should be conducted periodically to detect any changes in the viruses already present in the area or the introduction of new viruses. In humans, the following should be prioritized: (i) surveillance for severe acute respiratory infections and influenza-like illnesses, (ii) careful review of any unusual epidemiological patterns, (iii) reporting of human infections under the International Health
Regulations, and (iv) sharing of influenza viruses with WHO Global Influenza Surveillance and Response System (GISRS) Collaborating Centres for Reference and Research on Influenza.

- **Conduct epidemiological and virological investigations around animal outbreaks and human infections.** Surveillance should be enhanced to rapidly detect and investigate further suspected animal and human cases.

- **Share the genetic sequence data** of viruses from humans, animals or their environments in publicly accessible databases rapidly, even before peer-reviewed publication.

- **Encourage collaboration between the animal and human health sectors,** especially in the areas of information sharing, joint risk assessment and response.

- **Communicate the risk.** Alert and train healthcare workers and occupationally-exposed persons on ways to protect themselves. The general public as well as animal workers should be advised to avoid contact with sick and dead animals, and to report these to animal health authorities. They should also be advised to seek medical care if unwell and to report any exposure to animals to their healthcare provider.

- **Ensure influenza pandemic preparedness at all levels.**

FAO, WHO and WOAH have been convening experts to review the situation, monitoring the rapidly evolving nature of the virus, and updating recommendations for curbing its spread, in addition to working with countries in preparedness and response, and facilitating collaboration across countries and sectors. The spread of the virus to five continents speaks to the need for global cooperation and alertness to protect animals, people and economies.

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**“Pandemic Accord”**

**Sixth meeting of the Intergovernmental Negotiating Body (INB) for a WHO instrument on pandemic prevention, preparedness and response**

17 – 21 July 2023

Webcast of the sixth meeting of the INB: 17–21 July 2023/09:00–12:00 and 14:00–17:00 CET, Geneva, Switzerland

In December 2021, the World Health Assembly established an Intergovernmental Negotiating Body (INB) to draft and negotiate a convention, agreement or other international instrument under the Constitution of the World Health Organization to strengthen pandemic prevention, preparedness and response (WHO CA+).

The sixth meeting of the INB and continuation of drafting group meetings will be held from 17–21 July 2023. The sixth meeting will continue with the consideration of the Bureau’s text of the WHO CA+. It is also anticipated that the INB will discuss the progress from the informal intersessional meetings of the drafting group, which have been focused on Articles 9 (Research and Development), 12 (Access and Benefit Sharing) and 13 (Supply chain and logistics) of the Bureau’s text.

The opening and closing plenary sessions of the meeting will be open to WHO Member States, Associate Members and regional economic integration organizations, as well all relevant stakeholders, and they will be publicly webcast. As decided by Member States, the drafting group will be held, with
attendance limited to: WHO Member States, Associate Members, regional economic integration organizations, and the observer delegations of the Holy See and Palestine.

The plenaries of the INB6 meeting will be webcast and archived for later viewing. A procedural report will be discussed in the morning of 21 July in a plenary meeting, and subsequently posted on the governing bodies section of the WHO website.

The INB and the Working Group on Amendments to the International Health Regulations (2005) will also hold a joint plenary meeting on Friday 21 July, from 14:00–17:00, and Monday 24 July, from 9:00–12:00, to move further towards coherence and complementarity between the two instruments.

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**PHEIC**

**Polio**

**Polio this week as of 12 July 2023 - GPEI**

*Headlines*

:: The Independent Monitoring Board (IMB) is convening this week in Geneva, Switzerland, as part of its rigorous independent review of progress towards the Goals of the GPEI strategy 2022-2026. The meeting will enable the IMB to engage with high-level representatives from polio-affected countries and GPEI partners. The GPEI submitted a summary of key data to the IMB, to help its review and deliberations, looking at both Goal 1 and Goal 2 of the Polio Eradication Strategy 2022-2026. More specifically, this data provides an in-depth look at each of the most consequential geographies. As a group of experts independent of the GPEI, the IMB is uniquely placed to help identify the gaps and programmatic ‘blind spots,’ and identify where corrective actions might be required. The outcomes of the IMB’s review is scheduled to be published the week of 21 August and will be fully evaluated by the GPEI Polio Oversight Board at a face-to-face meeting in October.

:: Africa’s polio certification commission calls for urgent action to bolster vaccination: Convening in Kinshasa, Democratic Republic of Congo, on 3-7 July, the Africa Regional Certification Commission (ARCC) urged countries and health partners to urgently address gaps in polio immunity to avert outbreaks. The meeting gathered representatives of national and provincial health authorities from polio-affected countries. Reviewing the regional polio epidemiology, the ARCC commended health authorities for their leadership in responding to ongoing polio outbreaks, but urged for collective and strengthened action to boost overall immunity levels across the region. Read more...

*Summary of new polioviruses this week:*

- Pakistan: one WPV1 positive environmental sample
- Benin: two cVDPV2 cases
- Central African Republic: three cVDPV2 cases and one positive environmental sample
- Kenya: two cVDPV2 cases
- Madagascar: 19 cVDPV1 positive environmental samples
- Niger: one cVDPV2 case
Coronavirus [COVID-19]
https://www.who.int/emergencies/diseases/novel-coronavirus-2019

**WHO Weekly Epidemiological and Operational updates**
*Last update: 05 July 2023*

**Confirmed cases**: 767,972,961  
**Confirmed deaths**: 6,950,655  
**Vaccine doses administered**: 13,474,185,140

**Weekly epidemiological update on COVID-19 - 13 July 2023**
*Overview*
Globally, over 794,000 new COVID-19 cases and over 4,800 deaths were reported in the last 28 days (12 June to 9 July 2023). While five WHO regions have reported decreases in the number of both cases and deaths, the African Region has reported a decline in cases but an increase in deaths – albeit from a relatively low baseline. As of 9 July 2023, over 767 million confirmed cases and over 6.9 million deaths have been reported globally. Reported cases are not an accurate representation of infection rates due to the reduction in testing and reporting globally. During this 28-day period, 57% (133 of 234) of countries and territories reported at least one case – a proportion that has been declining since mid-2022.

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**Our World in Data**

**Coronavirus (COVID-19) Vaccinations** [Accessed 15 Jul 2023]
- 70.3% of the world population has received at least one dose of a COVID-19 vaccine.  
- 13.48 billion doses have been administered globally, and 61,270 are now administered each day.  
- 32.2% of people in low-income countries have received at least one dose.

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**MPOX**
https://www.who.int/emergencies/situation-reports

**Multi-country outbreak of mpox, External situation report #26 – 14 July 2023**
*Highlights*
- Since the last situation report published on 24 June 2023, and as of 11 July, 316 new confirmed mpox cases and two new deaths have been reported to WHO.  
- Virus transmission continues at a low level in the majority of countries reporting cases, and the main epidemiological and clinical characteristics of cases have remained stable over time. Seventeen of the 112 affected countries have reported new cases within the last 21 days.  
- A significant increase in cases has been observed in the South-East Asia Region, driven by sustained community transmission in Thailand.  
- This report includes a summary of the WHO global strategy for the elimination of human-to-human transmission of mpox.  
- The report also includes a situation update on mpox in the Democratic Republic of the Congo.
The next WHO mpox situation report will be published in the second week of August.

UN OCHA – Current Emergencies
Current Corporate Emergencies
Afghanistan
Editor's Note:
We observe that OCHA has removed Afghanistan from its listing of “Current Emergencies.” We did not identify any explanation for its removal.

Northern Ethiopia
No new digest content identified.

Somalia
No new digest content identified.

Türkiye/Syria Earthquakes
14 Jul 2023
Today's top news: Sudan, Syria

Ukraine
Highlights Last Updated: 26 May 2023

WHO & Regional Offices [to 15 Jul 2023]
https://www.who.int/news
Selected News/Announcements/Statements
14 July 2023  Departmental news
Realising the next PIP Partnership Contribution High-Level Implementation Plan (HLIP) for 2024-2030

14 July 2023  Departmental news
Recognition of Bhutan’s National Reference Laboratory as a National Influenza Centre in the WHO Global Influenza Surveillance and Response System.

14 July 2023  Departmental news
Welcoming a new era for respiratory pathogen pandemic preparedness in the Western Balkans and the Republic of Moldova

14 July 2023  Departmental news
Improving influenza data quality in Timor-Leste through training workshop

14 July 2023  Departmental news
Enhancing GISRS respiratory disease surveillance in the Americas through genetic characterization training

14 July 2023  Departmental news

Mongolia reviews lessons learned to be better prepared for the next pandemic

14 July 2023  Departmental news

Second update of information note on integrated health, trade, IP response to COVID-19 launched

13 July 2023  Departmental news

Recent HIV RDT market landscape report aims for healthier, more sustainable markets

12 July 2023  Statement

Ongoing avian influenza outbreaks in animals pose risk to humans

12 July 2023  Joint News Release

122 million more people pushed into hunger since 2019 due to multiple crises, reveals UN report

11 July 2023  Departmental news

Leadership in Emergencies learning journey completed by new AFRO cohort

10 July 2023  Departmental news

WHO Director-General discusses priorities on traditional, complementary and integrative healthcare with civil society

10 July 2023  Departmental news

Announcing the Release Candidate of DORIS tool

10 July 2023  Departmental news

WHO launches new platform featuring digital resources on ending TB

9 July 2023  Departmental news

Public health and emergency workforce roadmap steering committee endorses tools, commits to action in Rome

26 June 2023  Departmental news

Message by the Director of the Department of Immunization, Vaccines and Biologicals at WHO - June 2023

... The upcoming release of the WHO/UNICEF estimates of 2022 national immunization coverage (WUENIC 2023) on 18 July 2023, will be critical to provide the requisite assessments, data and strategies to member states and health partners in ongoing efforts of the Big Catch-up so as to ensure all children and adolescents receive lifesaving vaccinations despite the long-standing and new challenges...

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WHO Regional Offices
Selected Press Releases, Announcements

WHO African Region
No new digest content identified.

WHO Region of the Americas PAHO
:: **PAHO and national regulatory authorities of regional reference seek to strengthen regulation of medical products in the Americas**
   Washington, DC, 11 July 2023 (PAHO/WHO)- The development of a joint action plan to address gaps in strengthening regulatory systems for technologies, medicines and vaccines in the Americas is one of the primary objectives of the Meeting of the National Regulatory Authorities of Regional Reference (NRAr), taking place this week in Washington, DC....
:: **PAHO convenes health and foreign affairs authorities for second meeting on future pandemic agreement**
   Washington, DC, 10 July 2023 (PAHO)- The Pan American Health Organization (PAHO) is bringing together authorities from its 35 Member States in the U.S. capital this week to discuss the key components and implications on the Region of the future pandemic instrument, as well as the proposed amendments to the International Health Regulations (IHR-...}

WHO South-East Asia Region SEARO
No new digest content identified.

