



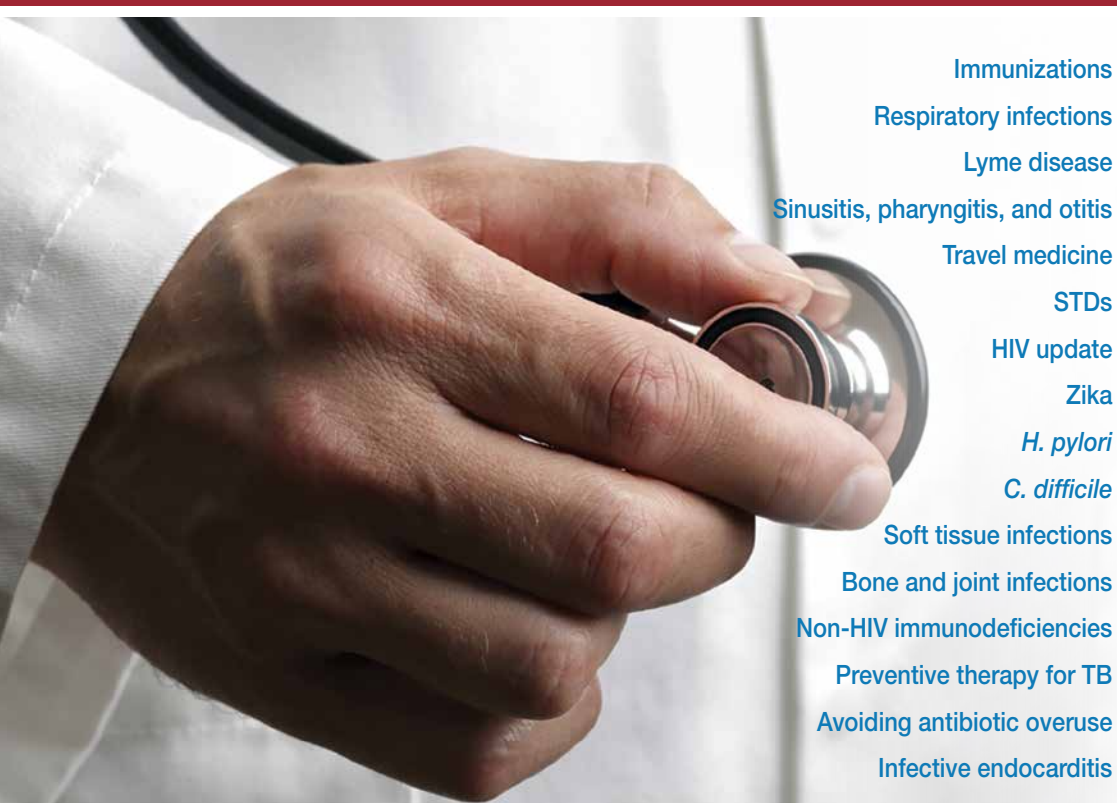
**HARVARD**  
MEDICAL SCHOOL

# Infectious Diseases in Primary Care

# 2018

NOVEMBER 7-9  
BOSTON, MA

Updates and Best Practices for Improved Prevention, Diagnosis, and Treatment



- Immunizations
- Respiratory infections
- Lyme disease
- Sinusitis, pharyngitis, and otitis
- Travel medicine
- STDs
- HIV update
- Zika
- H. pylori*
- C. difficile*
- Soft tissue infections
- Bone and joint infections
- Non-HIV immunodeficiencies
- Preventive therapy for TB
- Avoiding antibiotic overuse
- Infective endocarditis

Optional Half-Day Workshop: Treating Viral Hepatitis and HIV in Primary Care Practice



Register at [IDprimarycare.HMSCME.com](http://IDprimarycare.HMSCME.com)

This program is among the  
highest-rated Harvard Medical  
School CME courses

Paul E. Sax, MD  
Jennifer A. Johnson, MD  
James H. Maguire, MD, MPH  
Sigal Yawetz, MD



# HARVARD MEDICAL SCHOOL

Dear Colleague,

Infectious Disease is constantly changing—changing in ways that directly impact primary care practice. Whether it is the latest immunization guidelines, novel diagnostic tests, new antibiotics or antivirals, or a newly recognized or emerging epidemic, you can be sure there will be numerous ID-related issues of clinical significance to learn and to master for optimal patient outcomes.

