

## **QUALITY IMPROVEMENT GOALS AND EXPECTATIONS FOR PEDIATRIC RESIDENTS**

### **GOALS & OBJECTIVES:**

- 1. Understand the basic principles of quality improvement (QI)**
- 2. Identify systems errors in places of practice during residency**
- 3. Residents will conceptualize and implement QI projects with the help of mentors for completion prior to graduation**
- 4. Practice use of QI methodology with ongoing QI projects**
- 5. Use QI methods to improve quality of patient care and patient safety**

### **Resident Expectations & Timeline**

#### **Throughout Residency All Residents Will:**

- Attend noon conference didactics covering the principles of quality improvement.
  - Identifying System Errors, Root Cause Analysis, PDSA
- Participate in and complete a QI project and present their findings at a local, regional, and/or national conferences.
- Attend all QI Quarterly meetings (occur every 3-4 months in July, October, January, and March).
  - Present updates on project progress starting January PL1 year
  - Hand in PDSA Cycle sheets to Dr. Jason Scimeme, prior to each quarterly meeting starting July PL2 year
  - Seniors may be excused from quarterly meetings once projects are completed and final Project Report is turned in to Dr. Jason Scimeme.
- Identify areas (processes or outcomes) where you believe an improvement can be made.
- Work in inter-professional teams on projects that align with ongoing institutional QI and patient safety projects.
- Starting with the 2021-2022 intern class, all residents must complete the requirements set forth by University of Florida's [Institutional Quality Improvement and Patient Safety \(QIPS\) Three Year Curriculum](#) with the expectation of attending RCA Workshop (Jan – March) and Escape Error Room (May) during the PL1 year.

#### **QIPS & IHI Module Requirements for Residents:**

- Follow the [UF JAX Institutional Quality Improvement and Patient Safety \(QIPS\) Curriculum](#)
  - Attend all 4 QIPS workshops hosted by UF:
    - Summer – QIPS Orientation
    - Fall – QIPS Didactic and Simulation
    - Winter – RCA Workshop (PL1)
    - Spring – Wrap-QIPS Simulation (Escape Error Room, PL1)
- Complete IHI PS 201: Root Cause Analysis **PRIOR TO** Winter RCA Workshop.
- Complete all assigned IHI Modules on Quality Improvement prior to the Wrap-QIPS Simulation (**May of PL1 year**).

- We suggest completing 1-2 IHI modules every month starting in July to build on knowledge/refresh while also completing all 16 modules prior to the final QIPS meeting.
- With the assigned Modules below, interns will earn their IHI Basic Certificate + 3
  - QI 101: Introduction to Health Care Improvement (1.25 hours)
  - QI 102: How to Improve with the Model for Improvement (1.5 hours)
  - QI 103: Testing and Measuring Changes with the PDSA Cycle (1.25 hours)
  - QI 104: Interpreting Data: Run Charts, Control Charts, Measurement Tools (1.5 hours)
  - QI 105: Leading Quality Improvement (1.25 hours)
  - PS 101: Introduction to Patient Safety (1.25 hours)
  - PS 102: From Error to Harm (1.25 hours)
  - PS 103: Human Factors and Safety (1.25 hours)
  - PS 104: Teamwork and Communication (1.25 hours)
  - PS 105: Responding to Adverse Events (1.25 hours)
  - TA 101: Introduction to the Triple Aim for Populations (2 hours)
  - PFC 101: Introduction to Patient Centered Care (1.5 hours)
  - L 101: Introduction to Health Care Leadership (1.25 hours)
- Once completing the above courses, your Basic Certificate will be available under Learning Center -> Completed courses in IHI.
- The following are the “+3” required:
  - QI 201: Planning for Spread: From Local Improvements to System-Wide Change (1.25 hours)
  - PS 201: Root Cause Analysis and Action (1.25 hours - Complete before RCA Workshop)
  - PS 203: Pursuing Professional Accountability and a Just Culture (1.25 hours)

