



# Entrustable Professional Activities

## EPA 5 for Pediatric Infectious Diseases

### EPA 5: Prevention and Containment of Infection

#### Supervision Scale for This EPA

1. Trusted to observe only
2. Trusted to contribute to advocacy and educational activities for the subspecialty profession with direct supervision and coaching at the institutional level
3. Trusted to contribute to advocacy and educational activities for the subspecialty profession with indirect supervision at the institutional level
4. Trusted to mentor others and lead advocacy and educational activities for the subspecialty profession at the institutional level
5. Trusted to lead advocacy and educational activities for the subspecialty profession at the regional and/or national level

#### Description of the Activity

A key role for subspecialists is to provide guidance and to develop policy regarding prevention and containment of infection for individual patients, in health care settings, and for the public's health. This requires fundamental knowledge of the various modes of transmission of infectious agents in different community and health care settings, host susceptibility, and the developmental aspects of immunologic protection from infectious agents across pediatric age groups.

The specific functions which define this EPA include:

1. Creating infection risk mitigation plans for patients spanning from prenatal to adulthood before and after exposure or potential exposure to a communicable disease process
2. Demonstrating understanding of the various modes of transmission of infectious agents in a variety of community and health care settings, and creates a plan to alleviate/mitigate infection risk (e.g., norovirus outbreak in a day care setting) and sequelae
3. Applying knowledge of the epidemiology of infectious agents to plan prevention strategies for individuals and for populations
4. Providing guidance regarding general management and vaccination strategies to prevent common infections in healthy infants, children, and adults
5. Providing guidance regarding prevention of common and opportunistic infections in pediatric patients whose immune function is compromised by an underlying condition (e.g., antimicrobial prophylaxis to prevent pneumocystis or vaccination to prevent meningococcal infection)
6. Using appropriate laboratory testing to investigate or confirm disease transmission
7. Participating in the development of policies to prevent or control acquisition and transmission of infection
8. Applying evidence-based methods to investigate whether transmission of infection has occurred



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9. Effectively utilizing the medical information systems for existing research related to the prevention of pediatric infectious diseases
10. Communicates prevention strategies to patients, families, health care providers, health care institutions, advocacy organizations, and the public health community
11. Notifies and collaborates with public health authorities about reportable diseases, outbreaks, and communicable disease exposures
12. Utilizes appropriate infection prevention and control measures for hospital and outpatient encounters including schools, chronic care facilities, and temporary group sites (e.g., group homes, summer camps)

### Judicious Mapping to Domains of Competence

- ✓ Patient Care  
Medical Knowledge
- ✓ Practice-Based Learning and Improvement
- ✓ Interpersonal and Communication Skills  
Professionalism
- ✓ Systems-Based Practice  
Personal and Professional Development

### Competencies Within Each Domain Critical to Entrustment Decisions\*

PC 11 (PBLI 7):	Using information technology
PBLI 9:	Educating others
ICS 1:	Communicating with patients/families
SBP 1:	Working in care delivery settings and systems
SBP 5:	Working in interprofessional teams
SBP 6:	Identifying system errors
SBP 7:	Advocating for the promotion of health

*\*Based on original Pediatrics Subspecialty Milestones ©2015 ACGME/ABP. All rights reserved.*

### Context for the EPA

**Rationale:** Pediatric infectious diseases (ID) specialists are consistently relied upon for their expertise in the prevention and containment of infection in individuals and populations. This is a critical EPA for public safety and health maintenance.

**Scope of Practice:** This document is intended to address the scope of knowledge and essential skills that must be mastered by the pediatric ID physician in order to prevent and/or contain infection in both healthy and immunocompromised patients, in outpatient and inpatient health care settings, and in the population at large. The activities detailed in this EPA range from specific treatment strategies for individual patients to policy



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recommendations that could affect entire communities. Recognition and investigation of outbreaks is also a core activity. While the pediatric ID physician generally provides clinical care to children (prenatal through adolescence), prevention activities may encompass adults who have contact with children. Communication, another core skill, occurs with a broad constituency: patients, families, other health care providers, public health authorities, policymakers, and the media.