WHO European Region EURO
:: 13 July 2023  News release
   **Bringing mpox vaccination, health advice and care closer to people living with HIV in France: spotlight on the work of AIDES**
:: 13 July 2023  News release
   **European Union and WHO join forces to further strengthen medical evacuation operations in Ukraine**
:: 12 July 2023  Media release
   **Widening inequities, declining trust – they are inextricably linked, with significant impacts on health, finds new WHO/Europe report**

WHO Western Pacific Region
:: 10 July 2023
   **Viet Nam’s big catch-up – protecting children through routine immunization in the Central...**

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Disease Outbreak News (DONs)
Latest WHO Disease Outbreak News (DONs), providing information on confirmed acute public health events or potential events of concern.
No new outbreaks announced..

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New WHO Publications
Overview

For over 50 years, the UNDP-UNFPA-UNICEF-WHO-World Bank Special Programme of Research, Development and Research Training in Human Reproduction (HRP) has been providing leadership on sexual and reproductive health and rights (SRHR).

Working collaboratively with partners across the world, HRP shapes global thinking on SRHR. We conduct large-scale, high-impact research, inform WHO norms and standards, support research capacity-strengthening in low- and middle-income settings, and facilitate the development and uptake of new information and innovations – including clinical and behavioural interventions, digital technologies, and new medicines and devices. An ethical, human rights-based approach that aims to strengthen gender equality and dismantle structural inequities is integrated throughout our work. HRP shares the WHO vision of the right of every single person across the globe to attain the highest possible standard of sexual and reproductive health. We strive for a world where human rights that enable sexual and reproductive health are safeguarded, and where all people have access to quality and affordable sexual and reproductive health information and services.

USA – HHS, FDA, CDC

HHS
News
CMS Administrator Brooks-LaSure Letter to Payors Regarding Coverage of COVID-19 Vaccines Post Commercialization
July 13, 2023  News Release

CDC to Launch “Bridge Access Program” in Fall 2023 to Provide Free COVID-19 Vaccines and Treatments to Uninsured and Underinsured Adults
July 13, 2023  News Release

To help ensure that millions of uninsured and underinsured American adults continue to have access to no-cost COVID-19 vaccinations, the Centers for Disease Control and Prevention (CDC) is launching the Bridge Access Program for COVID-19 Vaccines this fall.

There are an estimated 25-30 million adults without insurance in the U.S., and there are additional adults whose insurance will not provide free coverage for COVID-19 vaccines after these products transition to the commercial market for procurement, distribution, and pricing, later this fall. The pandemic highlighted longstanding barriers to adult vaccination, including lack of accessibility, lack of availability, and lack of confidence. Under the management and oversight of CDC, the Bridge Access Program – for a limited time – will allow adults who are uninsured or underinsured to receive free COVID-19 vaccinations.
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**Letter to COVID-19 Vaccine Manufacturers**
July 13, 2023  *News Release*

... We also expect that vaccine manufacturers planning to offer updated COVID-19 vaccines are preparing an ample supply of doses for the 2023-2024 COVID-19 vaccination campaign that is sufficient to support wide and timely access to the vaccine. Further, we expect that vaccine manufacturers will remain ready to support potential surges in demand and evolving circumstances of COVID-19. **Manufacturers are advised that they should plan the updated COVID-19 vaccine supply and regulatory submissions so that the Food and Drug Administration (FDA) can take regulatory action and the Centers for Disease Control and Prevention (CDC) can make recommendations on vaccination by the latter part of September...**

**FDA**
*Press Announcements*

*No new digest content identified.*

**FDA VRBPAC**
*Advisory Committee Calendar*

*No new meetings identified.*

**CDC/ACIP [U.S.] [to 15 Jul 2023]**
[http://www.cdc.gov/media/index.html](http://www.cdc.gov/media/index.html)

*Latest News Releases*

**CDC to Launch “Bridge Access Program” in Fall 2023 to Provide Free COVID-19 Vaccines to Uninsured and Underinsured Adults**
July 13, 2023

To help ensure that millions of uninsured and underinsured American adults continue to have access to no-cost COVID-19 vaccinations, the Centers for Disease Control and Prevention (CDC) is launching the Bridge Access Program for COVID-19...

**ACIP Meetings**
*Next ACIP Meeting:* October 25-27

**MMWR Weekly**
[https://www.cdc.gov/mmwr/index2023.html](https://www.cdc.gov/mmwr/index2023.html)

*July 14, 2023 / No. 28*
- Updated Operational Guidance for Implementing CDC’s Recommendations on Testing for Hepatitis C Virus Infection
- Notes from the Field: Multipathogen Respiratory Virus Testing Among Primary and Secondary School Students and Staff Members in a Large Metropolitan School District — Missouri, November 2, 2022– April 19, 2023

Europe

European Medicines Agency [EMA]  

News & Press Releases
No new digest content identified.

European Centre for Disease Prevention and Control  
https://www.ecdc.europa.eu/en

News/Updates/Reports [Selected]  
Weekly COVID-19 country overview  
Epidemiological update - 13 Jul 2023

SARS-CoV-2 variant mutations conferring reduced susceptibility to antiviral drugs and monoclonal antibodies: a non-systematic literature review for surveillance purposes  
Literature review  
12 Jul 2023

Antiviral drugs and monoclonal antibodies (mAbs), administered either separately or as combination therapy 'cocktails', have provided a valuable tool for fighting COVID-19. Surveillance data, coupled with data on antiviral treatment susceptibility, can guide clinical decisions on selecting the best therapy for the patient.

Africa CDC [to 15 Jul 2023]  
http://www.africacdc.org/

News  
11th Ordinary Meeting of the Governing Board of Africa CDC Marks Milestone Achievements and Leadership Transition  
14 July 2023

Press Releases  
Empowering African Public Health: Africa CDC Launches Restructured Advisory and Technical Council to Strengthen Continent-wide Disease Control
This transformation represents a shift towards stronger leadership and ownership by Member States, their Heads of State, and governments. It strengthens Africa CDC’s leadership and governance structure as part of broader efforts to reinforce continental mechanisms through strategic institution-building...

Africa CDC News

Africa CDC joins African Union Organs in the Signing of the 4D Pact: A New Strategy for Speeding Up Agenda 2063

10 July 2023

No new digest content identified.

China CDC

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

National Health Commission of the People's Republic of China [to 15 Jul 2023]
http://en.nhc.gov.cn/
News
No new digest content identified.

National Medical Products Administration – PRC [to 15 Jul 2023]
http://english.nmpa.gov.cn/
News
Outbreak wave of COVID-19 declared to have peaked
2023-07-10
The Chinese mainland has passed the peak of the COVID-19 wave that started climbing in April, according to data released by the Chinese Center for Disease Control and Prevention and healthcare experts.

China CDC Weekly Reports: Current Volume (5)
2023-07-14 / No. 28
View PDF of this issue
Perspectives: Sustainable Laboratory Capacity Building in Sierra Leone: From Ebola to COVID-19

Organization Announcements

Paul G. Allen Frontiers Group [to 15 Jul 2023]
https://alleninstitute.org/news-press/
News
New OpenScope projects aim to shed light on how we process our visual world
OpenScope is a shared neuroscience platform modeled after astronomy’s shared observatories

**BMGF - Gates Foundation** [to 15 Jul 2023]
https://www.gatesfoundation.org/ideas/media-center
*Press Releases and Statements*
No new digest content identified.

**Bill & Melinda Gates Medical Research Institute** [to 15 Jul 2023]
https://www.gatesmri.org/news
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
*News: Articles and Publications*
No new digest content identified.

**CARB-X** [to 15 Jul 2023]
https://carb-x.org/
*News*
No new digest content identified.

**Center for Vaccine Ethics and Policy – GE2P2 Global Foundation** [to 15 Jul 2023]
https://centerforvaccineethicsandpolicy.net/
*News/Analysis/Publications-Digests/Statements*
:: Vaccines and Global Health: The Week in Review - Current edition
:: Genomic Medicine – Governance, Ethics, Policy, Practice: A Monthly Digest – June 2023
:: Public Consultations Watch :: Global Calls for Input/Public Comment/15 Jun 2023 – Issue 04

**CEPI – Coalition for Epidemic Preparedness Innovations** [to 15 Jul 2023]
http://cepi.net/
*Latest News*
No new digest content identified.

**CIOMS – COUNCIL FOR INTERNATIONAL ORGANIZATIONS OF MEDICAL SCIENCES** [to 15 Jul 2023]
https://cioms.ch/
*News; Publications; Events*
**Benefit-risk balance for medicinal products**
CIOMS Working Group VII report draft, 12 June 2023
The WG will build on previous considerations established by CIOMS WG IV, incorporating the latest thinking in quantitative and qualitative approaches to the evaluation of benefit-risk (B-R), as well as assimilating visual presentations of benefits and risks to improve transparency and understanding amongst key stakeholders, including patients. The perspective of healthcare professionals and patients will be considered based on other ongoing initiatives as well as new guidelines from regulatory authorities and public-private partnerships.

DARPA – Defense Advanced Research Projects Agency [U.S.] [to 15 Jul 2023]
https://www.darpa.mil/news
News
No new digest content identified.

Duke Global Health Innovation Center [to 15 Jul 2023]
https://dukeghic.org/
Report
No new digest content identified.

EDCTP [to 15 Jul 2023]
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
No new digest content identified.

Emory Vaccine Center [to 15 Jul 2023]
http://www.vaccines.emory.edu/
Vaccine Center News
No new digest content identified.

European Vaccine Initiative [to 15 Jul 2023]
http://www.euvaccine.eu/
Latest News, Events
No new digest content identified.

Evidence Aid [to 15 Jul 2023]
Evidence Aid aims to save lives and livelihoods in disasters by providing decision-makers with the best available evidence and by championing its use.
http://www.evidenceaid.org/
Resources [Selected]
**Impact of disasters caused by natural hazards on the health of women in south and southeast Asia**
Added July 15, 2023

**Rapid needs assessments in disasters caused by natural hazards**
Added July 14, 2023

**Fondation Merieux** [to 15 Jul 2023]
http://www.fondation-merieux.org/
News, Events
No new digest content identified.

**Gavi** [to 15 Jul 2023]
https://www.gavi.org/
News Releases
13 July 2023
**Global Fund, Gavi and AFROSAI-E Come Together to Strengthen Supreme Audit Institutions in Member African Countries**
Geneva/Pretoria, 13 July 2023 – The Global Fund to Fight AIDS, Tuberculosis and Malaria (the Global Fund), Gavi, the Vaccine Alliance (Gavi) and the African Organization of English-Speaking Supreme Audit Institutions (AFROSAI-E) have joined forces to strengthen the capacity of and engagement with Supreme Audit Institutions (SAIs) in member countries of AFROSAI-E.
Through a memorandum of understanding (MoU), the three organizations will work together to coordinate and facilitate the exchange of information, experience and knowledge concerning audit and advisory activities. Together, they will strive to strengthen the relationships between the Global Fund and member SAIs of AFROSAI-E with the aim of optimizing the impact of audit and accountability arrangements in the target countries...