Consider the following questions:

- What immunizations are indicated for my patients traveling to developing countries?
- How can I interpret the results of different tests for latent tuberculosis?
- How should I manage recurrent *C. difficile*?
- What are the recommendations for the new zoster vaccine?
- What can we expect with the upcoming flu season?
- How do various hepatitis C treatment options impact my patients?
- What strategies are recommended for treating and preventing MRSA infection?
- What are the new tests our lab is using to diagnose HIV and other sexually transmitted infections?
- How should I answer patient questions about emerging diseases, such as Zika and MERS?
- How do I manage patients with antibiotic allergies?

This is just a short list of frequently asked questions and controversies covered in our course, *Infectious Diseases in Primary Care*. We have specifically designed this course with the needs of the busy primary care provider in mind. Our faculty provides the most up-to-date information on a wide variety of ID issues, covering prevention, diagnosis, and treatment. Case-based interactive presentations are emphasized, and we select lecturers for their exceptional teaching skills and their real-world experiences in active clinical practice.

Attend this course to ensure you are up to date with important changes and best practices in ID prevention, diagnosis, and treatment for primary care providers, and get your most common ID questions answered. We look forward to seeing you in November!

Sincerely,

**Paul E. Sax, MD**  
Professor of Medicine, Harvard Medical School  
Clinical Director, Division of Infectious Diseases  
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# Harvard Medical School Faculty

## COURSE DIRECTORS

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### Paige Wickner, MD, MPH

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## Important ID Updates and Answers to Frequently Asked Questions



### Education for PHYSICIANS, NPs, and PAs in the fields of:

- Internal Medicine
- Family Medicine
- Infectious Diseases
- Pediatrics
- Geriatrics
- Adolescent Medicine
- Emergency Medicine
- Urgent Care
- OB/GYN

...and others who seek a thorough update in  
Infectious Diseases as it relates to primary care

# Infectious Diseases in Primary Care 2018

## Course Description

This course provides primary care practitioners with strategies, updates, and specific practice recommendations to improve diagnosis, treatment, and prevention of common infectious diseases. Primary care clinicians are frequently faced with challenges in infectious diseases such as escalating resistance to antibiotics, emerging pathogens, new diagnostic studies, and evolving drugs with novel mechanisms of action and potentially unrecognized adverse effects. This course enhances attendee knowledge and competency through a comprehensive overview of infections seen in ambulatory practice, new areas of controversy, and recent advances and important developments in the field. The format includes lectures, case presentations, faculty discussions, and problem-solving education. The program covers an expansive array of content, including management of infections of the respiratory, gastrointestinal, and urinary tracts; sexually transmitted diseases; viral illnesses; and other commonly encountered infectious diseases. Modern approaches to diagnosis and the rational use of new and old antimicrobial agents will be discussed. Special attention will be given to the prevention of infections by immunization or antimicrobial prophylaxis. During the course, the emphasis will be on topics with practical applications to patient management, with frequent integration of case histories into didactic material.

## Comprehensive Updates

- Immunizations
- Respiratory infections
- Lyme disease
- Travel medicine
- Infective endocarditis
- Sinusitis, pharyngitis, and otitis
- Non-HIV immunodeficiencies
- Bone and joint infections
- Sexually transmitted infections
- Soft tissue infections
- HIV treatment
- Preventive therapy for TB
- Avoiding antibiotic overuse
- Zika
- *H. pylori*
- *C. difficile*

## Learning Objectives

Upon completion of this course, participants will be able to:

- Describe effective ways in which to improve the diagnosis and treatment of infectious diseases.
- Summarize information regarding evidence-based treatment protocols for infectious diseases and that help determine optimal patient care plans.
- Assess investigative data on common infectious diseases that could influence patient care.

