

Center for Vaccine  
Ethics and Policy



**Vaccines and Global Health: The Week in Review**  
**13 April 2019**  
**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.*

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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](mailto:david.r.curry@centerforvaccineethicsandpolicy.org).*

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## ***Milestones :: Perspectives :: Research***

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### **DRC – Ebola**

#### **[36: Situation report on the Ebola outbreak in North Kivu](#)**

9 April 2019

##### ***Situation update***

The recent escalation in the number of Ebola virus disease (EVD) cases continues in the North Kivu provinces of the Democratic Republic of the Congo. This past week saw 65 new confirmed cases reported in the last seven days, predominantly from the areas of Katwa, Mandima, Butembo, and Vuhovi...

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#### **[IFRC - DR Congo: "Ebola is spreading faster, and many people are no longer seeking care"](#)**

Nairobi/Geneva, 11 April 2019 –The deadly Ebola outbreak in the Democratic Republic of the Congo is worsening as trust in the response effort falters, says the International Federation of Red Cross and Red Crescent Societies.

This warning follows confirmation of 18 new Ebola cases on Tuesday (9 April) – the highest single day figure in the now eight month-long outbreak. DR Congo's Health Ministry also reported that 10 died people from Ebola on Tuesday, including eight who died in their communities having not sought treatment and support.

"This is a very distressing development," said Emanuele Capobianco, IFRC's Director of Health and Care. "The bottom line is that Ebola is now spreading faster, and many people are no longer seeking care. It is clear that some vulnerable communities do not trust Ebola responders."

Redoubling efforts to engage with these communities is critical, according to Capobianco. "Trust can be built by going community to community, working with local leaders and villagers, listening to their concerns with empathy, and incorporating their feedback and preferences into how we work," he said.

In-depth community engagement is central to the Red Cross operation in North Kivu and Ituri provinces in eastern DR Congo, where more than 700 Red Cross volunteers from Ebola-affected communities are at work. They have reached more than 1 million people with locally adapted information and have collected more than 130,000 "pieces" of community feedback...

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#### **[Statement on the meeting of the International Health Regulations \(2005\) Emergency Committee for Ebola virus disease in the Democratic Republic of the Congo on 12th April 2019](#)**

12 April 2019 *Statement Geneva*

The meeting of the Emergency Committee convened by the WHO Director-General under the International Health Regulations (IHR) (2005) regarding Ebola virus disease (EVD) in the Democratic Republic of the Congo took place on Friday, 12th April, 2019, from 13:00 to 17:20 Geneva time (CET).

***Key Findings:***

It was the view of the Committee the ongoing Ebola outbreak in North Kivu and Ituri provinces of the Democratic Republic of the Congo **does not constitute a Public Health Emergency of International Concern (PHEIC). However, the Committee wished to express their deep concern about the recent increase in transmission in specific areas, and therefore the potential risk of spread to neighbouring countries.**

The Committee also wishes to commend the efforts of responders from the government of the Democratic Republic of Congo, the World Health Organization and partners to contain the outbreak in a complex and difficult setting.

**Additionally, the Committee has provided the following public health advice:**

:: The committee advises to redouble efforts to detect cases as early as possible, identify and follow up all contacts, ensure the highest level of coverage vaccination of all contacts and contacts of contacts.

:: Sustained efforts must be made to prevent nosocomial transmission and to shorten time between onset of disease and access to high standards of care and therapeutics at Ebola treatment units.

:: Special emphasis should be placed on addressing the rise in case numbers in the remaining epicentres, notably Butembo, Katwa, Vuhovi, and Mandima.

**:: The Committee advises WHO and all partners to identify, target, and scale up community dialogue and participation, engagement of traditional healers, and other community engagement tactics to strengthen and broaden community acceptance.**

**:: The Committee also noted the need to follow the recommendations of SAGE with regards to the vaccination strategy provided at its latest meeting.**

**:: The safety of responders should be prioritized, while avoiding the securitization of the response.**

**:: Because there is a very high risk of regional spread, neighbouring countries should continue to accelerate current preparedness and surveillance efforts,** including vaccination of health care workers and front-line workers in surrounding countries.

:: Cross-border collaboration should continue to be strengthened, including timely sharing of data and alerts, cross-border community engagement and awareness raising. In addition, work should be done to better map population movements and understand social networks bridging national boundaries.

:: The Committee maintains its previous advice that it is particularly important that no international travel or trade restrictions should be applied. Exit screening, including at airports, ports, and land crossings, is of great importance; however, entry screening, particularly in distant airports, is not considered to be of any public health or cost-benefit value.

:: The committee strongly emphasized the critical need to strengthen current efforts in both preparedness and response. This will require substantial, immediate and sustained additional financial support.

:: While there is no added benefit to declaring a PHEIC at this stage, there was concern about current levels of transmission requiring close attention to the evolving situation. The committee advised the WHO Director General to continue to monitor the situation closely and reconvene the Emergency Committee as needed.

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## **OCV – Cyclone Idai**

### **[Fast rollout of cholera vaccines for people in need in Mozambique](#)**

10 April 2019, Maputo - The Ministry of Health in Mozambique has concluded a successful six-day emergency cholera vaccination campaign that reached more than 800 000 people in four districts affected by Cyclone Idai.

The campaign was supported by around 1200 community volunteers and partners including the World Health Organization (WHO), UNICEF, Médecins Sans Frontières (MSF), International Federation of the Red Cross and Red Crescent Societies (IFRC) and Save the Children.

“From start to finish, this campaign was one of the fastest ever, thanks to experienced people at the Ministry of Health, who knew there was a high risk of a cholera outbreak and made a rapid request for the vaccines as soon as the cyclone hit,” says Dr Djamila Cabral, Head of the WHO office in Mozambique. “The Ministry did an excellent job organizing the campaign and reaching so many people in such a short time. The oral cholera vaccine is one of the vital measures that can help save lives and stop the spread of this terrible disease during an outbreak.”

The oral cholera vaccines, donated by Gavi from the Global Cholera Vaccine Stockpile, arrived in Beira on Tuesday 2 April and, within 24 hours, began reaching people in need.

The vaccines were given to communities identified by the Government at highest risk – those without access to safe water and sanitation - in Beira, Dondo, Nhamatanda and Buzi districts.

Vaccine uptake has been very high and the campaign has been well received by the communities. Remaining vaccines will be used for other at-risk communities that were not reached by the initial campaign...

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## **Humanitarian mechanism for vaccines used for first time in Europe to counter high prices - MSF**

:: A new humanitarian mechanism for vaccines has been used for the first time in Europe, allowing MSF to vaccinate refugee children in Greece at an affordable price.

:: Children were vaccinated with the pneumococcal conjugate vaccine, which is usually prohibitively expensive in Europe.

:: We urge for more vaccines to be included in the humanitarian mechanism, allowing children to be protected against more diseases.

Press Release 12 April 2019 Athens — Médecins Sans Frontières (MSF) has started vaccinating refugee children on the Greek islands of Chios, Samos and Lesbos using a programme set up to allow children in humanitarian emergencies to access the pneumococcal conjugate vaccine (PCV) [at an affordable price](#).

This marks the first time the 'Humanitarian Mechanism' is used in a high-income country—the programme offers the vaccine at a special reduced price of about US\$9 per child (for the three doses needed for full immunisation) for humanitarian use by civil society organisations and UN agencies. Pneumonia remains the single largest killer of children under five worldwide, and children living in precarious conditions—including those in refugee camps—are at particularly high risk.

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## **Featured Journal Content**

### **Science**

12 April 2019 Vol 364, Issue 6436

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

*EDITORIAL*

### **Reverse global vaccine dissent**

Heidi J. Larson<sup>1</sup>, William S. Schulz<sup>2</sup>

*[See Milestones above for full text]*

This year, the World Health Organization named vaccine hesitancy as one of the top 10 global health threats, alongside threats as grave as climate change, antimicrobial resistance, Ebola virus, and the next influenza pandemic. What happened? How did vaccine reluctance and refusal become such a major risk?

The concerns driving antivaccine sentiment today are diverse. For example, from 2003 to 2004, a vaccine boycott in Nigeria's Kano State sparked the retransmission of polio across multiple countries as far as Indonesia. Rumors of vaccine contamination with antifertility agents contributed to distrust and reinforced the boycott, costing the Global Polio Eradication Initiative over U.S. \$500 million to regain the progress that was lost. In Japan, vaccination against human papilloma virus plummeted to almost zero after young women complained of movement disorders and chronic pain, causing the government to suspend proactive recommendation of the vaccine nearly 6 years ago. Similar episodes occurred in Denmark, Ireland, and Colombia as YouTube videos of the girls' symptoms spread anxiety, despite evidence of the vaccine's safety.

The global surge in measles outbreaks has been exacerbated by vaccine refusers. In 2015, the measles strain that sparked the Disneyland outbreak came from visitors from the Philippines, infecting people who had refused vaccination. And in Indonesia, Muslim leaders issued a fatwa against a measles vaccine containing “haram” porcine compounds, while naturopathic “cupping” methods were promoted on Facebook as an alternative to vaccination. In 2018, a mix of political, religious, and alternative health antivaccine messages circulated on WhatsApp and Facebook in Southern India, disrupting a local measles-rubella vaccination campaign.

The phenomenon of vaccine dissent is not new. The pages of 18th-century London antivaccination pamphlets bristle with many of today's memes, but these ideas now spread over unprecedented distances with remarkable speed, clustering in online neighborhoods of shared beliefs. This clustering can tear the protective fabric—the “herd (community) immunity”—that the majority of vaccine acceptors have woven. As the portion of the community that is vaccinated decreases, there is less protection for others who may be too young, unable, or choose not to be vaccinated. For some diseases, it only takes a small minority to disrupt the protective cover.

