



**Vaccines and Global Health: The Week in Review**  
**23 November 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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## ***Milestones :: Perspectives :: Research***

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### **Global leaders pledge us\$2.6 billion to eradicate polio at the Reaching the Last Mile forum in Abu Dhabi**

*Countries and partners announce commitments to vaccinate 450 million children against polio each year and to overcome barriers to reaching every child*

ABU DHABI, 19 November 2019 – Today, global leaders convened at the Reaching the Last Mile (RLM) Forum in Abu Dhabi to affirm their commitment to eradicate polio and pledge US\$2.6 billion as part of the first phase of the funding needed to implement the Global Polio Eradication Initiative's Polio Endgame Strategy 2019-2023.

This pledging event comes on the heels of a major announcement last month that the world has eradicated two of the three wild poliovirus strains, leaving only wild poliovirus type 1 (WPV1) still in circulation. Additionally, Nigeria – the last country in Africa to have cases of wild polio – has not seen wild polio since 2016 and the entire WHO African region could be certified wild polio-free in 2020. Thanks to the dedicated efforts of health workers, governments, donors and partners, wild polio only circulates in two countries: Pakistan and Afghanistan.

"From supporting one of the world's largest health workforces, to reaching every last child with vaccines, the Global Polio Eradication Initiative is not only moving us closer to a polio-free world, it's also building essential health infrastructure to address a range of other health needs," said Dr Tedros Adhanom Ghebreyesus, Director-General of the World Health Organization and Chair of the Polio Oversight Board. "We are grateful for the generous pledges made today and thank governments, donors and partners for standing with us. In particular, I would like to thank His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi for hosting the GPEI pledging moment and for his long-term support for polio eradication."

The commitments announced today come at a critical time for the polio eradication effort. Barriers to reaching every child – including inconsistent campaign quality, insecurity, conflict, massive mobile populations, and, in some instances, parental refusal to the vaccine – have led to ongoing transmission of the wild poliovirus in Pakistan and Afghanistan. Further, low immunity to the virus in parts of Africa and Asia where not all children are vaccinated has sparked outbreaks of a rare form of the virus. To surmount these obstacles and protect 450 million children from polio every year, governments and donors announced significant new financial commitments toward the \$3.27 billion needed to support the Polio Endgame Strategy.

#### **Pledges are from a diverse array of donors, including:**

US\$160 million from the host of the pledging moment His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi;

#### **Countries, including**

US\$215.92 million from the United States,

US\$160 million from the Islamic Republic of Pakistan,

US\$105.05 million from Germany,  
US\$84.17 million from the Federal Government of Nigeria,  
US\$10.83 million from Norway,  
US\$10.29 million from Australia,  
US\$7.4 million from Japan,  
US\$2.22 million from Luxembourg,  
US\$1.34 million from New Zealand,  
US\$116,000 from Spain, and  
US\$10,000 from Liechtenstein;

**GPEI partners**, including

US\$1.08 billion from the Bill & Melinda Gates Foundation and  
US\$150 million from Rotary International;

**Philanthropic organizations**, including

US\$50 million from Bloomberg Philanthropies,  
US\$25 million from Dalio Philanthropies,  
US\$15 million from the Tahir Foundation,  
US\$6.4 million from the United Nations Foundation, US\$2 million from Alwaleed Philanthropies,  
US\$1 million from the Charina Endowment Fund, and  
US\$1 million from Ningxia Yanbao Charity Foundation;

and the **private sector**, including

US\$1 million from Ahmed Al Abdulla Group,  
US\$1 million from Al Ansari Exchange, and  
US\$340,000 from Kasta Technologies.

Earlier this month, the United Kingdom announced it would contribute up to US\$514.8 million to the GPEI.

"We are proud to host the GPEI pledging moment in Abu Dhabi and thank all the attendees for their continued commitment to the eradication of polio," said Her Excellency Reem Al Hashimy, UAE Cabinet Member and Minister of State for International Cooperation. "Since launching in 2014, the Emirates Polio Campaign has delivered more than 430 million polio vaccines in some of the most remote areas of Pakistan. We remain firm in our mission to reach every last child and believe together we can consign polio to the pages of history."...

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**Global Coalition on Aging and Pfizer Global Medical Grants Partner to Launch Grant Program to Increase Vaccine Usage Among Older Adults in Japan**

*The \$1 million VALUE initiative will build on Japan's 2019 G20 leadership*

(NEW YORK – November 19, 2019) – The Global Coalition on Aging (GCOA) and Pfizer Global Medical Grants today officially launched a partnership to improve uptake of vaccines among Japanese older adults. Through \$1 million USD in grant awards, the Vaccines for All: Longevity Unleashed for Everyone (VALUE) initiative will support, advance, and validate quality improvement strategies that measurably increase the number of older adults in Japan who are

immunized against at least one targeted vaccine-preventable disease. It will also uncover pathways for more effective management of health costs in Japan's aging society.

"Vaccines are one of the great success stories of public health in the 20th century, and just as we have and will continue to invest in our children's health through vaccination schedules and global initiatives, we now recognize under the Japan G20 leadership that adults, too, are in scope for global immunization efforts," said Michael W. Hodin, CEO of GCOA. "As a super-aging society, Japan has an opportunity to leverage an immunization prevention strategy, one of the most important and cost-effective tools in our public health arsenal. Action is urgent, especially as there will soon be 2 billion of us over 60, and, for the first time in the history of humanity, more old than young globally."...

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### **Sweeping Agreement Inked by WHO and African Union to Accelerate Vital Health Goals**

18 November 2019 News release Geneva

Today the African Union (AU) Commission and the World Health Organization (WHO) signed an historic Memorandum of Understanding (MoU) cementing their mutual commitment to expand and deepen their relationship and cooperation.

The document was signed at WHO Headquarters by His Excellency Moussa Faki Mahamat, Chairman of the African Union Commission, and Dr Tedros Adhanom Ghebreyesus, Director-General of the World Health Organization.

This significant commitment to global health follows the political declaration on universal health coverage (UHC), approved by all 193 UN Member States at the United Nations General Assembly in September, and the adoption of a global resolution to translate that political commitment into reality by legislators from 140 countries shortly thereafter.

The Memorandum between the AU Commission and WHO specifies three key areas of collaboration:

**:: Providing technical expertise to the African Medicines Agency (AMA) and creating an enabling environment to foster local production of medicines.** Access to medicines that are high-quality, safe and effective is a core pillar of UHC. WHO welcomes the African Union's decision to endorse the treaty establishing the AMA and stands ready to provide high-quality technical expertise.

**:: Strengthening collaboration between the Africa Centers for Disease Control and Prevention (Africa CDC) and WHO, with a particular focus on emergency preparedness,** to build AU Member States' defenses against epidemics and other health emergencies. WHO will also support efforts to strengthen the health workforce in AU countries, and to establish the African Volunteer Health Corps.

**:: Supporting the implementation of the [Addis Ababa Call to Action on universal health coverage](#)** and the AU Declaration on Domestic Financing. Endorsed by the African Union Summit earlier this year, the Call to Action is a commitment by African Union countries to

increase domestic investment in health, and to be accountable for that commitment. WHO will facilitate a dialogue between Health and Finance Ministers to help countries develop strong and sustainable health financing models...

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## **Emergencies**

### **Ebola – DRC+**

*Public Health Emergency of International Concern (PHEIC)*

#### **Ebola Outbreak in DRC 68: 19 November 2019**

##### *1. Situation update*

Over the last three months, there has been a steady decrease in the incidence of confirmed Ebola Virus Disease (EVD) cases in Democratic Republic of the Congo (DRC). In the week of 11 to 17 November 2019, nine new confirmed EVD cases were reported from three health zones in two affected provinces, compared to 126 cases reported at the peak of the epidemic in the last week of April 2019. No cases were reported from both Mandima and Mambasa health zones. After over 30 days with no new cases, Oicha Health Zone reported a new confirmed community death with links to Kalunguta, Oicha and Mandima health zones. Following initial resistance from family members and the community, a multidisciplinary team has now commenced investigations around this case. So far, the source of exposure is yet to be identified. All other cases reported in Beni and Mabalako health zones in the past week have been linked to known chains of transmission.

