



Vaccines and Global Health: The Week in Review
21 March 2020 :: Number 544
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 also **posted in pdf form** and as a set of blog posts at <https://centerforvaccineethicsandpolicy.net>. This blog allows full-text searching of over 8,000 entries.*

Comments and suggestions should be directed to

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Request an email version: *Vaccines and Global Health: The Week in Review is published as a single email summary, scheduled for release each Saturday evening at midnight (EST/U.S.). If you would like to receive the email version, please send your request to david.r.curry@centerforvaccineethicsandpolicy.org.*

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Milestones :: Perspectives :: Research

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EMERGENCIES

Coronavirus [COVID-19]

Public Health Emergency of International Concern (PHEIC)

Editor's Note:

We certainly recognize the velocity of global developments in the COVID-19 pandemic. While we have concentrated the most current key reports just below, COVID-19 announcements, analysis and commentary will be found throughout this issue, in all sections.

Beyond the considerable continuing coverage in the global general media:

:: Daily WHO situation reports here: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports>

:: WHO Coronavirus disease (COVID-2019) daily press briefings here: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/media-resources/press-briefings>

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[Situation report - 60](#) [WHO]

Novel Coronavirus (COVID-19)

20 March 2020

[Excerpts]

SITUATION IN NUMBERS

Globally

234,073 confirmed (24 247)

9840 deaths (1061)

Western Pacific Region

93,349 confirmed (1016)

3405 deaths (28)

European Region

104,591 confirmed (17 506)

4899 deaths (816)

South-East Asia Region

918 confirmed (261)

31 deaths (8)

Eastern Mediterranean Region

20,759 confirmed (1254)

1312 deaths (151)

Region of the Americas

13,271 confirmed (4104)

178 deaths (57)

African Region

473 confirmed (106)

8 deaths (1)

WHO RISK ASSESSMENT

Global Level – Very High

HIGHLIGHTS

:: Six new countries/territories/areas (African Region [2], and Region of the Americas [2], and Western Pacific Region [2]) have reported cases of COVID-19.

:: To increase access to reliable information, WHO has partnered with WhatsApp and Facebook to launch a WHO Health Alert messaging service. This service will provide the latest news and information on COVID-19, including details on symptoms and how people can protect themselves. The Health Alert service is now available in English and will be introduced in other languages next week. To access it, send the word "hi" to the following number on WhatsApp: +41 798 931 892.

:: The first vaccine trial has begun just 60 days after the genetic sequence of the virus was shared by China. This is an incredible achievement. To ensure clear evidence of which treatments are most effective, WHO and its partners are organizing a large international study, called the Solidarity Trial, in many countries to compare different treatments.

:: WHO and Global Citizen launched #TogetherAtHome, a virtual, no-contact concert series to promote physical distancing and action for global health. Chris Martin, lead singer of Coldplay, kicked it off earlier this week with a performance from his home. More Solidarity Sessions are planned to promote health, show support for people who are staying at home to protect themselves and others from COVID-19, and encourage donations to the COVID-19 Solidarity Response Fund.

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[NIH clinical trial of investigational vaccine for COVID-19 begins](#)

March 16, 2020 — *Study enrolling Seattle-based healthy adult volunteers.*

A Phase 1 clinical trial evaluating an investigational vaccine designed to protect against coronavirus disease 2019 (COVID-19) has begun at Kaiser Permanente Washington Health Research Institute (KPWHRI) in Seattle. The National Institute of Allergy and Infectious Diseases (NIAID), part of the National Institutes of Health, is funding the trial. KPWHRI is part of NIAID's Infectious Diseases Clinical Research Consortium. The open-label trial will enroll 45 healthy adult volunteers ages 18 to 55 years over approximately 6 weeks. The first participant received the investigational vaccine today.

The study is evaluating different doses of the experimental vaccine for safety and its ability to induce an immune response in participants. This is the first of multiple steps in the clinical trial process for evaluating the potential benefit of the vaccine.

The vaccine is called mRNA-1273 and was developed by NIAID scientists and their collaborators at the biotechnology company Moderna, Inc., based in Cambridge, Massachusetts. The Coalition for Epidemic Preparedness Innovations (CEPI) supported the manufacturing of the vaccine candidate for the Phase 1 clinical trial.

"Finding a safe and effective vaccine to prevent infection with SARS-CoV-2 is an urgent public health priority," said NIAID Director Anthony S. Fauci, M.D. "This Phase 1 study, launched in record speed, is an important first step toward achieving that goal."

...Currently, no approved vaccines exist to prevent infection with SARS-CoV-2. The investigational vaccine was developed using a genetic platform called mRNA (messenger RNA). The investigational vaccine directs the body's cells to express a virus protein that it is hoped will elicit a robust immune response. The mRNA-1273 vaccine has shown promise in animal models, and this is the first trial to examine it in humans...

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Milken Institute launches COVID-19 treatment and vaccine tracker

Publicly available resource monitors development of therapies to treat and prevent disease
March 19, 2020 08:45 AM Eastern Daylight Time

WASHINGTON--(BUSINESS WIRE)--The Milken Institute is launching a resource to help the public and policymakers track progress in the development of treatments and vaccines for COVID-19.

The tracker is available online at <https://milkeninstitute.org/covid-19-tracker>. It is developed and maintained by FasterCures, a center of the Milken Institute, with an Advisory Council comprised of a Nobel Laureate researcher, former FDA chiefs, and industry leaders..

The Milken Institute COVID-19 vaccine development and treatment tracker is compiled from publicly available sources. It will grow to include FDA-approved indications where applicable, as well as basic information about the focus of each clinical trial...

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ICC-WHO Joint Statement: An unprecedented private sector call to action to tackle COVID-19

16 March 2020 *Statement*

In a coordinated effort to combat the coronavirus COVID-19 pandemic, the International Chamber of Commerce (ICC) and the World Health Organization (WHO) have agreed to work closely to ensure the latest and most reliable information and tailored guidance reaches the global business community.

The COVID-19 pandemic is a global health and societal emergency that requires effective immediate action by governments, individuals and businesses. All businesses have a key role to

play in minimising the likelihood of transmission and impact on society. Early, bold and effective action will reduce short- term risks to employees and long-term costs to businesses and the economy.

To aid this collective effort, ICC will regularly send updated advice to its network of over 45 million businesses so that businesses everywhere can take informed and effective action to protect their workers, customers and local communities and contribute to the production and distribution of essential supplies.

ICC will also contribute to enhancing information flows on the coronavirus outbreak by surveying its global private sector network to map the global business response. This will both encourage businesses to adopt appropriate precautionary approaches and generate new data and insights to support national and international government efforts.

As an immediate priority, businesses should be developing or updating, readying or implementing business continuity plans. Business continuity plans should aim to reduce transmission, including by: promoting understanding of the disease, its symptoms and appropriate behavior among employees; setting up a reporting system for any cases and contacts; preparing essentials; limiting travel and physical connectivity; and planning for measures such as teleworking when necessary.

Calls to Action

:: ICC strongly endorses WHO's call on national governments everywhere to adopt a whole-of-government and whole-of-society approach in responding to the COVID-19 pandemic. Reducing the further spread of COVID-19 and mitigating its impact should be a top priority for Heads of State and Government. Political action should be coordinated with actors in the private sector and civil society to maximize reach of messaging and effectiveness.

:: Governments should commit to making available all necessary resources to combat COVID-19 with the minimum of delay and to ensure that cross-border medical and other essential goods supply chains are able to function effectively and efficiently

:: ICC and the WHO encourage national chambers of commerce to work closely with UN country teams, including WHO country offices where they exist, and to designate mutual focal points to coordinate this collaboration.

:: ICC encourages its members to support their country's national response efforts and to contribute to the global response efforts coordinated by the WHO through <http://www.covid19responsefund.org>.

As the pandemic evolves, ICC Secretary General John W.H Denton AO and WHO Director General Dr Tedros Adhanom Ghebreyesus will continue to coordinate their efforts.

Essential information on the COVID-19 pandemic can be found on the WHO's [dedicated site](#).



Emergencies

Ebola – DRC+

Public Health Emergency of International Concern (PHEIC)

Ebola Outbreak in DRC 84: 17 March 2020

[Excerpts]

Situation Update

There have been no new cases of Ebola virus disease (EVD) reported since 17 February 2020. On 3 March 2020, the only person confirmed to have EVD in the last 21 days (Figure 1) was discharged from an Ebola Treatment Centre after recovering and testing negative twice for the virus. On 9 March, the last 46 contacts finished their follow-up. These are important milestones in the outbreak. However, there is still a high risk of re-emergence of EVD, and a critical need to maintain response operations to rapidly detect and respond to any new cases, to prioritize ongoing support and health monitoring for survivors – as outlined in the WHO recommended criteria for declaring the end of the EVD outbreak....

...Conclusion

Given the long duration and large magnitude of the Ebola outbreak in the Democratic Republic of the Congo, there is a high risk of re-emergence of the virus during the lead up to the declaration of the end of the outbreak, and for several months following that declaration. These risks are exacerbated by potential limitations (e.g. shortages funding, access to communities, competing health emergencies) imposed on the response. To mitigate the risk of re-emergence, it is critical to maintain surveillance and rapid response capacities, and to prioritize survivor care and the maintenance of cooperative relationships with survivors' associations during and well beyond the 42 days lead up to the end of outbreak declaration.

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Emergencies

POLIO

Public Health Emergency of International Concern (PHEIC)

Polio this week as of 18 March 2020

:: The COVID -19 pandemic response requires worldwide solidarity and an urgent global effort. The Global Polio Eradication Initiative (GPEI), with thousands of polio workers, and an extensive laboratory and surveillance network, has a moral imperative to ensure that these resources are used to support countries in their preparedness and response. *[See below]*

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

- :: **Pakistan:** five WPV1 cases, three WPV1 positive environmental samples and 13 cVDPV2 cases
- :: **Angola:** one cVDPV2 case
- :: **Chad:** two cVDPV2 cases
- :: **Côte d'Ivoire:** one cVDPV2 case and one cVDPV2 positive environmental sample
- :: **Malaysia:** one cVDPV1 case

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GPEI statement on COVID-19

A moral imperative to stand together

18/03/2020

The COVID -19 pandemic response requires worldwide solidarity and an urgent global effort. The Global Polio Eradication Initiative (GPEI), with thousands of polio workers, and an extensive laboratory and surveillance network, has a moral imperative to ensure that these resources are used to support countries in their preparedness and response.

In Nigeria, Pakistan and Afghanistan, where polio personnel and assets have a significant footprint, workers from all GPEI partners are pitching in with COVID-19 surveillance, health worker training, contact tracing, risk communications and more. The US Centers for Disease Control and Prevention, a core GPEI partner, has deployed Stop Transmission of Polio programme (STOP) volunteers already working on polio eradication in 13 countries, to COVID-19 preparations and response.

We recognise that the COVID-19 emergency means that some aspects of polio eradication programme will be affected. GPEI is currently finalising operational guidelines and contingency plans for the polio eradication programme to determine what assets can be deployed to COVID-19 preparedness and response and to identify which critical activities must continue if polio eradication is not to lose ground. We will continue to communicate on plans as they evolve.

In solidarity with the most vulnerable, the polio programme will share its assets to ensure this new epidemic is defeated as quickly as possible. Our commitment to eradication is firm; our commitment to stand together against COVID-19 is now.

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WHO Grade 3 Emergencies [to 21 Mar 2020]

Democratic Republic of the Congo

:: Ebola Outbreak in DRC 84: 17 March 2020

[See Ebola above for detail]

Nigeria - *No new digest announcements identified*

Mozambique floods - *No new digest announcements identified*

Somalia - *No new digest announcements identified*

South Sudan - *No new digest announcements identified*

Syrian Arab Republic - *No new digest announcements identified*

Yemen - *No new digest announcements identified*

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WHO Grade 2 Emergencies [to 21 Mar 2020]

Iraq

:: WHO technical mission visits Iraq to step up COVID-19 detection and response activities

Baghdad, Iraq, 15 March 2020 – A high-level technical mission from the World Health Organization (WHO) concluded a visit to Iraq to support the Iraqi Ministry of Health response to COVID-19 prevention and containment measures.

