Since 2012, the Department of Family Medicine at the University of Michigan has sponsored annual systematic quality improvement projects with the following goals:

- Improve the health of patients
- Establish an infrastructure for process improvement
- Educate our learners about quality improvement
- Provide opportunities for faculty and residents to meet maintenance of certification (MOC-IV) requirements

Four projects have been conducted, focusing on improving rates of:

1. Tdap vaccination
2. Diabetic foot exams
3. LDL screening
4. Chlamydia screening

Projects have structure of 2 linked QI cycles:

- **Plan:** Obtain baseline data, Assess root causes, Consider relevant interventions
- **Do:** Intervention
- **Check:** Collect post-intervention measures
- **Act/Adjust - Re-Plan:** Further planning and intervention
- **Re-Do:** intervention
- **Re-Check:** Post-adjustment measures
- **Re-Act/Adjust:** Further planning

- Outpatient faculty preceptors discuss quality measures during continuity clinic
- Residents given personalized quarterly quality reports

**RESULTS**

- Tdap Vaccination Rates: Patients 11-64
- Diabetic Foot Exam Completion
- LDL Opportunities - % Due & Ordered
- LDL % Ordered & Completed
- Chlamydia Screening Completed at Visit
- Chlamydia Screening Overall Completed

**CONCLUSIONS**

- 35-45 faculty and 10-12 residents received MOC-IV credit with each project*
- Department-wide effort addresses ACGME requirement for residents to complete a quality improvement project
- Process improvement achieved in all projects
- 3 out of 4 projects resulted in improved quality metrics
- These QI projects are pieces of the educational mission to fulfill Practice Based Learning and Improvement Milestones, specifically to teach residents to improve systems in which the physician provides care (PBLI 3)
- Projects involve multiple levels of staff involvement, educating residents about the necessity of integrating clinical support staff in QI efforts

*Chlamydia Screening credit for MOC-IV planned for Internal Medicine and Pediatrics Faculty

**FUTURE DIRECTIONS**

- Controlled substance project:
  - Goal to improve performance and documentation of Controlled Substance Agreements, MAPS (Michigan Automated Prescription System) data review, and Urine Drug testing for patients on chronic controlled substances.