Pediatric Infectious Disease Elective Goals and Objectives
(PL-3)

The elective rotation for residents in Pediatric Infectious Disease provides a broad learning experience for residents at all levels of training through provision of care for children requiring infectious disease consultation at Comer Children’s Hospital at the University of Chicago. Further experience will be gained in infectious disease clinic, such as the HIV and travel clinics, and those admitted to the infectious disease service, which includes children with HIV. They work as an integral part of the team, under the direct supervision of infectious disease fellows, nurse practitioners, and attending physicians.

The rotation emphasizes appropriate use of antimicrobial therapy; the importance of the host-pathogen relationship in determining the outcome of an infectious disease; appropriate use of diagnostic techniques; and understanding the importance of social, emotional, ethical and medico-legal issues in patient care. During the rotation residents will, under attending supervision, evaluate, examine, discuss, treat and follow hospitalized patients with infectious diseases, including, but not limited to, those with nosocomial infections, postoperative infections, trauma related infections, sepsis, and infections in immunocompromised hosts, (e.g., patients with primary immunodeficiency syndromes, solid organ or stem cell transplant, conditions requiring immunosuppressive therapy, and HIV infection).

COMPETENCY 1. Patient Care – Residents are expected to provide patient care that is compassionate, appropriate and effective for the promotion of health, prevention of illness, and treatment of disease. Residents must:

- Demonstrate the acquisition of accurate and appropriate information for each patient they encounter
- Demonstrate the ability to perform physical examinations of children across age ranges
- Develop comprehensive differential diagnoses, including infectious and non-infectious etiologies of the patient’s illness
- Accurately analyze and apply available information to make appropriate diagnostic decisions and therapeutic interventions
- Provide capable management plan and follow-up for children with infectious diseases

COMPETENCY 2. Medical Knowledge – Residents must demonstrate proficiency in obtaining knowledge through didactic lecture, discussion on rounds, specific readings, online and through reference literature. They will apply an open-minded, analytical approach to acquiring new knowledge, access and critically evaluate current medical information and scientific evidence, and apply this knowledge to clinical problem-solving, clinical decision-making, and critical thinking. Residents must:

- Describe the pathogenesis, clinical presentation, and diagnostic approaches to infections encountered in children in the inpatient setting
- Describe appropriate use of diagnostic procedures and laboratory tests in the evaluation and monitoring of children with infections
- Demonstrate competence in the appropriate selection, use, and monitoring of antimicrobial agents
- Demonstrate knowledge and skill in the critical assessment of complex clinical infectious disease problems
• Demonstrate knowledge of appropriate, evidence-based management of children hospitalized with infectious diseases
• Demonstrate knowledge of approaches to diagnosis and management of infections in children who are immunocompromised for a variety of reasons
• Demonstrate understanding of the rationale for infection control policies
• Demonstrate understanding of the variance in epidemiology of infectious diseases among different age groups, state of immune function, and geographic locales, which may vary locally, nationally, and internationally

COMPETENCY 3. Practice-based Learning and Improvement – Residents are expected to investigate and evaluate patient care practices, as well as appraise and assimilate clinical information to make appropriate patient management decisions and learn from error. Residents must:

• Review the pediatric infectious disease literature
• Apply up-to-date evidence-based information to resolution of clinical questions in infectious disease and to selection of specific therapies
• Evaluate their own performance, identify gaps in their knowledge base, and target their self-directed learning to enhance performance and fill knowledge gaps
• Provide, request, accept and incorporate feedback
• Work with other learners on the healthcare team to enhance knowledge

COMPETENCY 4. Interpersonal and Communication Skills – Residents are expected to consistently demonstrate interpersonal and communication skills that result in effective information exchange. They must be able to collaborate with patients, their families and professional associates. Residents must:

• Effectively communicate with staff, community-based physicians, and hospital-based physicians
• Communicate crucial and appropriate information through written medical records and patient presentations
• Demonstrate skill in presentation of assigned topics in pediatric infectious disease
• Demonstrate the ability to communicate with patients and families from a wide range of backgrounds
• Appropriately use interpreters when necessary
• Demonstrate the ability to counsel and educate patients and their families in a comprehensible and supportive manner

COMPETENCY 5. Professionalism – Residents are expected to demonstrate a commitment to carry out professional responsibilities, adhere to ethical principles and be sensitive to diversity. They must have a responsible attitude toward their patients, their profession, and society. Residents must:

• Act in the best interest of their patients
• Demonstrate a caring and respectful demeanor when interacting with patients and their families
• Maintain patient/family confidentiality
• Demonstrate sensitivity to ethical principles, culture, age, gender, religious belief, sexual orientation, and disability
• Be punctual, reliable, and conscientious
• Demonstrate skill in conflict management resolution when necessary

Revised 04/2010
Pediatric Residency Program
Comer Children's Hospital at the University of Chicago
COMPETENCY 6. Systems-based Practice – Residents are expected to consistently practice quality health care that is cost-effective and advocate for patients within the health care system. They are expected to consistently demonstrate an understanding of interconnectedness and dependence of multidisciplinary services. Residents must:

- Advocate for patients and families as they navigate complex health systems
- Describe the role of the subspecialist in consultation, including timeliness, documentation, and follow-up for consultation in infectious diseases
- Participate in multidisciplinary patient care activities involving other members of the healthcare team, including case managers, sub-specialty consultants, and home care services
- Participate actively and regularly in case conferences
- Demonstrate knowledge of billing and coding and their supportive documentation
- Demonstrate knowledge of insurance restrictions in identification of a medical home