Afghanistan - *No new digest announcements identified*
Angola - *No new digest announcements identified*
Burkina Faso [in French] - *No new digest announcements identified*
Burundi - *No new digest announcements identified*
Cameroon - *No new digest announcements identified*
Central African Republic - *No new digest announcements identified*
Ethiopia - *No new digest announcements identified*
HIV in Pakistan - *No new digest announcements identified*
Iran - *No new digest announcements identified*
Libya - *No new digest announcements identified*
Malawi - *No new digest announcements identified*
Measles in Europe - *No new digest announcements identified*
MERS-CoV - *No new digest announcements identified*
Myanmar - *No new digest announcements identified*
Niger - *No new digest announcements identified*
occupied Palestinian territory - *No new digest announcements identified*
Sudan - *No new digest announcements identified*
Ukraine - *No new digest announcements identified*
Zimbabwe - *No new digest announcements identified*

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WHO Grade 1 Emergencies [to 21 Mar 2020]

Chad - *No new digest announcements identified*
Djibouti - *No new digest announcements identified*
Kenya - *No new digest announcements identified*
Mali - *No new digest announcements identified*
Namibia - viral hepatitis - *No new digest announcements identified*
Tanzania - *No new digest announcements identified*

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UN OCHA – L3 Emergencies

The UN and its humanitarian partners are currently responding to three 'L3' emergencies. This is the global humanitarian system's classification for the response to the most severe, large-scale humanitarian crises.

Syrian Arab Republic - *No new digest announcements identified*
Yemen - *No new digest announcements identified*

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UN OCHA – Corporate Emergencies

When the USG/ERC declares a Corporate Emergency Response, all OCHA offices, branches and sections provide their full support to response activities both at HQ and in the field.

CYCLONE IDAI and Kenneth

14 Mar 2020

Mozambique: One year after Cyclone Idai, humanitarian assistance is still urgent

EBOLA OUTBREAK IN THE DRC - No new digest announcements identified

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WHO & Regional Offices [to 21 Mar 2020]

16 March 2020 *Statement*

ICC-WHO Joint Statement: An unprecedented private sector call to action to tackle COVID-19

[See Milestones above for detail]

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Weekly Epidemiological Record, 20 March 2020, vol. 95, 12 (pp. 105–116)

105 Recommended composition of influenza virus vaccines for use in the 2020–2021 northern hemisphere influenza season

116 COVID-19 update

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WHO Regional Offices

Selected Press Releases, Announcements

WHO African Region AFRO

:: Borno closes Lassa fever outbreak, briefs Media on COVID-19

Maiduguri, 21 March, 2020 - Following concerted partners' response, led by the World Health Organization, the Commissioner for Health, Dr. Salihu Kwayabura has declared an end of Lassa fever outbreak in Borno State. The current outbreak, which was the second in almost five decades, was isolated from a 30-year old man from Garba Buzu settlement in Maiduguri Metropolitan Council on 23 January 2020.

:: More than 600 confirmed cases of COVID-19 in Africa 19 March 2020

More than 600 cases of COVID-19 have been confirmed in 34 countries in Africa as of 19 March, compared with 147 cases one week ago. Although the region has seen a significant increase in confirmed cases recently, there are still fewer cases than in other parts of the world.

WHO Region of the Americas PAHO

:: Tuberculosis and COVID-19: What health workers and authorities need to know (03/20/2020)

:: PAHO Director to Health Ministers- "Reorganize health services to care for COVID-19 patients and save lives" (03/18/2020)

WHO South-East Asia Region SEARO

:: WHO calls for urgent, aggressive actions to combat COVID-19, as cases soar in South-East Asia Region 17 March 2020 News release

WHO European Region EURO

- :: [World Water Day 2020 highlights the essential role of handwashing](#) 20-03-2020
- :: [Global solidarity across countries and continents needed to fight COVID-19](#) 19-03-2020
- :: [Moving towards a multisectoral approach to tackling antimicrobial resistance](#) 19-03-2020
- :: [Every country needs to take boldest actions to stop COVID-19](#) 17-03-2020
- :: [SCRC statement on COVID-19 situation in Europe](#) 13-03-2020

WHO Eastern Mediterranean Region EMRO

:: [Djibouti joins global action to prevent COVID-19 as first case is confirmed in the country](#)
Djibouti City, 18 March 2020 - The Ministry of Health of Djibouti has confirmed the country's first case of COVID-19. Health authorities reported the patient as a Spanish national who arrived on a military flight and was directly put in quarantine with no contact with the Djiboutian population. Other Spanish military passengers are being quarantined with support from the French...

:: [Statement by the Regional Director Dr Ahmed Al-Mandhari on COVID-19 in the Eastern Mediterranean Region](#)

Press conference, 18 March 2020 Dear colleagues and friends, Thank you for joining us here again today for the latest updates on COVID-19, as well as updates on some the work that has been happening on a regional level to help countries manage this pandemic. In the past weeks since many of you were last here, there has been many developments in terms...

WHO Western Pacific Region

No new digest content identified.

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CDC/ACIP [to 21 Mar 2020]

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

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

Latest News Releases

No new digest content identified.

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Africa CDC [to 21 Mar 2020]

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

News

Outbreak: Update on the ongoing Novel Coronavirus Global Epidemic (Issue 9, 17 March 2020)

...As of 17 March 2020, 443 total COVID-19 cases have been reported in 30 African countries. A total of 10 deaths have been reported from four African countries. Africa CDC is working with all affected countries and is mobilizing laboratory, surveillance, and other response support where requested...

Africa CDC Response: *[Excerpt]*

General activities

- 1) Africa CDC activated its Emergency Operations Center and its Incident Management System (IMS) for the COVID-19 outbreak on 27 January 2020. Africa CDC has developed its third Incident Action Plan that covers the period between 16 March to 15 April 2020.
- 2) The Africa Union Ministers of Health gathered in Addis Ababa, Ethiopia, on 22 February for an emergency COVID-19 meeting where they agreed upon a joint continental strategy and guidance for assessment, movement restrictions, and monitoring of people at risk for COVID-19, including people being repatriated from China.
- 3) Africa CDC is holding weekly updates with national public health institutes in Member States and has formed working groups for high priority areas of coronavirus control, including: surveillance; laboratory diagnosis; infection prevention and control; clinical care; and risk communication.
- 4) Three experts each have been deployed to Cameroon and Nigeria and to support COVID-19 outbreak response efforts.
- 5) Response simulation exercises (i.e., 'table top' exercises for high-level coordination) are being initiated, including an initial simulation conducted with a group of ~10 West African Countries in partnership with WAHO.
- 6) Africa CDC is working to procure emergency medical equipment stockpiles including diagnostics (over 6,000 test kits), PPE, thermal scanners and other critical equipment that can be used to rapidly equip countries in the event of rapid onset of cases.
- 7) Twenty-four volunteers have been recruited to support various response activities with more in-process of recruitment.
- 8) Africa CDC gave an orientation to the African Union Commission staff on the epidemiological situation, Africa CDC efforts, and the precautions that staff members should take to prevent themselves and others from getting infected by COVID-19. A social distancing police was issued by AUC to avoid big gatherings and meetings in the AUC facilities...

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China CDC

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

No new digest content identified.

National Health Commission of the People's Republic of China

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

News

[Xi vows more cooperation internationally to control rapid spread of disease](#)

2020-03-21

China vows closer international cooperation with Russia and other countries to control the novel coronavirus pneumonia pandemic, which experts say further demonstrates its vision of building a community with a shared future for mankind...

[No new local virus infections for 3 straight days in mainland](#)

2020-03-21

The Chinese mainland has seen no homegrown infections of COVID-19, a disease caused by a novel coronavirus, for three straight days, as the latest data of the National Health Commission showed.

Imported cases, however, keep increasing and are on a generally upward trend in the past week despite fluctuations.

The daily increase of imported cases reached a record high of 41, bringing up the caseload on the Chinese mainland to 81,008, the commission said.

To date, 269 imported cases have been counted...

[China returns solidarity with Europe in COVID-19 battle](#)

2020-03-21

[China ready to help Britain in COVID-19 fight: Chinese FM](#)

2020-03-21

[Beijing: 149 designated medical observation sites for inbound travelers from overseas](#)

2020-03-21

[Chinese health experts provide guidance and medical assistance to contain COVID-19 outbreak in Iraq](#)

2020-03-21

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Announcements

Paul G. Allen Frontiers Group [to 21 Mar 2020]

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

Press Release

No new digest content identified.

BMGF - Gates Foundation [to 21 Mar 2020]

<http://www.gatesfoundation.org/Media-Center/Press-Releases>

No new digest content identified.

Bill & Melinda Gates Medical Research Institute [to 21 Mar 2020]

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

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

No new digest content identified.

CARB-X [to 21 Mar 2020]

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

CARB-X is a non-profit public-private partnership dedicated to accelerating antibacterial research to tackle the global rising threat of drug-resistant bacteria.

No new digest content identified.

CEPI – Coalition for Epidemic Preparedness Innovations [to 21 Mar 2020]

<http://cepi.net/>

Latest News

[CEPI collaborates with the Institut Pasteur in a consortium to develop COVID-19 vaccine](#)

Led by the Institut Pasteur and including Themis and the University of Pittsburgh, the consortium becomes CEPI's eighth COVID-19 vaccine development programme.

News 19 Mar 2020

[CEPI partners with University of Hong Kong to develop COVID-19 vaccine](#)

Partnership becomes seventh COVID-19 vaccine development project that CEPI has signed since Jan 23, 2020.

News 18 Mar 2020

Clinton Health Access Initiative, Inc. (CHAI) [to 21 Mar 2020]

<https://clintonhealthaccess.org/>

News & Press Releases

No new digest content identified.

EDCTP [to 21 Mar 2020]

<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

Latest news

No new digest content identified.

Emory Vaccine Center [to 21 Mar 2020]

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

No new digest content identified.

European Medicines Agency [to 21 Mar 2020]

<http://www.ema.europa.eu/ema/>

News & Press Releases

[Guidance to sponsors on how to manage clinical trials during the COVID-19 pandemic](#)

Press release 20/03/2020

The European Commission, the European Medicines Agency (EMA) and national Head of Medicines Agencies (HMA) have published new recommendations for sponsors on how to manage the conduct of clinical trials in the context of the coronavirus disease (COVID-19)

pandemic. The impact of the pandemic on European health systems and more broadly on society, will make it necessary for sponsors to adjust how they manage clinical trials and the people who participate in these trials.

The guidance provides concrete information on changes and protocol deviations which may be needed in the conduct of clinical trials to deal with extraordinary situations, e.g. if trial participants need to be in self-isolation or quarantine, access to public places (including hospitals) is limited due to the risk of spreading infections, and healthcare professionals are being reallocated...

Press release:

[Call to pool research resources into large multi-centre, multi-arm clinical trials to generate sound evidence on COVID-19 treatments](#)

Last updated: 19/03/2020

EMA's Human Medicines Committee (CHMP) has published a statement urging the EU research community to prioritise large randomised controlled studies because they are most likely to generate the conclusive evidence needed to enable rapid development and approval of potential treatments of COVID-19. The statement promotes a harmonised approach to data collection and a robust methodology for COVID-19 clinical trials across the EU to make best use of the available supply of investigational agents. It emphasises the need to include all EU countries in these trials.

News:

[First regulatory workshop on COVID-19 facilitates global collaboration on vaccine development](#)

Last updated: 18/03/2020

Today, the first global regulatory workshop on COVID-19 was convened under the umbrella of the International Coalition of Medicines Regulatory Authorities (ICMRA). The virtual meeting brought together delegates from 17 different countries, representing more than 20 medicines regulatory authorities globally, as well as experts from the World Health Organization and the European Commission, to discuss the development of vaccines against COVID-19. The event was co-chaired by the European Medicines Agency (EMA) and the US Food and Drug Administration (FDA)...