## Accreditation

### ACCREDITATION COUNCIL FOR CONTINUING MEDICAL EDUCATION

The Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Harvard Medical School designates this live activity for a maximum of 22.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- Infectious Diseases in Primary Care: 19.00 *AMA PRA Category 1 Credits™*
- Optional HIV and Hepatitis C Treatment Workshop: 3.50 *AMA PRA Category 1 Credits™*

### AMERICAN ACADEMY OF FAMILY PHYSICIANS

This Live activity, Infectious Diseases in Primary Care, with a beginning date of 11/07/2018, has been reviewed and is acceptable for up to 22.50 Prescribed credit(s) by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### NURSE PRACTITIONERS and REGISTERED NURSES

For the purpose of recertification, the American Academy of Nurse Practitioners Certification Board and American Nurses Credentialing Center accept *AMA PRA Category 1 Credit™* issued by organizations accredited by the ACCME (Accreditation Council for Continuing Medical Education). We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with *AMA PRA Category 1 Credit™* for re-licensure.

# Agenda

## Wednesday, November 7

7:00 **Registration and Continental Breakfast**

Moderator: Dr. Paul E. Sax

8:00 **Antibiotic Update for Office Practice**  
Paul E. Sax, MD

8:45 **Sore Throats and Colds**  
Miriam Baron Barshak, MD

9:30 *Break (Refreshments provided)*

9:45 **Update in Sexually Transmitted Diseases**  
Howard M. Heller, MD, MPH

10:30 **Corticosteroids, Biologics, and More: Infections in the Non-HIV Immunocompromised Host**  
Sarah P. Hammond, MD

11:15 **Common Curbside Consults in Infectious Diseases**  
Paul E. Sax, MD

12:00 *Break for lunch\**

Moderator: Dr. Jennifer A. Johnson

1:15 **Infections in Cancer and Transplant Patients: Role of the PCP**  
Sarah P. Hammond, MD

2:00 **C. difficile: What's New for the PCP**  
Elizabeth Hohmann, MD

2:45 **How to Evaluate and Manage Antibiotic Allergies**  
Paige Wickner, MD, MPH

3:30 *Break (Refreshments provided)*

3:45 **Update on Influenza and Rapid Diagnostics for Respiratory Infections**  
Daniel R. Kuritzkes, MD

4:30 **Skin Infections and Infection-Mimickers**  
Jason E. Frangos, MD

5:15 **Daily Program Ends**

## Thursday, November 8

7:00 **Continental Breakfast**

Moderator: Dr. James H. Maguire

8:00 **Tuberculosis for the Non-ID Specialist**  
Eric Rubin, MD, PhD

8:45 **Infections in Travelers and Immigrants: A Comprehensive Overview** James H. Maguire, MD, MPH

9:30 **Bone and Joint Infections**  
James H. Maguire, MD, MPH

10:15 *Break (Refreshments provided)*

10:30 **Pneumonia: Updates in Diagnosis and Management** Joel T. Katz, MD

11:15 **Adult Immunization Update**  
Daniel Solomon, MD

12:00 *Break for lunch\**

Moderator: Dr. Sigal Yawetz

1:15 **ID Case Challenge: Interesting Patients from the Community**  
Todd Ellerin, MD

2:00 **Urinary Tract Infections: The Common and the Complicated**  
Sigal Yawetz, MD

2:45 **Lyme Disease Update**  
Howard M. Heller, MD, MPH

3:30 *Break (Refreshments provided)*

3:45 **KEYNOTE - Chronic Infectious Disease and the Future of Global Health Equity**  
Paul E. Farmer, MD, PhD



4:30 **H. pylori: Diagnosis, Management and Controversies**  
Molly Perencevich, MD

5:15 **Daily Program Ends**

\*There are many convenient and varied lunch options within a short walking distance of the course.