It is just over 20 years since British physician Andrew Wakefield sowed seeds of doubt about the safety of the MMR (measles, mumps, rubella) vaccine, suggesting a link between the vaccine and autism. Suspicions around the vaccine traveled globally, instilling anxiety among the most and least educated alike. The discredited Wakefield alone, though, cannot be blamed for today's waves of vaccine discontent. He seeded a message on the eve of a technological revolution that disrupted business, politics, societies, and global health. The same year that Wakefield published his research, Google opened its doors. The launches of Facebook, YouTube, Twitter, and Instagram soon followed. These social media platforms have magnified individual sentiments that might have stayed local. Emotions are particularly contagious on social media, where personal narrative, images, and videos are shared easily.

Today's tech companies are now being called to account for their role in spreading vaccine dissent. Last month, the American Medical Association urged the chief executives of key technology companies to “ensure that users have access to scientifically valid information on vaccinations.” But this is not merely an issue of correcting misinformation. There are social networks in which vaccine views and information are circulating in online communities, where vaccine choices become part of one's overall identity.

To mitigate the globalization of vaccine dissent, while respecting legitimate sharing of concerns and genuine questions, a mix of relevant expertise is needed. Technology experts, social scientists, vaccine and public health experts, and ethicists must convene and take a hard look at the different roles each group has in addressing this challenge. It needs everyone's attention.

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## **Emergencies**

### **POLIO**

*Public Health Emergency of International Concern (PHEIC)*

**[Polio this week as of 10 April 2019](#)**

:: The report by the Director-General World Health Organization on the eradication of poliomyelitis is online, ahead of the 72nd World Health Assembly scheduled for May 2019. The report summarizes the remaining challenges to a polio-free world and presents the main elements of the new [GPEI Polio Endgame Strategy 2019-2023](#).

:: An Independent Outbreak Response Assessment (OBRA) took place in Kinshasa, Democratic Republic of Congo on 5 April 2019. The OBRA was carried out to evaluate the quality of the response to the VDPV2 epidemic in the DRC and make the necessary recommendations to interrupt the transmission as soon as possible.

:: The Inaugural WHO Partners Forum convened in Stockholm, Sweden between 8-11 April 2019 with an aim to start a series of conversations with partners to help WHO meet the strategic goals as committed in the Thirteenth General Programme of Work (GPW13) for 2019-2023. The two-day meeting highlighted WHO's impact on global health, encouraged support from WHO partners to enhance the quality and quantity of resources, and take stock of the innovations and lessons learned to strengthen partnerships and financing activities. [Read more here](#).

*Summary of new viruses this week:*

:: **Pakistan** – four WPV1-positive environmental samples

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#### ***Editor's Note:***

*WHO has posted a [refreshed emergencies page](#) which presents an updated listing of Grade 3,2,1 emergencies as below.*

**[WHO Grade 3 Emergencies](#)** [to 13 Apr 2019]

#### **Bangladesh - Rohingya crisis**

:: [Bi-weekly Situation Report 6 - 2 April 2019 pdf, 734kb](#)

#### **Cyclone Idai**

:: [Fast rollout of cholera vaccines for people in need in Mozambique](#) 10 April 2019, Maputo  
*[See Milestones above for detail]*

#### **Democratic Republic of the Congo**

:: [Statement on the meeting of the International Health Regulations \(2005\) Emergency Committee for Ebola virus disease in the Democratic Republic of the Congo on 12th April 2019](#)  
12 April 2019 Statement Geneva

:: [36: Situation report on the Ebola outbreak in North Kivu](#) 9 April 2019

:: [DONs - Ebola virus disease – Democratic Republic of the Congo](#) 11 April 2019  
*[See Ebola above for detail]*

#### **South Sudan**

:: [The Ministry of Health with support from WHO and partners investigates a cluster of unexplained deaths in Jie payam, Kapoeta East](#) 8 April 2019

[Myanmar](#) - No new digest announcements identified

[Nigeria](#) - No new digest announcements identified

Somalia - 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 13 Apr 2019]

**Brazil (in Portugese)**

:: Brasil lança campanha de vacinação contra a influenza 10 de abril de 2019

**Cameroon**

:: As internally displaced persons reach nearly 1 million in Ethiopia, WHO reinforces medical supplies 8 April 2019

**Iraq**

:: WHO sends shipment of kits and medical supplies to Missan governorate Baghdad 8 April 2019 – Responding to the needs of the Directorate of Health in Missan following the recent floods that hit the area, WHO, with the generous support of donors, sent a large consignment of emergency kits and medical supplies on 4 April to support the Directorate, 304 kilometres south east of Baghdad...

**Libya**

:: Amid Tripoli clashes, WHO rushes medical aid to the wounded in Libya Tripoli, 11 April – As clashes around Tripoli continued and the number of wounded rose to the hundreds, WHO reacted swiftly to provide field hospitals and ambulances with critically-needed life saving supplies.

**occupied Palestinian territory**

:: Mobile clinic brings mammography services to remote communities in the West Bank April 2019

**Sudan**

:: Sudan prepares to vaccinate over 11 million children against measles and polio 8 April 2019

Central African Republic - *No new digest announcements identified*

Ethiopia - *No new digest announcements identified*

MERS-CoV - *No new digest announcements identified*

Niger - *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 13 Apr 2019]

Afghanistan - *No new digest announcements identified*

Chad - *No new digest announcements identified*

Indonesia - Sulawesi earthquake 2018 - *No new digest announcements identified*

Kenya - *No new digest announcements identified*

Lao People's Democratic Republic - *No new digest announcements identified*  
Mali - *No new digest announcements identified*  
Namibia - viral hepatitis - *No new digest announcements identified*  
Peru - *No new digest announcements identified*  
Philippines - Typhoon Mangkhut - *No new digest announcements identified*  
Tanzania - *No new digest announcements identified*

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## **WHO AFRO - Outbreaks and Emergencies Bulletin** **Week 14: 01-07 April 2019**

The WHO Health Emergencies Programme is currently monitoring 65 events in the region. This week's edition covers key new and ongoing events, including:

- :: Ebola virus disease outbreak in the Democratic Republic of the Congo
- :: Cyclone Idai in Southern Africa (Mozambique, Zimbabwe and Malawi)
- :: Humanitarian crisis in Cameroon
- :: Humanitarian crisis in Ethiopia.

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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**

- :: 12 April 2019 Mozambique: Cyclone Idai & Floods Situation Report No. 10
- :: 12 April 2019 Zimbabwe: Floods Situation Report No. 2, As of 10 April 2019
- :: 10 April 2019 Southern Africa: Cyclone Idai Snapshot (as of 9 April 2019)

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## **WHO & Regional Offices** [to 13 Apr 2019]

12 April 2019 *Statement*

**Statement on the meeting of the International Health Regulations (2005) Emergency Committee for Ebola virus disease in the Democratic Republic of the Congo on 12th April 201**

*[See DR Congo – Ebola above for more detail]*

9 April 2019 *News release*

**[Inaugural WHO Partners Forum launches new push for collaboration on global health](#)**

To meet the world's most pressing health challenges, WHO, governments and global health leaders today called for improved partnerships and resourcing to support WHO's mission to deliver care, services and protection for billions of people by 2023.

The inaugural two-day WHO Partners Forum opens Tuesday (9 April) in Stockholm and will be co-hosted with the Government of Sweden.

The meeting will result in a shared understanding of how to strengthen partnerships and improve effective financing of WHO, with an emphasis on predictability and flexibility.

...Other participants in the Inaugural WHO Partners Forum include leadership of the Global Fund to Fight AIDS, Tuberculosis and Malaria, the Bill & Melinda Gates Foundation, International Federation of Red Cross and Red Crescent Societies and Gavi, the Vaccine Alliance.

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**[Weekly Epidemiological Record, 5 April 2019, vol. 94, 14/15 \(pp. 169–188\)](#)**

:: [Surveillance to track progress towards polio eradication worldwide, 2017–2018](#)

:: [Epidemic meningitis control in countries in the African meningitis belt, 2018](#)

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**IVB Calls for consultants / proposals**

11 April 2019

**[Estimating coverage of pipeline vaccine products and delivery technologies](#)**

Deadline for applications: 3 May 2019

11 April 2019

**[Consultant to assist with developing guidance materials, tools and strategies for the optimal use of new and under-utilized vaccinespdf, 401kb](#)**

Deadline for applications: 25 April 2019

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**WHO Regional Offices**

*Selected Press Releases, Announcements*

**[WHO African Region AFRO](#)**

:: [WHO and partners successfully vaccinate over 400,000 children against Measles in Borno State -Target 838,582 children more.](#) 12 April 2019

:: [Ghana announces the roll out of Malaria Vaccine Implementation Programme \(MVIP\)](#)

11 April 2019

:: [Mauritius launched its Seasonal Influenza Vaccination Programme for 2019](#) 11 April 2019

:: [Fast rollout of cholera vaccines for people in need in Mozambique](#) 10 April 2019

**[WHO Region of the Americas PAHO](#)**

:: [PHC 30-30-30, PAHO's new Regional Compact on Primary Health Care for Universal Health](#) (04/11/2019)

### **WHO South-East Asia Region SEARO**

:: Quality primary care key to advancing universal health coverage: WHO SEAR/PR/1709  
New Delhi, 5 April 2019: The World Health Organization today said quality healthcare services for people at the community level across all age groups, wherever they live and whenever they need them, without financial hardship, is fundamental to advancing universal health coverage for achieving health and well-being of everyone, everywhere...