European Vaccine Initiative [to 21 Mar 2020]

<http://www.euvaccine.eu/news-events>

Latest News

[Vaccine development services: COVID19 vaccine projects encouraged to apply](#)

16 March 2020

Researchers developing vaccine candidates against COVID19 can benefit from TRANSVAC2 services

FDA [to 21 Mar 2020]

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

Press Announcements

[March 20, 2020 - Coronavirus \(COVID-19\) Update: FDA Alerts Consumers About Unauthorized Fraudulent COVID-19 Test Kits](#)

[March 20, 2020 - Coronavirus \(COVID-19\) Update: FDA allows expanded use of devices to monitor patients' vital signs remotely](#)

[March 20, 2020 - Coronavirus \(COVID-19\) Update: FDA provides guidance on production of alcohol-based hand sanitizer to help boost supply, protect public health](#)

[March 19, 2020 - Coronavirus \(COVID-19\) Update: FDA Continues to Facilitate Development of Treatments](#)

[March 19, 2020 - Coronavirus \(COVID-19\) Update: Blood Donations](#)

[March 19, 2020 - FDA Approves New Treatment for Pediatric Patients with Any Strain of Hepatitis C](#)

[March 18, 2020 - Coronavirus \(COVID-19\) Update: FDA Focuses on Safety of Regulated Products While Scaling Back Domestic Inspections](#)

[March 18, 2020 - Coronavirus \(COVID-19\) Update: FDA Issues Guidance for Conducting Clinical Trials](#)

he U.S. Food and Drug Administration today issued a guidance for industry, investigators and institutional review boards conducting clinical trials during the coronavirus (COVID-19) pandemic...

[March 17, 2020 - Coronavirus \(COVID-19\) Update: FDA Issues Temporary Policy for FSMA Onsite Audit Requirements](#)

Fondation Merieux [to 21 Mar 2020]

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

News, Events

No new digest content identified.

Gavi [to 21 Mar 2020]

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

Stories

21 March 2020

[Gavi Board calls for bold engagement to respond to COVID-19](#)

Geneva, 21 March 2020 – With the COVID-19 pandemic already affecting 47 Gavi-supported countries, Gavi, the Vaccine Alliance has already taken new steps to help strengthen the preparedness of health systems in lower-income countries with the full support of its Board. Gavi will also be working closely with WHO, CEPI, World Bank, UNICEF and other partners to create the optimal conditions for the acceleration of priority candidate vaccines with a focus on access including assuring adequate scale up of production and delivery to be sure the vaccine gets to where it is needed to stem the pandemic.

“We have already seen the impact COVID-19 can have on health systems in wealthier countries; in countries with already fragile health systems it could be catastrophic,” said Dr Ngozi Okonjo-Iweala, Chair of the Gavi Board during a meeting on Thursday. “As has become brutally clear in recent months, this disease doesn’t respect borders, which is why it will take a truly global response to defeat it. Gavi is making funding immediately available for lower-income countries to respond to the crisis. Routine immunisation against other deadly diseases like measles, yellow fever and diphtheria also must continue – we cannot have two global outbreaks on our hands.”...

GHIT Fund [to 21 Mar 2020]

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

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

Global Fund [to 21 Mar 2020]

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

News & Stories

Funding Model

[Building High-Quality Grants](#)

20 March 2020

News

[Global Fund Supports 11 Countries in Response to COVID-19](#)

20 March 2020

GENEVA – The Global Fund announced today that 11 countries have so far used financial assistance from the Global Fund in response to the COVID-19 pandemic.

Working within its mandate to fight HIV, tuberculosis and malaria and to strengthen systems for health, the Global Fund issued new guidelines earlier this month to provide flexibility for countries to use up to 5% of approved grants to fight COVID-19 and to mitigate the potential consequences of the pandemic on existing programs to fight HIV, TB and malaria...

Sourcing & Management of Health Products

[COVID-19 Procurement and Supply Update for Global Fund Principal Recipients](#)

19 March 2020

Video

[COVID-19 Pandemic: Statement from Executive Director Peter Sands](#)

19 March 2020

Hilleman Laboratories [to 21 Mar 2020]

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

No new digest content identified.

Human Vaccines Project [to 21 Mar 2020]

<http://www.humanvaccinesproject.org/media/press-releases/>
Press Releases
No new digest content identified.

IAVI [to 21 Mar 2020]

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

Press Releases

March 5, 2020

[IAVI and Batavia Biosciences Announce Collaboration on VSV-vector Based Epidemic Preparedness Vaccines](#)

Mutual expertise drives innovations to address supply issues for vaccines for outbreak pathogens

International Coalition of Medicines Regulatory Authorities [ICMRA]

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

Selected Statements, Press Releases, Research

No new digest content identified.

International Generic and Biosimilar Medicines Association [IGBA]

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

News

[COVID-19: Critical to keep the supply chain of essential medicines manufacturing operating at full capacity \(March 2020\)](#)

IGBA, the International Generic and Biosimilar medicines Association (IGBA), representing global manufacturers of generic and biosimilar medicines, today calls upon the global policy leaders and governments to do everything in their power to keep the manufacturing operations and the supply chain of essential medicines operating at full capacity. This will allow our companies to continue to produce much needed critical medicines. While we support the need to protect healthcare workers and to provide hospitals with essential materials, putting unreasonable restrictions on exports of essential medical supplies or medicines will do more harm than good at this time of urgent need.

IFFIm

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

No new digest content identified.

IFRC [to 21 Mar 2020]

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

Selected Press Releases, Announcements

No new digest content identified.

IVAC [to 21 Mar 2020]

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

Updates

[COVID-19 Questions Answered: IVAC-Affiliated Experts Give Their Take on the Challenges with Infection Control](#)

March 2020

As coronavirus-related facts change by the day or hour, International Vaccine Access Center experts in epidemiology, vaccine development, economics, policy, and behavioral science are called upon to analyze current events and predict what's ahead. Here is a round robin on the latest with the pandemic and what our people are doing to support a rapid [...]

IVI [to 21 Mar 2020]

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

Selected IVI News & Announcements

[IVI at work on COVID-19](#)

[undated]

As COVID-19 continues to disrupt communities around the world, IVI remains committed to our mission to protect the world's most vulnerable people from vaccine-preventable diseases by developing safe, effective, and affordable vaccines for global health. We do this for diseases like cholera and typhoid, as well as emerging infectious diseases.

Here's how we're accelerating vaccines against COVID-19:

:: Development of an international standard laboratory vaccine effectiveness evaluation platform for multiple vaccine development groups:

. VSV-receptor binding domain vaccine with Sumagen, a Korean biotech company

. COVID DNA vaccine in a consortium of 6 organizations led by Genexine with IVI, Binex, GenNBio, Korea Advanced Institute of Science and Technology, Pohang University of Science and Technology) with plans to start clinical trials in July 2020

:: Progress with CEPI for IVI as a clinical partner for CEPI-supported vaccine candidates

:: In the process of obtaining funding for enhanced COVID-19 surveillance at existing IVI work sites that conduct febrile surveillance for typhoid in Ghana, the Democratic Republic of Congo, Nigeria, Madagascar, Burkina Faso, Mozambique and Ethiopia.

JEE Alliance [to 21 Mar 2020]

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

Selected News and Events

No new digest content identified.

MSF/Médecins Sans Frontières [to 21 Mar 2020]

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

Latest [Selected Announcements]

Burkina Faso

[Four questions on the unprecedented humanitarian emergency...](#)

Interview 20 Mar 2020

Coronavirus disease COVID-19

["Our priority is to protect hospital staff" where COVID-19 began in Italy](#)

Project Update 20 Mar 2020

Coronavirus disease COVID-19

[Vulnerable communities are bracing for impact of COVID-19](#)

Op-Ed 20 Mar 2020

Coronavirus disease COVID-19

[As COVID-19 continues to spread, MSF prepares for action in France](#)

Press Release 18 Mar 2020

Syria

[People in northwest Syria continue to struggle despite truce](#)

Project Update 17 Mar 2020

South Sudan

[Huge numbers of wounded and displaced as violence continues in J...](#)

Press Release 17 Mar 2020

Coronavirus disease COVID-19

[Help and solidarity needed in Europe to protect medical staff fr...](#)

Press Release 16 Mar 2020

Coronavirus disease COVID-19

[Challenges in supporting COVID-19 response](#)

Interview 16 Mar 2020

National Vaccine Program Office - U.S. HHS [to 21 Mar 2020]

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

NVAC 2020 Meetings

[June 9-10, 2020 NVAC Meeting](#)

[September 23-24, 2020 Meeting \(Virtual\)](#)

NIH [to 21 Mar 2020]

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

Selected News Releases

[NIH shifts non-mission-critical laboratory operations to minimal maintenance phase](#)

March 20, 2020 — Only mission-critical functions within NIH research laboratories will be supported.

[New coronavirus stable for hours on surfaces](#)

March 17, 2020 — SARS-CoV-2 stability similar to original SARS virus.

[NIH clinical trial of investigational vaccine for COVID-19 begins](#)

March 16, 2020 — Study enrolling Seattle-based healthy adult volunteers.

[See Milestones above for detail]

[NIH Reports First Known Employee with COVID-19 Infection](#)

March 15, 2020 — Individual is self-quarantined and staff who work in close proximity have been notified, asked to self-quarantine, and will be screened for COVID-19.

PATH [to 21 Mar 2020]

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

Selected Announcements

No new digest content identified.

Sabin Vaccine Institute [to 21 Mar 2020]

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

Statements and Press Releases

No new digest content identified.

UNAIDS [to 21 Mar 2020]

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

Selected Press Releases/Reports/Statements

20 March 2020

[Chains of solidarity and kindness during the COVID-19 outbreak](#)

UNICEF [to 21 Mar 2020]

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

Press release

[World Poetry Day: Young people in war zones across the world share heart-wrenching poems calling for peace](#)

As the world battles COVID-19, peace in countries affected by conflict is critical, warns UNICEF
21/03/2020

Statement

[COVID-19 does not discriminate; nor should our response](#)

Statement by the United Nations Network on Migration

20/03/2020

Press release

[COVID-19: Children at heightened risk of abuse, neglect, exploitation and violence amidst intensifying containment measures](#)

Newly released technical guidance aims to help authorities strengthen protection measures for children during pandemic

NEW YORK, 20 March 2020 – Hundreds of millions of children around the world will likely face increasing threats to their safety and wellbeing – including mistreatment, gender-based violence, exploitation, social exclusion and separation from caregivers – because of actions taken to contain the spread of the COVID-19 pandemic. UNICEF is urging governments to ensure the safety and wellbeing of children amidst the intensifying socioeconomic fallout from

the disease. The UN children's agency, together with its partners at the Alliance for Child Protection in Humanitarian Action, has released a [set of guidance](#) to support authorities and organizations involved in the response.

In a matter of months, COVID-19 has upended the lives of children and families across the globe. School closures and movement restrictions are disrupting children's routines and support systems. They are also adding new stressors on caregivers who may have to forgo work.

Stigma related to COVID-19 has left some children more vulnerable to violence and psychosocial distress. At the same time, control measures that do not account for the gender-specific needs and vulnerabilities of women and girls may also increase their risk of sexual exploitation, abuse and child marriage. Recent anecdotal evidence from China, for instance, points to a significant rise in cases of domestic violence against women and girls.

"In many ways, the disease is now reaching children and families far beyond those it directly infects," said Cornelius Williams, UNICEF Chief of Child Protection. "Schools are closing. Parents are struggling to care for their children and make ends meet. The protection risks for children are mounting. This guidance provides governments and protection authorities with an outline of practical measures that can be taken to keep children safe during these uncertain times."

Increased rates of abuse and exploitation of children have occurred during previous public health emergencies. School closures during the outbreak of Ebola virus disease in West Africa from 2014 to 2016, for example, contributed to spikes in child labor, neglect, sexual abuse and teenage pregnancies. In Sierra Leone, cases of teenage pregnancy more than doubled to 14,000 from before the outbreak.

As part of the guidance, the Alliance is recommending that governments and protection authorities take concrete steps to ensure protection of children is integral to all COVID-19 prevention and control measures, including:

- :: Train health, education and child services staff on COVID-19 related child protection risks, including on the prevention of sexual exploitation and abuse and how to safely report concerns;
- :: Train first responders on how to manage disclosure of gender-based violence ([GBV Pocket Guide](#)), and collaborate with healthcare services to support GBV survivors;
- Increase information sharing on referral and other support services available for children;
- :: Engage children, particularly adolescents, in assessing how COVID-19 affects them differently to inform programming and advocacy;
- :: Provide targeted support to interim care centres and families, including child-headed households and foster families, to emotionally support children and engage in appropriate self-care;
- :: Provide financial and material assistance to families whose income generating opportunities have been affected; and
- :: Put in place concrete measures to prevent child-family separation, and ensure support for children left alone without adequate care due to the hospitalization or death of a parent or caregiver; and
- :: Ensure the protection of all children is given the utmost consideration in disease control measures.