### PHYSICIAN ASSISTANTS

The National Commission on Certification of Physician Assistants (NCCPA) states that *AMA PRA Category 1 Credits™* are acceptable for continuing medical education requirements for recertification. We would also suggest that learners check with their state licensing board to ensure they accept reciprocity with *AMA PRA Category 1 Credit™* for re-licensure.

### CANADIAN ACCREDITATION

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

### EUROPEAN ACCREDITATION

Through an agreement between the American Medical Association and the European Union of Medical Specialists, physicians may convert *AMA PRA Category 1 Credits™* to an equivalent number of European CME Credits® (ECMECs®). Information on the process of converting *AMA PRA Category 1 Credits™* to ECMECs® can be found at: [www.eacme.eu](http://www.eacme.eu).

# Agenda

## Friday, November 9

7:00	<b>Continental Breakfast</b> Moderator: Dr. Jennifer A. Johnson
8:00	<b>Principles of Managing Infectious Diseases in Family Planning and Pregnancy</b> Sigal Yawetz, MD
8:45	<b>What's This Antibiotic My Patient Was Discharged On? Antibiotic Update from the Hospital Perspective</b> Jennifer A. Johnson, MD
9:30	<b>The Top Things the PCP Needs to Know about Infection Control</b> Michael Klompas, MD, MPH
10:15	<i>Break (Refreshments provided)</i> Moderator: Dr. Paul E. Sax
10:30	<b>HIV and Hepatitis for the Non-ID Specialist: The Basics</b> Paul E. Sax, MD
11:15	<b>Unknowns in Infectious Diseases</b> Jennifer A. Johnson, MD
12:00	<b>Wrap-Up of Main Program</b> Paul E. Sax, MD
12:15	<b>Main Course Concludes</b>

### Optional Add-On Treatment Workshop **Treating Viral Hepatitis and HIV in Primary Care Practice** *State-of-the-Art Approaches to Optimize Patient Care and Outcomes*

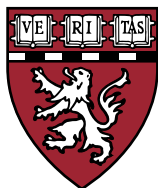
1:15	<b>Welcome and Introduction to Workshop</b> Paul E. Sax, MD
1:30	<b>HIV Vaccine and Cure: Where Are We Now?</b> Daniel R. Kuritzkes, MD
2:15	<b>Optimizing HIV Therapy: What to Start, When and How to Switch</b> Paul E. Sax, MD
2:45	<b>HIV Pre- and Post-Exposure Prophylaxis: Why the PCP Is Critical</b> Sigal Yawetz, MD
3:15	<i>Break (Refreshments provided)</i>
3:30	<b>Treatment of Viral Hepatitis in the Primary Care Setting</b> Jennifer A. Johnson, MD
4:15	<b>HIV and Hepatitis Case Challenges: When to Treat, When to Refer</b> Faculty Panel, Moderated by Paul E. Sax, MD
5:00	<b>Wrap-Up of Treatment Workshop</b> Paul E. Sax, MD
5:15	<b>Treatment Workshop Concludes</b>

## 2018 Program Highlights

- Updated guidelines for adult immunization
- New diagnostics for respiratory tract infections
- Travel medicine and infectious diseases in immigrants
- Strategies for avoiding antibiotic overuse
- How to counsel reluctant patients about vaccine benefits
- Can't-miss diagnoses: infectious disease emergencies
- Managing antibiotic resistance in the community
- Updates for the non-HIV immunocompromised patient
- Evaluation and treatment of latent tuberculosis
- New guidelines for management of urinary, gastrointestinal, respiratory, and soft tissue infections
- Expanded treatment options for hepatitis C
- Optional treatment workshop: Treating Viral Hepatitis and HIV in Primary Care Practice

*Program changes/substitutions may be made without notice. To view the most up-to-date version of the program, please visit the course website.*

**Questions? Call 617-384-8600**  
**Monday-Friday 9am – 5pm (ET) or send email to [CEPrograms@hms.harvard.edu](mailto:CEPrograms@hms.harvard.edu)**



