

Online Global Health Course 6: Viral Infections

About this course:

This course is provided by the Department of Medicine, Global Medicine as an online course in Canvas. This course prepares physicians and other health care providers to care for people traveling to (or living in) developing countries and other settings where resources are limited. If you have questions or need support during the course contact globalhealth@umn.edu.

Once enrolled in the course, complete all elements of the Canvas course including: the pre-test, modules, supplemental bonus material (optional, not required for completion of the course) and post-test. Be sure to complete the course evaluation form; this is required to receive the available CE credit and/or a Certificate of Completion.

Upon submission of your evaluation, you will have an opportunity to print a copy of your Certificate when it appears on your screen. The Office of Continuing Professional Development (OCPD) will also record your completion in [CE Portal](#). You will use your email address to access your account in CE Portal. Allow one month for your transcript in CE Portal to be updated; contact cme@umn.edu if you have questions or need assistance accessing CE Portal. *CE Portal is not connected to any other University or Fairview systems and if you have not previously accessed your CE Portal account, select Forgot Your Password on the Sign In screen to set your password.*

Estimated time to complete: 25 hours

Original Release Date: 4/1/2011

Recent Content Review: February 2025

Content Valid Through: 6/30/2026

Objectives

At the conclusion of this course, learners should be able to:

1. Analyze the epidemiology of tropical viral diseases.
2. Describe the pathophysiology and clinical presentation of these diseases, including HIV/AIDS, viral hepatitis and other viral infections.
3. Apply the diagnosis and treatment of these diseases at the clinical level.
4. Identify social determinants of health that impact viral diseases in neglected populations.

Accreditation

In support of improving patient care, University of Minnesota, Interprofessional Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.



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Credit Designation Statements

American Medical Association (AMA)

The University of Minnesota, Interprofessional Continuing Education designates this enduring material

for a maximum of 25.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Other Healthcare Professionals

Other healthcare professionals who participate in this CE activity may submit their statement of participation to their appropriate accrediting organizations or state boards for consideration of credit. The participant is responsible for determining whether this activity meets the requirements for acceptable continuing education.

Additional Information

Cancellation Policy

Registration of this asynchronous course is final with no refunds after the course has been started. If there are circumstances requiring administrative review, organizers may be contacted directly at gblhlth@umn.edu for individual review.

Disclosure Summary

Module A: HIV			
HIV Pathophysiology	Meghan Rothenberger MD	Faculty	Nothing to disclose
	Kristina Krohn MD	Faculty	Nothing to disclose
HIV Management	Meghan Rothenberger MD	Faculty	Nothing to disclose
HIV Management in low resource settings	David Meya, MD	Faculty	Nothing to disclose
Advanced HIV Disease	David Meya, MD	Faculty	Nothing to disclose
HIV Associated Opportunistic Infections	Dr. Mahsa Abassi	Faculty	Nothing to disclose
HIV Immune Reconstitution Inflammatory Syndrome	Dr. Mahsa Abassi		
	Dr. Josh Rhein	Faculty	Nothing to disclose
Global Pediatric HIV	Dr. Philippa Musoke	Faculty	Nothing to disclose
Prevention of Mother to Child Transmission of HIV	Briah Cooley	Faculty	Nothing to disclose
	Stephanie Madzey	Faculty	Nothing to disclose
	Dr. Kristina Krohn	Faculty	Nothing to disclose
HTLV-1: A Clinical Perspective	Daniel Griffin, MD, PhD	Faculty	Nothing to disclose
HIV in Adolescents and Immigrants	Dr. Rothenberger	Faculty	Nothing to disclose
Cryptococcal meningitis	Dr. Mahsa Abassi	Faculty	Nothing to disclose
Course 6 Module B: Hepatitis and Other Enteral Viruses			