### **WHO European Region EURO**

:: Ukraine's Affordable Medicines Programme shown to have significantly improved access to medicines 12-04-2019  
:: Member States urged to ramp up fight against noncommunicable diseases 12-04-2019  
:: Small countries of the WHO European Region exchange ideas and experiences of equity, sustainable development 09-04-2019  
:: WHO urges stronger action to reduce deaths from noncommunicable diseases in Europe by one third 09-04-2019

### **WHO Eastern Mediterranean Region EMRO**

:: WHO Regional Director expresses solidarity with flood victims in Islamic Republic of Iran April 11, 2019  
:: WHO sends medical aid to Libya amid clashes in Tripoli 11 April 2019  
:: Polio vaccination campaign to vaccinate more than 6 million children in Iraq 11 April 2019  
:: WHO airlifts medical supplies for flood response in Islamic Republic of Iran 10 April 2019

### **WHO Western Pacific Region**

*No new digest content identified.*

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### **CDC/ACIP** [to 13 Apr 2019]

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

*No new digest content identified.*

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### **Africa CDC** [to 13 Apr 2019]

<https://au.int/en/africacdc>  
*No new digest content identified.*

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### **China CDC**

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

*New website launched...no "news" or "announcements" page identified. Link to National Health Commission of the People's Republic of China not responding at inquiry [13 Apr 2019]*

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## **Announcements**

**Paul G. Allen Frontiers Group** [to 13 Apr 2019]

<https://www.alleninstitute.org/news-press/>

*No new digest content identified.*

**BMGF - Gates Foundation** [to 13 Apr 2019]

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

*No new digest content identified.*

**Bill & Melinda Gates Medical Research Institute** [to 13 Apr 2019]

<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 13 Apr 2019]

<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 13 Apr 2019]

<http://cepi.net/>

No new digest content identified.

**Clinton Health Access Initiative, Inc. (CHAI)** [to 13 Apr 2019]

<https://clintonhealthaccess.org/about/>

*No new digest content identified.*

**EDCTP** [to 13 Apr 2019]

<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 13 Apr 2019]

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

*No new digest content identified.*

**European Medicines Agency** [to 13 Apr 2019]

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

*News and press releases*

*No new digest content identified.*

**European Vaccine Initiative** [to 13 Apr 2019]

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

*Latest news*

**[New Project Manager vacancy at EVI](#)**

10 April 2019

EVI has an exciting new Project Manager position. Deadline for applications: 6th May 2019, 17:00 CET.

**FDA** [to 13 Apr 2019]

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

*No new digest content identified.*

**Fondation Merieux** [to 13 Apr 2019]

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

*No new digest content identified.*

**Gavi** [to 13 Apr 2019]

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

*Latest News*

*No new digest content identified.*

**GHIT Fund** [to 13 Apr 2019]

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

*GHIT was set up in 2012 with the aim of developing new tools to tackle infectious diseases that devastate the world's poorest people. Other funders include six Japanese pharmaceutical*

*No new digest content identified.*

**Global Fund** [to 13 Apr 2019]

<https://www.theglobalfund.org/en/news/News>  
*No new digest content identified.*

**Hilleman Laboratories** [to 13 Apr 2019]  
<http://www.hillemanlabs.org/>  
*No new digest content identified.*

**Human Vaccines Project** [to 13 Apr 2019]  
<http://www.humanvaccinesproject.org/media/press-releases/>  
*No new digest content identified.*

**IAVI** [to 13 Apr 2019]  
<https://www.iavi.org/newsroom>  
*No new digest content identified.*

**IFFIm**  
<http://www.iffim.org/library/news/press-releases/>  
*No new digest content identified.*

**IFRC** [to 13 Apr 2019]  
<http://media.ifrc.org/ifrc/news/press-releases/>  
*Selected Press Releases, Announcements  
Democratic Republic of the Congo*

**[DR Congo: "Ebola is spreading faster, and many people are no longer seeking care"](#)**

Nairobi/Geneva, 11 April 2019 –The deadly Ebola outbreak in the Democratic Republic of the Congo is worsening as trust in the response effort falters, says the International Federation of Red Cross and Red Crescent Societies.

*[See DR Congo - Ebola above for details]*

**IVAC** [to 13 Apr 2019]  
<https://www.jhsph.edu/research/centers-and-institutes/ivac/index.html>  
*No new digest content identified.*

**IVI** [to 13 Apr 2019]  
<http://www.ivi.int/>  
*IVI News & Announcements  
[Undated]*

**[Experts find evidence of underfunding in rheumatic heart disease research](#)**

IVI's Director General, Dr. Jerome Kim was a member of the team of experts that looked at the underfunding of rheumatic heart disease (RHD) research.

RHD, a long-term consequence of *Streptococcus pyogenes* (Group A streptococcus, or GAS) infection, is estimated to affect at least 33 million people globally, causing approximately 300,000 deaths yearly. Despite this huge disease burden, RHD continues to receive relatively little attention from both researchers and the global health community. This translates into little funding, which limits the opportunities for innovations in disease control.

By comparing 16 major tropical diseases, using data from the Global Burden of Disease Study and funding from the G-FINDER database, the team established that RHD is the least-funded illness relative to its disease burden. The study was published in the *Transactions of The Royal Society of Tropical Medicine and Hygiene* on March 30, 2019 and can be accessed at: <https://doi.org/10.1093/trstmh/trz014>

**JEE Alliance** [to 13 Apr 2019]

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

*Selected News and Events*

*No new digest content identified.*

**MSF/Médecins Sans Frontières** [to 13 Apr 2019]

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

*Selected News; Project Updates, Reports [as presented on website]*

*Press Release 12 April 2019*

**[Humanitarian mechanism for vaccines used for first time in Europe to counter high prices](#)**

*[See Milestones above for detail]*

*Cyclone Idai & Southern Africa flooding*

**[From emergency to recovery: Mozambique one month after Cycl...](#)**

*Project Update 12 Apr 2019*

*Cyclone Idai & Southern Africa flooding*

**[Chimanimani: A community in distress after Cyclone Idai](#)**

*Project Update 10 Apr 2019*

*Child health*

**["Children with chronic diseases need our attention"](#)**

*Interview 9 Apr 2019*

**NIH** [to 13 Apr 2019]

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

*Monday, April 8, 2019*

**[Scientists review influenza vaccine research progress and opportunities](#)**

*What*

In a new series of articles, experts in immunology, virology, epidemiology, and vaccine development detail efforts to improve seasonal influenza vaccines and ultimately develop a universal influenza vaccine. The 15 articles are part of a supplement in the April 15 issue of the *Journal of Infectious Diseases*. Researchers from the National Institute of Allergy and Infectious

Diseases (NIAID), part of the National Institutes of Health, and scientists supported by NIAID, are among the contributing authors. Barney S. Graham, M.D., Ph.D., deputy director of NIAID's Vaccine Research Center (VRC), and Michelle C. Crank, M.D., head of the Translational Sciences Core in the VRC's Viral Pathogenesis Laboratory, edited the supplement.

#### Articles

Articles in the supplement from NIAID experts include:

CI Paules and AS Fauci. Influenza vaccines: good, but we can do better. *Journal of Infectious Diseases* DOI: 10.1093/infdis/jiy633 (2019)

CM Saad-Roy et al. Dynamic perspectives on the search for a universal influenza vaccine. *Journal of Infectious Diseases* DOI: 10.1093/infdis/jiz044 (2019)

DM Morens and JK Taubenberger. Making universal influenza vaccines: lessons from the 1918 pandemic. *Journal of Infectious Diseases* DOI: 10.1093/infdis/jiy728 (2019)

MC Crank et al. Preparing for the next influenza pandemic: the development of a universal influenza vaccine. *Journal of Infectious Diseases* DOI: 10.1093/infdis/jiz043 (2019)

M Kanekiyo et al. New vaccine design and delivery technologies. *Journal of Infectious Diseases* DOI: 10.1093/infdis/jiy745 (2019)

April 9, 2019

#### **NIH researchers make progress toward Epstein-Barr virus vaccine**

##### *What*

A research team led by scientists from NIH's National Institute of Allergy and Infectious Diseases (NIAID) has determined how several antibodies induced by Epstein-Barr virus (EBV), a herpesvirus that causes infectious mononucleosis and is associated with certain cancers, block infection of cells grown in the laboratory. They then used this information to develop novel vaccine candidates that, in animals, elicited potent anti-EBV antibody responses that blocked infection of cell types involved in EBV-associated cancers.

Currently, there is no licensed vaccine for EBV. The virus is associated with certain cancers (nasopharyngeal and gastric) of epithelial cells, which form the lining of the body's surfaces, as well as Burkitt and Hodgkin lymphomas, which are cancers of the immune system's B cells. Worldwide, about 200,000 cases of EBV-associated cancers occur annually, resulting in 140,000 deaths

##### *Article*

W Bu et al. Immunization with components of the viral fusion apparatus elicits antibodies that neutralize Epstein-Barr virus in B cells and epithelial cells. *Immunity* DOI: 10.1016/j.immuni.2019.03.010 (2019).

**PATH** [to 13 Apr 2019]

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

April 10, 2019 by PATH

#### **PATH applauds reintroduction of Global Health Security Act in U.S. Congress**

Washington, D.C., April 10, 2019 — PATH applauds the bipartisan reintroduction of the Global Health Security Act in the U.S. Congress by Representatives Gerry Connolly (D-VA) and Steve Chabot (R-OH). The legislation aims to reaffirm U.S. government commitments to global health security that were made in the wake of the 2014-2016 West Africa Ebola crisis. As a leading funder and technical expert in the management of infectious disease outbreaks, the U.S. government plays a vital leadership role in today's volatile world of more frequent and severe outbreaks...

April 8, 2019 by PATH

**[PATH CEO to step down at end of 2019; search underway for new CEO](#)**

Seattle, WA, March 8, 2019 – PATH announced today that President and CEO Steve Davis plans to step down at the end of 2019, after more than seven years leading the organization. Mr. Davis will continue to oversee PATH until a new CEO is in place, and will support the transition as a new leader comes on board. A global search will commence today to select his successor...