# HARVARD MEDICAL SCHOOL

## Infectious Diseases in Primary Care

# 2018

NOVEMBER 7-9  
BOSTON, MA

Education for **PHYSICIANS**  
NPs  
PAs

Comprehensive updates  
for state-of-the-art  
**PREVENTION**  
**DIAGNOSIS**  
**TREATMENT**



*Full agenda inside*

- Updated guidelines for adult immunization
- New diagnostics for respiratory tract infections
- Travel medicine and infectious diseases in immigrants
- Strategies for avoiding antibiotic overuse
- How to counsel reluctant patients about vaccine benefits
- Can't-miss diagnoses: infectious disease emergencies
- Managing antibiotic resistance in the community
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- Evaluation and treatment of latent tuberculosis
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- New guidelines for management of urinary, gastrointestinal, respiratory, and soft tissue infections

**BRIGHAM HEALTH**



BRIGHAM AND  
WOMEN'S HOSPITAL

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Earn up to 22.50 AMA PRA Category 1 Credits™ • 22.50 AAFP Prescribed credits

**Special Keynote Speaker**

Paul E. Farmer, MD, PhD





# HARVARD MEDICAL SCHOOL

## Infectious Diseases in Primary Care

November 7–9 • Boston, MA

Course #732220-1901

	Tuition
<b>Physicians</b>	\$895
<b>Allied Health Professionals, Residents and Fellows</b>	\$795
<b>OPTIONAL HALF-DAY TREATMENT WORKSHOP</b>	
<b>Treating Viral Hepatitis and HIV in Primary Care Practice</b> <i>Friday, November 9 • 1:15 pm – 5:15 pm</i>	\$165

*Tuition includes all breakfasts, and morning and afternoon refreshments. Complimentary internet access will be provided in the meeting room throughout the course.*

*All attendees of Infectious Diseases in Primary Care will receive a flash drive containing course materials. If you would like a printed copy of these materials, you can purchase them in advance for \$50 with your online course registration. A very limited supply will be available on site at the course for \$65. Note: Participants of the optional workshop, Treating Viral Hepatitis and HIV in Primary Care Practice, will receive printed materials for the half-day workshop.*

## Registration, Payment, Confirmation and Refund Policy

Registrations for Harvard Medical School CME programs are made via our secure online registration system. To register for this course, please visit the course website at [IDprimarycare.HMSCME.com](http://IDprimarycare.HMSCME.com).

At the end of the registration process, a \$5 non-refundable processing fee will be added to your registration, and you will have the choice of paying by check or credit card (Visa, MasterCard, or American Express). If you are paying by check (draft on a United States bank), the online registration system will provide you with instructions and a printable form for remitting your course fees by check. Postal, telephone, fax, and cash-payment registrations are not accepted. All fees shown in USD.

Upon receipt of your paid registration, an email confirmation from the HMS GCE office will be sent to you. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate. Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the course. Refund requests must be received by email. No refund will be issued should cancellation occur less than two weeks prior. "No shows" are subject to the full course fee and no refunds will be issued once the conference has started.



### Venue

Fairmont Copley Plaza  
138 St. James Avenue  
Boston, Massachusetts  
+1 617-267-5300

This program is among the highest-rated Harvard Medical School CME courses

## Accommodations

A limited number of rooms\* have been reserved at Fairmont Copley Plaza until October 15, 2018. Reservations can be made by phone at (617) 267-5300 or 1-800-441-1414. Please specify that you are enrolled in this activity to request a reduced room rate. Discounted reservations can also be made online by visiting the Venue page of our website at [IDprimarycare.HMSCME.com](http://IDprimarycare.HMSCME.com) or by going to <https://book.passkey.com/event/49581322/owner/272/home> before October 15, 2018.

**Please do not make non-refundable travel arrangements until you've received an email from our office confirming your paid registration.**

*\*Please note that the discounted rooms may sell out before the deadline.*

**Register at [IDprimarycare.HMSCME.com](http://IDprimarycare.HMSCME.com)**