Statement

[Statement by UNICEF Executive Director Henrietta Fore on the COVID-19 pandemic](#)

NEW YORK, 18 March 2020 – “One week since COVID-19 was declared a pandemic, the number of cases continues to soar around the world. Hundreds of millions of children are not in school. Parents and caregivers are working remotely whenever they can. Borders have been closed. Lives have been upended.

“These are uncharted waters for all of us. At UNICEF, we are fighting a new virus, debunking myths and battling misinformation, all while looking after the well-being of our staff and our own families.

“Our life-saving work to provide children with health, education, nutrition and protection has never been more critical. With millions of children uprooted, affected by wars, dying from preventable causes, out of school, or missing out on essential vaccines, the need for support has never been greater.

“UNICEF is working to help prevent the spread of the virus among communities in the affected countries. We are sharing accurate information on how to keep families safe, providing hygiene and medical kits to schools and health clinics, and mitigating the impact of the outbreak on children’s access to health, education and social services.

“Now more than ever, we count on our donors to continue supporting our mission for those with nothing and no one – despite these difficult times.

Press release

[One year after Cyclone Idai, 2.5 million people in Mozambique remain in need of humanitarian assistance](#)

UNICEF prepares for more frequent and ferocious disasters as a result of the climate crisis
17/03/2020

Press release

[Almost 5 million children born into war in Syria, 1 million born as refugees in neighbouring countries](#)

Over 9,000 children killed or injured in the conflict, according to verified data, with an average of one child killed every 10 hours since monitoring began
15/03/2020

Vaccination Acceptance Research Network (VARN) [to 21 Mar 2020]

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

Announcements

No new digest content identified.

Vaccine Confidence Project [to 21 Mar 2020]

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

Latest News & Archive

No new digest content identified.

Vaccine Education Center – Children’s Hospital of Philadelphia [to 21 Mar 2020]

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

Coronavirus Updates

[Frequently Asked Questions about Coronavirus Disease 2019 \(COVID-19\)](#)

Last Updated: March 19, 2020

Get some fast facts about the coronavirus from CHOP and the CDC. The CDC will provide updated information as it becomes available.

Wellcome Trust [to 21 Mar 2020]

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

Opinion | 18 March 2020

[Urgent investment needed for diagnostics, treatments and vaccines to end the COVID-19 pandemic](#)

Alex Harris, Head of Global Policy and Advocacy team, Wellcome

Now is not the time to make cautious investments: now is the time for courageous action to tackle coronavirus (COVID-19).

The Wistar Institute [to 21 Mar 2020]

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

Press Releases

No new digest content identified.

WFPHA: World Federation of Public Health Associations [to 21 Mar 2020]

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

Latest News

No new digest content identified.

World Organisation for Animal Health (OIE) [to 21 Mar 2020]

<https://www.oie.int/en/for-the-media/press-releases/2020/>

Press Releases

[COVID-19 and veterinary activities designated as essential](#)

OIE/WVA Joint Statement

In the framework of the COVID-19 pandemic, the World Organisation for Animal Health (OIE) and the World Veterinary Association (WVA) jointly draw attention to the roles and responsibilities of the veterinary profession for public health. They highlight the specific veterinary activities which are key to ensure a continuum in food safety, disease prevention and emergency management.

Paris, 18 March 2020 - To effectively tackle the challenges posed by the COVID-19 pandemic, many governments around the world have taken restrictive measures to close non-essential businesses. These decisions raise questions regarding potential adaptations that need to be implemented by the veterinary profession.

In this context, the World Organisation for Animal Health (OIE) and the World Veterinary Association (WVA) advocate for the specific activities of Veterinary Services to be considered as essential businesses.

Maintaining the activities that are crucial to public health

Veterinarians are an integral part of the global health community. Beyond the activities linked to the health and welfare of animals, they have a key role in disease prevention and management, including those transmissible to humans, and to ensure food safety for the populations.

In the current situation, it is crucial that, amongst their numerous activities, they can sustain those necessary to ensure that:

- :: national and regional veterinary regulatory and inspection services can oversee the integrity of public health
- :: only healthy animals and their by-products enter the food supply to guarantee food safety for the populations,
- :: emergency situations can be addressed,
- :: preventative measures, such as vaccination against diseases with a significant public health or economic impact, are maintained.
- :: priority research activities continue.

Supporting veterinary activities in the current context

When conducting their work, veterinarians have the responsibility to safeguard their health, the health of those they work with, and their clients' health. Hence, they must ensure that appropriate levels of biosecurity are implemented, that their personnel are protected with the necessary equipment, and that animal owners are informed of precautionary measures in place. It is the responsibility of each individual to ensure that appropriate behaviours are respected in the framework of these activities, to avoid further spread of COVID-19.

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ARM [Alliance for Regenerative Medicine] [to 21 Mar 2020]

<https://alliancerm.org/press-releases/>

Press Releases

No new digest content identified.

BIO [to 21 Mar 2020]

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

Press Releases

[America's Biopharmaceutical Companies Working Around the Clock to Beat Coronavirus](#)

March 20, 2020

Companies are Coming Together to Achieve Shared Goal of Eradicating the Virus

Press Release

[Media Advisory: World's Largest Biopharmaceutical Organization to Host Two-Day Virtual Summit on Coronavirus](#)

March 19, 2020

The two-day summit will take place on Tuesday, March 24 and Wednesday, March 25, and will be led by BIO President and CEO Jim Greenwood and Dr. George Scangos, President and CEO of Vir Biotechnology. BIO Board Chairman Dr. Jeremy Levin, CEO of Ovid Therapeutics, appointed Dr. Scangos to oversee the BIO Coronavirus Collaboration Initiative, which is

intended to help connect innovators with partners across both the industry and inside the federal government to combat the coronavirus.

The summit will include leaders from biotech and pharmaceutical companies, global academic experts in virology and immunology, and non-governmental organizations. Those invited to participate include Ambassador Deborah Birx, Dr. Robert Kadlec, and other senior leaders from key government offices, including the U.S. Department of Defense, U.S. Department of Health & Human Services, the Centers for Disease Control and Prevention, National Institutes of Health, and the Food and Drug Administration. Information regarding confirmed guests will be provided at a later date...

[CLICK HERE TO REGISTER](#)

WHO: BIO, Industry Leaders, Senior Government Officials, and Scientific Experts

WHAT: Virtual Summit to Foster Public-Private Collaboration to Address the Coronavirus

WHEN: Tuesday, March 24 and Wednesday, March 25

WHERE: Virtual Meeting, registration required

DCVMN – Developing Country Vaccine Manufacturers Network [to 21 Mar 2020]

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

News

No new digest content identified.

IFPMA [to 21 Mar 2020]

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

Selected Press Releases, Statements, Publications

[Global Biopharmaceutical Industry pulling out all the stops to address Coronavirus public health crisis](#)

19 March 2020, Geneva – The International Federation of Pharmaceutical Manufacturers and Associations (IFPMA), representing the world’s leading biopharmaceutical companies, today confirmed that having already mobilized on an unprecedented [scale](#) to respond to the COVID-19 pandemic, they commit to do more. The biopharmaceutical industry commits to accelerate its effort to use its skills, technology and resources to bring safe, effective diagnostics, treatments and vaccines to patients around the world as a matter of urgency...

...Among the [commitments](#) are to:

:: use industry’s expertise and know-how to speed up the development of safe and effective vaccines, partnering with others to make it possible;

:: use industry’s medical expertise to support global healthcare systems to manage the unprecedented increase in pressure they face;

:: share tools and insights to test potential therapies and vaccines as well as developing and scaling up capacity of diagnostics for testing for COVID-19 patients as much as possible;

:: increase industry’s manufacturing capabilities and willingly share available capacity to ramp up production once a successful vaccine or treatment is developed;

:: work to secure continuity of supply for all essential medicines, vaccines and diagnostics for patients with other life-threatening diseases, calling on governments to implement policies and decisions that facilitate access for those in need...

Pharma industry and patient groups collaborate on a NEW guidance note on best practices for interaction

16 March 2020

...The Note for Guidance aims to complement the [2019 IFPMA Code of Practice](#) which covers the promotion of pharmaceutical products and interactions with Healthcare Professionals (HCPs), medical institutions and patient organizations. The new advisory note sets out principles of interaction on how to protect the independence, privacy and integrity of patients, caregivers and patient organizations when they receive financial and non-financial support from companies and associations. It provides best practice on what should be included in agreements and puts great emphasis on advising pharmaceutical companies and associations to carefully consider how and when to engage with patients and caregivers as individuals, as advisors, or as guest speakers at events and congresses...

PhRMA [to 21 Mar 2020]

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

Selected Press Releases, Statements

America's Biopharmaceutical Companies Working Around the Clock to Beat Coronavirus

Companies are Coming Together to Achieve Shared Goal of Eradicating the Virus

March 20, 2020

Washington, D.C. (March 20, 2020) — Today, the Pharmaceutical Research and Manufacturers of America (PhRMA) and the Biotechnology Innovation Organization (BIO) underscored the industry's [commitment](#) to finding solutions to prevent, diagnose and treat those with COVID-19, a disease caused by a novel strain of coronavirus. The decades-long investments biopharmaceutical companies have made in new technologies, research and treatments have prepared the industry to act swiftly to respond to the public health crisis.

America's biopharmaceutical companies are working around the clock to:

- :: Work with government agencies and diagnostic partners to increase COVID-19 testing capability and capacity.
- :: Screen vast global libraries of medicines to identify potential treatments and have numerous clinical trials underway to test existing therapies.
- :: Research and develop new therapies and treatments for those infected with the virus.
- :: Use investments in new technologies to speed the development of safe and effective vaccines.

"I'm confident our industry will achieve its shared goal to beat coronavirus, and our commitment underscores how we are uniquely positioned to do so," said Stephen J. Ubl, president and chief executive officer of PhRMA. "We have deep scientific knowledge gained from decades of experience with similar viruses; the industry has invested billions in technologies that have dramatically shortened the time it takes to decode viruses and develop a potential vaccine; and our companies alone have the ability to manufacture and broadly disseminate vaccines or treatments."...

Industry Watch [to 21 Mar 2020]

:: Pfizer Announces Top-Line Results from Phase 3 Study of 20-Valent Pneumococcal Conjugate Vaccine in Pneumococcal Vaccine-Naïve Adults Aged 18 Years or Older

20-valent pneumococcal conjugate vaccine demonstrated comparable safety and immunogenicity profile to licensed pneumococcal vaccines

March 18, 2020

NEW YORK--(BUSINESS WIRE)--Pfizer Inc. (NYSE:PFE) today announced top-line results from one of its Phase 3 studies (NCT03760146), which evaluated the safety and immunogenicity of its 20-valent pneumococcal conjugate vaccine (20vPnC) candidate in adults 18 years of age or older not previously vaccinated against pneumococcal disease. The primary immunogenicity objectives of non-inferiority for the 20 serotypes included in 20vPnC in adults 60 years of age and older at one month after vaccination were met for all serotypes in common with licensed Prevnar 13® (pneumococcal 13-valent Conjugate Vaccine [Diphtheria CRM197 Protein]) and six of the seven additional serotypes when compared to a licensed pneumococcal polysaccharide vaccine (PPSV23); one of the new seven serotypes missed noninferiority criteria by a small margin.¹ Secondary immunogenicity objectives for adults 18-59 years old compared to those 60-64 years old met non-inferiority for all 20 serotypes. The safety objectives were met in adults 18 years of age or older demonstrating that the safety and tolerability of 20vPnC were comparable to licensed pneumococcal vaccines. Based on prior discussions with regulators, these data are expected to meet licensure criteria...