Although the number of weekly reported cases is decreasing, it is expected that the outbreak response will encounter more complex circumstances as some transmission continues within rural and hard to reach communities. Multidisciplinary response teams are building on sustained progress by enhancing efforts to thoroughly engage with the community in order to investigate all new cases, to improve contact tracing and access to vaccination and consequently break the remaining transmission chains...

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### **POLIO**

*Public Health Emergency of International Concern (PHEIC)*

#### **Polio this week as of 20 November 2019**

:: US\$2.6 billion. That is the amount pledged for polio eradication by global leaders at the Reaching the Last Mile Forum in Abu Dhabi on 19 November 2019. *[See Milestones above]*

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

**:: Afghanistan** – one WPV1 case and two positive environmental samples;

**:: Pakistan**— four WPV1 cases, two WPV1-positive environmental samples and two cVDPV2 cases;

**:: Nigeria** – one cVDPV2 case;

**:: Democratic Republic of the Congo** -three cVDPV2 cases;

**:: Central African Republic** – two cVDPV2 case; Angola— three cVDPV2 cases.

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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 23 Nov 2019]

**Democratic Republic of the Congo**

:: Ebola Outbreak in DRC 68: 19 November 2019

Mozambique floods - *No new digest announcements identified*

Nigeria - *No new digest announcements identified*

Somalia - *No new digest announcements identified*

South Sudan - *No new digest announcements identified*

Syrian Arab Republic - *No new digest announcements identified*

Yemen - *No new digest announcements identified*

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**WHO Grade 2 Emergencies** [to 23 Nov 2019]

Afghanistan - *No new digest announcements identified*

Angola - *No new digest announcements identified*

Burkina Faso [in French] - *No new digest announcements identified*

Burundi - *No new digest announcements identified*

Cameroon - *No new digest announcements identified*

Central African Republic - *No new digest announcements identified*

Ethiopia - *No new digest announcements identified*

HIV in Pakistan - *No new digest announcements identified*

Iran floods 2019 - *No new digest announcements identified*

Iraq - *No new digest announcements identified*

Libya - *No new digest announcements identified*

Malawi floods - *No new digest announcements identified*

Measles in Europe - *No new digest announcements identified*

MERS-CoV - *No new digest announcements identified*

Myanmar - *No new digest announcements identified*

Niger - *No new digest announcements identified*

occupied Palestinian territory - *No new digest announcements identified*

Sudan - *No new digest announcements identified*

Ukraine - *No new digest announcements identified*

Zimbabwe - *No new digest announcements identified*

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**WHO Grade 1 Emergencies** [to 23 Nov 2019]

Chad - *No new digest announcements identified*

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

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### **UN OCHA – L3 Emergencies**

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

#### **Syrian Arab Republic**

:: OCHA Syria | Situation Report #12: Humanitarian impact of the military operation in north-eastern Syria, 1-19 November 2019

... On 17 November, the Ministry of Health (MoH) with support from partners, commenced a five-day polio vaccination campaign targeting 65,500 children under five in eastern and western rural Deir-ez-Zor governorate...

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.

*Editor's Note:*

*Ebola in the DRC has been added as a OCHA "Corporate Emergency" this week:*

CYCLONE IDAI and Kenneth - *No new digest announcements identified*

EBOLA OUTBREAK IN THE DRC - *No new digest announcements identified*

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### **WHO & Regional Offices** [to 23 Nov 2019]

22 November 2019

*News release*

**New WHO-led study says majority of adolescents worldwide are not sufficiently physically active, putting their current and future health at risk**

19 November 2019

*News release*

**Global leaders pledge US\$2.6 billion to eradicate polio at the Reaching the Last Mile Forum in Abu Dhabi**

*[See Milestones above for detail]*

18 November 2019

*News release*

**Sweeping Agreement Inked by WHO and African Union to Accelerate Vital Health Goals**

*[See Milestones above for detail]*

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**Weekly Epidemiological Record, 22 November 2019, vol. 94, 47 (pp. 541–560)**

Meeting of the Strategic Advisory Group of Experts on Immunization, October 2019: conclusions and recommendations

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**WHO Regional Offices**

*Selected Press Releases, Announcements*

**WHO African Region AFRO**

:: Ebola vaccinations in the Democratic Republic of the Congo – In the community, by th...  
22 November 2019

:: Weak vaccine-preventable disease surveillance could cost the African Region \$22.4 b...

Abu Dhabi, 20 November 2019 – In its newly launched Investment Case for Vaccine-Preventable Disease Surveillance in the African Region 2020-2030, the World Health Organization (WHO) Regional Office for Africa highlights the drastic consequences that could be in store for the region if countries do not invest in disease surveillance efforts, including a US\$22.4 billion economic burden over the next decade.

The announcement was made at the high-level "Reaching the Last Mile Forum" in Abu Dhabi on 19 November, by Dr Matshidiso Moeti, WHO Regional Director for Africa, to an audience of over 300 health leaders from across the globe.

...The WHO Investment Case makes the argument for increased domestic investment in vaccine-preventable diseases surveillance, under the overall umbrella of integrated disease surveillance and response, from countries in the African Region. As resources for VPD surveillance have declined markedly over the past two years – and domestic surveillance expenditure in the African Region remains low – funding for disease surveillance is urgently needed, now more than ever.

During the launch announcement, Dr Moeti called on governments to invest in strong disease surveillance systems that will ensure early detection and response to risks and outbreaks. "Strong surveillance is the backbone of a functioning health information system, empowering health workers with timely, quality evidence to inform decision-making. To curb the spread of life-threatening diseases, governments must invest in strong and functioning surveillance systems," she stated...

**WHO Region of the Americas PAHO**

:: Nearly 16 million people still practice open defecation in Latin America and the Caribbean (11/19/2019)

:: 1 in 5 men will not reach the age of 50 in the Americas, due to issues relating to toxic masculinity (11/18/2019)

**WHO South-East Asia Region SEARO**

*No new digest content identified.*



### **WHO European Region EURO**

:: New WHO report: Ignoring the health of people in prisons now comes at a high cost for society later 21-11-2019

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

:: WHO establishes Commission on Social Determinants of Health for the Region 20 November 2019

:: Support for flood-affected districts in Somalia 18 November 2019

### **WHO Western Pacific Region**

*No new digest content identified.*

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**CDC/ACIP** [to 23 Nov 2019]

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

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

Tuesday, November 19, 2019

**[CDC Updates EVALI Guidance for Health Care Providers as Flu Activity Increases Nationally](#)**

### **MMWR News Synopsis for Friday, November 22, 2019**

#### **Use of 13-Valent Pneumococcal Conjugate Vaccine and 23-Valent Pneumococcal Polysaccharide Vaccine Among Adults Aged ≥ 65 Years: Updated Recommendations of the Advisory Committee on Immunization Practices**

CDC now recommends pneumococcal conjugate vaccine (PCV13) based on shared clinical decision making for adults 65 years or older who do not have an immunocompromising condition, cerebrospinal fluid (CSF) leak, or cochlear implant and who have not previously received PCV13. Due to decreasing rates of infection after several years of widespread vaccination CDC no longer recommends routine PCV13 use among all adults aged 65 years or older. Instead, older adults who have not received PCV13 and do not have an immunocompromising condition, CSF leak, or cochlear implant should discuss PCV13 vaccination with their vaccine providers to decide if PCV13 might be appropriate for them. Considerations may include likelihood of exposure due to traveling to or living in communities with higher rates of disease caused by vaccine strains and, if exposed, their risk of developing pneumococcal disease due to their underlying medical conditions. CDC continues to recommend PCV13 for adults, including older adults, who have an immunocompromising condition, CSF leak, or cochlear implant, as well as PPSV23 for all adults aged 65+ years.

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**Africa CDC** [to 23 Nov 2019]

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

*News*

*No new digest content identified.*

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### **China CDC**

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

*No new digest content identified.*

### **National Health Commission of the People's Republic of China**

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

*Selected Updates and Press Releases*

#### **Chinese health authority urges enhanced flu prevention**

2019-11-22

Chinese health authorities at all levels have been required to enhance their flu prevention measures and health education for the upcoming flu season.

#### **China looks to expand malaria aid in Africa**

2019-11-21

China plans to expand its overseas malaria assistance to wider regions of Africa in the next three years after a trial program in Tanzania showed promising results, a senior official with the Chinese Center for Disease Control and Prevention said recently.