**GHIT Fund** [to 15 Jul 2023]
https://www.ghitfund.org/newsroom/press
Press Releases
No new digest content identified.

**Global Fund** [to 15 Jul 2023]
News & Stories
No new digest content identified.

**Global Research Collaboration for Infectious Disease Preparedness [GloPID-R]** [to 15 Jul 2023]
https://www.glopid-r.org/news/
News
No new digest content identified.
IFA [International Federation on Aging] [to 15 Jul 2023]
https://ifa.ngo/
News
**IFA concludes successful 16th Global Conference in Bangkok, Thailand**
July 12, 2023
*Key takeaways –*
- The International Federation on Ageing (IFA) successfully concluded its 16th Global Conference in Bangkok, Thailand, focusing on the theme of “Challenge, Transformation, Change.” The conference brought together experts, policymakers, researchers, and advocates from around the world to address critical issues related to ageing populations.
- The conference facilitated cross-cultural dialogue and the sharing of best practices in addressing the challenges and opportunities associated with population ageing. Attendees from over 60 countries participated in concurrent sessions, symposiums, and master classes, covering topics such as digital technologies, older women, function improvement, immunization, and age-friendly environments.
- The IFA expressed gratitude to its sponsors, including Pfizer, Moderna, Seqirus, Cochlear, and others, for their support in improving the lives of older adults and advancing research, innovation, and healthcare solutions for ageing populations. These sponsors played a vital role in the conference’s success.
International Coalition of Medicines Regulatory Authorities [ICMRA]
Selected Statements, Press Releases, Research
News  12 July 2023
ICH reflection paper on integrating real-world evidence into regulatory decision-making

ICH - International Council for Harmonisation of Technical Requirements for Pharmaceuticals for Human Use  [to 15 Jul 2023]
News/Pubs/Press Releases [Selective]
Public Consultation: ICH E6(R3) Principles, Annex 1 and Annex 2
The E6(R3) EWG is working on the revision of the E6(R2) Guideline “Good Clinical Practice” (GCP) with a view to addressing the application of GCP principles to the increasingly diverse trial types and data sources being employed to support regulatory and healthcare related decision-making on drugs, and provide flexibility whenever appropriate to facilitate the use of technological innovations in clinical trials. Additional information may also be found in ICH Reflection Paper on “GCP Renovation” on the ICH Reflection Paper page. When complete, E6(R3) will be composed of an overarching principles and objectives document, Annex 1 and Annex 2.
E6(R3) Draft Guideline
Public consultation dates:
ANVISA, Brazil - Deadline for comments by 31 August 2023
EC, Europe - Deadline for comments by 26 September 2023
MHRA, UK - Deadline for comments by 31 August 2023
TFDA, Chinese Taipei - Deadline for comments by 31 August 2023

ICRC  [to 15 Jul 2023]
What’s New  [Selected]
Sudan: Urgent humanitarian response needed as fighting enters fourth month
As the fighting in Sudan enters its fourth month, people in Khartoum, Darfur, and other areas are living in dire conditions with very little access to health care, water, and electricity as food prices surge across the country.
14-07-2023 | News release

IFFIm
http://www.iffim.org/
Press Releases/Announcements
No new digest content identified.
ISC / International Science Council  [to 15 Jul 2023]
https://council.science/current/
ISC is a non-governmental organization with a unique global membership that brings together 40 international scientific Unions and Associations and over 140 national and regional scientific organizations including Academies and Research Councils.

Blogs
Charting a New Course: Science Day to Pioneer Evidence-Based Strategies for SDG Acceleration at the HLPF 2023
11.07.2023
The International Science Council (ISC), the Stockholm Environment Institute (SEI), the UN Sustainable Development Solutions Network (SDSN), the United Nations Development Programme (UNDP), and the United Nations Department of Economic and Social Affairs (UNDESA) are joining forces at the upcoming 2023 High-Level Political Forum (HLPF) to host Science Day. This special event, taking place on Saturday 15 July, aims to focus on evidence-based strategies to fast-track the implementation of the Sustainable Development Goals (SDGs).

Under the theme “Evidence-Based Strategies for SDG Acceleration”, Science Day will serve as a platform for decision-makers, scientists, and stakeholders to gather and exchange views on effective strategies rooted in evidence to accelerate SDG implementation. This event provides an opportunity to showcase significant scientific findings, methodologies, and tools that support evidence-based decision-making for the SDGs...

International Union of Immunological Societies (IUIS)
https://iuis.org/
News/Events [Selected]
No new digest content identified.

IVAC  [to 15 Jul 2023]
https://www.jhsph.edu/research/centers-and-institutes/ivac/index.html
Updates; Events
IVAC Puts Up a Strong Showing at the Vaccine Acceptance Research Network Conference (VARN)
July 2023
This year, the Sabin Vaccine Institute’s annual Vaccination Acceptance Research Network (VARN) 2023 Conference was co-convened with UNICEF and co-sponsored by Gavi, the Vaccine Alliance, in
Bangkok, Thailand. IVAC showed a strong presence at VARN, with a number of posters, oral presentations, and workshops. Alex Michel presented a poster on IVAC’s online course, COVID [...] 

**IVI**  [to 15 Jul 2023]
http://www.ivi.int/
*IVI News & Announcements*

**Prof. Seung-Il Shin’s memoir retraces IVI’s early history**
“The Origins of The International Vaccine Institute – A Personal History,” a memoir written by Prof. Seung-Il Shin, has been published, shedding light on the remarkable journey that led to the birth of IVI.

**Johns Hopkins Center for Health Security**  [to 15 Jul 2023]
https://www.centerforhealthsecurity.org/news/center-news/

*Center News* [Selected]
No new digest content identified.

**MSF/Médecins Sans Frontières**  [to 15 Jul 2023]
http://www.msf.org/
*Latest [Selected Announcements]*

**Cholera**

**Urgent action needed to tackle cholera across Horn of Africa**

Voices from the Field 13 Jul 2023

Cholera outbreaks are occurring with increasing frequency, and lasting for longer, across Somalia, Kenya and Ethiopia. Tetiana Gaviuk, Médecins Sans Frontières (MSF) communications manager questions, why the death toll from this preventable disease is rising.

**National Academy of Medicine** - USA  [to 15 Jul 2023]
https://nam.edu/programs/
*News [Selected]*
No new digest content identified.

**National Academy of Sciences** - USA  [to 15 Jul 2023]
https://www.nationalacademies.org/newsroom?
*News*

**National Academies to Hold Summit on Climate Change July 11-12**

On July 11 and 12, the Climate Crossroads Summit will bring together experts from many disciplines to explore actions that will help build a broad portfolio of equitable responses to climate change. It marks the launch of a major new National Academies effort to provide sustained national and global leadership on climate change.

Date: 2023-07-10

**National Vaccine Program Office** - U.S. HHS  [to 15 Jul 2023]
Upcoming Meetings/Latest Updates

**September 21-22, 2023 NVAC Meeting**

**NIH** [to 15 Jul 2023]
http://www.nih.gov/
News Releases
No new digest content identified.

**PATH** [to 15 Jul 2023]
https://www.path.org/media-center/
Press Releases
Multivalent meningococcal meningitis vaccine from Serum Institute of India achieves WHO prequalification
July 12, 2023 by PATH
This milestone marks a key step forward in protecting African meningitis belt countries from deadly and debilitating meningitis epidemics

**Rockefeller Foundation** [to 15 Jul 2023]
https://www.rockefellerfoundation.org/
Selected Reports/Press Releases
No new digest content identified.

**Sabin Vaccine Institute** [to 15 Jul 2023]
https://www.sabin.org/press/
Latest News & Press Releases
Building an Immunization Movement: Introducing the Global HPV Consortium
Anuradha Gupta

**UNAIDS** [to 15 Jul 2023]
http://www.unaids.org/en
Selected Press Releases/Reports/Statements
Press release
New report from UNAIDS shows that AIDS can be ended by 2030 and outlines the path to get there
GENEVA, 13 July 2023—A new report released today by UNAIDS shows that there is a clear path that ends AIDS. This path will also help prepare for and tackle future pandemics and advance progress towards achieving the Sustainable Development Goals. The report, ‘The Path that Ends AIDS’, contains data and case studies which highlight that ending AIDS is a political and financial choice, and that the countries and leaders who are already following the path are achieving extraordinary results.

**UNICEF** [to 15 Jul 2023]
122 million more people pushed into hunger since 2019 due to multiple crises, reveals UN report

ROME/NEW YORK/GENEVA, 12 July 2023 – Over 122 million more people are facing hunger in the world since 2019 due to the pandemic and repeated weather shocks and conflicts, including the war in Ukraine, according to the latest State of Food Security and Nutrition in the World (SOFI) report published today jointly by five United Nations specialized...
**Wellcome appoints Chief Equity, Diversity and Inclusion Officer and Chief Strategy Officer**
10 July 2023
Dr Jimmy Volmink and Dr Beth Thompson are joining the executive leadership team at Wellcome.

**The Wistar Institute** [to 15 Jul 2023]
*Press Releases*
No new digest content identified.

**WFPHA: World Federation of Public Health Associations** [to 15 Jul 2023]
https://www.wfpha.org/
*Latest News - Blog*
No new digest content identified.

**World Medical Association [WMA]** [to 15 Jul 2023]
*Press Releases*
No new digest content identified.

**World Organisation for Animal Health (OIE)** [to 15 Jul 2023]
https://www.oie.int/en/
*Press Releases, Statements*
No new digest content identified.

::::::

**ARM [Alliance for Regenerative Medicine]** [to 15 Jul 2023]
*Selected Press Releases*
No new digest content identified.

**BIO** [to 15 Jul 2023]
*Press Releases*
No new digest content identified.

**DCVMN – Developing Country Vaccine Manufacturers Network** [to 15 Jul 2023]
http://www.dcvmn.org/
*News; Upcoming events*
**24th DCVMN Annual General Meeting 2023**
September 19 - 21, 2023
Cape Town, South Africa
ICBA – International Council of Biotechnology Associations [to 15 Jul 2023]
https://internationalbiotech.org/news/
News
No new digest content identified.