**Sabin Vaccine Institute** [to 13 Apr 2019]

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

*No new digest content identified.*

**UNAIDS** [to 13 Apr 2019]

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

*Selected Press Releases/Reports/Statements*

12 April 2019

**[Malawi launches its health situation room](#)**

11 April 2019

**[Scaling up stigma-free services for women in Egypt](#)**

8 April 2019

**[Burkina Faso piloting PrEP](#)**

8 April 2019

**[HIV: a heavy burden on many cities](#)**

**UNICEF** [to 13 Apr 2019]

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

*Selected Statements, Press Releases, Reports  
Statement*

**[Nearly half a million children in Tripoli at immediate risk](#)**

Statement by Abdel-Rahman Ghandour, UNICEF Special Representative in Libya  
09/04/2019

*Press release*

**[175 million children are not enrolled in pre-primary education – UNICEF](#)**

UNICEF's first-ever global report dedicated to early childhood education highlights a lack of investment in pre-primary by the majority of governments worldwide  
08/04/2019

*Press release*

**[World Bank and UNICEF partner to promote education, skills and training for young people](#)**

World Bank to invest \$1 billion to boost job prospects for young people in alignment with Generation Unlimited  
09/04/2019

*Press release*

**[Climate change threatens lives and futures of over 19 million children in Bangladesh](#)**

UNICEF report calls for urgent action to keep children safe and mitigate impact on vital services

**Vaccine Confidence Project** [to 13 Apr 2019]

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

*Editorial*

**[Reverse global vaccine dissent](#)**

Larson HJ, Schulz WS. 2019 *SCIENCE* VOL 364 ISSUE 6436

**Vaccine Education Center – Children’s Hospital of Philadelphia** [to 13 Apr 2019]

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

Published on Apr 10, 2019

**[Measles Outbreaks](#)**

In this video, Dr. Offit explains who may need measles vaccines during an outbreak. The accompanying article includes what you need to know about measles disease, the vaccine that helps to prevent it, and considerations for both vaccinated and unvaccinated individuals during an outbreak.

**Wellcome Trust** [to 13 Apr 2019]

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

*No new digest content identified.*

**The Wistar Institute** [to 13 Apr 2019]

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

*No new digest content identified.*

**World Organisation for Animal Health (OIE)** [to 13 Apr 2019]

<http://www.oie.int/en/for-the-media/press-releases/2019/>

*No new digest content identified.*

.....

**BIO** [to 13 Apr 2019]

<https://www.bio.org/insights/press-release>

*No new digest content identified.*

**DCVMN – Developing Country Vaccine Manufacturers Network** [to 13 Apr 2019]

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

*No new digest content identified.*

**IFPMA** [to 13 Apr 2019]

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

*No new digest content identified.*

**PhRMA** [to 13 Apr 2019]

<http://www.phrma.org/press-room>

*No new digest content identified.*

**Industry Watch** [to 13 Apr 2019]

:: [\*\*Pfizer Announces Presentation of Data from a Phase 2 Study of its 20-Valent Pneumococcal Conjugate Vaccine Candidate Being Investigated for the Prevention of Invasive Disease and Pneumonia in Adults Aged 18 Years and Older\*\*](#)

*The U.S. FDA awarded Breakthrough Therapy Designation for this potential indication based on these Phase 2 data*

*The Biologics License Application is expected to be submitted to the U.S. FDA by the end of 2020, subject to the successful completion of Phase 3 studies*

April 13, 2019

\* \* \* \*

### ***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](mailto:david.r.curry@centerforvaccineethicsandpolicy.org)

### **American Journal of Infection Control**

April 2019 Volume 47, Issue 4, p351-478

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

[Reviewed earlier]

### **American Journal of Preventive Medicine**

April 2019 Volume 56, Issue 4, p477-630

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

[Reviewed earlier]

### **American Journal of Public Health**

April 2019 109(4)  
<http://ajph.aphapublications.org/toc/ajph/current>  
[Reviewed earlier]

**American Journal of Tropical Medicine and Hygiene**  
Volume 100, Issue 4, 2019  
<http://www.ajtmh.org/content/journals/14761645/100/4>  
[Reviewed earlier]

**Annals of Internal Medicine**  
2 April 2019 Vol: 170, Issue 7  
<http://annals.org/aim/issue>  
[Reviewed earlier]

**BMC Cost Effectiveness and Resource Allocation**  
<http://resource-allocation.biomedcentral.com/>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

**BMJ Global Health**  
March 2019 - Volume 4 - 2  
<https://gh.bmj.com/content/4/2>  
[Reviewed earlier]

**BMC Health Services Research**  
<http://www.biomedcentral.com/bmchealthservres/content>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

**BMC Infectious Diseases**  
<http://www.biomedcentral.com/bmcinfectdis/content>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

**BMC Medical Ethics**  
<http://www.biomedcentral.com/bmcmedethics/content>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

**BMC Medicine**

<http://www.biomedcentral.com/bmcmed/content>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

### **BMC Pregnancy and Childbirth**

<http://www.biomedcentral.com/bmcpregnancychildbirth/content>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

### **BMC Public Health**

<http://bmcpublichealth.biomedcentral.com/articles>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

### **BMC Research Notes**

<http://www.biomedcentral.com/bm Cresnotes/content>  
(Accessed 13 Apr 2019)  
[No new digest content identified]

### **BMJ Open**

April 2019 - Volume 9 - 4  
<http://bmjopen.bmj.com/content/current>  
[Reviewed earlier]

### **Bulletin of the World Health Organization**

Volume 97, Number 4, April 2019, 245-308  
<https://www.who.int/bulletin/volumes/97/4/en/>  
[Reviewed earlier]

### **Child Care, Health and Development**

Volume 45, Issue 2 Pages: 147-311 March 2019  
<https://onlinelibrary.wiley.com/toc/13652214/current>  
[Reviewed earlier]

### **Clinical Therapeutics**

March 2019 Volume 41, Issue 3, p369-604  
<http://www.clinicaltherapeutics.com/current>  
[Reviewed earlier]

### **Clinical Trials**

Volume 16 Issue 2, April 2019  
<https://journals.sagepub.com/toc/ctja/16/2>  
[Reviewed earlier]

### **Conflict and Health**

<http://www.conflictandhealth.com/>  
[Accessed 13 Apr 2019]  
[No new digest content identified]

### **Contemporary Clinical Trials**

Volume 79 Pages 1-122 (April 2019)  
<https://www.sciencedirect.com/journal/contemporary-clinical-trials/vol/79/suppl/C>  
[New issue; No digest content identified]

### **Current Opinion in Infectious Diseases**

April 2019 - Volume 32 - Issue 2  
<https://journals.lww.com/co-infectiousdiseases/pages/currenttoc.aspx>  
[Reviewed earlier]

### **Developing World Bioethics**

Volume 19, Issue 1 Pages: 1-60 March 2019  
<https://onlinelibrary.wiley.com/toc/14718847/current>  
[Reviewed earlier]

### **Development in Practice**

Volume 29, Issue 3, 2019  
<http://www.tandfonline.com/toc/cdip20/current>  
[Reviewed earlier]

### **Disasters**

Volume 43, Issue 2 Pages: 219-455 April 2019  
<https://onlinelibrary.wiley.com/toc/14677717/current>  
[Reviewed earlier]

### **EMBO Reports**

Volume 20, Number 4 01 April 2019  
<http://embor.embopress.org/content/20/4?current-issue=y>  
*Science & Society*  
*Open Access*

[\*\*The Third Cognitive Revolution - The consequences and possibilities for biomedical research\*\*](#)

*The Third Cognitive Revolution poses particular challenges for biomedical research to adopt new knowledge. Interdisciplinary education at all levels would help to address these.*

EMBO Reports (2019) 20: e47647

James B Hittner, Almira L Hoogesteijn, Jeanne M Fair, Marc HV van Regenmortel, Ariel L Rivas

### **Changing times for science and the public - Science journalists' roles for the responsible communication of science**

*The increasing number of corrections in the scientific record and the debate about reproducibility affect journalists' reporting about science and thereby public opinion on scientists and research.*

EMBO Reports (2019) 20: e47906

Suzana Liskauskas, Mariana D Ribeiro, Sonia MR Vasconcelos

### **Emerging Infectious Diseases**

Volume 25, Number 4—April 2019

<http://wwwnc.cdc.gov/eid/>

[Reviewed earlier]

### **Epidemics**

Pages 1-134 (March 2019)

<https://www.sciencedirect.com/journal/epidemics/vol/26/suppl/C>

[Reviewed earlier]

### **Epidemiology and Infection**

Volume 147 - 2019

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

[Reviewed earlier]

### **Ethics & Human Research**

Volume 41, Issue 2 Pages: 1-40 March-April 2019

<https://onlinelibrary.wiley.com/journal/25782363>

***The Scientific Value and Validity of Research***

[Reviewed earlier]

### **The European Journal of Public Health**

Volume 29, Issue 1, February 2019

<https://academic.oup.com/eurpub/issue/29/1>

[Reviewed earlier]

### **Genome Medicine**

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

[Accessed 24 Nov 2018]

[No new digest content identified]

### **Global Health Action**

Volume 11, 2018 – Issue 1

<https://www.tandfonline.com/toc/zgha20/11/1?nav=toCList>

[Reviewed earlier]

### **Global Health: Science and Practice (GHSP)**

Vol. 7, No. 1 March 22, 2019

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

[Reviewed earlier]

### **Global Public Health**

Volume 14, 2019 Issue 5

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

[Reviewed earlier]

### **Globalization and Health**

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

[Accessed 24 Nov 2018]

*Research*

| 11 April 2019

#### **[Public health law coverage in support of the health-related sustainable development goals \(SDGs\) among 33 Western Pacific countries](#)**

*A resilient health system is inevitable in attaining the health-related Sustainable Development Goals (SDGs). One way of strengthening health systems is improving the coverage of public health laws for better health governance. The aim of this study is to describe the public health law situation in the Western Pacific Region and analyse the association of public health law coverage with health-related SDGs statistics.*

Authors: Yuri Lee and So Yoon Kim

### **Health Affairs**

Vol. 38 , No. 3 March 2019

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

#### ***Patients As Consumers***

[Reviewed earlier]

### **Health and Human Rights**

Volume 20, Issue 2, December 2018

<https://www.hhrjournal.org/volume-20-issue-2-december-2018/>

***Issue 20.2 features a special section: Special Section on Human Rights and the Social Determinants of Health and a General Papers section***

[Reviewed earlier]

### **Health Economics, Policy and Law**

Volume 14 - Special Issue 2 - April 2019

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

#### ***SPECIAL ISSUE: Frontiers of Health Policy Research***

If the enhancement of human freedom is both the main object and the primary means to development (Sen, [1999](#)), then good individual and population health are both ends and means to development and freedom in all countries, regardless of their current ranking on the Human Development Index or other indexes on wealth, prosperity and well-being...