#### **Gates foundation to further assist TB fight**

2019-11-21

China's top health authority has extended its cooperation with the Bill & Melinda Gates Foundation in fighting tuberculosis across the country, aiming at scaling up proven models for curbing the disease and piloting innovative approaches.

#### **Li lauds gains in healthcare, drug reforms**

2019-11-21

China will improve its mechanism for centralized pharmaceuticals procurement to provide better and more affordable healthcare services, the State Council decided at an executive meeting chaired by Premier Li Keqiang on Nov 20.

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### **Announcements**

**Paul G. Allen Frontiers Group** [to 23 Nov 2019]

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

*No new digest content identified.*

**BMGF - Gates Foundation** [to 23 Nov 2019]

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

*No new digest content identified.*

**Bill & Melinda Gates Medical Research Institute** [to 23 Nov 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 23 Nov 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.*

11.20.2019 |

**[T2 Biosystems Announces Granting of CE-Mark for T2Resistance™ Panel](#)**

The T2Resistance Panel is the only direct-from-blood diagnostic designed to detect genetic markers associated with antibiotic-resistant bloodstream infections

**CEPI – Coalition for Epidemic Preparedness Innovations** [to 23 Nov 2019]

<http://cepi.net/>

*No new digest content identified.*

**Clinton Health Access Initiative, Inc. (CHAI)** [to 23 Nov 2019]

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

*News & Press Releases*

**[CHAI 990 Forms](#)**

Published November 21st, 2019

**EDCTP** [to 23 Nov 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 23 Nov 2019]

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

*No new digest content identified.*

**European Medicines Agency** [to 23 Nov 2019]

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

*News & Press Releases*  
*No new digest content identified.*

**European Vaccine Initiative** [to 23 Nov 2019]

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

19 November 2019

**EU-China vaccine collaboration seminar**

*EVI together with partners and sponsors from China organised a two-day vaccine collaboration workshop from 9-10 November in Chengdu, China.*

Aim of the workshop was to facilitate the interaction between European and Chinese vaccine developers and to inform Chinese participants about applicable regulations and requirements for introducing vaccines from China into Europe and low- and middle income countries.

**FDA** [to 23 Nov 2019]

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

*Press Announcements*

*No new digest content identified.*

**Fondation Merieux** [to 23 Nov 2019]

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

*News, Events*

December 3 - 4, 2019 - Geneva (Switzerland)

*Mérieux Foundation co-organized event*

**6th GTFCC Working Group on Oral Cholera Vaccine**

20 - 22 Jan 2020

*Mérieux Foundation co-organized event*

**Dengue pre-vaccination screening strategies workshop**

Les Pensières Center for Global Health, Veyrier-du-Lac (France)

**Gavi** [to 23 Nov 2019]

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

*Latest news*

**Meet the newest ambassadors for immunisation: 10,000 Karachi schoolgirls**

Karachi, 22 November 2019 - 10,000 teenage girls gathered at Karachi's PAF museum this week to learn leadership skills, receive training on basic healthcare and become ambassadors for immunisation as a major typhoid vaccination campaign continues in the city.

The 'Ab Meri Bari Hai!' (Now It's My Turn!) event, run by the Kiran Sitara programme, brought together girls from 58 schools in the city, as well as representatives from government, WHO and Gavi, the Vaccine Alliance.

The girls were also addressed by Samina Baig, the first Pakistani woman to climb Mount Everest, Hajra Khan, Captain of the Pakistan Women's football team, and Aamina Sheikh, actress and ambassador for the Pakistan Alliance for Girls Education.

A vaccination session for the new Typhoid Conjugate Vaccine (TCV) took place after the event, part of a major campaign that aims to vaccinate over 10 million children in Sindh province in two weeks to combat an extensively drug resistant typhoid outbreak...

### **Gavi congratulates the Global Polio Eradication Initiative for raising vital funds to tackle polio**

*Critical pledging moment in Abu Dhabi showcases continued commitment to eradication*

Geneva, 21 November 2019 – Gavi, the Vaccine Alliance has congratulated the Global Polio Eradication Initiative (GPEI) for raising vital funds towards its Polio Endgame Strategy 2019-2023 at a pledging event in Abu Dhabi, United Arab Emirates.

"I want to offer my congratulations to the Global Polio Eradication Initiative on receiving these critical political and financial commitments," said Dr Seth Berkley, CEO of Gavi. "The world has made tremendous progress on polio in little under three decades, thanks in large part to the work led by GPEI and national governments. It is important that we have sufficient resources to ensure that we do not backslide and lose that progress. Polio will remain a threat until every child is protected against this crippling disease."

In March 2019, the CEO of Gavi became a member of GPEI's Polio Oversight Board, and in October 2019, the Alliance joined WHO, Rotary International, the United States Centers for Disease Control and Prevention (CDC), UNICEF, and the Bill & Melinda Gates Foundation as an official core partner. Gavi's work strengthening routine immunisation programmes will be critical in the ongoing fight against polio...

### **GHIT Fund** [to 23 Nov 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*  
*No new digest content identified.*

### **Global Fund** [to 23 Nov 2019]

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

*News & Stories*

*No new digest content identified.*

### **Hilleman Laboratories** [to 23 Nov 2019]

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

*No new digest content identified.*

### **Human Vaccines Project** [to 23 Nov 2019]

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

*Press Releases*

*No new digest content identified.*

### **IAVI** [to 23 Nov 2019]

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

*Press Releases*

November 18, 2019

**Biofabri, IAVI, and SATVI Collaborate on Clinical Trial of TB Vaccine Candidate MTBVAC in South African Adults**

*Trial to evaluate safety, dosing, and immunogenicity of novel TB vaccine candidate*

NEW YORK / PORRIÑO 19 NOVEMBER 2019 — Biofabri, IAVI, and the South African Tuberculosis Vaccine Initiative (SATVI) today announced an ongoing clinical trial to further evaluate the novel tuberculosis (TB) vaccine candidate MTBVAC in an adult endemic population...

**International Coalition of Medicines Regulatory Authorities [ICMRA]**

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

*Selected Statements, Press Releases, Research*

*No new digest content identified.*

**International Generic and Biosimilar Medicines Association [IGBA]**

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

*No new digest content identified.*

**IFFIm**

<http://www.iffim.org/library/news/press-releases/>

*No new digest content identified.*

**IFRC** [to 23 Nov 2019]

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

*Selected Press Releases, Announcements*

*No new digest content identified.*

**IVAC** [to 23 Nov 2019]

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

*Updates*

*No new digest content identified.*

**IVI** [to 23 Nov 2019]

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

*Selected IVI News & Announcements*

*No new digest content identified.*

**JEE Alliance** [to 23 Nov 2019]

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

*Selected News and Events*

*No new digest content identified.*

**MSF/Médecins Sans Frontières** [to 23 Nov 2019]

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

*Latest [Selected Announcements]*

*Somalia*

**[From malnutrition to tuberculosis: responding to needs in North Gal...](#)**

Project Update 21 Nov 2019

*Burundi*

**[Cholera epidemic: "Thankfully, my family all came back cured"](#)**

Project Update 19 Nov 2019

*Somalia*

**[Floods leave thousands of people vulnerable and in need](#)**

Project Update 19 Nov 2019

**National Vaccine Program Office - U.S. HHS** [to 23 Nov 2019]

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

*NVAC 2020 Meetings*

[February 13-14, 2020 NVAC Meeting](#)

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

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

**NIH** [to 23 Nov 2019]

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

*Selected News Releases*

*No new digest content identified.*

**PATH** [to 23 Nov 2019]

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

*Selected Announcements*

*No new digest content identified.*

**Sabin Vaccine Institute** [to 23 Nov 2019]

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

*Statements and Press Releases*

*No new digest content identified.*

**UNAIDS** [to 23 Nov 2019]

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

*Selected Press Releases/Reports/Statements*

21 November 2019

**Community groups delivering medicines in remote Central African Republic**

19 November 2019

**Jamaica: tackling HIV-related stigma and discrimination**

18 November 2019

**Sex workers often not accessing HIV prevention services**

**UNICEF** [to 23 Nov 2019]

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

*Selected Statements, Press Releases, Reports*

*Press release*

**Geneva Palais briefing note on children in Syria**

This is a summary of what was said by Fran Equiza, UNICEF Representative in Syria – to whom quoted text may be attributed – at today's press briefing at the Palais des Nations in Geneva

21/11/2019

*Statement*

**UNICEF welcomes renewed commitment to child rights, urges all Member States to leave no child behind**

Statement by UNICEF Executive Director Henrietta Fore

20/11/2019

*Statement*

**UNICEF Executive Director Henrietta Fore's remarks at World Children's Day 2019**

20/11/2019

*News note*

**News note on measles outbreaks across the Pacific Islands**

SUVA, 19 November 2019: UNICEF is supporting the Government of Samoa to respond to a measles outbreak in the country. The Government of Samoa officially declared a state of emergency on 15 November 2019, four weeks into the continuing measles outbreak with more than 1000 suspected cases so far. The epidemic has claimed the lives of 14 children under-five years old and one adult.