IFPMA [to 15 Jul 2023]
https://ifpma.org/
Selected Press Releases/Statement
Press release 12 Jul 2023
Global biopharmaceutical trade body announces new CEO leadership team
CEOs from Pfizer, Roche, and Daiichi Sankyo take up roles on IFPMA CEO leadership team The global biopharmaceutical industry trade body, the International Federation of Pharmaceutical Manufacturers and Associations (IFPMA), has announced a new line up for their CEO leadership team for the coming two years. T

International Alliance of Patients’ Organizations – IAPO [to 15 Jul 2023]
https://www.iapo.org.uk/news/topic/6
Press and media [Selected]
No new digest announcements identified

International Generic and Biosimilar Medicines Association [IGBA]
https://www.igbamedicines.org/
News
No new digest announcements identified

PhRMA [to 15 Jul 2023]
http://www.phrma.org/
Press Releases
Avalere’s Elizabeth Carpenter to Join PhRMA as EVP for Policy & Research
Succeeds Jenny Bryant who is retiring after 17 years with PhRMA
PhRMA
July 12, 2023

Vaccines/Therapeutics/Medicines – Selected Developer/Manufacturer Announcements

AstraZeneca
Press Releases - No new digest announcements identified

Bharat Biotech
Biological E

**USFDA SUCCESSFULLY COMPLETES INSPECTION OF OUR PAONTA SAHIB PLANT**

Hyderabad, July 12, 2023: Biological E. Limited (BE) is pleased to announce that the United States Food and Drug Administration (USFDA) has recently completed a successful on-site inspection of our Injectable Plant at Paonta Sahib in Himachal Pradesh, India...

CureVac [Bayer Ag – Germany]

**CureVac Announces Update to the Management Team**

TÜBINGEN, Germany / BOSTON, USA – July 14, 2023

CureVac N.V...today announced that Dr. Igor Splawski, CureVac’s Chief Scientific Officer, will step down effective July 14, 2023 to return to early-stage research in the United States. During the search...
for a successor, CureVac’s Chief Development Officer, Dr. Myriam Mendila, will head the advancement of CureVac’s unique mRNA technology platform and its integration with the clinical development of novel mRNA vaccines and therapeutics...

**Gamaleya National Center**
*Latest News and Events* - See Russia above.

**GSK**
*Press releases for media*
10 July 2023
**Medicines and Healthcare products Regulatory Agency authorises GSK’s Arexvy, the first respiratory syncytial virus (RSV) vaccine for older adults**
Authorisation will help protect adults 60 years of age and older in the UK from RSV disease for the first time

**IMBCAMS**, China
*Home* - Website not responding at inquiry

**Janssen/JNJ**
*Press Releases* - No new digest announcements identified

**Merck**
*News releases* - No new digest announcements identified

**Moderna**
*Press Releases* - No new digest announcements identified

**Nanogen**
*News* - No new digest announcements identified

**Novartis**
*News* - No new digest announcements identified

**Novavax**
*Press Releases*
Jul 13, 2023  *Statement*
**Novavax Intends to Deliver Protein-based XBB COVID Vaccine as Specified in U.S. HHS Letter to COVID Manufacturers**
Today the U.S. Department of Health and Human Services (HHS) issued a letter to COVID vaccine manufacturers, including Novavax, requesting that updated vaccines are ready for Food and Drug Administration (FDA) regulatory action and the Centers for Disease Control and Prevention (CDC) recommendations on vaccination by the latter part of September 2023. Novavax has developed an updated protein-based monovalent XBB.1.5 COVID vaccine candidate and is manufacturing at commercial scale with the intent to meet HHS’ September timeline, pending FDA regulatory action and CDC recommendations on vaccination...

**Pfizer**
*Recent Press Releases* - No new digest announcements identified
Serum Institute of India
NEWS & ANNOUNCEMENTS
Multivalent meningococcal meningitis vaccine from Serum Institute of India achieves WHO prequalification
This milestone marks a key step forward in protecting African meningitis belt countries from deadly and debilitating meningitis epidemics.

Pune, India, and Seattle, United States, 12 July 2023 - MenFive®, the first conjugate vaccine to protect against the five predominant causes of meningococcal meningitis in Africa, has been prequalified by the World Health Organization (WHO). Developed through a 13-year collaboration between Serum Institute of India Pvt. Ltd. (SIIPL) and PATH, with crucial funding from the UK government’s Foreign, Commonwealth and Development Office, MenFive® protects against meningococcal serogroups A, C, W, Y, and X and is designed to eliminate annual meningitis outbreaks and epidemics in the African meningitis belt—a string of 26 countries from Senegal and The Gambia in the west to Ethiopia in the east. It is also the only vaccine that prevents meningitis caused by meningococcal group X, a pathogen increasingly implicated in meningitis outbreaks in Africa...
**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 14, 2023  Issue 2
https://www.tandfonline.com/toc/uabr21/current

*Article*
[Reviewed earlier]

**AMA Journal of Ethics**

Volume 25, Number 7: E467-572
https://journalofethics.ama-assn.org/issue/how-we-over-rely-bmi

*How We Over Rely on BMI*

Patients who are fat or perceived as fat are commonly characterized by some clinicians as unreliable narrators of their own health histories. Negative bias can undermine diagnoses, intervention decisions, and even what some clinicians think fat patients deserve. Fat is widely considered a clinical threat, and obesity is a descriptor applied to patients with BMIs at or over 30. While weight and BMI can be helpful clinical indicators, many of its applications are overvalued, imprecise, contested, and can incur substantial iatrogenic harm. This theme issue examines clinical and ethical shortcomings of medicine’s current approaches to fat.

**American Journal of Infection Control**

July 2023  Volume 51  Issue 7  p725-846
http://www.aiicjournal.org/current

[New issue; No digest content identified]
American Journal of Preventive Medicine
July 2023  Volume 65  Issue 1  p1-172
https://www.ajpmonline.org/current
Research Articles
Financial Incentives for COVID-19 Vaccines Among People Experiencing Homelessness
Allison D. Rosen, et al.
Published online: January 17, 2023
p12-18

Global Health Promotion & Prevention
Cost-Effectiveness and Health Impacts of Different Influenza Vaccination Strategies for Children in China
Yilin Gong, et al.
Published online: April 08, 2023
p155-164

American Journal of Public Health
July 2023  113(7)
http://ajph.aphapublications.org/toc/ajph/current
[Reviewed earlier]

American Journal of Tropical Medicine and Hygiene
Volume 109 (2023): Issue 1 (Jul 2023)
https://www.ajtmh.org/view/journals/tpmd/109/1/tpmd.109.issue-1.xml
Perspective Piece  Restricted access
Vaccine Refusal: A Major, Underestimated Obstacle for the Poliomyelitis Eradication Initiative
Bernard Seytre
DOI: https://doi.org/10.4269/ajtmh.23-0154
Page(s): 6–9
ABSTRACT.
In 1988, the WHO launched the Global Poliomyelitis Eradication Initiative with the goal of eradication by 2000. Not only has this goal, which has been repeatedly postponed, still not been achieved, but while the wild polio virus is still endemic in two Asian countries, a new epidemic caused by a vaccine-derived virus is spreading and is now affecting numerous developing and industrialized countries, including the United Kingdom and the United States. In addition to biological explanations for the failure of eradication, vaccination refusal by communities in mainly two regions of Africa and Asia has prevented mass vaccination campaigns from achieving their immunization coverage targets. The way these campaigns have been deployed has contributed to mistrust and hostility. The negative reactions of some communities, expressed from the first vaccination campaigns, were belatedly considered, which gave time for rumors to flourish and settle permanently. This failure underscores the importance of taking into account, before any vaccination campaign begins, the “health culture” of target populations—meaning their representations of the vaccines and the health authorities that promote vaccination, as well as their knowledge, fears, and hopes.
Research Articles

Evaluation of Willingness to Accept COVID-19 Vaccine and Willingness to Pay among Pakistani Parents for Their Children Aged 5 to 11 Years: Findings and Implications
Khezar Hayat, et al.
Article Category:
DOI: https://doi.org/10.4269/ajtmh.22-0363
Page(s): 69–75

COVID-19 Knowledge and Prevention Behaviors in Rural Zambia: A Qualitative Application of the Information-Motivation-Behavioral Skills Model
Jeanette L. Kaiser, et al.
DOI: https://doi.org/10.4269/ajtmh.22-0604
Page(s): 76–89

Short Report

Increasing COVID-19 Vaccination Coverage for Newcomer Communities: The Importance of Disaggregation by Language
Abigail Steiner, et al.
DOI: https://doi.org/10.4269/ajtmh.22-0724
Page(s): 90–93

Annals of Internal Medicine
June 2023  Volume 176, Issue
https://www.acpjournals.org/toc/aim/current
[Reviewed earlier]

Artificial Intelligence – An International Journal
Volume 319  June 2023
[Reviewed earlier]

BMC Cost Effectiveness and Resource Allocation
http://resource-allocation.biomedcentral.com/
(Accessed 15 Jul 2023)
[No new digest content identified]

BMJ Global Health
July 2023 - Volume 8 - 7
https://gh.bmj.com/content/8/7
Editorial
Essential public health functions: the key to resilient health systems (12 July, 2023)
Neil Squires, Richard Garfield, Olaa Mohamed-Ahmed, Bjorn Gunnar Iversen, Anders Tegnell, Angela Fehr, Jeffrey P Koplan, Jean Claude Desenclos, Anne-Catherine Viso
Analysis

Public health use of HIV phylogenetic data in sub-Saharan Africa: ethical issues (5 July, 2023)
Euzebiusz Jamrozik, Nchangwi Syntia Munung, Lucie Abeler-Dorner, Michael Parker

Commentary

Approaches for improving linkage to HIV care among HIV self-testing individuals in sub-Saharan Africa (14 July, 2023)
Mbuzeleni Hlongwa, Enos Moyo, Tafadzwa Dzinamarira

Evaluating diagnostic tests during outbreaks: challenges and lessons learnt from COVID-19 (10 July, 2023)
Camille Escadafal, Rossella Baldan, Margarethta De Vos, Ryan Jose Ruiz, Devy M Emperador, Alltalents T Murahwa, Aurélien Macé, Daniel G Bausch, Aurélia Vessière, Jillian A Sacks

Vaccine pricing strategies in China (4 July, 2023)
Haonan Zhang, Bryan Patenaude, Chao Ma, Hai Fang

Original research

The potential impact of novel tuberculosis vaccines on health equity and financial protection in low-income and middle-income countries (12 July, 2023)
Allison Portnoy, Rebecca A Clark, Chathika K Weerasuriya, Christinah Mukandavire, Matthew Quaife, Roel Bakker, Inés Garcia Baena, Nebiat Gebreselassie, Matteo Zignol, Mark Jit, Richard G White, Nicolas A Menzies

Cost-effectiveness of measles and rubella elimination in low-income and middle-income countries (10 July, 2023)
Ann Levin, Colleen Burgess, Stephanie Shendale, Winthrop Morgan, Raymond Cw Hutubessy, Measles–rubella Eradication Modelling Group, Mark Jit

Addressing sociodemographic disparities in COVID-19 vaccine uptake among youth in Zimbabwe (5 July, 2023)
Leyla Larsson, Chido Dziva Chikwari, Victoria Simms, Mandikudza Tembo, Agnes Mahomva, Owen Mugurungi, Richard J Hayes, Constance R S Mackworth-Young, Sarah Bernays, Constancia Mavodza, Tinotenda Taruvinga, Tsitsi Bandason, Ethel Dauya, Rashida Abbas Ferrand, Katharina Kranzer

Practice

Making research ethics work for global health: towards a more agile and collaborative approach (14 July, 2023)
Sreeparna Chattopadhyay, Bregje de Kok

... We propose a decolonial, plural and vernacular approach to informed consent specifically, and research ethics more broadly. We contend that ethics procedures and frameworks need to become more agile, decolonial, pluralised and vernacularised to enable achieving congruence between communities’ ideas of social justice and institutional ethics. We argue that global health research can benefit from anthropology’s engagement with situated ethics and consent that is relational, negotiated and processual; and accountability that is not only bureaucratic but also constructive. In doing so, we
hope to broaden ethical praxis so that the best outcomes that are also just, fair and equitable can be achieved for all stakeholders.