This special issue on the 'frontiers in health policy research' focuses attention on three distinct areas of inquiry. One set of papers analyses efforts to improve the quality of care and increase the value of care that health systems purchase. A second set of articles focuses on issues of health behaviour and social determinants of health. Finally, the third set of articles presents differing views on how to predict the adequacy of supply of medical professionals. The range of these articles illustrates, not only the exciting breadth of health policy research, but the degree to which scholars within this field are addressing issues of high importance to policy makers around the world. We think it is fair to claim that all of the articles address issues that are on the 'frontier' of health policy in the sense that they attempt to provide answers to questions that policy makers around the world are currently grappling with...

### **Health Equity**

Volume 2, Issue 1 / December 2018

<https://www.liebertpub.com/toc/heq/2/1>

[Reviewed earlier]

### **Health Policy and Planning**

Volume 33, Issue 10, 1 December 2018

<https://academic.oup.com/heapol/issue/33/10>

[Reviewed earlier]

### **Health Research Policy and Systems**

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

[Accessed 13 Apr 2019]

[No new digest content identified]

### **Humanitarian Exchange Magazine**

Number 74, February 2019

<https://odihpn.org/magazine/communication-community-engagement-humanitarian-response/>

#### ***Communication and community engagement in humanitarian response***

This edition of Humanitarian Exchange, co-edited with Charles-Antoine Hofmann from the UN Children's Fund (UNICEF), focuses on communication and community engagement. Despite promising progress, coherent and coordinated information is still not provided systematically to

affected communities, and humanitarian responses take insufficient account of the views and feedback of affected people. In 2017, UNICEF, the International Federation of Red Cross and Red Crescent Societies (IFRC), the UN Office for the Coordination of Humanitarian Affairs (OCHA) and other partners came together under the auspices of the Communicating with Disaster Affected Communities (CDAC) Network to establish the Communication and Community Engagement (CCE) initiative, which aims to organise a collective service for communications and community engagement. The articles in this edition take stock of efforts to implement this initiative.

Drawing on lessons from 23 Peer 2 Peer Support missions, [Alice Chatelet and Meg Sattler](#) look at what's needed to integrate CCE into the humanitarian architecture. [Viviane Lucia Fluck and Dustin Barter](#) discuss the institutional and practical barriers to implementing community feedback mechanisms. [Bronwyn Russel](#) analyses the performance of the Nepal inter-agency common feedback project; [Justus Olielo and Charles-Antoine Hofmann](#) outline the challenges of establishing common services in Yemen; and [Gil Francis Arevalo](#) reports on community engagement in preparedness and response in the Philippines. [Ian McClelland and Frances Hill](#) discuss emerging findings from a strategic partnership in the Philippines between the Humanitarian Innovation Fund and the Asian Disaster Reduction and Response Network.

[Charlotte Lancaster](#) describes how call centres in Afghanistan and Iraq are enhancing two-way communication with crisis-affected people. [Mia Marzotto](#) from Translators without Borders reflects on the importance of language and translation in communication and community engagement, and [Ombretta Baggio and colleagues](#) report on efforts to bring community perspectives into decision-making during an Ebola outbreak in the Democratic Republic of Congo. [Ayo Degett](#) highlights emerging findings from a Danish Refugee Council project on participation in humanitarian settings, and [Jeff Carmel and Nick van Praag](#) report on the Listen Learn Act (LLA) project. [Geneviève Cyvoct and Alexandra T. Warner](#) write on an innovative common platform to track the views of affected people in Chad. The edition ends with an article by [Stewart Davies](#) on collective accountability in the response to the Central Sulawesi earthquake.

### **Human Vaccines & Immunotherapeutics** (formerly Human Vaccines)

Volume 15, Issue 3, 2019

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

[Reviewed earlier]

### **Infectious Agents and Cancer**

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

[Accessed 13 Apr 2019]

[No new digest content identified]

### **Infectious Diseases of Poverty**

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

[Accessed 13 Apr 2019]

[No new digest content identified]

## **International Health**

Volume 11, Issue 3, May 2019

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

*EDITORIAL*

### **[We need to monitor mortality to improve public health programs: here's why and how to do it](#)**

Charles B Holmes; [Izukanji Sikazwe](#); [Elvin Geng](#)

International Health, Volume 11, Issue 3, May 2019, Pages 159–162,

<https://doi.org/10.1093/inthehealth/ihy039>

*ORIGINAL ARTICLES*

### **[The promise, problems and pitfalls of mass drug administration for malaria elimination: a qualitative study with scientists and policymakers](#)**

Nils Kaehler; [Bipin Adhikari](#); [Phaik Yeong Cheah](#); [Nicholas P J Day](#); [Daniel H Paris](#) ...

International Health, Volume 11, Issue 3, May 2019, Pages 166–176,

<https://doi.org/10.1093/inthehealth/ihy079>

### **[Herd protection of unvaccinated adults by oral cholera vaccines in rural Bangladesh](#)**

[Mohammad Ali](#); [Peter Kim](#); [K Zaman](#); [John Clemens](#)

International Health, Volume 11, Issue 3, May 2019, Pages 229–234,

<https://doi.org/10.1093/inthehealth/ihy085>

## **International Journal of Community Medicine and Public Health**

Vol 6, No 3 (2019) March 2019

<https://www.ijcmph.com/index.php/ijcmph/issue/view/48>

[Reviewed earlier]

## **International Journal of Epidemiology**

Volume 48, Issue 1, February 2019

<https://academic.oup.com/ije/issue/48/1>

[Reviewed earlier]

## **International Journal of Human Rights in Healthcare**

Volume 12 Issue 2 2019

<https://www.emeraldinsight.com/toc/ijhrh/12/2>

[New issue; No digest content identified]

## **International Journal of Infectious Diseases**

March 2019 Volume 80, p1-152

[https://www.ijidonline.com/issue/S1201-9712\(19\)X0002-8](https://www.ijidonline.com/issue/S1201-9712(19)X0002-8)

[Reviewed earlier]

**JAMA**

April 9, 2019, Vol 321, No. 14, Pages 1325-1418

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

[New issue; No digest content identified]

**JAMA Pediatrics**

April 2019, Vol 173, No. 4, Pages 303-404

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

[Reviewed earlier]

**JBIR Database of Systematic Review and Implementation Reports**

March 2019 - Volume 17 - Issue 3

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

[Reviewed earlier]

**Journal of Adolescent Health**

April 2019 Volume 64, Issue 4, p419-546

[https://www.jahonline.org/issue/S1054-139X\(18\)X0006-8](https://www.jahonline.org/issue/S1054-139X(18)X0006-8)

[Reviewed earlier]

**Journal of Community Health**

Volume 44, Issue 2, April 2019

<https://link.springer.com/journal/10900/44/2>

[Reviewed earlier]

**Journal of Empirical Research on Human Research Ethics**

Volume 14 Issue 2, April 2019

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

[Reviewed earlier]

**Journal of Epidemiology & Community Health**

April 2019 - Volume 73 - 4

<https://jech.bmj.com/content/73/4>

[New issue; No digest content identified]

**Journal of Evidence-Based Medicine**

Volume 12, Issue 1 Pages: 1-88 February 2019

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

[Reviewed earlier]

**Journal of Global Ethics**

Volume 14, Issue 3, 2018

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

[Reviewed earlier]

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

Volume 30, Number 1, February 2019

<https://muse.jhu.edu/issue/39946>

***Black History Month Themes***

[Reviewed earlier]

**Journal of Immigrant and Minority Health**

Volume 21, Issue 2, April 2019

<https://link.springer.com/journal/10903/21/2>

[Reviewed earlier]

**Journal of Immigrant & Refugee Studies**

Volume 17, 2018\_ Issue 1

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

***Special Issue: Social Policies as a Tool of Migration Control***

[Reviewed earlier]

**Journal of Infectious Diseases**

Volume 217, Issue 11, 13 Apr 2019

<https://academic.oup.com/jid/issue/217/1>

[Reviewed earlier]

**Journal of Medical Ethics**

April 2019 - Volume 45 - 4

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

[Reviewed earlier]

**Journal of Medical Internet Research**

Vol 21, No 3 (2019): March

<https://www.jmir.org/2019/3>

[Reviewed earlier]

**Journal of Medical Microbiology**

Volume 68, Issue 3, March 2019

<https://jmm.microbiologyresearch.org/content/journal/jmm/68/3>  
[New issue; No digest content identified]

**Journal of Patient-Centered Research and Reviews**

Volume 6, Issue 1 (2019)

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

[Reviewed earlier]

**Journal of the Pediatric Infectious Diseases Society (JPIDS)**

Volume 8, Issue 1, March 2019

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

[Reviewed earlier]

**Journal of Pediatrics**

April 2019 Volume 207, p1-270

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

[New issue; No digest content identified]

**Journal of Pharmaceutical Policy and Practice**

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

[Accessed 13 Apr 2019]

[No new digest content identified]

**Journal of Public Health Management & Practice**

March/April 2019 - Volume 25 - Issue 2

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

[Reviewed earlier]

**Journal of Public Health Policy**

Volume 40, Issue 1, March 2019

<https://link.springer.com/journal/41271/40/1>

[Reviewed earlier]

**Journal of Refugee & Global Health**

Volume 2, Issue 1 (2019)

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

[Reviewed earlier]

**Journal of the Royal Society – Interface**

6 February 2019 [Volume 16 Issue 151](#)

<https://royalsocietypublishing.org/toc/rsif/16/151>

[Reviewed earlier]

### **Journal of Travel Medicine**

Volume 26, Issue 1, 2019

<https://academic.oup.com/jtm/issue/26/1>

[Reviewed earlier]

### **Journal of Virology**

April 2019; Volume 93, Issue 8

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

[New issue; No digest content identified]

### **The Lancet**

Apr 13, 2019 Volume 393 Number 10180 p1477-1568, e37

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

*Editorial*

#### **[Artificial intelligence in global health: a brave new world](#)**

The Lancet

Despite decades of progress in global health, many low and middle income countries are not reaching their health Sustainable Development Goals, creating a sense of urgency to prioritise health in resource-strained environments. The use of artificial intelligence (AI) is becoming increasingly attractive to the health-care industry. The accompanying enthusiasm remains awkwardly placed somewhere between aspiration and reality.