### **QI Responsibilities for PL1 Residents:**

- Complete all assigned IHI Modules (details above)
- Attend, at minimum, the QIPS RCA Workshop and Escape Error Room Simulation
  - Attend QIPS Orientation and QIPS Didactic and Simulation as able
- Attend QI Quarterly Meeting to learn about ongoing resident projects, gather ideas for your own project, or find existing projects to join being led by other residents.
- Between the October and January meetings - all interns will decide on a project and meet with project mentors
- When deciding on a project, residents should focus on process change and desired outcomes which need to be measurable (see QI Guide on PedsJax site for further guidance / detail)
- By January of intern year, residents should identify a project of interest.
  - Personal project or joining another project
  - Prepare and submit an AIMS statement by January QI Meeting
  - If project determined prior to this, presenting at October meeting is possible

- During the January meeting, AIMS statements for the new projects will be discussed (some interns may choose to work with or carry forward on-going work passed on to them by graduating residents)
- Interns are expected to embark on their projects after January (intern year)
- Interns should work on forming teams and planning their projects with their groups so they can start PDSA cycles by the beginning of their PL2 year, at the latest

### **QI Responsibilities for PL2 Residents:**

- All assigned IHI Modules should already be completed for PL2 residents starting the 2022-2023 academic year
- Attend any remaining UF QIPS Workshops unable to be completed PL1 year
- All PL2 residents will present projects in July during the quarterly QI meeting and all quarterly meetings throughout the remainder of the year.
- All PL2 residents are expected to turn in their worksheets prior to each Quarterly QI meeting to Dr. Jason Scimeme
- During the QI meeting in October, all PL2 & PL3 residents will present updates to their projects. A list of projects will be shared with all interns at this time
- Residents should schedule regular meetings (every 1-2 months) with team/mentor to review progress and next steps
- All residents should complete at least 3 PDSA cycles prior to end of PL2 year
- Residents should strive to complete projects prior to April so they can present at UF Medical Education Day
- After completing final PDSA cycle, complete a Project Report (“QI Final Report” on pedsjax.com) summarizing the work and what was learned during the project and submit to Dr. Jason Scimeme
- Projects should be completed by the end of PGY2 year
  - Start to transition projects with room for continued improvement or monitoring to new PGY- 1 class or to attendings, as indicated
- If project is completed early, you may apply to appropriate national, regional or local meetings during your PL2 year
  - Your QI mentors will help you identify these meetings
  - Accepted projects will not require a separate Project Report to be completed
  - Don’t forget about UF Medical Education Day in April!
- You will get credit for scholarship for any work presented at a meeting or submitted for publication as a quality report. In addition, if your work is submitted to a national meeting, you may also be eligible to receive MOC (maintenance of certification) credit for future use.

### **QI Responsibilities for PL3 Residents:**

- All assigned IHI Modules should be completed for PL3 residents starting the 2023-2024 academic year
- All UF QIPS Workshops should be completed by the PL3 year
- All PL3 residents are expected to turn in their project worksheets prior to each Quarterly QI meeting with any final updates after project completion to Dr. Jason Scimeme
- During the QI meeting in October, all PL2 & PL3 residents will present updates to their projects and a list of projects will be shared with all interns at this time
- If not already done, transition all projects with possible continued improvements to current PL1 or PL2 residents or attendings
- All PL3 residents should submit their projects for presentation at appropriate national, regional or local meetings.
  - Your QI mentors will help you identify these meetings.
  - Accepted projects will not require a separate Project Report to be completed.
  - If not already done during PL2 year, PL3 residents should submit their projects to UF Medical Education Day (application due by early March for presentation in June)
- You will get credit for scholarship for any work presented at a meeting or submitted for publication as a quality report. In addition, if your work is submitted to a national meeting, you may also be eligible to receive MOC (maintenance of certification) credit for future use
- **Reminder:** Seniors may be excused from Quarterly QI Meeting once projects is complete and QI Final Report is turned in to Dr. Jason Scimeme

### **IMPORTANT NOTE:**

**Faculty & Residents - please send all updates regarding your projects to Dr. Jason Scimeme ([Jason.Scimeme@jax.ufl.edu](mailto:Jason.Scimeme@jax.ufl.edu)) as soon as any changes occur. We are required to keep an updated log of our ongoing projects for OEA.**

### **Useful Resources found on [pedsjax.com](http://pedsjax.com) under QI Section**

- QI Guide – walkthrough of a QI project, summary of IHI concepts, research vs. QI
- QI Resident Timeline (a visual summary of requirements)
- Published Project Example: QI Measures in Pulse-Oximetry Newborn Heart Screening: A Time Series Analysis