**BMC Health Services Research**
http://www.biomedcentral.com/bmchealthservres/content
(Accessed 15 Jul 2023)
[No new digest content identified]

**BMC Infectious Diseases**
http://www.biomedcentral.com/bmcinfectdis/content
(Accessed 15 Jul 2023)
*[Antimicrobial stewardship programs in seven Latin American countries: facing the challenges]*
Studies have shown that more than 50% of the antibiotics used in hospitals are unnecessary or inappropriate and, that antimicrobial resistance may cost up to 20 billion USD in excess medical costs each year. O...
Authors: Christian José Pallares, Jessica Porras, Elsa De La Cadena, Juan Carlos García-Betancur, Natalia Restrepo-Arbeláez, Sara María Cobo Viveros, Wanda Cornistein, Paulo Castañeda-Méndez, Luis Cuellar, Diogo Boldim-Ferreira, Jorge Chaverri-Murillo, Jaime A. Labarca and María Virginia Villegas
Citation: BMC Infectious Diseases 2023 23:463
Content type: Research Published on: 11 July 2023

**BMC Medical Ethics**
http://www.biomedcentral.com/bmcmedethics/content
(Accessed 15 Jul 2023)
*[Institutional review boards in Saudi Arabia: the first survey-based report on their functions and operations]*
Institutional review boards (IRBs) are formally designated to review, approve, and monitor biomedical research. They are responsible for ensuring that researchers comply with the ethical guidelines concerning ...
Authors: Areej AlFattani, Norah AlBedah, Asma AlShahrani, Ammar Alkawi, Amani AlMeharish, Yasmin Altwajri, Abeer Omar, M. Zuheir AlKawi and Asim Khogeer
Citation: BMC Medical Ethics 2023 24:50
Content type: Research Published on: 10 July 2023

**BMC Medicine**
http://www.biomedcentral.com/bmcmmed/content
(Accessed 15 Jul 2023)
The COVID-19 Vaccine Introduction and deployment Costing (CVIC) tool was developed to assist countries to estimate incremental financial costs to roll out COVID-19 vaccines. This article describes the purposes...
BMC Pregnancy and Childbirth
http://www.biomedcentral.com/bmcpregnancychildbirth/content
(Accessed 15 Jul 2023)
[No new digest content identified]

BMC Public Health
http://bmcpublichealth.biomedcentral.com/articles
(Accessed 15 Jul 2023)
Temporal and spatial distribution trends of polio vaccine coverage in less than one-year old children in Brazil, 2011–2021
Low polio vaccine coverage can result in the spread of Poliovirus to areas free from viral circulation. This study analyzed the temporal trends and spatial distribution of polio vaccine coverage in one year-old children in Brazil from 2011 to 2021.
Citation: BMC Public Health 2023 23:1359
Content type: Research Published on: 14 July 2023

Do peer-based education interventions effectively improve vaccination acceptance? a systematic review
Vaccination efforts are a vital part of controlling the spread of diseases, however, lack of vaccine acceptance undermines the efficacy of this public health effort. Current evidence suggests that the most eff
Authors: Elisa L. S. Gobbo, Claudia Hanson, Khadija S. S. Abunnaja and Sibylle Herzig van Wees
Citation: BMC Public Health 2023 23:1354
Content type: Research Published on: 14 July 2023

“She vaccinated my baby and that’s all...” Immunisation decision-making and experiences among refugee mothers resettled in Aotearoa New Zealand
To prevent disease outbreaks, refugee children must be age-appropriately immunised. This qualitative study gained an in-depth understanding of refugee mothers’ vaccine decision-making and experiences accessing...
Authors: Nadia A. Charania
Citation: BMC Public Health 2023 23:1349
Content type: Research Published on: 13 July 2023

Muslim parents’ beliefs and factors influencing complete immunization of children aged 0–5 years in a Thai rural community: a qualitative study
Vaccine-preventable diseases have decreased globally. However, measles and diphtheria outbreaks still occur in Southern Thailand, where Muslims are predominant with a documented low vaccine coverage. The purpo...

Authors: Taqwa Jinarong, Rattanaporn Chootong, Polathep Vichitkunakorn and Praneed Songwathana
Citation: BMC Public Health 2023 23:1348
Content type: Research Published on: 13 July 2023

**College students’ influence on COVID-19 vaccination uptake among seniors in China: a protocol of combined cross-sectional and experimental study**
College students generally have good knowledge about COVID-19 and may facilitate COVID-19 vaccination in family. The purpose of this study is to understand college students’ willingness to persuade their grand...
Authors: Junye Bian, Zhihui Guo, Weijie Zhang, Xinyi Li, Caijun Sun, Xuelian Xu and Huachun Zou
Citation: BMC Public Health 2023 23:1322
Content type: Study protocol Published on: 10 July 2023

**BMC Research Notes**
http://www.biomedcentral.com/bmcresearchnotes/content
(Accessed 15 Jul 2023)
[No new digest content identified]

**BMJ Evidence-Based Medicine**
June 2023 - Volume 28 - 3
https://ebm.bmj.com/content/28/3
[Reviewed earlier]

**BMJ Open**
May 2023 - Volume 13 - 5
https://bmjopen.bmj.com/content/13/1
[Reviewed earlier]

**Bulletin of the Atomic Scientists**
May 2023
https://thebulletin.org/magazine/2023-05/
[Reviewed earlier]

**Bulletin of the World Health Organization**
Volume 101(7); 2023 Jul 1
[Reviewed earlier]
Clinical Pharmacology & Therapeutics
Volume 114, Issue 1 Pages: 1-238 July 2023
https://ascpt.onlinelibrary.wiley.com/toc/15326535/current
Commentary
Optimization of Vaccine Responses in Solid Organ Transplant Recipients
Hilary Miller-Handley, Moises A. Huaman
Pages: 26-28
First Published: 11 May 2023

White Papers Open Access
Facilitating Next-Generation Pre-Exposure Prophylaxis Clinical Trials Using HIV Recent Infection Assays: A Consensus Statement from the Forum HIV Prevention Trial Design Project
Neil Parkin, Fei Gao, Eduard Grebe, Amy Cutrell, Moupali Das, Deborah Donnell, Ann Duerr, David V. Glidden, James P. Hughes, Jeffrey Murray, Michael N. Robertson, Joerg Zinserling, Joseph Lau, Veronica Miller, for the Forum for Collaborative Research Recency Assay Working Group
Pages: 29-40
First Published: 22 December 2022

Clinical Trials
Volume 20 Issue 3, June 2023
https://journals.sagepub.com/toc/ctja/20/3
Articles
Reviewed earlier

Conflict and Health
http://www.conflictandhealth.com/
Accessed 15 Jul 2023
Primary healthcare delivery models in African conflict-affected settings: a systematic review

In conflict-affected settings, access to primary healthcare for displaced populations is constrained by multiple challenges. These include geographical, cultural, communication, logistical and financial barriers...

Authors: Lundi-Anne Omam, Elizabeth Jarman, Kelli N. O’Laughlin and Rosalind Parkes-Ratanshi
Citation: Conflict and Health 2023 17:34
Content type: Review Published on: 15 July 2023
Special Issue: Reproductive Justice: Inequalities in the Global South

[Reviewed earlier]

**Development in Practice**
Volume 33, Issue 4, 2023
[Reviewed earlier]

**Development Policy Review**
Volume 41, Issue 4 July 2023
[Reviewed earlier]

**Disaster Medicine and Public Health Preparedness**
Volume 16 - Issue 6 - December 2022
[Reviewed earlier]

**Disasters**
Volume 47, Issue 2 Pages: 245-542 April 2023
[Reviewed earlier]

**EMBO Reports**
Volume 24 Issue 7 5 July 2023
[Reviewed earlier]

**Emerging Infectious Diseases**
Volume 29, Number 6—June 2023
[Reviewed earlier]

**Epidemics**
Volume 43 June 2023
[Reviewed earlier]
Epidemiology and Infection
Volume 151 - 2023
https://www.cambridge.org/core/journals/epidemiology-and-infection/latest-issue
[Reviewed earlier]

Ethics & Human Research
Volume 45, Issue 3 Pages: 1-44 May–June 2023
https://onlinelibrary.wiley.com/toc/25782363/current
:: Advance research directives :: Translational research ethics
[Reviewed earlier]

Ethics & International Affairs
Volume 37 - Issue 1 - Spring 2023
https://www.cambridge.org/core/journals/ethics-and-international-affairs/latest-issue
[Reviewed earlier]

Ethics, Medicine and Public Health
Volume 28 June 2023
[Reviewed earlier]

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Volume 33, Issue 3, June 2023
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[Reviewed earlier]

Expert Review of Vaccines
Vol 22 (1) 2023 Issue In Progress
https://www.tandfonline.com/toc/ierv20/current
[Reviewed earlier]

Foreign Affairs
May/June 2023 Volume 102, Number 3
https://www.foreignaffairs.com/issues/2023/102/3
[Reviewed earlier]

Forum for Development Studies
Volume 50, 2023 - Issue 2
http://www.tandfonline.com/toc/sfds20/current
[Reviewed earlier]
Future health expenditure in the BRICS countries: a forecasting analysis for 2035

Accelerated globalization especially in the late 1980s has provided opportunities for economic progress in the world of emerging economies. The BRICS nations’ economies are distinguishable from other emerging ...

Authors: Pragyan Monalisa Sahoo, Himanshu Sekhar Rout and Mihajlo Jakovljevic

Citation: Globalization and Health 2023 19:49

Content type: Research Published on: 11 July 2023
Special Section: Global Voices for Global Justice: Expanding Right to Health Frameworks

...The papers in this special section work together to move toward a global social medicine for the 22nd century. They envision a global social medicine that confronts and moves beyond the traditionally colonial, xenophobic, heteronormative, patriarchal, gender-binary-bound, capitalist, and racist histories of the fields of global health and human rights. They seek to instantiate a global social medicine that centers knowledge and experiences from the Global South and works toward social justice and health equity at scale. In this special section, the authors are particularly interested in understanding, challenging, and expanding our perspectives and enactments of the right to health. Unlike neoliberal perspectives on health that often limit their explanatory capacity to how individuals behave in the world, the papers here move beyond the focus on lifestyles and on the phantasmagoria of a sovereign subject with supposedly free agency. Instead, authors work toward critical consciousness that accounts for structural processes— with their inequities and disruptions, as well as their effects on individuals—and how this consciousness can open new horizons for collective transformation and social emancipation in health...

