

Overview:

HIV medicine encompasses the full spectrum of experiences that a physician may confront in clinical practice: from the subtleties of obtaining a proper sexual history to the difficulties of diagnosing and treating an opportunistic infection or a neoplasm in immunosuppressed patients. This curriculum provides a range of clinical, didactic, community, and interprofessional experiences in the field of HIV medicine over the course of a 4-year period.

Objectives:

Open completion of the HIV EMET, graduates will be able to:

1. Obtain a thorough and culturally sensitive medical and social history, including a sexual history
2. Provide risk reduction counseling regarding HIV and sexually transmitted infection (STI) transmission
3. Demonstrate aptitude in the clinical diagnosis, treatment and prevention of HIV
4. Care for marginalized patient populations in a dignified manner
5. Identify the social determinants of health that may impact the care of patients with HIV
6. Communicate effectively with a multidisciplinary health care team
7. Complete a scholarly capstone project

Educational Activities:

M1 year	M2 year
<ul style="list-style-type: none"> • Meet with HIV Team and tour the HIV Clinic • <u>Clinical</u>: HIV Clinic 2X; STI/RESPECT Clinic 1X • <u>Didactics</u>: How to Obtain a Sexual History, Epidemiology and Natural History of HIV, Diagnosis and Management of HIV • <u>Scholarly</u>: Begin work on capstone project; complete CITI training • <u>Interprofessional</u>: Tour of the Clinical Laboratory • HIV Team and EMET Student Annual Evaluation 	<ul style="list-style-type: none"> • <u>Clinical</u>: HIV Clinic 2X; STI/RESPECT Clinic 1X • <u>Didactics/Interprofessional</u>: Psychosocial aspects of HIV with HIV Case Manager and Patient; Oral Manifestations of HIV (lecture/tour with UNMC Dentistry); Pharmacotherapeutics (lecture/tour) • <u>Community</u>: Tour and introduction to Nebraska AIDS Project; Hospice House visit • <u>Scholarly</u>: Work on capstone project • HIV Team and EMET Student Annual Evaluation
M3 year	M4 year
<ul style="list-style-type: none"> • <u>Clinical</u>: 3-week outpatient rotation in HIV clinic during the "selective" block of the Internal Medicine rotation • <u>Scholarly</u>: Work on Capstone project • HIV Team and EMET Student Annual Evaluation 	<ul style="list-style-type: none"> • <u>Clinical</u>: 4-week elective outpatient rotation in HIV clinic • <u>Scholarly</u>: Complete and present Capstone project at annual EMET fair • HIV Team and EMET Student Annual Evaluation

Note: There are no summer requirements, but students may choose to work on their capstone project during the summer between their M1 and M2 years

HIV EMET Faculty: Dr. Sara Hurtado Bares, Director; Dr. Nada Fadul, Co-Director; Dr. Susan Swindells and Dr. Jasmine Riviere Marcelin

HIV EMET Coordinator: Deanna Hansen

Two students are accepted each year.

After completion of the track, participation will be recognized in the Dean's letter and by means of scholarly presentations and/or publications on an HIV-related topic. Support may be available for travel to present at a meeting.

To learn more about the HIV Medicine track contact:

Dr. Sara Bares, Director
Dr. Nada Fadul, Co-Director
988106 Nebraska Medical Center
Phone: 402-559-5392

email: sara.bares@unmc.edu
email: nada.fadul@unmc.edu

The HIV Program provides comprehensive care of the patient with HIV at all stages of the disease. The HIV care team is composed of physicians, nurse practitioners, nurses, case managers, a pharmacist, and a laboratory technologist who specialize in HIV care. We also provide our patients with referrals to other specialists including psychiatric services. Our clinic population includes approximately 1,200 patients, 40% of whom are from minority communities.

Learn more about the HIV care team at <http://www.unmc.edu/hiv>



List of current EMET students:

Jonathan Freese, M4 – jonathan.freese@unmc.edu
Morgan Zabel, M4 – morgan.zabel@unmc.edu
Olivia Paetz, M3 – olivia.paetz@unmc.edu
Jill Ziegenbein, M3 – jill@ziegenbein@unmc.edu
Jessica Hack, M2 – jehack@unmc.edu
Nate Singh, M2 – nsingh@unmc.edu

Recent HIV Medical Track students' accomplishments:

Hanna KF, Sayles HR, O'Neill JL, White ML, Wilson TW, Swindells S, Incidental Findings on Brain MRI in People Living with HIV. Poster presentation, ID Week, Washington, DC, October 2-6, 2019.

Khazanchi R, Sayles HR, Bares SH, Swindells S, Marcelin JR. Contemporary Evaluation of Racial/Ethnic Disparities in Survival and Disease Progression among People with HIV in the U.S. Midwest. Poster presentation, IDWeek 2019, Washington, DC, October 2-6, 2019.

Hanna KF, Sayles HR, O'Neill J, White ML, Wilson TW, Swindells S. Incidental Findings on Brain MRI in People with HIV Infection. *Sci Rep.* 2020 Jun 11;10(1):9474.

Khazanchi R, Bares S and Simonsen K. Keeping our kids and communities safe as schools reopen. *Omaha World-Herald.* July 19, 2020.

Khazanchi R, Sayles H, Bares SH, Swindells S, Marcelin JR. Neighborhood Deprivation and Racial/Ethnic Disparities in HIV Viral Suppression: A Single-Center Cross-Sectional Study in the U.S. Midwest [published online ahead of print, 2020 Aug 26]. *Clin Infect Dis.* 2020;ciaa1254. doi:10.1093/cid/ciaa1254. PMID: 32845985

Groteluschen H, Sayles H, Osborn R, Havens JP, Bares SH, Marcelin JR. Customized Blister Packaging for Patients Living With HIV: Assessment of Patient Attitudes and Satisfaction. *Graduate Medical Education Research Journal.* Dec 2020, Vol. 2, Issue 2.

Hanna K, Havens J, Bares SH. Successful application of pharmacogenomic testing in the evaluation and management of a patient with HIV and disseminated histoplasmosis. *J Am Pharm Assoc.* 2021 May-Jun;61(3):e152-e155. doi: 10.1016/j.japh.2021.01.021. Epub 2021 Feb 11. PMID: 33583749

Hongsermeier-Graves N, **Khazanchi R**, Marcelin JR, Fadul N. Structural vulnerability among patients with HIV and SARS-CoV-2 Co-infection: descriptive case series from the U.S. Midwest. *AIDS Care.* 2021 Sep 28:1-6. doi: 10.1080/09540121.2021.1981224. Epub ahead of print. PMID: 34579598.

Paetz O, Sayles H, Fey P, Bares SH. Missed Opportunities for Confirmatory HIV Testing at Medical Center in the Midwestern United States. Poster presentation at IDWeek 2022, Washington DC, October 19-23, 2022.