Hepatitis B	Jose Debes, MD	Faculty	Nothing to disclose
Hep E Basics and Outbreak in Namibia	Matt Goers, MD	Faculty	Nothing to disclose
Rotavirus Case Based Learning	Beth Thielen, MD	Faculty	Grant/Research Support: Merck; Membership on Advisory Board: GSK; Honoraria: Seegene
Poliovirus: An Update	Farrell Tobolowsky, DO	Faculty	Nothing to disclose
Course 6, Module C: VIRAL ILLNESSES I			
Japanese Encephalitis Update	Liz Krow-Lucal, PhD	Faculty	Nothing to disclose
Mumps and Rubella	Tina Slusher, MD	Faculty	Nothing to disclose
Measles	Shanis Harris	Faculty	Nothing to disclose
	Dr. Raj Mody	Faculty	Nothing to disclose
	Dr. Kristina Krohn	Faculty	Nothing to disclose
Smallpox	Dr. Brett Peterson	Faculty	Nothing to disclose
Mpox	Shama Cash-Goldwasser, MD MPH	Faculty	Nothing to disclose
Vaccinia Virus	Dr. Brett Peterson	Faculty	Nothing to disclose
Novel Orthopoxviruses	Dr. Brett Peterson	Faculty	Nothing to disclose
Parapoxviruses	Dr. Brett Peterson	Faculty	Nothing to disclose
Diagnosis of Poxviruses	Dr. Brett Peterson	Faculty	Nothing to disclose
Treatment of Poxviruses, Vaccines, and Discussion	Dr. Brett Peterson	Faculty	Nothing to disclose
Course 6, Module D: VIRAL ILLNESSES II			
Rabies	Dr. David Shim	Faculty	Nothing to disclose
Dengue Immunology	Dr. Katie Anderson	Faculty	Nothing to disclose
Chikungunya, Zika, and Dengue	Dr. Elizabeth Luengas	Faculty	Nothing to disclose
	Dr. Katie Anderson	Faculty	Nothing to disclose
Non-Ebola and Non-Dengue Viral Hemorrhagic Diseases	Dr. Rodgers R Ayebare	Faculty	Nothing to disclose
SARS-COV2	Daniel Griffin, MD, PhD	Faculty	Nothing to disclose
Yellow Fever	Allison Walker, MD	Faculty	Nothing to disclose
Ebola Virus	Dr. Julie Harris	Faculty	Nothing to disclose
COVID response in Singapore	Dr. Natasha Bagdasarian	Faculty	Nothing to disclose
Personal New York Experience with COVID-19	Daniel Griffin, MD, PhD	Faculty	Nothing to disclose
Arboviruses - Introduction	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Arbovirus Diagnostics	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose

Arboviruses - Oropouche	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Arboviruses – Mayaro	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Arboviruses - Ross River	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Arboviruses - Equine Encephalitis	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Arboviruses - West Nile Virus	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Arboviruses - Control and Conclusion	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Arboviruses – Mosquitoes	Dr. Elizabeth Schiffman	Faculty	Nothing to disclose
Course 6, Module E: CLINICAL CASE VIGNETTES			
Burmese refugee with fever, fatigue, chest pain, and agitation	Dr. Wasin Matsee	Faculty	Nothing to disclose
Clinical Case	Dr. Sarah Lofgren	Faculty	Nothing to disclose
Clinical Case	Dr. Mahsa Abassi	Faculty	Nothing to disclose
Case: 60 yo male with HIV and CD4<5	Matt Goers, MD	Faculty	Nothing to disclose
Case Report	Emily Halverson, MD	Faculty	Nothing to disclose
Returned Traveler with Rash and Joint Pain	Patricia F. Walker, MD,DTM&H, FASTMH	Faculty	Nothing to disclose
	Ryan Fabrizius, MD	Faculty	Nothing to disclose
Viral Dermatology Cases	Alexia Knapp	Faculty	Nothing to disclose

Planning Committee		
Kristina Krohn, MD, CTrop Med	Course Director	Nothing to disclose
Megan Shaughnessy, MD, CTropMed	Co-Course Director	Nothing to disclose
Brett Hendel-Paterson, MD, CTropMed®	Planning Committee Member	Nothing to disclose
William Stauffer, MD, MPH, CTropMed®	Planning Committee Member	Nothing to disclose
Beth Scudder, MA, Course Developer	Planning Committee Member	Nothing to disclose
Sarah Sponsler, Global Medicine Pathway Coordinator	Planning Committee Member	Nothing to disclose