* * * *

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

American Journal of Infection Control

March 2020 Volume 48, Issue 3, p239-354

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

[Reviewed earlier]

American Journal of Preventive Medicine

March 2020 Volume 58, Issue 3, p313-472

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

[Reviewed earlier]

American Journal of Public Health

March 2020 110(33)

<http://ajph.aphapublications.org/toc/ajph/current>
[Reviewed earlier]

American Journal of Tropical Medicine and Hygiene

Volume 102, Issue 3, March 2020

<http://www.ajtmh.org/content/journals/14761645/102/3>

[Reviewed earlier]

Annals of Internal Medicine

17 March 2020 Vol: 172, Issue 6

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

[New issue; No digest content identified]

Artificial Intelligence – An International Journal

Volume 281 April 2020

<https://www.sciencedirect.com/journal/artificial-intelligence/vol/281/suppl/C>

[Reviewed earlier]

BMC Cost Effectiveness and Resource Allocation

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

(Accessed 21 Mar 2020)

[Costs and benefits of early response in the Ebola virus disease outbreak in Sierra Leone](#)

The 2014–2016 Ebola virus disease (EVD) outbreak in West Africa was the largest EVD outbreak recorded, which has triggered calls for investments that would facilitate an even earlier response. This study aims to estimate the costs and health effects of earlier interventions in Sierra Leone.

Authors: Klas Kellerborg, Werner Brouwer and Pieter van Baal

Content type: Research

16 March 2020

BMJ Global Health

March 2020 - Volume 5 - 3

<https://gh.bmj.com/content/5/2>

[Reviewed earlier]

BMC Health Services Research

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

(Accessed 21 Mar 2020)

[No new digest content identified]

BMC Infectious Diseases

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

(Accessed 21 Mar 2020)

[Influenza in the school-aged population in Mexico: burden of disease and cost-effectiveness of vaccination in children](#)

The current national influenza vaccination schedule in Mexico does not recommend vaccination in the school-aged population (5–11 years). Currently, there are limited data from middle-income countries analysing...

Authors: Jorge Abelardo Falcón-Lezama, Rodrigo Saucedo-Martínez, Miguel Betancourt-Cravioto, Myrna María Alfaro-Cortés, Roberto Isaac Bahena-González and Roberto Tapia-Conyer

Citation: BMC Infectious Diseases 2020 20:240

Content type: Research article

Published on: 20 March 2020

BMC Medical Ethics

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

(Accessed 21 Mar 2020)

[Clarifying how to deploy the public interest criterion in consent waivers for health data and tissue research](#)

Several jurisdictions, including Singapore, Australia, New Zealand and most recently Ireland, have a public interest or public good criterion for granting waivers of consent in biomedical research using secondary health data or tissue. However, the concept of the public interest is not well defined in this context, which creates difficulties for institutions, institutional review boards (IRBs) and regulators trying to implement the criterion.

Authors: G. Owen Schaefer, Graeme Laurie, Sumytra Menon, Alastair V. Campbell and Teck Chuan Voo

Content type: Debate

20 March 2020

[Dishonesty and research misconduct within the medical profession](#)

Authors: Habib Rahman and Stephen Anker

Content type: Review

18 March 2020

Abstract

While there has been much discussion of how the scientific establishment's culture can engender research misconduct and scientific irreproducibility, this has been discussed much less frequently with respect to the medical profession. Here the authors posit that a lack of self-criticism, an encouragement of novel scientific research generated by the recruitment policies of the UK Royal Training Colleges along with insufficient training in the sciences are core reasons as to why research misconduct and dishonesty prevail within the medical community.

Furthermore, the UK General Medical Council's own data demonstrates a historic inattentiveness to the ease with which doctors can engage in research misconduct. Suggestions are made as to how these issues can be investigated and alternative incentives for career advancement are adumbrated.

BMC Medicine

<http://www.biomedcentral.com/bmcmcd/content>
(Accessed 21 Mar 2020)

[Coronavirus: the spread of misinformation](#)

Authors: Areeb Mian and Shujhat Khan

Citation: BMC Medicine 2020 18:89

Content type: Commentary

Published on: 18 March 2020

BMC Pregnancy and Childbirth

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

(Accessed 21 Mar 2020)

[No new digest content identified]

BMC Public Health

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

(Accessed 21 Mar 2020)

[Vaccination coverage with the pneumococcal and influenza vaccine among persons with chronic diseases in Shanghai, China, 2017](#)

Adults with chronic conditions such as heart disease, diabetes, or lung disease are more likely to develop complications from a number of vaccine-preventable diseases, including influenza and pneumonia. In thi...

Authors: Yuheng Wang, Minna Cheng, Siyuan Wang, Fei Wu, Qinghua Yan, Qinqing Yang, Yanyun Li, Xiang Guo, Chen Fu, Yan Shi, Abram L. Wagner and Matthew L. Boulton

Citation: BMC Public Health 2020 20:359

Content type: Research article

Published on: 19 March 2020

BMC Research Notes

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

(Accessed 21 Mar 2020)

[No new digest content identified]

BMJ Open

March 2020 - Volume 10 - 3

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

[Reviewed earlier]

Bulletin of the World Health Organization

Volume 98, Number 3, March 2020, 149-228

<https://www.who.int/bulletin/volumes/98/3/en/>

[Reviewed earlier]

Child Care, Health and Development

Volume 46, Issue 2 Pages: 155-248 March 2020
<https://onlinelibrary.wiley.com/toc/13652214/current>
[Reviewed earlier]

Clinical Therapeutics

February 2020 Volume 42, Issue 2, p237-378, e1-e32
<http://www.clinicaltherapeutics.com/current>
[New issue; No digest content identified]

Clinical Trials

Volume 17 Issue 1, February 2020
<https://journals.sagepub.com/toc/ctja/17/1>
[Reviewed earlier]

Conflict and Health

<http://www.conflictandhealth.com/>
[Accessed 21 Mar 2020]
[No new digest content identified]

Contemporary Clinical Trials

Volume 90 March 2020
<https://www.sciencedirect.com/journal/contemporary-clinical-trials/vol/90/suppl/C>
[New issue; No digest content identified]

The CRISPR Journal

Volume 3, Issue 1 / February 2020
<https://www.liebertpub.com/toc/crispr/3/1>
[Reviewed earlier]

Current Genetic Medicine Reports

Volume 8, Issue 1, March 2020
<https://link.springer.com/journal/40142/8/1>
[Reviewed earlier]

Current Opinion in Infectious Diseases

April 2020 - Volume 33 - Issue 2
<https://journals.lww.com/co-infectiousdiseases/pages/currenttoc.aspx>
[New issue; No digest content identified]

Developing World Bioethics

Volume 20, Issue 1 Pages: 1-60 March 2020
<https://onlinelibrary.wiley.com/toc/14718847/current>
[New issue; No digest content identified]

Development in Practice

Volume 30, Issue 1, 2020
<http://www.tandfonline.com/toc/cdip20/current>
[Reviewed earlier]

Disaster Medicine and Public Health Preparedness

Volume 14 - Issue 1 - February 2020
<https://www.cambridge.org/core/journals/disaster-medicine-and-public-health-preparedness/latest-issue>
[Reviewed earlier]

Disasters

Volume 44, Issue 2 Pages: 233-432 April 2020
<https://onlinelibrary.wiley.com/toc/14677717/current>
[New issue; No digest content identified]

EMBO Reports

Volume 21 Issue 3 4 March 2020
<https://www.embopress.org/toc/14693178/current>
[Reviewed earlier]

Emerging Infectious Diseases

Volume 26, Number 3—March 2020
<http://wwwnc.cdc.gov/eid/>
[Reviewed earlier]

Epidemics

Volume 30 March 2020
<https://www.sciencedirect.com/journal/epidemics/vol/30/suppl/C>
Research article Open access

[Quantifying the success of measles vaccination campaigns in the Rohingya refugee camps](#)

Taylor Chin, Caroline O. Buckee, Ayesha S. Mahmud
Article 100385
Abstract

In the wake of the Rohingya population's mass migration from Myanmar, one of the world's largest refugee settlements was constructed in Cox's Bazar, Bangladesh to accommodate nearly

900,000 new refugees. Refugee populations are particularly vulnerable to infectious disease outbreaks due to many population and environmental factors. A large measles outbreak, with over 1700 cases, occurred among the Rohingya population between September and November 2017. Here, we estimate key epidemiological parameters and use a dynamic mathematical model of measles transmission to evaluate the effectiveness of the reactive vaccination campaigns in the refugee camps. We also estimate the potential for subsequent outbreaks under different vaccination coverage scenarios. Our modeling results highlight the success of the vaccination campaigns in rapidly curbing transmission and emphasize the public health importance of maintaining high levels of vaccination in this population, where high birth rates and historically low vaccination coverage rates create suitable conditions for future measles outbreaks.

Research article Open access

[Game theory of vaccination and depopulation for managing livestock diseases and zoonoses on small-scale farms](#)

Alexis Delabouglise, Maciej F. Boni
Article 100370

Research article Open access

[Measles transmission during a large outbreak in California](#)

Lee Worden, Sarah F. Ackley, Jennifer Zipprich, Kathleen Harriman, ... Travis C. Porco
Article 100375

Epidemiology and Infection

Volume 148 - 2020

<https://www.cambridge.org/core/journals/epidemiology-and-infection/latest-issue>

[Reviewed earlier]

Ethics & Human Research

Volume 42, Issue 2 Pages: 1-33 March–April 2020

<https://onlinelibrary.wiley.com/toc/25782363/current>

Incidental Findings :: Data Sharing N-of-1 Trials :: Deception

Articles

[Research Participant Views regarding Qualitative Data Sharing](#)

We found no studies in the United States that explored research participants' perspectives about sharing their qualitative data. We present findings from interviews with 30 individuals who participated in sensitive qualitative studies to explore their understanding and concerns regarding qualitative data sharing. The vast majority supported sharing qualitative data so long as their data were deidentified and shared only among researchers. However, they raised concerns about confidentiality if the data were not adequately deidentified and about misuse by secondary users if data were shared beyond the research community.

Jessica Mozerky, Meredith Parsons, Heidi Walsh, Kari Baldwin, Tristan McIntosh, James M. DuBois

Pages: 13-27

First Published: 19 March 2020

The European Journal of Public Health

Volume 30, Issue 1, February 2020

<https://academic.oup.com/eurpub/issue/30/1>

[Reviewed earlier]

Gates Open Research

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

[Accessed 21 Mar 2020]

[No new digest content identified]

Genome Medicine

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

[No new digest content identified]

Global Health Action

Volume 12, 2019 Issue 1

<https://www.tandfonline.com/toc/zgha20/12/sup1?nav=toCList>

[Reviewed earlier]

Global Health: Science and Practice (GHSP)

Vol. 7, No. 4 December 23, 2019

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

[Reviewed earlier]

Global Public Health

Volume 15, 2020 Issue 3

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

[Reviewed earlier]

Globalization and Health

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

[Accessed 21 Mar 2020]

[No new digest content identified]

Health Affairs

Vol. 39, No. 3 March 2020

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

The Affordable Care Act Turns 10

[New issue; No digest content identified]

Health and Human Rights

Volume 21, Issue 2, December 2019

<https://www.hhrjournal.org/volume-21-issue-2-december-2019/>

[Reviewed earlier]

Health Economics, Policy and Law

Volume 15 - Issue 2 - April 2020

[Reviewed earlier]

Health Policy and Planning

Volume 34, Issue Supplement_3, December 2019

https://academic.oup.com/heapol/issue/34/Supplement_3

Access to Medicines through Health Systems in Low- and Middle-Income Countries

[Reviewed earlier]

Health Research Policy and Systems

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

[Accessed 21 Mar 2020]

[No new digest content identified]

Human Gene Therapy

Volume 31, Issue 3-4 / February 2020

<https://www.liebertpub.com/toc/hum/31/3-4>

[Reviewed earlier]

Humanitarian Exchange Magazine

Number 76, January 2020

<https://odihpn.org/magazine/the-crisis-in-yemen/>

The Crisis in Yemen

by HPN

This edition of Humanitarian Exchange focuses on the crisis in Yemen. Since the war there began in 2014, thousands of civilians have been killed or injured and air strikes and ground operations have destroyed hospitals, schools and critical infrastructure. An estimated 80% of Yemenis need humanitarian assistance.