Measles outbreaks were also declared in the Kingdom of Tonga on 24 October and in Fiji on 7 November. As of 5 November, 177 cases have been confirmed in Tonga with no deaths. In Fiji, the four confirmed cases and one suspected case were contained in one specific area of Namosi and Serua Subdivision, west of the capital of Suva.

UNICEF has deployed health and communication staff in Samoa to boost the government's immunization campaign and delivered a total of 110,500 doses of measles containing vaccines (100,000 MR and 10,500 MMR) and 30,000 Vitamin A tablets. In addition, 6 refrigerators and three emergency response trolleys used as immunization service stations are being shipped to Samoa.

UNICEF has also delivered vaccines to Tonga, Fiji and Niue, and has worked with the governments of Vanuatu, Solomon Islands, Kiribati, Cook Islands, Niue, Marshall Islands and



the Federated States of Micronesia (FSM) in conducting their measles immunization campaigns and developing their preparedness plans for an outbreak...

*Press release*

**30 years of child rights: Historic gains and undeniable achievements, but little progress for the world's poorest children**

Urgent action and a recommitment to child rights needed to address age-old and emerging threats

17/11/2019

**Vaccination Acceptance Research Network (VARN)** [to 23 Nov 2019]

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

*No new digest content identified.*

**Vaccine Confidence Project** [to 23 Nov 2019]

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

*No new digest content identified.*

**Vaccine Education Center – Children’s Hospital of Philadelphia** [to 23 Nov 2019]

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

*No new digest content identified.*

**Wellcome Trust** [to 23 Nov 2019]

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

*Opinion* | 21 November 2019

**How we're making our meetings more inclusive**

by Charlie Gorham and Charlotte Hussey

**The Wistar Institute** [to 23 Nov 2019]

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

*No new digest content identified.*

**World Organisation for Animal Health (OIE)** [to 23 Nov 2019]

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

*No new digest content identified.*

.....

**ARM [Alliance for Regenerative Medicine]** [to 23 Nov 2019]

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

*No new digest content identified.*

**BIO** [to 23 Nov 2019]  
<https://www.bio.org/insights/press-release>  
*No new digest content identified.*

**DCVMN – Developing Country Vaccine Manufacturers Network** [to 23 Nov 2019]  
<http://www.dcvmn.org/>  
*News*  
*No new digest content identified.*

**IFPMA** [to 23 Nov 2019]  
<http://www.ifpma.org/resources/news-releases/>  
*Selected Press Releases, Statements, Publications*  
*No new digest content identified.*

**PhRMA** [to 23 Nov 2019]  
<http://www.phrma.org/>  
*Selected Press Releases, Statements*  
*Website not responding at inquiry.*

## **Industry Watch**

### **:: [Takeda Presents 18-Month Data from Pivotal Phase 3 Trial of Dengue Vaccine Candidate at the American Society of Tropical Medicine and Hygiene \(ASTMH\) 68th Annual Meeting](#)**

- Data presented from the pivotal Phase 3 trial include an update on overall efficacy of the vaccine candidate, as well as formal analyses of secondary efficacy endpoints by serotype, baseline serostatus and disease severity –
  - 18-month results build upon the efficacy and safety data reported in the 12-month analysis; overall vaccine efficacy remained generally consistent and the trial met all secondary endpoints for which there were a sufficient number of cases; safety and efficacy will be assessed over a total of four and a half years –
  - Takeda presented 11 abstracts across its vaccine pipeline at ASTMH, including oral presentations on its dengue and Zika vaccine candidates –
- November 23, 2019

### **:: [WuXi Vaccines to Build a \\$240 Million Manufacturing Facility in Ireland](#)**

DUNDALK, Ireland, Nov. 22, 2019 /PRNewswire/ -- WuXi Biologics ("WuXi Bio") (2269.HK), a leading global open-access biologics technology platform company offering end-to-end solutions for biologics discovery, development, and manufacturing, announced that its subsidiary WuXi Vaccines, engaged in human vaccine Contract Development and Manufacturing Organization (CDMO) business, is to invest 240 million USD and build a new vaccine manufacturing facility in Ireland. This investment follows the 20-year manufacturing Letter of Intent (LOI) signed by WuXi Vaccines earlier this year...

:: **Advent International to acquire majority stake in Bharat Serums and Vaccines**

*Investment to strengthen and expand Bharat Serums' offerings in India and global markets  
Transaction is Advent's seventh investment in the healthcare sector and fifth investment in India in 2019*

MUMBAI, INDIA, November 18, 2019 – Advent International (“Advent”), one of the largest and most experienced global private equity investors, today announced that it has signed a definitive agreement to acquire a majority interest in Bharat Serums and Vaccines Limited (“Bharat Serums” or “BSV”), a biopharmaceutical leader in women’s healthcare, assisted reproductive treatment, critical care and emergency medicine in India and emerging markets...

\* \* \* \*

***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**

November 2019 Volume 47, Issue 11, p1283-1404

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

[Reviewed earlier]

**American Journal of Preventive Medicine**

November 2019 Volume 57, Issue 5, p585-732

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

[Reviewed earlier]

**American Journal of Public Health**

November 2019 109(11)

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

[Reviewed earlier]

**American Journal of Tropical Medicine and Hygiene**

Volume 101, Issue 4, Supplement\_2019

<http://www.ajtmh.org/content/journals/14761645/101/4>

***Impact, Innovation, and Inclusion of Civil Society Organizations in Polio Eradication:  
The Core Group Polio Project Story***

Guest Editors: Henry Perry and Jon Andrus  
[Reviewed earlier]

### **Annals of Internal Medicine**

19 November 2019 Vol: 171, Issue 10

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

[New issue; No digest content identified]

### **BMC Cost Effectiveness and Resource Allocation**

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

(Accessed 23 Nov 2019)

[No new digest content identified]

### **BMJ Global Health**

November 2019 - Volume 4 - 6

<https://gh.bmj.com/content/4/6>

[Reviewed earlier]

### **BMC Health Services Research**

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

(Accessed 23 Nov 2019)

[No new digest content identified]

### **BMC Infectious Diseases**

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

(Accessed 23 Nov 2019)

*Research article*

#### **[Development of a high number, high coverage dog rabies vaccination programme in Sri Lanka](#)**

*Rabies is estimated to cause 59,000 deaths and economic losses of US\$8.6 billion every year. Despite several years of rabies surveillance and awareness programmes, increased availability of post-exposure proph...*

Authors: Carlos Sánchez-Soriano, Andrew D. Gibson, Luke Gamble, Jordana L. Burdon Bailey, Samantha Green, Mark Green, Barend M. deC. Bronsvort, Ian G. Handel, Richard J. Mellanby and Stella Mazeri

Citation: BMC Infectious Diseases 2019 19:977

Content type: Research article

Published on: 20 November 2019

### **BMC Medical Ethics**

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

(Accessed 23 Nov 2019)

**[Is selecting better than modifying? An investigation of arguments against germline gene editing as compared to preimplantation genetic diagnosis](#)**

Authors: Alix Lenia v. Hammerstein, Matthias Eggel and Nikola Biller-Andorno

Content type: Debate

21 November 2019

**BMC Medicine**

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

(Accessed 23 Nov 2019)

[No new digest content identified]

**BMC Pregnancy and Childbirth**

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

(Accessed 23 Nov 2019)

[No new digest content identified]

**BMC Public Health**

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

(Accessed 23 Nov 2019)