The [Artificial Intelligence in Global Health report](#), published on April 1, 2019, was funded by the USAID's Center for Innovation and Impact and the Rockefeller Foundation, in close coordination with the Bill & Melinda Gates Foundation. The report looks at 27 cases of AI use in health care and distils them into four key groupings—population health, patient and front-line health worker virtual assistants, and physician clinical decision support. It hypothesises how AI solutions could improve access, quality, and efficacy of global health systems while accounting for their technological maturity and feasibility. The identified challenges, the most highly volatile being privacy, ethics, and data ownership, are in line with recent [debates](#) on regulation and policy for AI technology implementation in health care. To mitigate these challenges, stakeholders would need to be held accountable and be transparent whether supporting innovation, interoperability, or capacity building. The report sets the framework for a proactive and strategic approach to accelerate the development of cost-effective use of AI in global health by investing in case-specific, systematic, and technology-related key areas.

This report outlines an aspirational yet pragmatic framework for better coordination for AI investment between donors, governments, and the private sector, while harnessing a futuristic vision—the digitisation of global health. Because the cost-effectiveness of these AI solutions has yet to be validated, the call for investments feels somewhat premature. Traditionally, the global health community is a late adopter of new technologies. Hence, it is imperative that they have

an integral and active role in the dialogue early on. As this report rightfully stipulates, technology will get there, but will the world follow?

Articles

**[Efficacy and risk of harms of repeat ivermectin mass drug administrations for control of malaria \(RIMDAMAL\): a cluster-randomised trial](#)**

*Ivermectin is widely used in mass drug administrations for controlling neglected parasitic diseases, and can be lethal to malaria vectors that bite treated humans. Therefore, it could be a new tool to reduce plasmodium transmission. We tested the hypothesis that frequently repeated mass administrations of ivermectin to village residents would reduce clinical malaria episodes in children and would be well tolerated with minimal harms.*

Brian D Foy, Haoues Alout, Jonathan A Seaman, Sangeeta Rao, Tereza Magalhaes, Martina Wade, Sunil Parikh, Dieudonné D Soma, André B Sagna, Florence Fournet, Hannah C Slater, Roland Bougma, François Drabo, Abdoulaye Diabaté, A Gafar V Couliadiaty, Noël Rouamba, Roch K Dabiré,  
Open Access

**Lancet Global Health**

Apr 2019 Volume 7 Number 4 e385-e532

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

[Reviewed earlier]

**Lancet Infectious Diseases**

Apr 2019 Volume 19 Number 4 p339-448, e109-e147

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

[Reviewed earlier]

**Lancet Respiratory Medicine**

Apr 2019 Volume 7 Number 4 p283-364, e13-e15

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

[Reviewed earlier]

**Maternal and Child Health Journal**

Volume 23, Issue 4, April 2019

<https://link.springer.com/journal/10995/23/4>

[Reviewed earlier]

**Medical Decision Making (MDM)**

Volume 39 Issue 2, February 2019

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

[Reviewed earlier]

### **The Milbank Quarterly**

*A Multidisciplinary Journal of Population Health and Health Policy*

Volume 97, Issue 1 Pages: 1-367 March 2019

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

[Reviewed earlier]

### **Nature**

Volume 568 Issue 7751, 11 April 2019

[http://www.nature.com/nature/current\\_issue.html](http://www.nature.com/nature/current_issue.html)

*World View* | 10 April 2019

#### **[Train students to navigate ethical swamps](#)**

A protocol can help with the tricky conversations essential to responsible research conduct, says Mary A. Allen.

### **Nature Biotechnology**

Volume 37 Issue 4, April 2019

<https://www.nature.com/nbt/volumes/37/issues/4>

[New issue; No digest content identified]

### **Nature Genetics**

Volume 51 Issue 4, April 2019

<https://www.nature.com/ng/volumes/51/issues/4>

[Reviewed earlier]

### **Nature Medicine**

Volume 25 Issue 4, April 2019

<https://www.nature.com/nm/volumes/25/issues/4>

[Reviewed earlier]

### **Nature Reviews Genetics**

Volume 20 Issue 4, April 2019

<https://www.nature.com/nrg/volumes/20/issues/4>

[Reviewed earlier]

### **Nature Reviews Immunology**

Volume 19 Issue 4, April 2019

<https://www.nature.com/nri/volumes/19/issues/4>

[Reviewed earlier]

### **New England Journal of Medicine**

April 11, 2019 Vol. 380 No. 15

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

*Perspective*

### **[Shifting the Paradigm — Applying Universal Standards of Care to Ebola Virus Disease](#)**

William A. Fischer, II, M.D., Ian Crozier, M.D., Daniel G. Bausch, M.D., Jean-Jacques Muyembe, M.D., Ph.D., Sabue Mulangu, M.D., Janet V. Diaz, M.D., Richard Kojan, M.D., David A. Wohl, M.D., and Shevin T. Jacob, M.D., M.P.H.

*[Conclusion]*

... It should no longer be acceptable to have two standards of care — one for patients in resource-constrained settings and another for those in countries where resources are more readily available. The ongoing response to EVD is teaching us that higher standards are no longer aspirational but are possible, and that during inevitable future outbreaks of EVD, no matter how remote the setting, we can provide people who are sick and suffering with the type of care that we would want to receive.

### **Pediatrics**

April 2019, VOLUME 143 / ISSUE 4

<https://pediatrics.aappublications.org/content/143/4?current-issue=y>

[Reviewed earlier]

### **Pharmaceutics**

Volume 11, Issue 3 (March 2019)

<https://www.mdpi.com/1999-4923/11/3>

[Reviewed earlier]

### **Pharmacoeconomics**

Volume 37, Issue 3, March 2019

<https://link.springer.com/journal/40273/37/3>

[Reviewed earlier]

### **Pharmacoeconomics & Outcomes News**

Volume 823, Issue 1, March 2019

<https://link.springer.com/journal/40274/823/1>

[Reviewed earlier]

### **PLoS Genetics**

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

[No new digest content identified]

### **PLoS Medicine**

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

(Accessed 13 Apr 2019)

[No new digest content identified]

## **PLoS Neglected Tropical Diseases**

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

(Accessed 13 Apr 2019)

*Viewpoints*

### **[Broken drug markets in infectious diseases: Opportunities outside the private sector?](#)**

Jonathan D. Alpern, Stephen J. Dunlop, William M. Stauffer

| published 11 Apr 2019 PLOS Neglected Tropical Diseases

<https://doi.org/10.1371/journal.pntd.0007190>

*Author summary*

A subset of anti-infective drugs are increasingly unavailable for patients in the United States due to pricing or withdrawal from the market. Timely market solutions are needed. We assert that solutions to ensure access to some essential anti-infective agents lie outside capital markets and that public-private partnerships may be the most viable solution.

## **PLoS One**

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

[Accessed 13 Apr 2019]

*Research Article*

### **[Knowledge, attitudes and practices of hepatitis B prevention and immunization of pregnant women and mothers in northern Vietnam](#)**

Thi T. Hang Pham, Thuy X. Le, Dong T. Nguyen, Chau M. Luu, Bac D. Truong, Phu D. Tran, Mehlika Toy, Samuel So

Research Article | published 10 Apr 2019 PLOS ONE

<https://doi.org/10.1371/journal.pone.0208154>

### **[Willingness to pay for hepatitis B vaccination in Selangor, Malaysia: A cross-sectional household survey](#)**

Yogambigai Rajamoorthy, Alias Radam, Niazlin Mohd Taib, Khalid Ab Rahim, Subramaniam Munusamy, Abram Luther Wagner, Mudatsir Mudatsir, Abdullatif Bazrbachi, Harapan Harapan

Research Article | published 09 Apr 2019 PLOS ONE

<https://doi.org/10.1371/journal.pone.0215125>

### **[Community-based surveillance: A scoping review](#)**

*Involving community members in identifying and reporting health events for public health surveillance purposes, an approach commonly described as community-based surveillance (CBS), is increasingly gaining interest. We conducted a scoping review to list terms and definitions used to characterize CBS, to identify and summarize available guidance and recommendations, and to map information on past and existing in-country CBS systems.*

José Guerra, Pratikshya Acharya, Céline Barnadas

Research Article | published 12 Apr 2019 PLOS ONE

<https://doi.org/10.1371/journal.pone.0215278>

## **PLoS Pathogens**

<http://journals.plos.org/plospathogens/>  
[Accessed 13 Apr 2019]  
[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 13 Apr 2019]  
[No new digest content identified]