In the lead article, Laurie Lee highlights the critical role Yemenis and Yemeni organisations are playing in addressing the humanitarian challenges in the country, and how NGOs can better support them. Genevieve Gauthier and Marcus Skinner reinforce this point with reference to two local organisations, the Yemen Women's Union and Al Hikma. Warda Saleh, the founder of another Yemeni grassroots organisation, discusses the increased risk of gender-based violence facing women and girls, while Ibrahim Jalal and Sherine El Taraboulsi-McCarthy focus on internal displacement and the opportunities for a more effective humanitarian response.

Reflecting on child protection programming in Yemen, Mohammed Alshamaa and Amanda Brydon conclude that multisectoral approaches with local authorities result in better and more sustainable outcomes. Padraic McCluskey and Jana Brandt consider the ethical dilemmas Médecins Sans Frontières (MSF) faced in trying to balance quality and coverage in a mother and child hospital in Taiz. Lindsay Spainhour Baker and colleagues reflect on the challenges involved in gathering and analysing information on the humanitarian situation while Lamis Al-Iryani, Sikandra Kurdi and Sarah Palmer-Felgate discuss the findings from an evaluation of the Yemen Social Fund for Development (SFD) Cash for Nutrition programme. An article by Kristine Beckerle and Osamah Al-Fakih details Yemeni and international organisations' efforts to document and mitigate harm to civilians caught up in the conflict. The edition ends with a piece by Fanny Pettibon, Anica Heinlein and Dhabie Brown outlining CARE's advocacy on the arms trade.

Finally, readers will note that this edition is shorter than usual, largely because it was very difficult to persuade potential authors to write on the Yemen crisis. Many of the individuals and organisations we contacted were either too busy responding or were concerned that writing frankly about their work could negatively affect their operations. HPN has covered many similarly sensitive contexts in Humanitarian Exchange over the last 26 years, but this is the first time we have experienced such reluctance to engage. A worrying sign.

Human Vaccines & Immunotherapeutics (formerly Human Vaccines)

Volume 16, Issue 1, 2020

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

[Reviewed earlier]

Infectious Agents and Cancer

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

[Accessed 21 Mar 2020]

[No new digest content identified]

Infectious Diseases of Poverty

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

[Accessed 21 Mar 2020]

[Epidemiology, causes, clinical manifestation and diagnosis, prevention and control of coronavirus disease \(COVID-19\) during the early outbreak period: a scoping review](#)

A scoping review was conducted following the methodological framework suggested by Arksey and O'Malley. In this scoping review, 65 research articles published before 31 January 2020 were analyzed and discussed to better understand the epidemiology, causes, clinical diagnosis, prevention and control of this virus. The research domains, dates of publication, journal language, authors' affiliations, and methodological characteristics were included in the analysis. All the findings and statements in this review regarding the outbreak are based on published information as listed in the references.

Authors: Sasmita Poudel Adhikari, Sha Meng, Yu-Ju Wu, Yu-Ping Mao, Rui-Xue Ye, Qing-Zhi Wang, Chang Sun, Sean Sylvia, Scott Rozelle, Hein Raat and Huan Zhou

Content type: Scoping Review
17 March 2020

International Health

Volume 12, Issue 2, March 2020
<https://academic.oup.com/inthealth/issue/12/2>
[New issue; No digest content identified]

International Journal of Community Medicine and Public Health

Vol 7, No 3 (2020) March 2020
<https://www.ijcmph.com/index.php/ijcmph/issue/view/60>
[Reviewed earlier]

International Journal of Epidemiology

Volume 48, Issue 6, December 2019
<https://academic.oup.com/ije/issue/48/6>
[Reviewed earlier]

International Journal of Human Rights in Healthcare

Volume 12 Issue 5
<https://www.emerald.com/insight/publication/issn/2056-4902/vol/12/iss/5>
[Reviewed earlier]

International Journal of Infectious Diseases

March 2020 Volume 92, p1-272
[https://www.ijidonline.com/issue/S1201-9712\(20\)X0002-6](https://www.ijidonline.com/issue/S1201-9712(20)X0002-6)
[Reviewed earlier]

JAMA

March 17, 2020, Vol 323, No. 11, Pages 1021-1104
<http://jama.jamanetwork.com/issue.aspx>

Original Investigation

Caring for the Critically Ill Patient

[Clinical Characteristics of 138 Hospitalized Patients With 2019 Novel Coronavirus–Infected Pneumonia in Wuhan, China](#)

Dawei Wang, MD; Bo Hu, MD; Chang Hu, MD; et al.

free access has active quiz has multimedia has audio

JAMA. 2020;323(11):1061-1069. doi:10.1001/jama.2020.1585

This single-center case series describes the demographics, symptoms, laboratory and imaging findings, treatment, and clinical course of 138 patients hospitalized with 2019 novel coronavirus (2019-nCoV)–infected pneumonia (NCIP) in Wuhan, China, highlighting presumed human-to-human hospital-associated transmission in many cases.

Audio Interview: COVID-19 Update From China

Editorial

Editorial Concern—Possible Reporting of the Same Patients With COVID-19 in Different Reports

Howard Bauchner, MD; Robert M. Golub, MD; Jody Zylke, MD

Research Letter

Epidemiologic and Clinical Characteristics of Novel Coronavirus Infections Involving 13 Patients Outside Wuhan, China

De Chang, MD, PhD; Mingguo Lin, MD; Lai Wei, MD; et al.

free access has active quiz has multimedia has audio

JAMA. 2020;323(11):1092-1093. doi:10.1001/jama.2020.1623

This case series uses patient hospital data to summarize the clinical presentation and laboratory and imaging findings of 13 patients with confirmed 2019-nCoV infection admitted to hospitals in Beijing in January 2020.

Editorial

Randomized Clinical Trials of Artificial Intelligence

Derek C. Angus, MD, MPH

JAMA. 2020;323(11):1043-1045. doi:10.1001/jama.2020.1039

As patient data are increasingly captured digitally, the opportunities to deploy artificial intelligence (AI), especially machine learning, are increasing rapidly. Machine learning is automated learning by computers using tools such as artificial neural networks to search data iteratively for optimal solutions.¹ Typical applications include searching for novel patterns (eg, latent cancer subtypes²), making a diagnosis or outcome prediction (eg, diabetic retinopathy³), and optimizing treatment decisions (eg, fluid and vasopressor titration for septic shock⁴). Although many express excitement regarding the promise of AI, others express concern about adverse consequences, such as loss of physician and patient autonomy or unintended bias, and still others claim that the entire endeavor is largely hype, with virtually no data that actual patient outcomes have improved.^{5,6}

JAMA Pediatrics

March 2020, Vol 174, No. 3, Pages 226-308

<http://archpedi.jamanetwork.com/issue.aspx>

[Reviewed earlier]

JBI Database of Systematic Review and Implementation Reports

March 2020 - Volume 18 - Issue 3

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

[New issue; No digest content identified]

Journal of Adolescent Health

March 2020 Volume 66, Issue 3, p265-378

[https://www.jahonline.org/issue/S1054-139X\(20\)X0002-4](https://www.jahonline.org/issue/S1054-139X(20)X0002-4)

Original Articles

Adolescents' and Parents' Genomic Testing Decisions: Associations With Age, Race, and Sex

Melanie F. Myers, Lisa J. Martin, Cynthia A. Prows
p288–295
Published online: November 1, 2019

Journal of Artificial Intelligence Research

Vol. 67 (2020)

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

[Reviewed earlier]

Journal of Community Health

Volume 45, Issue 2, April 2020

<https://link.springer.com/journal/10900/45/2>

[Reviewed earlier]

Journal of Development Economics

Volume 143 March 2020

<https://www.sciencedirect.com/journal/journal-of-development-economics/vol/143/suppl/C>

[Reviewed earlier]

Journal of Empirical Research on Human Research Ethics

Volume 15 Issue 1-2, February-April 2020

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

Special Issue: Ethical Issues in Social Media Research

[Reviewed earlier]

Journal of Epidemiology & Community Health

March 2020 - Volume 74 - 3

<https://jech.bmj.com/content/74/3>

[Reviewed earlier]

Journal of Evidence-Based Medicine

Volume 13, Issue 1 Pages: 1-88 February 2020

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

[Reviewed earlier]

Journal of Global Ethics

Volume 15, Issue 3, 2019

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

Special Issue: Global Justice and Childhood

[Reviewed earlier]

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

Volume 31, Number 1, February 2020

<https://muse.jhu.edu/journal/278>

Table of Contents

[Reviewed earlier]

Journal of Immigrant and Minority Health

Volume 22, Issue 2, April 2020

<https://link.springer.com/journal/10903/22/2>

[Reviewed earlier]

Journal of Immigrant & Refugee Studies

Volume 18, 2020_ Issue 1

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

[Reviewed earlier]

Journal of Infectious Diseases

Volume 221, Issue 4, 15 February 2020

<https://academic.oup.com/jid/issue/221/4>

[Reviewed earlier]

Journal of Medical Ethics

March 2020 - Volume 46 - 3

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

[Reviewed earlier]

Journal of Patient-Centered Research and Reviews

Volume 7, Issue 1 (2020)

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

[Reviewed earlier]

Journal of Pediatrics

March 2020 Volume 218, p1-268, e1-e5

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

[Reviewed earlier]

Journal of Pharmaceutical Policy and Practice

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

[Accessed 21 Mar 2020]
[No new digest content identified]

Journal of Public Health Management & Practice

March/April 2020 - Volume 26 - Issue 2

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

[Reviewed earlier]

Journal of Public Health Policy

Volume 41, Issue 1, March 2020

<https://link.springer.com/journal/41271/41/1>

[Reviewed earlier]

Journal of Refugee & Global Health

Volume 2, Issue 2 (2019)

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

[Reviewed earlier]

Journal of the Royal Society – Interface

01 March 2020 Volume 17 Issue 164

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

[Reviewed earlier]

Journal of Travel Medicine

Volume 27, Issue 2, March 2020

<https://academic.oup.com/jtm/issue/27/2>

Editorial

[Travellers give wings to novel coronavirus \(2019-nCoV\)](#)

Mary E Wilson, MD, Lin H Chen, MD

J Travel Med, Volume 27, Issue 2, March 2020, taaa015, <https://doi.org/10.1093/jtm/taaa015>

A novel coronavirus, probably of bat origin, has caused an outbreak of severe respiratory infection in humans in Wuhan, China and has been dispersed globally by travelers. The WHO has declared the spread of the infection a Public Health Emergency of International Concern.

Perspectives

[Isolation, quarantine, social distancing and community containment: pivotal role for old-style public health measures in the novel coronavirus \(2019-nCoV\) outbreak](#)

A Wilder-Smith, MD, D O Freedman, MD

J Travel Med, Volume 27, Issue 2, March 2020, taaa020, <https://doi.org/10.1093/jtm/taaa020>

Public health measures were decisive in controlling the SARS epidemic in 2003. Isolation is the separation of ill persons from non-infected persons. Quarantine is movement restriction, often with fever surveillance, of contacts when it is not evident whether they have been infected but are not yet symptomatic or have not been infected. Community containment includes measures

that range from increasing social distancing to community-wide quarantine. Whether these measures will be sufficient to control 2019-nCoV depends on addressing some unanswered questions.

Reviews

[Are all vaccines safe for the pregnant traveller? A systematic review and meta-analysis](#)

Roni Nasser, MD, Stav Rakedzon, MD, Yaakov Dickstein, MD, Amjad Mousa, MD, Ido Solt, MD

...

J Travel Med, Volume 27, Issue 2, March 2020, taz074, <https://doi.org/10.1093/jtm/taz074>

[Vaccination against Japanese encephalitis with IC51: systematic review on immunogenicity, duration of protection and safety](#)

Kerstin Kling, Thomas Harder, Zane Younger, Gerd Burchard, Jonas Schmidt-Chanasit ...

J Travel Med, Volume 27, Issue 2, March 2020, taaa016, <https://doi.org/10.1093/jtm/taaa016>

[Potential for global spread of a novel coronavirus from China](#)

Isaac I Bogoch, MD, Alexander Watts, PhD, Andrea Thomas-Bachli, PhD, Carmen Huber, MSA, Moritz U G Kraemer, DPhil ...