*Study protocol*

**[Interventions to improve human papillomavirus vaccination among Chinese female college students: study protocol for a randomized controlled trial](#)**

*While the HPV vaccines have been approved by the US FDA since 2006, in recent years an increasing number of women are living with cervical cancer globally. Among them, Chinese women have a higher cervical cancer...*

Authors: Mingyu Si, Xiaoyou Su, Yu Jiang, Youlin Qiao and Yuanli Liu

Citation: BMC Public Health 2019 19:1546

Content type:

Published on: 21 November 2019

**BMC Research Notes**

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

(Accessed 23 Nov 2019)

[No new digest content identified]

**BMJ Open**

November 2019 - Volume 9 - 11

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

[Reviewed earlier]

**Bulletin of the World Health Organization**

Volume 97, Number 11, November 2019, 729-788

<https://www.who.int/bulletin/volumes/97/11/en/>  
[Reviewed earlier]

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

Volume 45, Issue 6 Pages: 773-876 November 2019  
<https://onlinelibrary.wiley.com/toc/13652214/current>  
[Reviewed earlier]

### **Clinical Therapeutics**

October 2019 Volume 41, Issue 10, p1899-2198  
<http://www.clinicaltherapeutics.com/current>  
[Reviewed earlier]

### **Clinical Trials**

Volume 16 Issue 5, October 2019  
<https://journals.sagepub.com/toc/ctja/16/5>  
[Reviewed earlier]

### **Conflict and Health**

<http://www.conflictandhealth.com/>  
[Accessed 23 Nov 2019]  
[No new digest content identified]

### **Contemporary Clinical Trials**

Volume 86 November 2019  
<https://www.sciencedirect.com/journal/contemporary-clinical-trials/vol/86/suppl/C>  
[New issue; No digest content identified]

### **The CRISPR Journal**

Volume 2, Issue 5 / October 2019  
<https://www.liebertpub.com/toc/crispr/2/5>  
***Special Issue: The Ethics of Human Genome Editing***  
Guest Editors: Sarah Chan and Samuel Sternberg  
[Reviewed earlier]

### **Current Genetic Medicine Reports**

Volume 7, Issue 3, September 2019  
<https://link.springer.com/journal/40142/7/3>  
[Reviewed earlier]

**Current Opinion in Infectious Diseases**

December 2019 - Volume 32 - Issue 6

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

[Reviewed earlier]

**Developing World Bioethics**

Volume 19, Issue 3 Pages: 123-185 September 2019

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

[Reviewed earlier]

**Development in Practice**

Volume 29, Issue 8, 2019

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

[Reviewed earlier]

**Disaster Medicine and Public Health Preparedness**

Volume 13 - Issue 4 - August 2019

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

[Reviewed earlier]

**Disasters**

Volume 44, Issue 1 Pages: 1-232 January 2020

<https://onlinelibrary.wiley.com/toc/14677717/current>

[New issue; No digest content identified]

**EMBO Reports**

Volume 20 Issue 11 5 November 2019

<https://www.embopress.org/toc/14693178/current>

[Reviewed earlier]

**Emerging Infectious Diseases**

Volume 25, Number 11—November 2019

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

[Reviewed earlier]

**Epidemics**

Volume 28 September 2019

<https://www.sciencedirect.com/journal/epidemics/vol/28/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 6 November–December 2019

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

***Trial Design, Stakeholder Perspectives, Pregnancy and Research***

*Articles*

**[Including Pregnant Women in Clinical Research: Practical Guidance for Institutional Review Boards](#)**

Pamela Payne

Pages: 35-40

First Published: 19 November 2019

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

Volume 29, Issue Supplement\_4, November 2019

[https://academic.oup.com/eurpub/issue/29/Supplement\\_4](https://academic.oup.com/eurpub/issue/29/Supplement_4)

***Supplement 12th European Public Health Conference Building bridges for solidarity and public health Marseille, France 20th–23rd November 2019***

1.D. Global health and migration

**[Vaccination status of migrant populations in EU/EEA countries and implications for VPD control](#)**

S Hargreaves, J Himmels, L B Nellums, E McGuire, J S Friedland

Eur J Public Health, Volume 29, Issue Supplement\_4, November 2019, ckz185.015,

<https://doi.org/10.1093/eurpub/ckz185.015>

## **Gates Open Research**

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

[Accessed 23 Nov 2019]

[No new digest content identified]

## **Genome Medicine**

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

[Accessed 23 Nov 2019]

[No new digest content identified]

## **Global Health Action**

Volume 12, 2019 Supp 1

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

***Antimicrobial Resistance – Issue In Progress***



[Reviewed earlier]

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

Vol. 7, No. 3 September 01, 2019

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

[Reviewed earlier]

### **Global Public Health**

Volume 14, 2019 Issue 12

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

[Reviewed earlier]

### **Globalization and Health**

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

[Accessed 23 Nov 2019]

#### **[Building the capacity of users and producers of evidence in health policy and systems research for better control of endemic diseases in Nigeria: a situational analysis](#)**

*There is a current need to build the capacity of Health Policy and Systems Research + Analysis (HPSR+A) in low and middle-income countries (LMICs) as this enhances the processes of decision-making at all levels...*

Authors: Obinna Onwujekwe, Enyi Etiaba, Chinyere Mbachu, Uchenna Ezenwaka, Ifeanyi Chikezie, Ifeyinwa Arize, Chikezie Nwankwor and Benjamin Uzochukwu

Content type: Research

21 November 2019

### **Health Affairs**

Vol. 38, No. 11 November 2019

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

#### ***Household Costs, Food & More***

[No new digest content identified]

### **Health and Human Rights**

Volume 21, Issue 1, June 2019

<https://www.hhrjournal.org/volume-21-issue-1-june-2019/>

#### ***Special Section on Global Health Fieldwork Ethics and Human Rights Special Section on Invoking Health and Human Rights in the United States***

[Reviewed earlier]

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

Volume 14 - Issue 4 - October 2019

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

[Reviewed earlier]

### **Health Policy and Planning**

Volume 34, Issue Supplement\_2, November 2019

[https://academic.oup.com/heapol/issue/34/Supplement\\_2](https://academic.oup.com/heapol/issue/34/Supplement_2)

#### ***SUPPLEMENT***

***Advancing health systems for all in the Sustainable Development Goal (SDG) era***  
*Editorial*

#### **The State of Health Policy and Systems Research: Reflections From the 2018 5th Global Symposium**

Kara Hanson, Kumanan Rasanathan, Asha George

Health Policy Plan, Volume 34, Issue Supplement\_2, November 2019, Pages ii1–ii3,

<https://doi.org/10.1093/heapol/czz113>

Health policy and systems research (HPSR) is now well-established as a field, facilitating interdisciplinary and engaged research and practice to strengthen health systems (de Savigny and Adam, 2009; Sheikh et al., 2011; Gilson 2012; Loewenson et al., 2014; George et al., 2017; Gilson et al., 2018), with growing understanding of its utility and value. One sign of its increasing strength is the continuing popularity of a regular 'peak' global event dedicated as a meeting space for exchange and dialogue across the diverse stakeholders critical to this field.

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

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

[Accessed 23 Nov 2019]

[No new digest content identified]

### **Human Gene Therapy**

Volume 30, Issue 11 / November 2019

<https://www.liebertpub.com/toc/hum/30/11>

[Reviewed earlier]

### **Humanitarian Exchange Magazine**

Number 75, May 2019

<https://odihpn.org/magazine/making-humanitarian-action-work-for-women-and-girls/>

#### ***Special Feature: Making humanitarian action work for women and girls***

by HPN May 2019

The theme of this edition of Humanitarian Exchange, co-edited with Women Deliver, is making humanitarian action work for women and girls. Despite gains, including commitments made at the World Humanitarian Summit, there is still much to be done to address the gendered impacts of humanitarian crises and improve gender-sensitive humanitarian action.

In the lead article, Jacqueline Paul advocates for feminist humanitarian action based on evidence that improvements in women's socio-economic status can reduce excess mortality among women after shocks. Jean Kemitare, Juliet Were and Jennate Eoomkham look at the role of local women's rights organisations in preventing and responding to violence against women

and girls, and Marcy Hersh and Diana Abou Abbas highlight opportunities for more concrete action on sexual and reproductive health in emergencies.