Health Economics, Policy and Law
Volume 18 - Issue 3 - July 2023
https://www.cambridge.org/core/journals/health-economics-policy-and-law/latest-issue
[Reviewed earlier]

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Volume 38, Issue 5, June 2023
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http://www.health-policy-systems.com/content
[Accessed 15 Jul 2023]
[No new digest content identified]

Human Gene Therapy
Volume 34, Issue 11-12 / June 2023
https://www.liebertpub.com/toc/hum/34/11-12
Special Issue on Inflammation Networks in Gene Therapy
[Reviewed earlier]

Humanitarian Practice Network
Human Vaccines & Immunotherapeutics (formerly Human Vaccines)
Volume 18, Issue 5, 2022
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Jul 11, 2023 Volume 56 Issue 7 p1429-1698
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[New issue; No digest content identified]

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http://www.idpjournal.com/content
[Accessed 15 Jul 2023]
[No new digest content identified]

International Health
Volume 15, Issue 4, July 2023
https://academic.oup.com/inthealth/issue/15/4
COMMENTARY
Child malnutrition in Afghanistan amid a deepening humanitarian crisis
Zainab Syyeda Rahmat and others
International Health, Volume 15, Issue 4, July 2023, Pages 353–356,
https://doi.org/10.1093/inthealth/ihac055

ORIGINAL ARTICLES
A systematic review of participatory approaches to empower health workers in low- and middle-income countries, highlighting Health Workers for Change
Obarabye Olude and others
International Health, Volume 15, Issue 4, July 2023, Pages 462–473,
https://doi.org/10.1093/inthealth/ihac070

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Volume 11 (2022): Issue 2 (Dec 2022)
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Vol. 10 No. 7 (2023): July 2023
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Volume 52, Issue 3, June 2023
https://academic.oup.com/ije/issue
[Reviewed earlier]

International Journal of Human Rights in Healthcare
Volume 16 Issue 3 2023
https://www.emerald.com/insight/publication/issn/2056-4902/vol/16/iss/3
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Articulating key obligations of states to persons deprived of liberty under a right to health framework: the Philippine case study
Lee Edson P. Yarcia, Jan Michael Alexandre C. Bernadas
This paper aims to examine key obligations of states to persons deprived of liberty (PDLs) under the right to health framework in the context of COVID-19. As a case study...

Safeguarding the rights and welfare of the health-care workers amid the pandemic: a social protection approach
Harlida Abdul Wahab, Asmar Abdul Rahim, Nor Anita Abdullah
This paper aims to study the elements of social protection, namely, the labour market policy (working conditions), social insurance and social assistance from the law and...

JAMA
July 11, 2023, Vol 330, No. 2, Pages 101-198
https://jamanetwork.com/journals/jama/currentissue
Original Investigation
Rapid Whole-Genomic Sequencing and a Targeted Neonatal Gene Panel in Infants With a Suspected Genetic Disorder
Jill L. Maron, MD, MPH; Stephen Kingsmore, MD; Bruce D. Gelb, MD; et al.
has audio
This prospective multicenter study of 400 hospitalized infants with a suspected genetic disorder evaluated rates of molecular diagnostic yield, time to return of results, and clinical utility by comparing between genomic sequencing and targeted neonatal gene-sequencing testing.

Research Letter
**BA.1 Bivalent COVID-19 Vaccine Use and Stroke in England**
Nick Andrews, PhD; Julia Stowe, PhD; Elizabeth Miller, MBBS; et al.
This study investigates the association between bivalent COVID-19 vaccines and ischemic stroke, as well as the effect of simultaneous influenza vaccination on the association.

**JAMA Health Forum**
July 2023, Vol 4, No. 7
https://jamanetwork.com/journals/jama-health-forum/issue

**JAMA Forum**

**What Artificial Intelligence Means for Health Care**
David M. Cutler, PhD
open access
This JAMA Forum discusses 5 observations about the possible effects of artificial intelligence on medicine.

**Special Communication**

**Understanding How Post–COVID-19 Condition Affects Adults and Health Care Systems**
Gabrielle M. Katz, BHSc; Katie Bach, MBA, MSc; Pavlos Bobos, PhD; et al.
open access
This Special Communication reviews the literature on post–COVID-19 condition and its functional, health, and economic effects.

**JAMA Pediatrics**
July 2023, Vol 177, No. 7, Pages 655-742
https://jamanetwork.com/journals/jamapediatrics/currentissue

**Original Investigation**

**Safety of the BNT162b2 COVID-19 Vaccine in Children Aged 5 to 17 Years**
Mao Hu, BS; Hui Lee Wong, PhD, MSc; Yuhui Feng, MS; et al.
free access
This cohort study analyzes data from 3 commercial claims databases to conduct near–real-time monitoring of health outcomes following BNT162b2 COVID-19 vaccination in the US pediatric population aged 5 to 17 years.

**JBI Evidence Synthesis**
July 2023 - Volume 21 - Issue 7
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[New issue; No digest content identified]

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July 2023 Volume 73 Issue 1 p1-212
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Vol. 77 (2023)
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...a peer-reviewed, international journal for the rapid publication of original research on new and existing drugs and therapies, and post-marketing investigations. Equivalence, safety and efficacy/effectiveness studies are especially encouraged.
June 18, 2023  Vol 6, No 06 (2023)
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Volume 163  June 2023
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Volume 18 Issue 3, July 2023
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[Reviewed earlier]

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June 2023 - Volume 77 - 6
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Volume 16, Issue 2  Pages: 101-258  June 2023
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ARTICLES
Cost-effectiveness of COVID-19 vaccination: A systematic review
Yaqun Fu, Jingyu Zhao, Peien Han, Jiawei Zhang, Quan Wang, Qingbo Wang, Xia Wei, Li Yang, Tao Ren, Siyan Zhan, Liming Li
Pages: 152-165
First Published: 26 April 2023

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Volume 19, Issue 1 (2023)
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Volume 34, Number 2, May 2023
https://muse.jhu.edu/issue/50186
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Volume 25, issue 3, June 2023
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Volume 228, Issue 2, 15 July 2023
https://academic.oup.com/jid/issue/228/2
Viewpoint
Marburg Virus Disease: Global Threat or Isolated Events?
Andrea Marzi and Heinz Feldmann
The Journal of Infectious Diseases, Volume 228, Issue 2, 15 July 2023, Pages 103–105,
https://doi.org/10.1093/infdis/jiad161

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Volume 35, Issue 5  Pages: 669-960  July 2023
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RESEARCH ARTICLES  Open Access
COVID-19 and the state: Exploring a puzzling relationship in the early stages of the pandemic
Rachel M. Gisselquist, Andrea Vaccaro
Pages: 800-819
First Published: 12 October 2022

Journal of Medical Ethics
July 2023 - Volume 49 - 7
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[Reviewed earlier]

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Volume 10, Issue 1 (2023)
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[Reviewed earlier]

Journal of Pediatrics
June 2023 Volume 257
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Reflections on Ethics and Advocacy in Child Health
[Reviewed earlier]

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https://joppp.biomedcentral.com/
[Accessed 15 Jul 2023]
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Journal of Public Health Management & Practice
May/June 2023 - Volume 29 - Issue 3
https://journals.lww.com/jphmp/pages/currenttoc.aspx
[Reviewed earlier]

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Volume 44, issue 2, June 2023
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[Reviewed earlier]

Journal of the Royal Society – Interface
July 2023 Volume 20 Issue 204
https://royalsocietypublishing.org/toc/rsif/current
Comment

Achieving justice in implementation: the Lancet Commission on Evidence-Based Implementation in Global Health
Herbert B Peterson, Queen Dube, Joy E Lawn, Joumana Haidar, Jessamy Bagenal, Richard Horton on behalf of the Lancet Commission on Evidence-Based Implementation in Global Health

With the launch of the Sustainable Development Goals (SDGs) in 2015, global leaders committed to the health and wellbeing of every person on the planet by 2030. With the development of numerous life-saving and life-enhancing innovations, the potential for using science and technology to achieve this goal has never been greater. Yet with far too many innovations there are stark and unacceptable inequities in availability and access. Further, a high proportion of effective interventions are not being put into practice effectively at scale, particularly in low-income and middle-income countries (LMICs) where scalability and sustainability of interventions with quality have been especially challenging. Wide gaps remain between what is known and what is done in global health. These gaps, varying characterised with terms such as the knowledge to action gap, the research to practice gap, and the quality gap, are failures in implementation. Global health goals and objectives will not be achieved until these implementation challenges are effectively addressed.
**The best medicine for improving global health? Reduce inequality**

The COVID pandemic knocked back progress towards improving public health. Without addressing the underlying social and economic causes of ill health, it could completely stall.

**Health system-scale language models are all-purpose prediction engines**

A clinical language model trained on unstructured clinical notes from the electronic health record enhances prediction of clinical and operational events.

Lavender Yao Jiang, Xujin Chris Liu, Eric Karl Oermann
Determinants of COVID-19 vaccine readiness and hesitancy among adults in sub-Saharan Africa
Research Article | published 14 Jul 2023 PLOS Global Public Health
https://doi.org/10.1371/journal.pgph.0000713

Acceptability and feasibility of home and hospital follow-up in Burkina Faso and Guinea: A mixed-method study among patients of the COVID-19 Coverage-Africa clinical trial
Mélanie Plazy, Marie-Hélène Doucet, Christine Timbo Songbono, Anselme Sanon, Bamba Issiaka, Caroline Martin, Inès Da, Anthony L’hostellier, Olivier Marcy, Denis Malvy, Armel Poda, Alexandre Delamou, Abdramane Berthé, Joanna Orne-Gliemann
Research Article | published 12 Jul 2023 PLOS Global Public Health
https://doi.org/10.1371/journal.pgph.0001545

Antimicrobial resistance: Strengthening surveillance for public health action
Silvia Bertagnolio, Amitabh Bipin Suthar, Olga Tosas, Kitty Van Weezenbeek
Perspective | published 12 Jul 2023 PLOS Medicine
https://doi.org/10.1371/journal.pmed.1004265

The potential impact of novel tuberculosis vaccine introduction on economic growth in low- and middle-income countries: A modeling study
Allison Portnoy, Jean-Louis Arcand, Rebecca A. Clark, Chathika K. Weerasuriya, Christinah Mukandavire, Roel Bakker, Edith Patouillard, Nebiat Gebreselassie, Matteo Zignol, Mark Jit, Richard G. White, Nicolas A. Menzies
Research Article | published 11 Jul 2023 PLOS Medicine
https://doi.org/10.1371/journal.pmed.1004252
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June 27, 2023 | vol. 120 | no. 26
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[New issue; No digest content identified]

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Volume 2, Issue 6  June 2023
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[Reviewed earlier]

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Volume 38 - Issue 3 - June 2023
https://www.cambridge.org/core/journals/prehospital-and-disaster-medicine/latest-issue
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Volume 172  July 2023
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12 July 2023  Volume 290  Issue 2002
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Volume 219  Pages 1-166 (June 2023)
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Volume 16, Issue 1, April 2023
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Volume 138 Issue 4, July/August 2023
https://journals.sagepub.com/toc/phrg/138/4
Case Study
Research article  First published April 27, 2023pp. 586–592
Lessons Learned From Monitoring Spanish-Language Vaccine Misinformation During the COVID-19 Pandemic
Erika Bonnevie MA, et al.