**Prehospital & Disaster Medicine**

Volume 34 - Issue 1 - February 2019  
<https://www.cambridge.org/core/journals/prehospital-and-disaster-medicine/latest-issue>  
[Reviewed earlier]

**Preventive Medicine**

Volume 121 Pages 1-166 (April 2019)  
<https://www.sciencedirect.com/journal/preventive-medicine/vol/121/suppl/C>  
*Review article Abstract only*

**[Measles outbreaks in Italy: A paradigm of the re-emergence of vaccine-preventable diseases in developed countries](#)**

Alessandro Siani  
Pages 99-104

*Review article Abstract only*

**[Prenatal vaccination of mothers and hepatitis B vaccination of their infants](#)**

Erika L. Fuchs, Jonathan M. Starkey, Richard E. Rupp, Abbey B. Berenson  
Pages 68-73

*Review article Abstract only*

**[Tiempo de Vacunarte \(time to get vaccinated\): Outcomes of an intervention to improve HPV vaccination rates in a predominantly Hispanic community](#)**

J. Molokwu, A. Dwivedi, I. Mallawaarachchi, A. Hernandez, N. Shokar  
Pages 115-120

**Proceedings of the Royal Society B**

29 August 2018; volume 285, issue 1885  
<http://rspb.royalsocietypublishing.org/content/285/1885?current-issue=y>  
[Reviewed earlier]

**Public Health**

Volume 168, Pages A1-A2, 1-172 (March 2019)  
<https://www.sciencedirect.com/journal/public-health/vol/168/suppl/C>

**Travel Health**

Edited by Dipti Patel, Hilary Simons  
[Reviewed earlier]

**Public Health Ethics**

Volume 12, Issue 1, April 2019  
<http://phe.oxfordjournals.org/content/current>  
[Reviewed earlier]

**Public Health Reports**

Volume 134 Issue 2, March/April 2019  
<https://journals.sagepub.com/toc/phrg/134/2>  
[Reviewed earlier]

**Qualitative Health Research**

Volume 29 Issue 5, April 2019  
<http://qhr.sagepub.com/content/current>  
***Special Issue: Qualitative Contributions to Randomized Control Trials***  
[Reviewed earlier]

**Research Ethics**

Volume 15 Issue 2, April 2019  
<http://journals.sagepub.com/toc/reab/current>  
[Reviewed earlier]

**Reproductive Health**

<http://www.reproductive-health-journal.com/content>  
[Accessed 13 Apr 2019]  
[No new digest content identified]

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

[http://www.paho.org/journal/index.php?option=com\\_content&view=featured&Itemid=101](http://www.paho.org/journal/index.php?option=com_content&view=featured&Itemid=101)  
*Latest Articles*  
[No new digest content identified]

**Risk Analysis**

Volume 39, Issue 4 Pages: 741-956 April 2019  
<https://onlinelibrary.wiley.com/toc/15396924/current>  
[Reviewed earlier]

## **Risk Management and Healthcare Policy**

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

[No new digest content identified]

## **Science**

12 April 2019 Vol 364, Issue 6436

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

*EDITORIAL*

### **[Reverse global vaccine dissent](#)**

Heidi J. Larson<sup>1</sup>, William S. Schulz<sup>2</sup>

[See Milestones above for full text]

## **Science Translational Medicine**

10 April 2019 Vol 11, Issue 487

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

*Research Articles*

### **[Maternal immunization confers protection against neonatal herpes simplex mortality and behavioral morbidity](#)**

By Chaya D. Patel, Iara M. Backes, Sean A. Taylor, Yike Jiang, Arnaud Marchant, Jean M. Pesola, Donald M. Coen, David M. Knipe, Margaret E. Ackerman, David A. Leib

Science Translational Medicine 10 Apr 2019 Full Access

Maternal immunization confers antibody-mediated protection against neonatal HSV, preventing mortality and long-term behavioral sequelae in a mouse model.

## **Social Science & Medicine**

Volume 225 Pages 1-138 (March 2019)

<https://www.sciencedirect.com/journal/social-science-and-medicine/vol/225/suppl/C>

[Reviewed earlier]

## **Systematic Reviews**

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

[Accessed 13 Apr 2019]

*Methodology*

### **[Searching for health equity: validation of a search filter for ethnic and socioeconomic inequalities in transport](#)**

*Efforts to improve health equity should be informed by the best available evidence. However, equity-related research is inconsistently indexed, and uses a variety of terms to describe key concepts, making it difficult to reliably identify all relevant studies. We report the development and validation of a search strategy for studies investigating whether the effects of interventions differ by ethnicity or socio-economic status, using the field of transport and health as an example.*

Authors: Jamie Hosking, Alexandra Macmillan, Rhys Jones, Shanthi Ameratunga and Alistair Woodward

Citation: Systematic Reviews 2019 8:94  
Published on: 11 April 2019

### **Travel Medicine and Infectious Diseases**

Volume 28 Pages 1-120 (March–April 2019)

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

[Reviewed earlier]

### **Tropical Medicine & International Health**

Volume 24, Issue 4 Pages: i-iv, 379-501 April 2019

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

[Reviewed earlier]

### **Vaccine**

Volume 37, Issue 17 Pages 2285-2426 (17 April 2019)

<https://www.sciencedirect.com/journal/vaccine/vol/37/issue/17>

*Discussion No access*

#### **[Avoiding preventable deaths: The scourge of counterfeit rabies vaccines](#)**

Emma Taylor, Ashley C. Banyard, Hervé Bourhy, Florence Cliquet, ... Anthony R. Fooks  
Pages 2285-2287

*Short communication Abstract only*

#### **[Management of reduced vaccine coverage due to 6 years of failure to vaccinate - The Codroipo case, Italy](#)**

Laura Brunelli, Federico Romanese, Pier Paolo Benetollo, Andrea Iob, ... Erica Vacchiano  
Pages 2294-2297

*Review article Abstract only*

#### **[Systematic review of health economic evaluation studies of dengue vaccines](#)**

Patrícia Coelho de Soárez, Aline Blumer Silva, Bruno Azevedo Randi, Laura Marques Azevedo, ... Ana Marli Christovam Sartori

Pages 2298-2310

*Objectives*

To review the literature on economic evaluation of dengue vaccination to produce evidence to support a local cost-effectiveness study and to subsidize the decision to introduce a dengue vaccine in the Brazilian National Immunization Program. Methods: We systematically searched multiple databases (MEDLINE (via PubMed), EMBASE, SCOPUS, NHS Economic Evaluation Database (NHS EED), HTA Database (via Centre for Reviews and Dissemination – CRD) and LILACS), selecting full HEEs of dengue vaccine. Two independent reviewers screened articles for relevance and extracted the data. The methodology for the quality reporting was assessed using CHEERS checklist. We performed a qualitative narrative synthesis. Results: Thirteen studies conducted in Asian and Latin America countries were reviewed. All studies were favorable to the incorporation of the vaccine. However, the assumptions and values assumed for vaccine efficacy, safety and duration of protection, as well as the choice of the study population and the type of model used in the analyses, associated to an insufficient reporting of

the methodological steps, affect the validity of the studies' results. The quality reporting appraisal showed that the majority (8/13) of the studies reported less than 55% of the CHEERS checklists' items. Conclusions: This systematic review shows that the economic evaluation of dengue vaccination did not adhere to key recommended general methods for economic evaluation. The presented cost-effectiveness results should not be transferred to other countries. It is recommended to conduct studies with local epidemiological and cost data, as well as assumptions about vaccination that reflect the results observed in clinical trials.

*Review article Abstract only*

**[A systematic review of vaccine preventable disease surveillance cost studies](#)**

Ngozi Adaeze Erundu, Lisa Ferland, Betiel Hadgu Haile, Taiwo Abimbola

Pages 2311-2321

*Research article Abstract only*

**[Delayed vaccination and its predictors among children under 2 years in India: Insights from the national family health survey-4](#)**

Tarun Shankar Choudhary, N. Samarasimha Reddy, Aditi Apte, Bireswar Sinha, ... Ranadip Chowdhury

Pages 2331-2339

*Research article Abstract only*

**[Economic value of vaccinating geographically hard-to-reach populations with measles vaccine: A modeling application in Kenya](#)**

Bruce Y. Lee, Shawn T. Brown, Leila A. Haidari, Samantha Clark, ... Sachiko Ozawa

Pages 2377-2386

*Research article Open access*

**[Process mapping of vaccines: Understanding the limitations in current response to emerging epidemic threats](#)**

Georgina Drury, Siobhan Jolliffe, Tarit K. Mukhopadhyay

Pages 2415-2421

**Vaccines — Open Access Journal**

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

(Accessed 13 Apr 2019)

[No new digest content identified]

**Value in Health**

April 2019 Volume 22, Issue 4, p385-502

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

COMPARATIVE-EFFECTIVENESS RESEARCH/HTA

**[A Review of Clinical Trials With an Adaptive Design and Health Economic Analysis](#)**

*An adaptive design uses data collected as a clinical trial progresses to inform modifications to the trial. Hence, adaptive designs and health economics aim to facilitate efficient and accurate decision making. Nevertheless, it is unclear whether the methods are considered together in the*

*design, analysis, and reporting of trials. This review aims to establish how health economic outcomes are used in the design, analysis, and reporting of adaptive designs.*

Laura Flight, Fahid Arshad, Rachel Barnsley, Kian Patel, Steven Julious, Alan Brennan, Susan Todd

p391–398

Published online: March 13, 2019

### **Conditional Financing of Drugs in the Netherlands: Past, Present, and Future—Results From Stakeholder Interviews**

Amr Makady, Sandine van Acker, Hugo Nijmeijer, Anthonius de Boer, Hans Hillege, Olaf Klungel, Wim Goettsch

p399–407

Published in issue: April 2019

### **Viruses**

Volume 11, Issue 3 (March 2019)

