

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) 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 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