Research article  First published May 27, 2023pp. 681–690
From COVID-19 Vaccine Hesitancy to Vaccine Acceptance: Results of a Longitudinal Survey
Kimberly A. Fisher MD, MSc, et al.

Qualitative Health Research
Volume 33 Issue 7, June 2023
https://journals.sagepub.com/toc/qhra/current
[Reviewed earlier]

Research Ethics
Volume 19 Issue 3, July 2023
http://journals.sagepub.com/toc/reab/current
[Reviewed earlier]

Reproductive Health
http://www.reproductive-health-journal.com/content
[Accessed 15 Jul 2023]
[No new digest content identified]
Huge strides have been made in the development of machine-learning algorithms to generate what is commonly called artificial intelligence (AI). Looking to the forefront of how AI is being used in science and society reveals many benefits, as well as grand challenges, that must be addressed.

AI offers considerable benefits, particularly when applications involve substantial amounts of data and high variability. For example, machine learning is being used to facilitate understanding of animal communication, which aims to aid conservation and husbandry. Applications in drug development and chemistry could substantially increase discovery and implementation. Moreover, there has been widespread development and deployment of machine-learning algorithms in medicine, in the form of medical robots to improve patient treatment and recovery and as platforms that facilitate diagnoses and treatment recommendations. But there are concerns about bias and discrimination. Finding ways to develop machine learning without bias and developing AI models that can assess bias and health equity could help maximize the benefits for all.

Such checks and balances are also needed as generative AI is deployed. Is an artifact still “art” if produced by a machine? And what of copyright protection as generative algorithms draw from the
work of others? There are also questions about retaining employment and the value of human skills built over years—might those who are most successful in the future be well practiced at using AI models, rather than having a traditional skill honed over years? Concerns about the existential threat of AI systems, to ensure that they are safe for democracy, social justice, and human rights, also need to be addressed in a transparent manner.

What will a machine-intelligent world of the future look like? AI cannot do everything—yet. It cannot smell, it cannot work in a team, it cannot feel emotions, it cannot invent, and it cannot reason. But it can help us reach further. The question is, how can we ensure that AI is safe so that the benefits outweigh the risks?

**Perspectives**

**Mitigating bias in AI at the point of care**

BY Matthew DeCamp, Charlotta Lindvall

13 Jul 2023: 150-152

Artificial intelligence (AI) shows promise for improving basic and translational science, medicine, and public health, but its success is not guaranteed. Numerous examples have arisen of racial, ethnic, gender, disability, and other biases in AI applications to health care. In ethics, bias generally refers to any systematic, unfair favoring of people in terms of how they are treated or the outcomes they experience. Consensus has emerged among scientists, ethicists, and policy-makers that minimizing bias is a shared responsibility among all involved in AI development. For example, ensuring equity by eliminating bias in AI is a core principle of the World Health Organization for governing AI (1). But ensuring equity will require more than unbiased data and algorithms. It will also require reducing biases in how clinicians and patients use AI-based algorithms—a potentially more challenging task than reducing biases in algorithms themselves...

**Reviews**

**Leveraging artificial intelligence in the fight against infectious diseases**

BY Felix Wong, Cesar de la Fuente-Nunez, James J. Collins

13 Jul 2023: 164-170

**Abstract**

Despite advances in molecular biology, genetics, computation, and medicinal chemistry, infectious disease remains an ominous threat to public health. Addressing the challenges posed by pathogen outbreaks, pandemics, and antimicrobial resistance will require concerted interdisciplinary efforts. In conjunction with systems and synthetic biology, artificial intelligence (AI) is now leading to rapid progress, expanding anti-infective drug discovery, enhancing our understanding of infection biology, and accelerating the development of diagnostics. In this Review, we discuss approaches for detecting, treating, and understanding infectious diseases, underscoring the progress supported by AI in each case. We suggest future applications of AI and how it might be harnessed to help control infectious disease outbreaks and pandemics.

**Science and Engineering Ethics**

Volume 29, issue 3, June 2023


[Reviewed earlier]
Review

Insights into dengue immunity from vaccine trials
BY Eng Eong Ooi, Shirin Kalimuddin
12 Jul 2023

Abstract
The quest for an effective dengue vaccine has culminated in two approved vaccines and another that has completed phase 3 clinical trials. However, shortcomings exist in each, suggesting that the knowledge on dengue immunity used to develop these vaccines was incomplete. Vaccine trial findings could refine our understanding of dengue immunity, because these are experimentally derived, placebo-controlled data. Results from these trials suggest that neutralizing antibody titers alone are insufficient to inform protection against symptomatic infection, implicating a role for cellular immunity in protection. These findings have relevance for both future dengue vaccine development and application of current vaccines for maximal public health benefit.

Scientific Reports
https://www.nature.com/srep/articles?type=article
[Accessed 15 Jul 2023]

Estimating vaccine coverage in conflict settings using geospatial methods: a case study in Borno state, Nigeria
Alyssa N. Sbarra, Sam Rolfe, Jonathan F. Mosser

Social Science & Medicine
Volume 327 June 2023

Artificial intelligence-based computer aided detection (AI-CAD) in the fight against tuberculosis: Effects of moving health technologies in global health
Julien Onno, Faiz Ahmad Khan, Amrita Daftary, Pierre-Marie David

Abstract
Computer Aided Detection software based on Artificial Intelligence (AI-CAD), combined with chest X-rays have recently been promoted as an easy fix for a complex problem: ending TB by 2030. WHO has recommended the use of such imaging devices in 2021 and many partnerships have helped propose benchmark analysis and technology comparisons to facilitate their “market access”.

Our aim is to examine the socio-political and health issues that stem from using AI-CAD technology in a global health context conceptualized as a set of practice and ideas organizing global intervention “in the life of others”. We also question how this technology, which is not yet fully implemented in routine use, may limit or amplify some inequalities in the care of tuberculosis. We describe AI-CAD through Actor-Network-Theory framework to understand the global assemblage and composite activities associated with detection through AI-CAD, and interrogate how the technology itself may consolidate a specific configuration of “global health”.

We explore the various dimensions of AI-CAD “health effects model”: technology design, development, regulation, institutional competition, social interaction and health cultures. On a broader level, AI-CAD represents a new version of global health's accelerationist model centered on “moving and autonomous-presumed technologies”.

We finally present key aspects in our research which help discuss the theories mobilized: AI-CAD ambivalent insertion in global health, the social lives of its data: from efficacy to markets and AI-CAD human care and maintenance it requires. We reflect on the conditions that will affect AI-CAD use and its promises. In the end, the risk of new detection technologies such as AI-CAD is indeed that the fight against TB could be reduced to one that is purely technical and technological, with neglect to its social determinants and effects.

**Systematic Reviews**
https://systematicreviewsjournal.biomedcentral.com/articles
[Accessed 15 Jul 2023]
[Reviewed earlier]

**Theoretical Medicine and Bioethics**
Volume 44, issue 3, June 2023
[Reviewed earlier]

**Travel Medicine and Infectious Diseases**
Volume 53  May–June 2023
[Reviewed earlier]

**Tropical Medicine & International Health**
Volume 28, Issue 7  Pages: i-iv, 507-585  July 2023
https://onlinelibrary.wiley.com/toc/13653156/current

**EDITORS’ CHOICE**

**Interest of seroprevalence surveys for the epidemiological surveillance of the SARS-CoV-2 pandemic in African populations: Insights from the ARIACOV project in Benin**
Parfait Houngbégnon, Odilon Nouatin, Anges Yadouléton, Benjamin Hounkpatin, Nadine Fievet, Eloïc Atindéga, Sébastien Dechavanne, Emilande Guichet, Ahidjo Ayoub, Raphaël Pelloquin, David Maman, Guillaume Thaurignac, Martine Peeters, Annonciat Aviansou, Salifou Sourakafou, Eric Delaporte, Achille Massougbodji, Gilles Cottrell
Pages: 508-516
First Published: 27 May 2023

**RESEARCH ARTICLES**

**Vaccination and associated factors among tribal children of 1 year age in nine Indian districts: A cross-sectional study**
Vaccine
Volume 41, Issue 25  Pages 3681-3800 (7 June 2023)
https://www.sciencedirect.com/journal/vaccine/vol/41/issue/25

Selected Content

Discussion  Full text access

**Monkeypox, smallpox, FDA, and accelerated approval of vaccines – A regulatory perspective**
Wellington Sun
Pages 3681-3682

Review article  Open access

**Safety of COVID-19 vaccines during pregnancy: A systematic review and meta-analysis**
Agustín Ciapponi, Mabel Berrueta, Edward P.K. Parker, Ariel Bardach, ... Pierre M Buekens
Pages 3688-3700

Research article  Abstract only

**Vaccine-Derived Poliovirus Type 2 Outbreaks After the Cessation of Use of Oral Poliovirus Vaccine Type**
Outbreak management strategies for cocirculation of multiple poliovirus types
Dominika A. Kalkowska, Kamran Badizadegan, Kimberly M. Thompson
Pages 3718-3727

Research article  Open access

**Mumps resurgence in a highly vaccinated population: Insights gained from surveillance in Canada, 2002–2020**
Joanne Hiebert, Myriam Saboui, Jasmine Rae Frost, Vanessa Zubach, ... Alberto Severini
Pages 3728-3739

Research article  Abstract only

**A national survey of parents’ views on childhood vaccinations in Ireland**
Louise Marron, Annamaria Ferenczi, Katie M. O’Brien, Suzanne Cotter, ... Chantal Migone
Pages 3740-3754

Research article  Full text access

**Assessing vaccine safety during a pandemic: Recent experience and lessons learned for the future**
Steven B. Black, Rebecca E Chandler, Kathryn M. Edwards, Miriam C.J.M. Sturkenboom
Pages 3790-3795

Vaccines
https://www.mdpi.com/journal/vaccines
Latest Articles

Open Access Review

Understanding Diversity of Policies, Functionalities, and Operationalization of Immunization Information Systems and Their Impact: A Targeted Review of the Literature
by Elizabeth A. Donckels, et al.