<https://www.mdpi.com/1999-4915/11/3>

[Reviewed earlier]

\* \* \* \*

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

#### **Journal of Immunology Research**

Volume 2019, Article ID 6491738, 11 pages

Review Article

#### **Middle East Respiratory Syndrome Coronavirus (MERS-CoV): Infection, Immunological Response, and Vaccine Development**

A Mubarak, W Alturaiki, MG Hemida - Journal of Immunology Research, 2019

Middle East respiratory syndrome coronavirus (MERS-CoV) first emerged in late 2012. Since its emergence, a total of 2279 patients from 27 countries have been infected across the globe according to a World Health Organization (WHO) report (Feb. 12th, 2019). Approximately 806 patients have died. The virus uses its spike proteins as adhesive factors that are proinflammatory for host entry through a specific receptor called dipeptidyl peptidase-4 (DPP4). This receptor is considered a key factor in the signaling and activation of the acquired and innate immune responses in infected patients. Using potent antigens in combination with strong adjuvants may effectively trigger the activation of specific MERS-CoV cellular responses as well as the production of neutralizing antibodies. Unfortunately, to date, there is no effective approved treatment or vaccine for MERS-CoV. Thus, there are urgent needs for the development of novel MERS-CoV therapies as well as vaccines to help minimize the spread of the virus from infected patients, thereby mitigating the risk of any potential pandemics. Our main goals are to highlight and describe the current knowledge of both the innate and adaptive immune responses to MERS-CoV and the current state of MERS-CoV vaccine development. We believe this study will increase our understanding of the mechanisms that enhance the MERS-CoV immune response and subsequently contribute to the control of MERS-CoV infections.

## **Public Health Reports**

First Published April 5, 2019

*Research Article*

### **Social Determinants of Human Papillomavirus Vaccine Uptake: An Assessment of Publicly Available Data**

SB Maness, EL Thompson

*Abstract*

Objectives:

Despite cancer prevention benefits associated with the human papillomavirus (HPV) vaccine, uptake in the United States is relatively low among males and females. Our objective was to use the Healthy People 2020 social determinants of health framework to determine the availability and characteristics of data on economic, educational, social, health care, and community factors affecting HPV vaccine uptake in the United States.

Methods:

We included the most recent data sets from 6 publicly available, US-based, federally funded surveys that contained at least 1 measure of HPV vaccination among adolescents and young adults. We searched each data set for any social determinants of health measures within the 5 domains of the framework: economic stability, education, social and community context, health and health care, and neighborhood and built environment.

Results:

The social determinants of health domains of education, economic stability, and health and health care appeared in all data sets. The domains of social and community context and neighborhood and built environment appeared in only 3 data sets. Even when domains were represented, we discovered gaps in the data sets, in which only limited measures of the social determinants were available.

Conclusion:

The addition of questions about the social determinants of health to the surveys that generate these data sets, particularly in the domains of social and community context and neighborhood and built environment, would strengthen the ability of public health researchers, policy makers, and professionals to identify associations between the social determinants of health and HPV vaccine uptake.

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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 13 Apr 2019*

[No new, unique, relevant content]

### **BBC**

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

*Accessed 13 Apr 2019*

[No new, unique, relevant content]

### **The Economist**

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

*Accessed 13 Apr 2019*

[No new, unique, relevant content]

### **Financial Times**

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

*Accessed 13 Apr 2019*

[No new, unique, relevant content]

### **Forbes**

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

*Accessed 13 Apr 2019*

Apr 9, 2019

### **[How A Gates Foundation-Backed Fund Is Revolutionizing Global Health Impact Investing](#)**

The Gates Foundation initially structured the fund and Gates believes that the Foundation can support early, high-risk product development, while GHIF can support companies more mature in their development that need help with late-stage development and commercialization of their products.

### **Foreign Affairs**

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

*Accessed 13 Apr 2019*

[No new, unique, relevant content]

### **Foreign Policy**

<http://foreignpolicy.com/>

*Accessed 13 Apr 2019*

### **[In the United States, Russian Trolls Are Peddling Measles](#)**

*Not content to cause political problems, Moscow's trolls are also undermining public health.*

Moscow's willingness to undermine public health initiatives shows that its disinformation efforts aren't confined to partisan struggles.

April 9, 2019, 2:48 PM  
Katherine Kirk

## **The Guardian**

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

*Accessed 13 Apr 2019*

Opinion Internet

*Editorial*

### **[The Guardian view on online harms: white paper, grey areas](#)**

*The internet needs regulation. People and societies need protection. But this will be harder than the government's new white paper makes it look*

Mon 8 Apr 2019 13.47 EDT Last modified on Mon 8 Apr 2019 14.44 EDT

The white paper announced by the government on Monday attempts to steer a middle course, as most of the world does. There is to be real regulation, with painful fines, for almost all of the public internet. Persistent offenders against codes of conduct as yet unspecified will, so far as possible, be rendered inaccessible to British web users. The platforms are no longer to be regarded as entirely neutral conduits, with no more responsibility for the content they spread – and in most cases sell advertising against – than the telephone company has for the content of telephone conversations...

There is no doubt that some forms of disinformation, such as anti-vaccination propaganda, do serious harms both to individuals and to society as a whole. But does the government really want fines levied on the executives of YouTube when the platform promotes conspiracy theories or anti-vaxx videos? Regulating the internet is necessary, but it won't be easy or cheap. Too much of this white paper looks like an attempt to find cheap and easy solutions to really hard questions...

## **New Yorker**

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

*Accessed 13 Apr 2019*

[No new, unique, relevant content]

## **New York Times**

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

*Accessed 13 Apr 2019*

*U.S.*

### **[Cuomo: Ending Exemption for Vaccines 'Legally Questionable'](#)**

New York's governor says legislation that would end the ability of parents to object to vaccinations for their children on religious grounds is "legally questionable."

April 12

*New York*

### **[Measles Outbreak: Tensions Rise as New York City Steps Up Response](#)**

An order to require immunizations in the ultra-Orthodox Jewish community seemed to mobilize vaccine skeptics. Others worried that the effort did not address the root of the problem: misinformation.

April 11

*U.S.*

### **[NYC Orders Mandatory Vaccines for Some Amid Measles Outbreak](#)**

New York City has declared a public health emergency over a measles outbreak and ordered mandatory [vaccinations for some people who may have been exposed to the virus.](#)

*U.S.*

### **[Yeshiva Schools Must Exclude Unvaccinated Amid Measles Surge](#)**

The New York City Health Department has ordered all ultra-Orthodox Jewish schools in a neighborhood of Brooklyn to exclude unvaccinated students from classes during the current measles outbreak.

*Middle East*

### **[Vaccines Blocked as Deadly Cholera Raged in Yemen](#)**

An Associated Press investigation has found that Yemen's massive cholera epidemic was aggravated by official intransigence and potential corruption.

### **Wall Street Journal**

<http://online.wsj.com/home-page? wsjregion=na,us& homepage=/home/us>

*Accessed 13 Apr 2019*

*U.S.*

### **[As Measles Spreads, Schools Turn Away Unvaccinated Students](#)**

By Tawnell D. Hobbs

Some school districts in the U.S. are booting unvaccinated students from campuses where infectious-disease cases have been confirmed, as the spread of measles accelerates in some states.

April 13

*World*

### **[WhatsApp Users Spread Antivaccine Rumors in India](#)**

By Newley Purnell

Antivaccine misinformation, some of it from social media posts in the West, is spreading in India on the WhatsApp messaging app, undermining efforts to root out measles and rubella there.

April 13

### **Washington Post**

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

*Accessed 13 Apr 2019*

Apr 10, 2019

### **[Anti-vaxxers are comparing themselves to Holocaust victims - who relied on vaccines to survive](#)**

Helene Sinnreich ·

\* \* \* \*

***Think Tanks et al***

**Brookings**

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

*Accessed 13 Apr 2019*

Apr 15 *Upcoming Event*

**[Development Seminar | Smallpox eradication: Inclusive histories as meaningful roadmaps for global health](#)**

4:00 PM - 5:30 PM IST

New Delhi, India

*TechTank*

**[How should social media platforms combat misinformation and hate speech?](#)**

Niam Yaraghi

Tuesday, April 9, 2019

**Center for Global Development**

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

[No new relevant content]

**CSIS**

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

*Accessed 13 Apr 2019*

[No new relevant content]

**Council on Foreign Relations**

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

*Accessed 13 Apr 2019*

[No new relevant content]

**Kaiser Family Foundation**

[https://www.kff.org/search/?post\\_type=press-release](https://www.kff.org/search/?post_type=press-release)

*Accessed 13 Apr 2019*

[No new relevant content]

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\* \* \* \*

***Vaccines and Global Health: The Week in Review*** is a service of the Center for Vaccine Ethics and Policy (CVEP)/GE2P2 Global, which is solely responsible for its content, and is an open access publication, subject to the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by-nc/3.0/>). Copyright is retained by CVEP.

*CVEP is a program of the [GE2P2 Global Foundation](#) – whose purpose and mission is to advance ethical and scientific rigor in research and evidence generation for governance, policy and practice in health, human rights action, humanitarian response, heritage stewardship, education and sustainable development. The Foundation serves governments, international agencies,*

*INGOs, civil society organizations (CSOs), commercial entities, consortia and alliances. CVEP maintains an academic affiliation with the Division of Medical Ethics, NYU School of Medicine, and an operating affiliation with the Vaccine Education Center of Children's Hospital of Philadelphia [CHOP].*

*Support for this service is provided by the Bill & Melinda Gates Foundation; Aeras; PATH, and industry resource members Janssen/J&J, Pfizer, Sanofi Pasteur U.S., Takeda, Moderna Therapeutics (list in formation), and the Developing Countries Vaccine Manufacturers Network (DCVMN).*

*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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