Citing experience from Vanuatu, Jane Newnham explains how women will choose to use contraceptives even during a humanitarian response, when services and counselling are delivered in an appropriate and responsive way. Drawing on experience in Bangladesh, Tamara Feters and colleagues challenge the belief that abortion is a non-essential service, or too complicated for humanitarian actors to provide. Darcy Ataman, Shannon Johnson, Justin Cikuru and Jaime Cundy reflect on an innovative programme using music therapy to help survivors of trauma.

Emilie Rees Smith, Emma Symonds and Lauryn Oates highlight lessons from the STAGE education programme in Afghanistan, and Degan Ali and Deqa Saleh outline how African Development Solutions is helping women and girls take on leadership and decision-making roles in Somalia. Fiona Samuels and Taveeshi Gupta explore patterns of suicide among young people in Vietnam, with a particular focus on girls, and Subhashni Raj, Brigitte Laboukly and Shantony Moli illustrate the importance of a gendered approach to community-based disaster risk reduction in the South-West Pacific. Nicola Jones, Workneh Yadete and Kate Pincock draw on research in Ethiopia to explore the gender- and age-specific vulnerabilities of adolescents. The edition ends with an article by Julie Rialet-Cislaghi on how humanitarian responses can better address child marriage.

[Reviewed earlier]

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

Volume 15, Issue 10, 2019

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

[Reviewed earlier]

### **Infectious Agents and Cancer**

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

[Accessed 23 Nov 2019]

[No new digest content identified]

### **Infectious Diseases of Poverty**

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

[Accessed 23 Nov 2019]

[No new digest content identified]

### **International Health**

Volume 11, Issue Supplement\_1, November 2019

[https://academic.oup.com/inthealth/issue/11/Supplement\\_1](https://academic.oup.com/inthealth/issue/11/Supplement_1)

[Reviewed earlier]

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

Vol 6, No 11 (2019) November 2019

<https://www.ijcmph.com/index.php/ijcmph/issue/view/56>

*Original Research Articles*

#### **Assessment of vaccine wastage in an immunization clinic of a tertiary care hospital, Kolkata, West Bengal**

Nabanita Chakraborty, Gautam Kumar Joardar

DOI: [10.18203/2394-6040.ijcmph20195088](https://doi.org/10.18203/2394-6040.ijcmph20195088)

### **International Journal of Epidemiology**

Volume 48, Issue 5, October 2019

<https://academic.oup.com/ije/issue/48/5>

[Reviewed earlier]

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

Volume 12 Issue 5

<https://www.emerald.com/insight/publication/issn/2056-4902/vol/12/iss/5>

[Reviewed earlier]

### **International Journal of Infectious Diseases**

November 2019 Volume 88, p1-158

[https://www.ijidonline.com/issue/S1201-9712\(19\)X0017-X](https://www.ijidonline.com/issue/S1201-9712(19)X0017-X)

[Reviewed earlier]

### **JAMA**

November 19, 2019, Vol 322, No. 19, Pages 1839-1932

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

*Viewpoint*

#### **Complexity in Assessing the Benefit vs Risk of Vaccines - Experience With Rotavirus and Dengue Virus Vaccines**

H. Cody Meissner, MD

JAMA. 2019;322(19):1861-1862. doi:10.1001/jama.2019.16206

This Viewpoint uses experience with rotavirus vaccine–induced intussusception and dengue virus vaccine–induced shock syndrome to discuss issues of disease prevalence and severity underlying recommendations the vaccines be used widely, and it reviews the systems in place to monitor vaccine safety that broadly favor vaccine benefits over risks to individuals and society.

### **JAMA Pediatrics**

November 2019, Vol 173, No. 11, Pages 1007-1115

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

[Reviewed earlier]

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

November 2019 - Volume 17 - Issue 11

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

[Reviewed earlier]

**Journal of Adolescent Health**

November 2019 Volume 65, Issue 5, p571-708

[https://www.jahonline.org/issue/S1054-139X\(18\)X0013-5](https://www.jahonline.org/issue/S1054-139X(18)X0013-5)

[Reviewed earlier]

**Journal of Community Health**

Volume 44, Issue 6, December 2019

<https://link.springer.com/journal/10900/44/6>

[Reviewed earlier]

**Journal of Development Economics**

Volume 141 November 2019

<https://www.sciencedirect.com/journal/journal-of-development-economics/vol/141/suppl/C>

***Special section on The Microeconomics of Conflict***

[Reviewed earlier]

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

Volume 14 Issue 4, October 2019

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

[Reviewed earlier]

**Journal of Epidemiology & Community Health**

December 2019 - Volume 73 - 12

<https://jech.bmj.com/content/73/12>

[Reviewed earlier]

**Journal of Evidence-Based Medicine**

Volume 12, Issue 3 Pages: 185-231 August 2019

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

[Reviewed earlier]

**Journal of Global Ethics**

Volume 15, Issue 2, 2019

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

***Selected papers of the 2018 meetings of International Development Ethics Association & Groupe de Recherche en Economie Théorique et Appliquée***  
[Reviewed earlier]

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

Volume 30, Number 3, August 2019  
<https://muse.jhu.edu/issue/40788>  
[Reviewed earlier]

**Journal of Immigrant and Minority Health**

Volume 21, Issue 6, December 2019  
<https://link.springer.com/journal/10903/21/6>  
[Reviewed earlier]

**Journal of Immigrant & Refugee Studies**

Volume 17, 2019\_ Issue 4  
<https://www.tandfonline.com/toc/wimm20/current>  
[Reviewed earlier]

**Journal of Infectious Diseases**

Volume 220, Issue 6, 15 September 2019  
<https://academic.oup.com/jid/issue/220/6>  
[Reviewed earlier]

**Journal of Medical Ethics**

November 2019 - Volume 45 - 11  
<http://jme.bmj.com/content/current>  
[Reviewed earlier]

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

Volume 6, Issue 4 (2019)  
<https://digitalrepository.aurorahealthcare.org/jpcrr/>  
[Reviewed earlier]

**Journal of Pediatrics**

November 2019 Volume 214, p1-248  
<http://www.jpeds.com/current>  
[Reviewed earlier]

**Journal of Pharmaceutical Policy and Practice**

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

[Accessed 23 Nov 2019]

[No new digest content identified]

### **Journal of Public Health Management & Practice**

November/December 2019 - Volume 25 - Issue 6

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

[Reviewed earlier]

### **Journal of Public Health Policy**

Volume 40, Issue 3, September 2019

<https://link.springer.com/journal/41271/40/3>

[Reviewed earlier]

### **Journal of Refugee & Global Health**

Volume 2, Issue 2 (2019)

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

[Reviewed earlier]

### **Journal of the Royal Society – Interface**

6 November 2019 Volume 16 Issue 160

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

[Reviewed earlier]

### **Journal of Travel Medicine**

Volume 26, Issue 7, 2019

<https://academic.oup.com/jtm/issue/26/7>

[Reviewed earlier]

### **Journal of Virology**

November 2019; Volume 93, Issue 21

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

[Reviewed earlier]

### **The Lancet**

Nov 23, 2019 Volume 394 Number 10212 p1879-1964, e37

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

[New issue; No digest content identified]

### **The Lancet Child & Adolescent Health**

Nov 2019 Volume 3 Number 11p749-834  
<https://www.thelancet.com/journals/lanchi/issue/current>  
[Reviewed earlier]

### **Lancet Digital Health**

Nov 2019 Volume 1 Number 7e319-e374  
<https://www.thelancet.com/journals/landig/issue/current>  
[Reviewed earlier]

### **Lancet Global Health**

Nov 2019 Volume 7 Number 11e1467-e1583  
<http://www.thelancet.com/journals/langlo/issue/current>  
[Reviewed earlier]

### **Lancet Infectious Diseases**

Nov 2019 Volume 19Number 11p1149-1264, e370-e403  
<http://www.thelancet.com/journals/laninf/issue/current>  
[Reviewed earlier]

### **Lancet Respiratory Medicine**

Nov 2019 Volume 7Number 11p921-992, e33-e36  
<http://www.thelancet.com/journals/lanres/issue/current>  
[Reviewed earlier]

### **Maternal and Child Health Journal**

Volume 23, Issue 11, November 2019  
<https://link.springer.com/journal/10995/23/11>  
[Reviewed earlier]

### **Medical Decision Making (MDM)**

Volume 39 Issue 7, October 2019  
<http://mdm.sagepub.com/content/current>  
[New issue; No digest content identified]

### **The Milbank Quarterly**

*A Multidisciplinary Journal of Population Health and Health Policy*  
Volume 97, Issue 3 Pages: 621-880 September 2019  
<https://onlinelibrary.wiley.com/toc/14680009/current>  
[Reviewed earlier]



## Nature

Volume 575 Issue 7783, 21 November 2019

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

Editorial | 20 November 2019

### **Human germline editing needs one message**

*Science academies and the World Health Organization must act in unison.*

A year ago this week, geneticist He Jiankui made the shocking announcement of the birth of twin girls in China whose genomes had been edited to prevent HIV infection. Undeterred by the global opprobrium heaped on He, Russia's Denis Rebrikov told *Nature* last month about more experiments involving gene editing of human eggs, to help deaf couples give birth to children who would lack the genetic mutation carried by their parents that impairs hearing.