Abstract
The COVID-19 pandemic has focused attention on the use of immunization information systems (IIS) to record and consolidate immunization records from a variety of sources to generate comprehensive patient immunization histories. Operationalization of IIS in the United States is decentralized, and as such, there are over 60 different IIS with wide variations in enabling policies and functionalities. As such, the policies that inform the development and operation of those sub-national IIS exist at the state and sometimes city levels. A targeted literature review was conducted to identify IIS policies and functionalities and assess their impact. The authors identified articles published from 2012 to 2022 that discussed or evaluated IIS policies and functionalities and screened titles, abstracts, and full text for inclusion. When selected for inclusion, authors extracted IIS policy/functionality characteristics and qualitative or quantitative outcomes of their implementation, where applicable. The search terms yielded 86 articles, of which 39 were included in the analysis. The articles were heterogeneous with respect to study design, interventions, outcomes, and effect measures. Out of the 17 IIS policies and functional components identified in the targeted literature review, the most commonly evaluated were provider-based patient reminder/recall, IIS-based centralized reminder/recall, and clinical decision support. Patient reminder/recall had the most published research and was associated with increased vaccination rates and vaccine knowledge. Despite the lack of quantitative evidence, there is a consensus that immunization data interoperability is critical to supporting IIS data quality, access, and exchange. Significant evidence gaps remain about the effectiveness of IIS functionalities and policies. Future research should evaluate the impact of policies and functionalities to guide improved utilization of IIS, increase national interoperability and standardization, and ultimately improve vaccination coverage and population health.

Open Access Systematic Review

by Sylvia Ayieko

Abstract
Despite the availability of the coronavirus disease 2019 (COVID-19) vaccination, uptake among pregnant women in Sub-Saharan Africa has been low. This scoping review aimed to identify and characterize determinants influencing COVID-19 vaccination decision-making behaviors among pregnant women in Sub-Saharan Africa. We searched five online databases for articles on COVID-19 vaccination among pregnant women in Sub-Saharan Africa. We identified studies published in English between March 2020 and April 2023 that assessed vaccine-specific issues, psychosocial constructs, and contextual factors associated with COVID-19 vaccination decision-making behaviors. Of the fourteen studies identified, over half (57.1%) were cross-sectional; three used qualitative research methods; and three involved multi-country participants. Most studies assessed COVID-19 vaccination acceptability and willingness. Overall, 85.7% of the publications examined knowledge, attitudes, or both as critical factors associated with COVID-19 vaccination. The prevalence of COVID-19 vaccine uptake during pregnancy was low in Sub-Saharan Africa (14.4–28%). While most current studies assess COVID-19 vaccination knowledge, research on maternal vaccination in Sub-Saharan Africa would benefit from the inclusion of theory-informed and driven studies that measure additional
psychosocial factors and contextual constructs. Future studies should also employ study designs that can determine causal pathways of vaccination determinants and vaccination uptake.

**Value in Health**
July 2023  Volume 26  Issue 7  p957-1138
https://www.valueinhealthjournal.com/current
[Reviewed earlier]

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:: Pre-Print Servers

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**Pre-Print Servers**

**Gates Open Research**
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[Accessed 15 Jul 2023]
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Data Note metrics Awaiting Peer Review
Worldwide Index of Serotype-Specific Pneumococcal Antibody Responses (WISSPAR): A curated database of clinical trial data [version 1; peer review: awaiting peer review]
Stephanie Perniciaro, Dominic Cooper-Wooton, Maria Knoll, Daniel Weinberger
Peer Reviewers Invited
Funder
Bill and Melinda Gates Foundation
PUBLISHED 13 Jul 2023

**medRxiv**
https://www.medrxiv.org/content/about-medrxiv
[Accessed 15 Jul 2023]
[Filter: All articles]
Selected Research
Comparative Effectiveness of the Bivalent (Original/Omicron BA.4/BA.5) mRNA COVID-19 Vaccines mRNA-1273.222 and BNT162b2 Bivalent in Adults in the United States
Hagit Kopel, Van Hung Nguyen, Catherine Boileau, Alina Bogdanov, Isabelle Winer, Thierry Ducruet, Ni Zeng, Mac Bonafede, Daina Esposito, David Martin, Andrew Rosen, Nicolas Van de Velde, Sten Vermund, Stefan Gravenstein, James A. Mansi
A Population Level Study on the Determinants of COVID-19 Vaccine Hesitancy at the U.S. County Level
Ensheng Dong, Kristen Nixon, Lauren Marie Gardner

The role and influence of perceived experts in an anti-vaccine misinformation community
Mallory J Harris, Ryan Murtefeldt, Shufan Wang, Erin A Mordecai, Jevin D West

Impact of COVID-19 on the cascade of care for tuberculosis: A systematic review
Tomiwa Fapohunda, Lovemore Mapahla, Reham Amin Khidir Taha, Tawanda Chivese
medRxiv 2023.07.09.23292326; doi: https://doi.org/10.1101/2023.07.09.23292326

Single-dose effectiveness of mpox vaccine in Quebec, Canada: test-negative design with and without adjustment for self-reported exposure risk
Nicholas Brousseau, Sara Carazo, Yossi Febriani, Lauriane Padet, Sandrine Hegg-Deloye, Geneviève Cadieux, Geneviève Bergeron, Judith Pafard, Hugues Charest, Gilles Lambert, Denis Talbot, Jean Longtin, Alexandre Dumont-Blais, Steve Bastien, Virginie Dalpé, Pierre-Henri Minot, Gaston De Serres, Danuta M. Skowronski
medRxiv 2023.07.09.23292425; doi: https://doi.org/10.1101/2023.07.09.23292425

Systems immunology reveals the molecular mechanisms of heterogeneous influenza vaccine response in the elderly
medRxiv 2023.07.10.23292445; doi: https://doi.org/10.1101/2023.07.10.23292445

Structural, Social, and Contextual factors influencing COVID-19 vaccine uptake: A qualitative methods study among Healthcare Workers and Older People in Uganda
Sande Silvesteri, Agnes Ssali, Ubaldo M Bahemuka, Denis Nsubuga, Moses Muwanga, Chris Nserek, Edward Ssemwanga, Asaba Robert, Janet Seeley, Alison Elliott, Eugene Ruzagira
medRxiv 2023.07.10.23292213; doi: https://doi.org/10.1101/2023.07.10.23292213

Impact of non-pharmaceutical interventions on COVID-19 incidence and deaths: cross-national natural experiment in 32 European countries
Diogo Costa, Sven Rohleder, med Kayvan Bozorgmehr
medRxiv 2022.07.11.22277491; doi: https://doi.org/10.1101/2022.07.11.22277491

Relative vaccine effectiveness (rVE) of mRNA COVID-19 boosters in people aged at least 75 years in the UK vaccination programme, during the Spring-Summer (monovalent vaccine) and Autumn-Winter 2022 (bivalent vaccine) booster campaigns: a prospective test negative case-control study
Anastasia Chatzilena, Catherine Hyams, Rob Challen, Robin Marlow, Jade King, David Adegbite, Jane Kinney, Madeleine Clout, Nick Maskell, Jennifer Oliver, Adam Finn, Leon Danon, The Avon CAP Research Group
medRxiv 2023.03.16.23287360; doi: https://doi.org/10.1101/2023.03.16.23287360
New tuberculosis vaccines in India: Modelling the potential health and economic impacts of adolescent/adult vaccination with M72/AS01E and BCG-revaccination
Rebecca A Clark, Chathika K Weerasuriya, Allison Portnoy, Christinah Mukandavire, Matthew Quaife, Roel Bakker, Danny Scarponi, Rebecca C Harris, Kirankumar Rade, Sanjay Kumar Mattoo, Dheeraj Tumu, Nicolas A Menzies, Richard G White
medRxiv 2023.02.24.23286406; doi: https://doi.org/10.1101/2023.02.24.23286406 Revision

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Wellcome Open Research
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Selected Research
Research Article  Open Access
Association between living with children, vaccination, and outcomes from COVID-19: an OpenSAFELY cohort study of 12 million adults in England during 2021–22 [version 1; peer review: awaiting peer review]
Thomas E Cowling * et al.
Abstract
Background: Living with children has been associated with greater risks of SARS-CoV-2 infection, COVID-19 hospitalisation, and COVID-19 death. We examined how these associations varied during 2021–22 and according to the COVID-19 vaccination status of adults.
Methods: We carried out a population-based cohort study, with the approval of NHS England. Primary care data and pseudonymously-linked hospital and death records from England, between 20th December 2020 and 21st February 2022, were used for adults (≥18 years) registered at a general practice on 20th December 2020. Adjusted hazard ratios (HRs) for SARS-CoV-2 infection, COVID-19 hospitalisation, or COVID-19 death, by presence of children in the household were calculated.
Results: The cohort included 9,417,278 adults aged ≤65 years and 2,866,602 adults aged >65 years. Adults aged ≤65 years living with children of any age (versus no children) had greater risks of SARS-CoV-2 infection and COVID-19 hospitalisation (but not COVID-19 death), both when schools were open and closed (e.g. HR=1.50, 95% CI:1.49-1.51, for SARS-CoV-2 infection in the ‘Omicron dominant’ period, when schools were open, in adults living with children aged 0–11 years only). These associations also existed for adults aged >65 years, and there was some evidence that adults living with children also had greater risks of COVID-19 death. Vaccinated adults living with children had greater risks of SARS-CoV-2 infection, but lower risks of COVID-19 hospitalisation and death, than unvaccinated adults not living with children.
Conclusions: In an era of widespread adult vaccination, adults living with children remained at increased risk of SARS-CoV-2 infection and COVID-19 hospitalisation.
Fake news, conspiracy theories, the shuttering of local newspapers, rumors of bizarre side effects from COVID vaccinations, and the erosion of basic trust in scientific facts increasingly distort our public debates. Experts have pointed to many root causes of these developments. These range from harmful social media business models to educational disparities to cynical political actors and more. While all these factors contribute in some ways to the country’s disinformation crisis, policymakers and civil society leaders lack a tool that can pinpoint where and how in the country individuals are most at risk.
July 13, 2023 News Release
A new report from KFF and The Joint United Nations Programme on HIV/AIDS (UNAIDS) reveals that donor governments disbursed US$8.2 billion in 2022 to combat HIV in low- and middle-income countries, returning to 2020 funding levels and still below the high-water mark of $8.6 billion in 2014. The funding supports...

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**Rand** [to 15 Jul 2023]
https://www.rand.org/pubs.html
*Published Research [Selected]*
*Journal Article*
**Unvaccinated Adolescents' COVID-19 Vaccine Intentions: Implications for Public Health Messaging**
COVID-19 vaccine uptake remains low for US adolescents and contributes to excess morbidity and mortality. We explored differences between vaccine-acceptant and vaccine-hesitant unvaccinated US adolescents using national survey data.
Jul 6, 2023
Grace W. Ryan, Natoshia M. Askelson, Kate R. Woodworth, Megan Lindley, Amber M. Gedlinske, Andrew M. Parker, Courtney A. Gidengil, Christine A. Petersen, Aaron M. Scherer

**Urban Institute** [to 15 Jul 2023]
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Vaccines and Global Health: The Week in Review is a service of the Center for Vaccine Ethics and Policy (CVEP) / GE2P2 Global Foundation, which is solely responsible for its content.

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