J Travel Med, Volume 27, Issue 2, March 2020, taaa011, <https://doi.org/10.1093/jtm/taaa011>

An epidemic of a novel coronavirus emerged from Wuhan, China, in late December 2019 and has since spread to several large Chinese cities. Should a scenario arise where this coronavirus spreads more broadly across China, we evaluate how patterns of international disease transmission could change.

Journal of Virology

February 2020; Volume 94, Issue 3

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

[Reviewed earlier]

The Lancet

Mar 21, 2020 Volume 395 Number 10228 p921-1010, e52-e53

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

Editorial

[COVID-19: protecting health-care workers](#)

The Lancet

[Ebola in DR Congo: getting the job done](#)

The Lancet

Comment

[Ethical implications of poor comparative effectiveness evidence: obligations in industry-research partnerships](#)

Iilina Singh, Huseyin Naci, Jennifer Miller, Arthur Caplan, Andrea Cipriani

[How will country-based mitigation measures influence the course of the COVID-19 epidemic?](#)

Roy M Anderson, Hans Heesterbeek, Don Klinkenberg, Déirdre Hollingsworth

[Offline: COVID-19—a reckoning](#)

Richard Horton

Series

Comparative Effectiveness 1

[Generating comparative evidence on new drugs and devices before approval](#)

Huseyin Naci, et al.

Comparative Effectiveness 2

[Generating comparative evidence on new drugs and devices after approval](#)

Andrea Cipriani, et al.

The Lancet Child & Adolescent Health

Apr 2020 Volume 4 Number 4 p251-340, e7-e9

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

Editorial

[Rare diseases: clinical progress but societal stalemate](#)

The Lancet Child & Adolescent Health

Lancet Digital Health

Mar 2020 Volume 2 Number 3 e102-e148

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

Editorial

[Child and adolescent health in the digital age](#)

The Lancet Digital Health

Lancet Global Health

Mar 2020 Volume 8 Number 3 e305 -e450

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

[Reviewed earlier]

Lancet Infectious Diseases

Mar 2020 Volume 20 Number 3 p261-382, e27-e49

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

[Reviewed earlier]

Lancet Public Health

Mar 2020 Volume 5 Number 3 e127-e176

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

[Reviewed earlier]

Lancet Respiratory Medicine

Mar 2020 Volume 8 Number 3 p217-320, e8-e13
<http://www.thelancet.com/journals/lanres/issue/current>

[Reviewed earlier]

Maternal and Child Health Journal

Volume 24, Issue 3, March 2020
<https://link.springer.com/journal/10995/24/3>

[Reviewed earlier]

Medical Decision Making (MDM)

Volume 40 Issue 2, February 2020
<http://mdm.sagepub.com/content/current>

[Reviewed earlier]

The Milbank Quarterly

A Multidisciplinary Journal of Population Health and Health Policy

Volume 98, Issue 1 Pages: 1-222 March 2020
<https://onlinelibrary.wiley.com/toc/14680009/current>

[New issue; No digest content identified]

Nature

Volume 579 Issue 7799, 19 March 2020
http://www.nature.com/nature/current_issue.html
Editorial | 17 March 2020

[Coronavirus: three things all governments and their science advisers must do now](#)

Follow World Health Organization advice, end secrecy in decision-making and cooperate globally.

World View | 16 March 2020

[Don't rush to deploy COVID-19 vaccines and drugs without sufficient safety guarantees](#)

We must urgently develop measures to tackle the new coronavirus — but safety always comes first, says Shibo Jiang.

Shibo Jiang

Nature Biotechnology

Volume 38 Issue 3, March 2020
<https://www.nature.com/nbt/volumes/38/issues/3>

Uniform nanoparticle vaccines

[Reviewed earlier]

Nature Genetics

Volume 52 Issue 3, March 2020

<https://www.nature.com/ng/volumes/52/issues/3>

[Reviewed earlier]

Nature Medicine

Volume 26 Issue 3, March 2020

<https://www.nature.com/nm/volumes/26/issues/3>

Editorial | 11 March 2020

[Patient trust must come at the top of researchers' priority list](#)

Secondary use of patient health data can be a boon for medical research and development, but only if researchers can cultivate patient trust in the system.

Comment | 28 January 2020

[In emergencies, health research must go beyond public engagement toward a true partnership with those affected](#)

An Ebola virus outbreak taking place in the complex political and social context of The Democratic Republic of the Congo has forced the research community to reflect on their approach to community engagement. Katharine Wright and Michael Parker, on behalf of the Nuffield Council on Bioethics Working Group on research in global health emergencies, say that those affected need to influence research choices from the very beginning and that the value of their knowledge must be recognized.

Katharine Wright, Michael Parker[...] & Paulina Tindana

Nature Reviews Genetics

Volume 21 Issue 3, March 2020

<https://www.nature.com/nrg/volumes/21/issues/3>

[Reviewed earlier]

Nature Reviews Immunology

Volume 20 Issue 3, March 2020

<https://www.nature.com/nri/volumes/20/issues/3>

[Reviewed earlier]

New England Journal of Medicine

March 19, 2020 Vol. 382 No. 12

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

Perspective

[The Dishonesty of Informed Consent Rituals](#)

Matt Bivens, M.D.

Out of respect for patient autonomy, we ritually inform patients of self-evident risks, even as we mock the very idea of informed consent by routinely prescribing combined medications that we must know will cost 10 times as much as the separate components.

Pediatrics

Vol. 145, Issue 3 1 Mar 2020

<https://pediatrics.aappublications.org/>

[Reviewed earlier]

Pharmaceutics

Volume 12, Issue 3 (March 2020)

<https://www.mdpi.com/1999-4923/12/3>

[New issue; No digest content identified]

Pharmacoeconomics

Volume 38, Issue 3, March 2020

<https://link.springer.com/journal/40273/38/3>

[Reviewed earlier]

PLoS Genetics

<https://journals.plos.org/plosgenetics/>

(Accessed 21 Mar 2020)

[No new digest content identified]

PLoS Medicine

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

(Accessed 21 Mar 2020)

Research Article

[Safety, tolerability, and immunogenicity of influenza vaccination with a high-density microarray patch: Results from a randomized, controlled phase I clinical trial](#)

Angus H. Forster, Katey Witham, Alexandra C. I. Depelseñaire, Margaret Veitch, James W. Wells, Adam Wheatley, Melinda Pryor, Jason D. Lickliter, Barbara Francis, Steve Rockman, Jesse Bodle, Peter Treasure, Julian Hickling, Germain J. P. Fernando

Research Article | published 17 Mar 2020 PLOS Medicine

<https://doi.org/10.1371/journal.pmed.1003024>

PLoS Neglected Tropical Diseases

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

(Accessed 21 Mar 2020)

[Immunogenicity of a killed bivalent whole cell oral cholera vaccine in forcibly displaced Myanmar nationals in Cox's Bazar, Bangladesh](#)

Fahima Chowdhury, Taufiqur Rahman Bhuiyan, Afroza Akter, Md Saruar Bhuiyan, Ashraful Islam Khan, Motaher Hossain, Imam Tauheed, Tasnuva Ahmed, Shaumik Islam, Tanzeem Ahmed Rafique, Shah Alam Siddique, Nabila Binta Harun, Khaleda Islam, John D. Clemens, Firdausi Qadri

Research Article | published 16 Mar 2020 PLOS Neglected Tropical Diseases

<https://doi.org/10.1371/journal.pntd.0007989>

Abstract

After the large influx of Rohingya nationals (termed Forcibly Displaced Myanmar National; FDMN) from Rakhine State of Myanmar to Cox's Bazar in Bangladesh, it was apparent that outbreaks of cholera was very likely in this setting where people were living under adverse water and sanitation conditions. Large campaigns of oral cholera vaccine (OCV) were carried out as a preemptive measure to control cholera epidemics. The aim of the study was to evaluate the immune responses of healthy adults and children after administration of two doses of OCV at 14 days interval in FDMN population and compare with the response observed in Bangladeshi's vaccinated earlier. A cross-sectional immunogenicity study was conducted among FDMNs of three age cohort; in adults (18+years; n = 83), in older children (6–17 years; n = 63) and in younger children (1–5 years; n = 80). Capillary blood was collected at three time points to measure vibriocidal antibodies using either plasma or dried blood spot (DBS) specimens. There was a significant increase of responder frequency of vibriocidal antibody titer at day 14 in all groups for *Vibrio cholerae* O1 (Ogawa/Inaba: adults-64%/64%, older children-70%/89% and younger children-51%/75%). There was no overall difference of vibriocidal antibody titer between FDMN and Bangladeshi population at baseline ($p = 0.07$ – 0.08) and at day 14, day 28 in all age groups for both serotypes. The seroconversion rate and geometric mean titer (GMT) of either serotype were comparable using both plasma and DBS specimens. These results showed that OCV is capable of inducing robust immune responses in adults and children among the FDMN population which is comparable to that seen in Bangladeshi participants in different age groups or that reported from other cholera endemic countries. Our results also suggest that the displaced population were exposed to *V. cholerae* prior to seeking shelter in Bangladesh.

PLoS One

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

[Accessed 21 Mar 2020]

[Knowledge gaps and acquisition about HPV and its vaccine among Brazilian medical students](#)

Annielson de Souza Costa, Jéssica Menezes Gomes, Ana Cláudia Camargo Gonçalves Germani, Matheus Reis da Silva, Edige Felipe de Sousa Santos, José Maria Soares Júnior, Edmund Chada Baracat, Isabel Cristina Esposito Sorpreso

Research Article | published 19 Mar 2020 PLOS ONE

<https://doi.org/10.1371/journal.pone.0230058>

PLoS Pathogens

<http://journals.plos.org/plospathogens/>

[Accessed 21 Mar 2020]

[No new digest content identified]

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

<http://www.pnas.org/content/early/>

[Accessed 21 Mar 2020]

[No new digest content identified]

Prehospital & Disaster Medicine

Volume 35 - Issue 2 - April 2020

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

[New issue; No digest content identified]

Preventive Medicine

Volume 132 March 2020

<https://www.sciencedirect.com/journal/preventive-medicine/vol/132/suppl/C>

[Reviewed earlier]

Proceedings of the Royal Society B

11 March 2020 Volume 287 Issue 1922

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

[Reviewed earlier]

Public Health

Volume 180 Pages 1-196 (March 2020)

<https://www.sciencedirect.com/journal/public-health/vol/180/suppl/C>

[Reviewed earlier]

Public Health Ethics

Volume 12, Issue 3, November 2019

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

[Reviewed earlier]

Public Health Reports

Volume 135 Issue 2, March/April 2020

<https://journals.sagepub.com/toc/phrg/135/2>

[Reviewed earlier]

Qualitative Health Research

Volume 30 Issue 4, March 2020

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

[Reviewed earlier]

Research Ethics

Volume 15 Issue 3-4, July-October 2019

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

[Reviewed earlier]

Reproductive Health

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

[Accessed 21 Mar 2020]

[No new digest content identified]

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

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

Latest articles

20 Mar 2020

[Clinical trials of drug repositioning for COVID-19 treatment](#)

Brief communication | English |

Rosa and Santos

The World Health Organization (WHO) was informed in December 2019 about a coronavirus pneumonia outbreak in Wuhan, Hubei province (China). Subsequently, on March 12, 2020, 125,048 cases and 4,614 deaths were reported. Coronavirus is an enveloped RNA virus, from the genus Betacoronavirus, that is distributed in birds, humans, and other mammals. WHO has named the novel coronavirus disease as COVID-19. More than 80 clinical trials have been launched to test coronavirus treatment, including some drug repurposing or repositioning for COVID-19. Hence, we performed a search in March 2020 of the clinicaltrials.gov database. The eligibility criteria for the retrieved studies were: contain a clinicaltrials.gov base identifier number; describe the number of participants and the period for the study; describe the participants' clinical conditions; and utilize interventions with medicines already studied or approved for any other disease in patients infected with the novel coronavirus SARS-CoV-2 (2019-nCoV). It is essential to emphasize that this article only captured trials listed in the clinicaltrials.gov database. We identified 24 clinical trials, involving more than 20 medicines, such as human immunoglobulin, interferons, chloroquine, hydroxychloroquine, arbidol, remdesivir, favipiravir, lopinavir, ritonavir, oseltamivir, methylprednisolone, bevacizumab, and traditional Chinese medicines (TCM). Although drug repurposing has some limitations, repositioning clinical trials may represent an attractive strategy because they facilitate the discovery of new classes of medicines; they have lower costs and take less time to reach the market; and there are existing pharmaceutical supply chains for formulation and distribution.