At the same time, every month seems to bring another gene-editing advance. The latest tool, a precision 'search and replace' technique called prime editing, was described in *Nature* last month by David Liu at the Broad Institute of MIT and Harvard in Cambridge, Massachusetts, and his colleagues (A. V. Anzalone et al. *Nature* <http://doi.org/dczp>; 2019). Randall Platt at the Swiss Federal Institute of Technology (ETH) in Basel called it a "giant leap" towards the goal of making specific changes to the blueprint of life.

The speed of technological advance, coupled with some scientists' determination to press ahead with editing human germline cells — eggs, sperm and embryonic cells — has been sounding alarm bells for nearly five years. Editing could produce unpredictable changes that an individual's descendants will inherit — with potentially wide-reaching societal implications. Academies, governments and ethicists have been considering how to regulate this. But the manner in which it is being done is suboptimal.

In 2018, the World Health Organization (WHO) set up an independent expert panel to advise on the oversight and governance of human genome editing. A separate international commission on the clinical use of human germline genome editing gathered for its second meeting in London last week. This commission was established by the US National Academy of Science, the US National Academy of Medicine and Britain's Royal Society, to recommend standards and criteria for germline genome editing. Both will report next year, and the commission's report will feed into the WHO process.

But the WHO panel has already recommended setting up a public registry for genome-editing experiments. It has also made an interim recommendation that "it would be irresponsible at this time for anyone to proceed with clinical applications of human germline genome editing", which has been accepted by the agency's leadership. The international commission has yet to say what it thinks, but it would make little sense for it to disagree.

It isn't entirely clear why separate initiatives are needed, and it is unfortunate that representatives of people with disabilities are not part of the decision-making process. However, it isn't too late to rectify these issues, and the two initiatives must, in the end, converge. There are very real risks that unregulated clinics claiming to be able to eliminate inherited conditions will use untested, possibly harmful procedures. A sure-fire way to give such clinics the green light is an absence of agreed global standards. When the two groups report next year, they must speak with one voice and have more inclusive representation.

*Comment* | 20 November 2019

**Disaster-zone research needs a code of conduct**

Study the effects of earthquakes, floods and other natural hazards with sensitivity to ethical dilemmas and power imbalances.

JC Gaillard & Lori Peek

**Nature Biotechnology**

Volume 37 Issue 11, November 2019

<https://www.nature.com/nbt/volumes/37/issues/11>

[Reviewed earlier]

**Nature Genetics**

Volume 51 Issue 11, November 2019

<https://www.nature.com/ng/volumes/51/issues/11>

[Reviewed earlier]

**Nature Medicine**

Volume 25 Issue 11, November 2019

<https://www.nature.com/nm/volumes/25/issues/11>

[Reviewed earlier]

**Nature Reviews Genetics**

Volume 20 Issue 11, November 2019

<https://www.nature.com/nrg/volumes/20/issues/11>

[Reviewed earlier]

**Nature Reviews Immunology**

Volume 19 Issue 11, November 2019

<https://www.nature.com/nri/volumes/19/issues/11>

[Reviewed earlier]

**New England Journal of Medicine**

November 21, 2019 Vol. 381 No. 21

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

*Original Articles*

**Efficacy of a Tetravalent Dengue Vaccine in Healthy Children and Adolescents**

S. Biswal and Others

*...Conclusions*

TAK-003 was efficacious against symptomatic dengue in countries in which the disease is endemic. (Funded by Takeda Vaccines; TIDES ClinicalTrials.gov number, [NCT02747927](https://clinicaltrials.gov/ct2/show/study/NCT02747927))

## **Pediatrics**

November 01, 2019; Volume 144, Issue 5

<https://pediatrics.aappublications.org/content/144/5?current-issue=y>

[Reviewed earlier]

## **Pharmaceutics**

Volume 11, Issue 10 (October 2019)

<https://www.mdpi.com/1999-4923/11/10>

[Reviewed earlier]

## **PharmacoEconomics**

Volume 37, Issue 11, November 2019

<https://link.springer.com/journal/40273/37/11>

***Themed Issue : Improving Transparency in Decision Models***

[Reviewed earlier]

## **PLoS Genetics**

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

(Accessed 23 Nov 2019)

[No new digest content identified]

## **PLoS Medicine**

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

(Accessed 23 Nov 2019)

[No new digest content identified]

## **PLoS Neglected Tropical Diseases**

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

(Accessed 23 Nov 2019)

**[Vaccination strategies to control Ebola epidemics in the context of variable household inaccessibility levels](#)**

Gerardo Chowell, Amna Tariq, Maria Kiskowski

Research Article | published 21 Nov 2019 PLOS Neglected Tropical Diseases

<https://doi.org/10.1371/journal.pntd.0007814>

*Author summary*

In the context of the ongoing Ebola epidemic in DRC, active conflict and community distrust are undermining control efforts, including vaccination strategies. In this paper, we employed an individual-level stochastic structured transmission model to assess the impact of vaccination strategies on epidemic control in the context of variable levels of household inaccessibility. We found that a ring vaccination strategy of close contacts would not be effective for containing the epidemic in the context of significant delays to vaccinating contacts even for low levels of household inaccessibility and evaluate the impact of a supplemental community vaccination strategy. For lower levels of inaccessibility, the probability of epidemic containment increases

over time. For higher levels of inaccessibility, even the combined ring and community vaccination strategies are not expected to contain the epidemic even though they help lower incidence levels, which saves lives, makes the epidemic easier to contain and reduces spread to other communities. We found that ring vaccination is effective for containing an outbreak until the levels of inaccessibility exceeds approximately 10%, a combined ring and community vaccination strategy is effective until the levels of inaccessibility exceeds approximately 50%. Our findings underscore the need to enhance community engagement to public health interventions.

### **PLoS One**

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

[Accessed 23 Nov 2019]

*Research Article*

#### **[Vaccine cold chain in general practices: A prospective study in 75 refrigerators \(Keep Cool study\)](#)**

Anika Thielmann, Marie-Therese Puth, Christine Kersting, Johannes Porz, Birgitta Weltermann  
Research Article | published 19 Nov 2019 PLOS ONE

<https://doi.org/10.1371/journal.pone.0224972>

### **PLoS Pathogens**

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

[Accessed 23 Nov 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 23 Nov 2019]

[No new digest content identified]

### **Prehospital & Disaster Medicine**

Volume 34 - Issue 5 - October 2019

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

[Reviewed earlier]

### **Preventive Medicine**

Volume 127 October 2019

<https://www.sciencedirect.com/journal/preventive-medicine/vol/127/suppl/C>

[Reviewed earlier]

### **Proceedings of the Royal Society B**

13 November 2019 Volume 286 Issue 1915

<https://royalsocietypublishing.org/toc/rsph/current>  
[New issue; No digest content identified]

### **Public Health**

Volume 175 Pages A1-A2, 1-156 (October 2019)  
<https://www.sciencedirect.com/journal/public-health/vol/175/suppl/C>  
[Reviewed earlier]

### **Public Health Ethics**

Volume 12, Issue 2, July 2019  
<http://phe.oxfordjournals.org/content/current>  
[Reviewed earlier]

