

Entrustable Professional Activities (EPAs)

List of EPAs for Infectious Disease

EPA Title	EPA Entrustment Level to be Attained by Exit
<u>EPA 1: Managing Patients with Community and Healthcare-Associated Infections</u>	Level 4
<u>EPA 2: Managing People Living with HIV (PLHIV)</u>	Level 4
<u>EPA 3: Managing Infections in Non-HIV Immunocompromised Hosts (ICH)</u>	Level 4
<u>EPA 4: Managing Patients with Emerging Infections and Outbreaks of Public Health Importance</u>	Level 4

Entrustment Scale

Entrustment Level	Description
Level 1	Be present and observe, but no permission to enact EPA
Level 2	Practice EPA with direct (pro-active) supervision
Level 3	Practice EPA with indirect (re-active) supervision
Level 4	Unsupervised practice allowed (distant oversight)
Level 5	May provide supervision to junior learners

Infectious Diseases EPA 1

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Title	Managing Patients with Community and Healthcare-Associated Infections
Specifications and limitations	Infectious diseases specialists manage and provide consultations for the care of patients with community onset and healthcare-associated infections across a spectrum of healthcare settings including outpatient, inpatient general ward and high dependency/intensive care settings. Specifications for EPA 1: 1. Integrates data obtained from history, physical examination and available investigation findings to formulate a prioritised list of differential diagnoses and relevant clinical issues. 2. Recommends laboratory, imaging and microbiologic investigations to diagnose, treat and monitor for disease and treatment complications 3. Recommends evidence-based treatment including but not limited to anti-infectives based on susceptibility, risk-benefit and cost-effectiveness considerations. 4. Reviews the patient's progress and amends working diagnoses and subsequent management plans accordingly. 5. Communicates the management plan to the referring team (if any), patient and family through written and/or verbal communication. 6. Recommends preventive measures such as vaccinations where applicable.
	Limitations: Does not include paediatric patients.
EPA Entrustment Level to be Attained by Exit	Level 4

Infectious Diseases EPA 2

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Title	Managing People Living with HIV (PLHIV)
Specifications and limitations	A key role for ID specialists is to provide holistic care for people living with HIV in both the outpatient and inpatient settings. Specifications for EPA 2: 1. Screening and diagnosis of HIV infection 2. Diagnosis, prevention & management of HIV-related Opportunistic Infections (OIs) and other complications (both HIV and non-HIV defining conditions) 3. Prescribing antiretroviral therapy 4. Primary care for people living with HIV 5. Prevention of HIV infection 6. Notification of public health authorities as required under the Infectious Diseases Act These will include: • Performing history and examination inclusive of HIV-related symptoms/findings • Utilising laboratory testing, radiological imaging, resistance testing and interventions necessary for diagnosis/management and interpret results in the appropriate context • Selecting appropriate antiretroviral therapy for treatment-naïve and treatment-experienced patients based on unique patient characteristics, according to up-to-date local treatment recommendations; and to monitor for drug interactions and treatment complications • Recognising and managing treatment failure • Advising on necessary prophylaxis and vaccination advice in people living with HIV • Selecting appropriate antimicrobial therapy and therapeutic plans for HIV associated opportunistic infections and malignancies • Communicating with clinicians and other health care professionals to provide multidisciplinary HIV care • Counselling PLHIV and partners regarding prevention of HIV transmission Limitations: The management of HIV infection in neonates, infants and young children is not routinely practiced by adult ID physicians and will require input from paediatric ID specialists.
EPA Entrustment Level to be Attained by Exit	Level 4

Infectious Diseases EPA 3

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Title	Managing Infections in Non-HIV Immunocompromised Hosts (ICH)
Specifications and limitations	Infectious diseases specialists participate in the care of: 1. Adults who have undergone transplantation. This entails a need to understand the variety of acute and chronic conditions requiring transplantation; to be familiar with the indications for transplantation and participate in the pre-transplant work-up and preparation, as well as post-transplant care. 2. Adults who have primary or secondary immunodeficiencies. This includes malignancy and iatrogenic immunosuppression and a need to understand the variety of acute and chronic infectious conditions resulting from immunodeficiency. Specifications for EPA 3: 1. Conduct all inpatient and outpatient consultations on ID related problems in non-HIV immunocompromised hosts including patients with: • Primary immunodeficiency • Secondary immunodeficiency including haematological malignancies, oncological malignancies, post-splenectomy, rheumatological or inflammatory bowel disease patients on iatrogenic immunosuppression 2. Conduct a pre-transplant evaluation including relevant vaccinations 3. Counsel on measures to prevent infections 4. Diagnose and treat infectious complications during the transplant and post-transplant period 5. Report findings and formulate a diagnostic plan using appropriate investigations 6. Interpret results and delineate a management plan 7. Communicate management plans to the referring specialist 8. Educate patients on infectious complications of transplantation, therapeutic interventions and clinical course 9. Participate in a multidisciplinary team in the care of pre- and post-transplant patients
	Limitations: Does not include paediatric patients
EPA Entrustment Level to be Attained by Exit	Level 4

Infectious Diseases EPA 4

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Title	Managing Patients with Emerging Infections and Outbreaks of Public Health Importance
Specifications and limitations	Infectious Diseases specialists play a critical role in diagnosing and treating individual patients with emerging infections, including novel pathogens. They also have a core role in detecting outbreaks and alerting public health authorities. They provide advice about outbreak containment and preventive measures, including vaccines, medications, infection control, and non-pharmaceutical interventions. Specifications for EPA 4: 1. Take a history and perform physical examination for patients presenting with potential novel pathogens, emerging infections or outbreaks of public health importance 2. Recommend laboratory and microbiologic investigations to diagnose potential novel pathogens, emerging infections or detect outbreaks 3. Recommend antimicrobial and other adjunctive treatment based on susceptibility, risk benefit and cost effectiveness considerations 4. Review patient's progress and amend working diagnosis and subsequent management plans accordingly 5. Communicate management plan through written and/or verbal communication 6. Implement infection prevention and infection control measures appropriate to the potential novel pathogen, emerging infection or outbreak 7. Notify public health authorities of potential novel pathogens, emerging infections or outbreaks of public health importance 8. Participate in developing, implementing and monitoring treatment protocols 9. Communicate advice about prevention and management of emerging infection to a wide range of stakeholders (patients, families, staff, public health authorities, policy makers, media) 10. Participate in outbreak investigation with infection prevention and hospital epidemiology teams
	Limitations: The management of emerging infections and outbreaks in neonates, infants and young children is not routinely practiced by adult ID physicians and will require input from paediatric ID specialists.
EPA Entrustment Level to be Attained by Exit	Level 4