Risk Analysis

Volume 40, Issue 3 Pages: 439-656 March 2020

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

[Reviewed earlier]

Risk Management and Healthcare Policy

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

[Accessed 21 Mar 2020]

[No new digest content identified]

Science

20 March 2020 Vol 367, Issue 6484

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

Special Issue: Antarctica

Policy Forum

[Time for NIH to lead on data sharing](#)

By Ida Sim, Michael Stebbins, Barbara E. Bierer, Atul J. Butte, Jeffrey Drazen, Victor Dzau, Adrian F. Hernandez, Harlan M. Krumholz, Bernard Lo, Bernard Munos, Eric Perakslis, Frank Rockhold, Joseph S. Ross, Sharon F. Terry, Keith R. Yamamoto, Deborah A. Zarin, Rebecca Li
Science 20 Mar 2020 : 1308-1309 Full Access

A draft policy is generally supportive but should start mandating data sharing

Summary

The U.S. National Institutes of Health (NIH), the largest global funder of biomedical research, is in the midst of digesting public comments toward finalizing a data sharing policy. Although the draft policy is generally supportive of data sharing (1), it needs strengthening if we are to collectively achieve a long-standing vision of open science built on the principles of findable, accessible, interoperable, and reusable (FAIR) (2) data sharing. Relying on investigators to voluntarily share data has not, thus far, led to widespread open science practices (3); thus, we suggest steps that NIH could take to lead on scientific data sharing, with an initial focus on clinical trial data sharing.

Research Articles

[Insights into human genetic variation and population history from 929 diverse genomes](#)

By Anders Bergström, Shane A. McCarthy, Ruoyun Hui, Mohamed A. Almarri, Qasim Ayub, Petr Danecek, Yuan Chen, Sabine Felkel, Pille Hallast, Jack Kamm, H  l  ne Blanch  , Jean-Fran  ois Deleuze, Howard Cann, Swapan Mallick, David Reich, Manjinder S. Sandhu, Pontus Skoglund, Aylwyn Scally, Yali Xue, Richard Durbin, Chris Tyler-Smith

Science 20 Mar 2020 Restricted Access

Genomes from diverse human populations record human genetic diversity and illuminate the history of our species.

Genomes from around the globe

Genomic sequencing of diverse human populations to understand overall genetic diversity has lagged behind in-depth examination of specific populations. To add to our understanding of human genetic diversity, Bergstr  m et al. generated whole-genome sequences surveying individuals in the Human Genome Diversity Project, which is a panel of global populations that has been instrumental in understanding the history of human populations. The authors' study adds data about African, Oceanian, and Amerindian populations and indicates that diversity tends to result from differences at the single-nucleotide level rather than copy number variation. An analysis of archaic sequences in modern populations identifies ancestral genetic variation in African populations that likely predates modern humans and has been lost in most non-African populations.

Science Translational Medicine

18 March 2020 Vol 12, Issue 535

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

Review

[Priorities for developing respiratory syncytial virus vaccines in different target populations](#)

By Simon B. Drysdale, Rachael S. Barr, Christine S. Rollier, Christopher A. Green, Andrew J. Pollard, Charles J. Sande

Science Translational Medicine 18 Mar 2020 Restricted Access

About 38 candidate vaccines and monoclonal antibodies are in clinical development for treating respiratory syncytial virus in different populations.

Research Articles

[Strong vaccine responses during chemotherapy are associated with prolonged cancer survival](#)

By Cornelis J. M. Melief, Marij J. P. Welters, Ignace Vergote, Judith R. Kroep, Gemma G. Kenter, Petronella B. Ottevanger, Wiebren A. A. Tjalma, Hannelore Denys, Mariette I. E. van Poelgeest, Hans W. Nijman, Anna K. L. Reyners, Thierry Velu, Frederic Goffin, Roy I. Lalisang, Nikki M. Loof, Sanne Boekestijn, Willem Jan Krebber, Leon Hooftman, Sonja Visscher, Brent A. Blumenstein, Richard B. Stead, Winald Gerritsen, Sjoerd H. van der Burg

Science Translational Medicine 18 Mar 2020 Full Access

A strong vaccine-induced T cell response during standard-of-care chemotherapy correlates with survival in patients with advanced cervical cancer.

Social Science & Medicine

Volume 248 March 2020

<https://www.sciencedirect.com/journal/social-science-and-medicine/vol/248/suppl/C>

[Reviewed earlier]

Systematic Reviews

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

[Accessed 21 Mar 2020]

[No new digest content identified]

Travel Medicine and Infectious Diseases

Volume 33 January–February 2020

<https://www.sciencedirect.com/journal/travel-medicine-and-infectious-disease/vol/33/suppl/C>

[Reviewed earlier]

Tropical Medicine & International Health

Volume 25, Issue 3 Pages: i-iv, 277-386 March 2020

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

[Reviewed earlier]

Vaccine

Volume 38, Issue 12 Pages 2643-2748 (10 March 2020)

<https://www.sciencedirect.com/journal/vaccine/vol/38/issue/12>

Research article Abstract only

[Vaccine information seeking on social Q&A services](#)

Aviv J. Sharon, Elad Yom-Tov, Ayelet Baram-Tsabari

Pages 2691-2699

Research article Abstract only

[Tdap vaccination during pregnancy interrupts a twenty-year increase in the incidence of pertussis](#)

Dean Langsam, Emilia Anis, Eric J. Haas, Ruslan Gosinov, ... Dan Yamin

Pages 2700-2706

Research article Abstract only

[Maternal knowledge and infant uptake of valid hepatitis B vaccine birth dose at routine immunization clinics in Enugu State – Nigeria](#)

Uchechukwu Joel Okenwa, Magbagbeola David Dairo, Eniola Bamgboye, Olufemi Ajumobi

Pages 2734-2740

Vaccines — Open Access Journal

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

(Accessed 21 Mar 2020)

Open Access Article

[Vaccination Perception and Attitude among Undergraduate Medical and Teacher Education Students at Charles University, Prague, Czech Republic](#)

by Jiří Šálek , Alexander M. Čelko and Jana Dáňová

Vaccines 2020, 8(1), 136; <https://doi.org/10.3390/vaccines8010136> - 19 Mar 2020

Abstract

This cross-sectional comparative study was designed to evaluate different opinions and their impact on vaccine confidence, as perceived by students of two different university programs (medicine and teacher education), as both of them play important roles in patient education, with the latter major shaping the skills of critical thinking. Multi-item, opinion-based, paper-and-pencil anonymous questionnaires were distributed among students of medicine and teacher education. Data were sorted and divided into two sets to be analyzed using logistic regression. Out of a total of 722 respondents, 386 were medical students and 336 were teacher education students. While most respondents said they were not in favor of alternative medicine, a significantly higher number of alternative medicine followers were teacher education students. The positive vaccination perception rate (PVPR) is not dependent on the behavioral factors of student respondents (irrespective of their major) but is largely affected by their attitude to alternative medicine. Fear of infection dramatically increased the PVPR (up to 6.7 times) in those who were versus were not afraid of getting infected or were not quite sure whether to fear it. Fear of side effects of vaccination clearly decreased the PVPR, by at least 84%

Value in Health

March 2020 Volume 23, Issue 3, p277-408

[https://www.valueinhealthjournal.com/issue/S1098-3015\(20\)X0003-9](https://www.valueinhealthjournal.com/issue/S1098-3015(20)X0003-9)

[New issue; No digest content identified]

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From Google Scholar & other sources: Selected Journal Articles, Newsletters, Dissertations, Theses, Commentary

No new digest content identified.

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Media/Policy Watch

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

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

The Atlantic

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

Accessed 21 Mar 2020

Ideas

The Crisis Could Last 18 Months. Be Prepared.

The shutdowns happened remarkably quickly, but the process of resuming our lives will be far more muddled.

21 Mar 2020 [Juliette Kayyem](#)

Former Department of Homeland Security official and author of *Security Mom*

Ideas

COVID-19 Vaccines Are Coming, but They're Not What You Think

These novel approaches could fail in many ways.

21 Mar 2020

BBC

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

Accessed 21 Mar 2020

Health

[Coronavirus: How close are we to a vaccine or drug?](#)

By James Gallagher Health and science correspondent

20 March 2020

The Economist

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

Accessed 21 Mar 2020

[No new, unique, relevant content]

Financial Times

<http://www.ft.com/home/uk>

Accessed 21 Mar 2020

Coronavirus

[Coronavirus patient shows encouraging immune system fightback](#)

Woman in study makes recovery three days after doctors saw numerous infection-free cells

20 Mar 2020

The most detailed scientific study yet of a coronavirus patient has produced encouraging findings about the human immune system's ability to fight the virus and help the body recover. Researchers at the Peter Doherty Institute for Infection and Immunity in Australia analysed blood samples from a previously healthy 47-year-old woman who contracted Covid-19 and found that her recovery was due to an unexpectedly strong immune response. The woman, whose blood was tested at four different points during the course of the disease, had travelled to Melbourne from Wuhan in China where Covid-19 originated...

Forbes

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

Mar 21, 2020

[Coronavirus Crisis Shines Light On Sustainability In Global Pharma And Medical Supply Chain](#)

Will the rush to meet medical and pharmaceutical demand for COVID-19 testing and treatment, lead to a secondary environmental challenge.

By [Nishan Degnarain](#) Contributor

Foreign Affairs

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

Accessed 21 Mar 2020

[Pandemic Disease Is a Threat to National Security](#)

As the United States now grapples with the 2019 novel coronavirus (COVID-19) epidemic, the time is long past to make pandemic disease a national security priority...

Lisa Monaco

Editors' Pick |

[How Deforestation Drives The Emergence Of Novel Coronaviruses](#)

Scientists have been warning for several years that deforestation is creating an accidental laboratory for the emergence of new viruses in environments that have been altered by humans.

By Jeff McMahon Senior Contributor

Foreign Policy

<http://foreignpolicy.com/>

Accessed 21 Mar 2020 Accessed 21 Mar 2020

[No new, unique, relevant content]

The Guardian

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

Accessed 21 Mar 2020

[No new, unique, relevant content]

New Yorker

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

Accessed 21 Mar 2020

Q. & A.

[The Coronavirus and Building a Better Strategy for Fighting Pandemics](#)

“If we had got on top of this thing two months ago, America would look very, very different” right now, Ashish Jha, the director of the Harvard Global Health Institute, said.

By Isaac Chotiner March 20, 2020

New York Times

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

Accessed 21 Mar 2020

Family

[Coronavirus Vaccine Dreams](#)

If we get a vaccine for the coronavirus, it will immediately make our world a safer, easier, more reassuring place once again. That’s what vaccines do.

By Perri Klass, M.D. March 16

Health

[Trial of Coronavirus Vaccine Made by Moderna Begins in Seattle](#)

Healthy volunteers will test different doses of the first vaccine to find out if it is safe.

By Denise Grady

Washington Post

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

Accessed 21 Mar 2020

[Where Are We in Quest for Coronavirus Drugs, Vaccine?: QuickTake](#)

Mar 19, 2020

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Think Tanks et al

Brookings

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

Accessed 21 Mar 2020

[No new relevant content]

Center for Global Development [to 21 Mar 2020]

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

Selected Publications, News and Events

[No new relevant content]

CSIS

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

Accessed 21 Mar 2020

Podcast Episode

[Coronavirus Crisis Update: Fmr. FDA Commissioner Dr. Margaret Hamburg on Testing and Where We Go From Here](#)

March 20, 2020 | By [J. Stephen Morrison](#), [H. Andrew Schwartz](#)

Council on Foreign Relations

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

Accessed 21 Mar 2020

[No new relevant content]

Kaiser Family Foundation

https://www.kff.org/search/?post_type=press-release

Accessed 21 Mar 2020

[No new relevant content]

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Support is also provided by a growing list of individuals who use this membership service to support their roles in public health, clinical practice, government, NGOs and other international institutions, academia and research organizations, and industry.

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