### **Public Health Reports**

Volume 134 Issue 6, November/December 2019  
<https://journals.sagepub.com/toc/phrg/134/6>  
[Reviewed earlier]

### **Qualitative Health Research**

Volume 29 Issue 13, November 2019  
<http://qhr.sagepub.com/content/current>  
[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 23 Nov 2019]  
[No new digest content identified]

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

<https://www.paho.org/journal/en>  
*Latest articles*  
[No new digest content identified]

### **Risk Analysis**

Volume 39, Issue 11 Pages: 2351-2597 November 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>  
[Accessed 23 Nov 2019]  
[No new digest content identified]

### **Science**

22 November 2019 Vol 366, Issue 6468  
<http://www.sciencemag.org/current.dtl>  
[New issue; No digest content identified]

### **Science Translational Medicine**

20 November 2019 Vol 11, Issue 519  
<https://stm.sciencemag.org/>  
[New issue; No digest content identified]

### **Social Science & Medicine**

Volume 241 November 2019  
<https://www.sciencedirect.com/journal/social-science-and-medicine/vol/241/suppl/C>  
[Reviewed earlier]

### **Systematic Reviews**

<https://systematicreviewsjournal.biomedcentral.com/articles>  
[Accessed 23 Nov 2019]  
[No new digest content identified]

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

Volume 31 September–October 2019  
<https://www.sciencedirect.com/journal/travel-medicine-and-infectious-disease/vol/31/suppl/C>  
[Reviewed earlier]

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

Volume 24, Issue 11 Pages: i-iv, 1263-1340 November 2019  
<https://onlinelibrary.wiley.com/toc/13653156/current>  
[Reviewed earlier]

### **Vaccine**

Volume 37, Issue 51 Pages 7451-7518 (3 December 2019)  
<https://www.sciencedirect.com/journal/vaccine/vol/37/issue/51>

*Research article Abstract only*

**[Parent resources for early childhood vaccination: An online environmental scan](#)**

Shokoufeh Modanloo, Dawn Stacey, Sandra Dunn, Juliana Choueiry, Denise Harrison

Pages 7493-7500

Vaccine

Volume 37, Issue 50, Pages 7289-7450 (28 November 2019)  
<https://www.sciencedirect.com/journal/vaccine/vol/37/issue/50>

***WHO Product Development for Vaccines Advisory Committee (PDVAC) - Associated R&D Activities***

Edited by B.K. Giersing, S.L. Gottlieb, J. Vekemans, G.A. Poland

**Vaccines — Open Access Journal**

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

(Accessed 23 Nov 2019)

[No new digest content]

**Value in Health**

November 2019 Volume 22, Issue 11, p1227-1344

[https://www.valueinhealthjournal.com/issue/S1098-3015\(19\)X0011-X](https://www.valueinhealthjournal.com/issue/S1098-3015(19)X0011-X)

[Reviewed earlier]

**Viruses**

Volume 11, Issue 10 (October 2019)

<https://www.mdpi.com/1999-4915/11/10>

[New issue; No new digest content identified]

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

**Health Education & Behavior**

First Published November 19, 2019

**[Characterizing HPV vaccine sentiments and content on Instagram](#)**

MD Kearney, P Selvan, MK Hauer, AE Leader...

*Abstract*

Background. With its growing popularity, inclusion of image and text, and user-friendly interface, Instagram is uniquely positioned for exploring health behaviors and sources and types of informational exposure related to the human papillomavirus (HPV) vaccine. Aims. To characterize public Instagram posts about the HPV vaccine and quantify the impact of

sentiment and context on engagement via likes. Method. Using Netlytic, 3,378 publicly available English-language posts were collected using the search terms “#HPV,” “#HPVVaccine,” and “#Gardasil.” We randomly selected 1,200 posts to content analyze. Our final analytic sample included 360 posts after excluding posts whose links were no longer active (n = 221) or that were not relevant (n = 619). Results. A higher proportion of posts were pro-vaccine (55.8%) than anti-vaccine (42.2%). Pro-HPV vaccination posts were liked significantly less than anti-vaccination posts (24 vs. 86 likes;  $p < .001$ ). More posts contained actionable information/resources (63.9%) than personal narrative elements (36.1%). Less than one in three posts (30.0%) came from health-related sources. Discussion. Pro-vaccine posts were more prevalent on Instagram, and anti-vaccine posts had higher engagement and typically included misleading information about the HPV vaccine. Personal narratives skewed toward anti-vaccine sentiments and most were produced by individual users. Pro-vaccine narratives portrayed individuals who received the vaccine, but provided limited details on vaccine experiences, starkly contrasting with the depth of details in anti-vaccine personal narrative posts. Conclusion. On Instagram, individuals and organizations have an opportunity to promote HPV vaccination by continuing to provide informational resources in addition to creating more narrative-style posts.

### **Innovation in Aging**

2019 Nov; 3(Suppl 1): S809.

#### **SHINGLES VACCINE UPTAKE AMONG OLDER ADULTS: IDENTIFYING EARLY, LATE, AND NON-ADOPTERS**

H Kang, E Crimmins, JA Ailshire -

##### *Abstract*

Although a shingles vaccine (Zostavax) has been available since 2006, vaccination uptake has been slow. As a newly approved shingles vaccine (Shingrix) became available in 2018, understanding factors affecting acceptance and timing of the original vaccine would be useful in establishing effective strategies for greater immunization. Using the Health and Retirement study, we examined individual-level and area-level characteristics of early and late vaccine adopters, and those who were not vaccinated between 2006 and 2016. Early adopters were those who got vaccinated during the four year window after the approval of the vaccine; late vaccine adopters were those who got vaccinated from 2010 to 2016. Early adopters (13.5%) and late adopters (18.5%) comprised 32% of the sample, leaving two-thirds unvaccinated. Regression results suggest that those who received the vaccine were more likely to be socioeconomically advantaged, covered by insurance, socially active, healthy, to use other preventive vaccines, and to live in a region with more vaccinated people. Early adopters were more likely to be highly educated, affluent, and more conscientious compared to late adopters. Utilization of influenza vaccine and living in the region with the highest level of vaccination were found to be significant factors predicting early vaccine uptake. Our findings highlight the importance of outreach efforts and health care access in increasing vaccination rates.

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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 23 Nov 2019*

[No new, unique, relevant content]

### **BBC**

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

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

### **The Economist**

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

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

### **Financial Times**

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

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

### **Forbes**

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

*Accessed 23 Nov 2019*

Nov 19, 2019

#### **[Bill Gates Is Both Chief Funder And Fundraiser In Polio Fight](#)**

The Bill and Melinda Gates Foundation in partnership with His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi convened the "Reaching The Last Mile Forum" in Abu Dhabi today to announce total pledges of \$2.6 billion to fight polio.

By [Devin Thorpe](#) Contributor

Nov 18, 2019

#### **[The States Where Vaccination Rates Are Falling \[Infographic\]](#)**

A new study from the Health Testing Centers has found that more than half of U.S. states experienced a decline in vaccination rates between 2009 and 2018.

By [Niall McCarthy](#) Contributor

**Foreign Affairs**

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

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

**Foreign Policy**

<http://foreignpolicy.com/>

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

**The Guardian**

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

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

**New Yorker**

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

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

**New York Times**

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

*Accessed 23 Nov 2019*

Nov. 23

*World*

**[Samoa Measles Outbreak Kills 20, Mostly Children](#)**

Deaths related to measles, mostly among small children, have more than tripled to 20 in the past week on the Pacific island of Samoa, the government has said eight days after declaring a state of emergency over the outbreak.

By Reuters

**Washington Post**

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

*Accessed 23 Nov 2019*

[No new, unique, relevant content]

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**[Think Tanks et al](#)****Brookings**

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

*Accessed 23 Nov 2019*

[No new relevant content]

**Center for Global Development**

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

Accessed 23 Nov 2019  
[No new relevant content]

### CSIS

<https://www.csis.org/>  
Accessed 23 Nov 2019  
[No new relevant content]

### Council on Foreign Relations

<http://www.cfr.org/>  
Accessed 23 Nov 2019  
[No new relevant content]

### Kaiser Family Foundation

[https://www.kff.org/search/?post\\_type=pre-ss-release](https://www.kff.org/search/?post_type=pre-ss-release)  
[No new relevant content]

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

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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