

Competency-based Curriculum Addendum to Goals and Objectives for PL1 Junior Residents Pediatric Inpatient Rotation at Kings County Hospital Center or University Hospital of Brooklyn

Goal: Residents will become proficient in aspects of systems-based practice and practice-based learning and improvement through experiential learning as an integral component of their inpatient rotation.

Needs Assessment:

The ACGME, the American Board of Pediatrics as well as other accrediting bodies and licensing agencies have established core competencies for physicians in-training to achieve. Among these competencies are systems-based practice and practice-based learning and improvements. To achieve competency in systems-based practice residents must demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value. To achieve competency in practice-based learning and improvement residents must be able to investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices

Objectives:

1. Residents will know the philosophy behind continuous quality improvement/total quality management.
2. Residents will understand the importance of team work and collaboration among all levels and disciplines of the healthcare staff.
3. Residents will be able to participate in identifying better ways of doing things and areas in need of improvement.
4. Residents will learn how to communicate and cooperate with different levels and disciplines of the healthcare staff and with different departments in order to optimize healthcare services and patient care activities.
5. Residents will use evidence-based medicine skills in addressing performance improvement activities.
6. Residents will utilize the PDCA (plan, do, check, act) methodology as a simple and measurable process for achieving performance improvements.
7. Residents will know standards of care relative to identified problems and participate in development of standards and monitoring and evaluation activities.
8. Residents will demonstrate the ability to use data to make informed decisions and recommendations.
9. Residents will show concern and take responsibility for making improvements which affect patients, healthcare providers, healthcare facilities and themselves.

Methods:

During the course of inpatient rotations at KCHC and UHB, each resident will engage in a performance improvement project for at least 5 half-day sessions. In general, these sessions will occur on the same day the resident has continuity clinic, but final assignments will be made by designated chief residents. Residents will work collaboratively with and be assisted by the

multidisciplinary members of the healthcare team including but not limited to administration, nursing and medical staff. Under the guidance and supervision of pediatric hospitalists as assigned by the Site Director, the resident is expected to:

1. Identify a problem or area in need of improvement.
2. Research the problem and determine appropriate standards.
3. Appraise existing literature and determine strength of existing evidence.
4. Communicate findings with other members of the healthcare team and with supervising attendings.
5. Implement suggestions for improvement.
6. Utilize available information technology and information management tools.
7. Measure and evaluate results of implemented improvements using appropriate data analysis tools.
8. Recommend additional changes or corrections as needed.
9. Present results of the quality improvement activity to their inpatient team and supervising attending(s).

Additional resources:

Reference articles available separately in program curriculum

Evaluation:

Performance improvement activities including project methodology, intervention, results and presentation will be evaluated by supervising attending(s), peers and other healthcare providers. Ongoing formative evaluation will be provided by the supervising attending(s). Summative evaluation will be part of the monthly rotation evaluation. Performance improvement project reports will be retained as part of the resident's competency portfolio and will be subject to evaluation by program leadership to determine competency. Residents will be encouraged to submitted significant improvement projects for publication where feasible.