

Wednesday, 27 October 2021  
12:00-1:00 p.m. (EST)

A Zoom Webinar: <https://us02web.zoom.us/j/82231534062>

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*The Hayden-Farr Lecture in Epidemiology and Virology*

## **Overview of a Pandemic**

**Sylvie Briand MD PhD MPH**

Director of the Global Infectious Hazard Preparedness Department (GIH) at the World Health Organization's (WHO) headquarters in Geneva, Switzerland

**Frederick G. Hayden MD, moderator**

As the COVID-19 pandemic has evolved around the world, it has passed through several phases, raising distinct questions and challenges in each phase. Dr. Sylvie Briand from the World Health Organization will present on how the pandemic has evolved over time and will give a high level overview of emerging issues during each phase of the pandemic.

### SUGGESTED RESOURCES:

1. WHO Coronavirus Disease (COVID-19) Dashboard <https://covid19.who.int/>
2. R&D Blueprint and COVID-19 <https://www.who.int/teams/blueprint/covid-19>
3. Global research and innovation forum to mobilize international action in response to the novel coronavirus (2019-nCoV) emergency [https://www.who.int/news-room/events/detail/2020/02/11/default-calendar/global-research-and-innovation-forum-to-mobilize-international-action-in-response-to-the-novel-coronavirus-\(2019-ncov\)-emergency](https://www.who.int/news-room/events/detail/2020/02/11/default-calendar/global-research-and-innovation-forum-to-mobilize-international-action-in-response-to-the-novel-coronavirus-(2019-ncov)-emergency)
4. Considerations for implementing and adjusting public health and social measures in the context of COVID-19 <https://www.who.int/publications/i/item/considerations-in-adjusting-public-health-and-social-measures-in-the-context-of-covid-19-interim-guidance>
5. Non-pharmaceutical public health measures for mitigating the risk and impact of epidemic and pandemic influenza <https://apps.who.int/iris/bitstream/handle/10665/329438/9789241516839-eng.pdf?ua=1>
6. Prevention, identification and management of health worker infection in the context of COVID-19: interim guidance, 30 October 2020 <https://apps.who.int/iris/handle/10665/336265>
7. IMF: New predictions suggest a deeper recession and a slower recovery <https://www.weforum.org/agenda/2020/06/imf-lockdown-recession-covid19-coronavirus-economics-recession/>
8. Three factors help you make safer choices during COVID-19 <https://www.who.int/teams/risk-communication/covid-19-transmission>
9. Infodemic management <https://www.who.int/teams/risk-communication/infodemic-management>
10. COVID-19 vaccines <https://www.who.int/emergencies/diseases/novel-coronavirus-2019/covid-19-vaccines>
11. Fair allocation mechanism for COVID-19 vaccines through the COVAX Facility
12. <https://www.who.int/publications/m/item/fair-allocation-mechanism-for-covid-19-vaccines-through-the-covax-facility>

13. Draft landscape and tracker of COVID-19 candidate vaccines <https://www.who.int/publications/m/item/draft-landscape-of-covid-19-candidate-vaccines>
14. SARS-CoV-2 variants <https://www.who.int/publications/m/item/weekly-epidemiological-update-on-covid-19---21-september-2021>
15. Our World in Data <https://ourworldindata.org/>
16. World Bank <https://blogs.worldbank.org/opendata/updated-estimates-impact-covid-19-global-poverty-turning-corner-pandemic-2021>

**Dr Sylvie Briand, MD, PhD, MPH** is Director of the Global Infectious Hazard Preparedness department (GIH) at the World Health Organization's (WHO) headquarters in Geneva, Switzerland. GIH develops global strategies to prevent and control epidemic-prone diseases under the International Health Regulations. The scope of GIH includes COVID-19 but also other dangerous pathogens such as pandemic influenza, plague, Nipah virus, smallpox and other pox viruses and arboviruses (Zika, yellow fever and Chikungunya) as well as Disease X.

Dr Briand has been at the fore front of managing acute infectious risks to global health for more than 20 years, ensuring the development of global mechanisms and sustainable frameworks to facilitate multi sectoral and multi-partners coordination for epidemics and pandemics. It includes:

- The “Eliminating Yellow fever Epidemics” Strategy (EYE) with more than 50 partners to protect 1.4 billion people against yellow fever by 2026,
- The implementation of the Pandemic Influenza Preparedness Framework, a bold and innovative public private partnership to improve pandemic preparedness
- The development of OPEN WHO a Massive On Line Open Course platform to train millions of people during pandemic
- And more recently the management of the infodemic due to the COVID19 crisis in partnerships with other UN agencies and social media platforms. WHO has promoted the development of the Infodemiology, a new scientific discipline to support “infodemic management”

For COVID19, Dr Briand is also fostering the improvement of “infodemic management” through a global partnership including social media platforms and other UN agencies.

**Frederick G. Hayden, MD, FACP** is Stuart S. Richardson Professor Emeritus of Clinical Virology and Professor Emeritus of Medicine at the University of Virginia School of Medicine in Charlottesville, Virginia, USA. During 2006-2008 he served as a medical officer in the Global Influenza Programme at the World Health Organization, Geneva and during 2008-2012 as influenza research coordinator at the Wellcome Trust, London.

Dr Hayden received his medical degree from Stanford University School of Medicine in 1973 and completed his clinical training in internal medicine and infectious diseases at Strong Memorial Hospital, University of Rochester, New York. He joined the faculty of the University of Virginia in 1978, became Richardson Professor in 1990, and transitioned to emeritus status in 2015. His principle research interests have been on respiratory viral infections with a particular focus on the development and application of antiviral agents for influenza, rhinovirus, and coronavirus infections. He has published over 450 peer-reviewed papers, chapters, and other articles, and co-edits the textbook *Clinical Virology*.


Dr Hayden chaired the writing committees for WHO clinical consultations on avian H5N1 and pandemic 2009 H1N1 influenza and has served as a consultant to WHO on respiratory and emerging viral infectious diseases including influenza, MERS, Ebola, and COVID-19. During his work at the Wellcome Trust he helped to establish a new federation of clinical research networks called the International Severe Acute Respiratory and Emerging Infection Consortium (ISARIC) and with WHO colleagues to develop a new initiative, the Battle against Respiratory Viruses, to improve the clinical research response to respiratory virus threats. In 2019 he received the Lifetime Achievement Award for Influenza Research from International Society for Influenza and Other Respiratory Viral Diseases.

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