

**KCU-GME Consortium Resident Core
Curriculum Effective July 2022 for all new
residents**

All new residents are enrolled in KCU CANVAS courses to complete ASSIGNED Core Curriculum throughout residency. Canvas can be accessed by going to <https://canvas.kansascity.edu> and entering your KCU network username and password.

First year residents are enrolled in the **Core Competency (CC)** CANVAS Course for the first three months of residency.

Beginning in month four of residency, first year residents will receive training on research and patient safety/quality improvement in order to facilitate completion of ACGME-required scholarly activity project(s).

Some residents are exempt from this course if the DIO has approved another avenue to achieve the research requirements.

Curriculum Timeline Overview

First Year Resident:

M1- July	M2- Aug	M3- Sept	M4- Oct	M5- Nov	M6- Dec	M7- -Jan	M8- Feb	M9- Mar	M10- Apr	M11- May	M12- June
CC	CC	CC	Research vs QI; Study Idea	All Specialties: Project 1							

Second Year Resident:

M13- July	M14- Aug	M15- Sept	M16- Oct	M17- Nov	M18- Dec	M19- -Jan	M20- Feb	M21- Mar	M22- Apr	M23- May	M24- June
All Specialties: Project 1						Family Medicine: Refresh er on research vs QI and study idea	Family Medicine: 2 nd Supervised project				

Third Year Resident

M25- July	M26- Aug	M27- Sept	M28- Oct	M29- Nov	M30- Dec	M31 -Jan	M32- Feb	M33- Mar	M34- Apr	M34- May	M36- June
Family Medicine: 2 nd Supervised Project											

Prior to Graduation all residents must complete the following:

1. Blended Research/QI project (ACGME requires completion of two scholarly activities for residents in family medicine, at least one of which must contain components of quality improvement)
2. Prepare an oral or poster presentation, or a manuscript suitable for publication in a peer-reviewed journal.

CORE COMPETENCY COURSE

M1 Learning Activities

Residents will receive an email from the American Medical Association (AMA®) with instructions on how to access the GME Competency Education Program (GCEP), activate their account, and access the assigned online courses. Residents who already have an AMA account may use their existing AMA username and password. Log into www.AMAGMEOnline.org and complete the following courses:

- Building the Patient-Physician Relationship (13:30 minutes)
- Coding and Documentation for Resident Physicians (19 minutes)
- Creating an Effective and Respectful Learning Environment (19:30 minutes)
- Privacy and Confidentiality (18:30 minutes)
- Resident Intimidation (13:30 minutes)

M1 Assignment 1

Submit a copy of the AMA completion certificate for the following course:

- Building the Patient-Physician Relationship

M1 Assignment 2

Submit a copy of the AMA completion certificate for the following course:

- Coding and Documentation for Resident Physicians

M1 Assignment 3

Submit a copy of the AMA completion certificate for the following course:

- Creating an Effective and Respectful Learning Environment

M1 Assignment 4

Submit a copy of the AMA completion certificate for the following course:

- Privacy and Confidentiality

M1 Assignment 5

Submit a copy of the AMA completion certificate for the following course:

- Resident Intimidation

M2 Learning Activities

Log into www.AMAGMEOnline.org and complete the following courses:

- Conflicts of Interest (13 minutes)
- Cultural Competency (15 minutes)
- Managing Unconscious Bias (12:30 minutes)
- Patient Handoffs (14 minutes)
- Working Effectively within an Interprofessional Team (20 minutes)
- Basics of Health Equity for GME (25 minutes)
- Racism in Medicine: An Introduction (20 minutes)

M2 Assignment 1

Submit a copy of the AMA completion certificate for the following course:

- Conflicts of Interest

M2 Assignment 2

Submit a copy of the AMA completion certificate for the following course:

- Cultural Competency

M2 Assignment 3

Submit a copy of the AMA completion certificate for the following course:

- Managing Unconscious Bias

M2 Assignment 4

Submit a copy of the AMA completion certificate for the following course:

- Patient Handoffs

M2 Assignment 5

Submit a copy of the AMA completion certificate for the following course:

- Working Effectively within an Interprofessional Team

M2 Assignment 6

Submit a copy of the AMA completion certificate for the following course:

- Basics of Health Equity for GME

M2 Assignment 7

Submit a copy of the AMA completion certificate for the following course:

- Racism in Medicine: An Introduction

M3 Learning Activities

Log into www.AMAGMEOnline.org and complete the following courses:

- Physician Health: Physicians Caring for Ourselves (19 minutes)
- Residents as Teachers (12 minutes)

- Sleep Deprivation: Your Life and Your Work (14 minutes)
- Safer Prescribing and Managing of Opioids (23 minutes)
- Thriving Through Residency: The Resilient Resident (16 minutes)
- Using Tools to Form an Action Plan for Wellness (8 minutes)

M3 Assignment 1

Submit a copy of the AMA completion certificate for the following course:

- Physician Health: Physicians Caring for Ourselves

M3 Assignment 2

Submit a copy of the AMA completion certificate for the following course:

- Residents as Teachers

M3 Assignment 3

Submit a copy of the AMA completion certificate for the following course:

- Sleep Deprivation: Your Life and Your Work

M3 Assignment 4

Submit a copy of the AMA completion certificate for the following course:

- Safer Prescribing and Managing of Opioids

M3 Assignment 5

Submit a copy of the AMA completion certificate for the following course:

Thriving Through Residency: The Resilient Resident

M3 Assignment 6

Submit a copy of the AMA completion certificate for the following course:

- Using Tools to Form an Action Plan for Wellness

RESEARCH/PATIENT SAFETY AND QUALITY IMPROVEMENT CONTENT
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Training content will be presented via virtual meetings with residency programs held monthly during scheduled didactic time. Assignments will be given following trainings and will be submitted to Canvas before the next scheduled meeting.

Following meetings with residents, Course Instructors will outline action items that need to be completed before the next meeting. Residents will receive a reminder about pending assignments two weeks prior to the next meeting with the Course Instructors. If the assignment is not received by the next meeting, residents will be reminded to complete the assignment, and will be marked as not current on course progress until their assignments are received.

Instructors Contact Information:

Patient Safety and Quality Improvement Instructor:

Juan Jaramillo, jjaramillo@kansascity.edu

Research Course Instructor:

Jacob Hunter, JHunter@kansascity.edu

First Project

Month 4

During month 4, the patient safety and quality improvement and research content instructors will hold a virtual meeting with residency programs to explain the difference between quality improvement and research and to gauge scholarly activity interests of the residents. Residents are expected to select a scholarly activity that contains components of BOTH patient safety/quality improvement and research. The discussion with the content instructors will provide guidance on how to complete both ACGME required activities with the scholarly activity project that residents choose. By the end of month 4, residents will provide the course instructors with their scholarly activity topic and start their project in Month 5.

- Assignment: Select project idea, confirm team members working on project. Use **the project charter tool** to brainstorm the details of the study and submit to Canvas.
 - If you are planning to participate in a project already in place in your institution, please provide a project charter with the name of the project and participants.

Months 5-18

KCU GME is aware that there are challenges associated with integrating research, patient safety and quality improvement into residency education and training. The purpose of the monthly trainings provided by the patient safety/quality improvement and research instructors is to provide streamlined training that advances residents' knowledge of the basic principles of scientific inquiry and patient safety/quality improvement, including how these activities are designed, conducted, evaluated, explained to patients, and applied to patient care.

Otolaryngology-Head and Neck Surgery residents will participate in the courses during three months of a structured research experience designated by the program director.

Meeting One

Residents will start to identify a systematic activity of your hospital or healthcare institution that may be improved. Discuss details of study and which resources are currently available for them (charts, database information, etc) or which resources they would need to obtain to be able to collect needed data.

- Research Variables and Hypotheses
 - Supplemental (Optional): Data collection types (Available on Canvas)
- Quality Improvement Fundamentals
- Assignment: Fill out **Project Charter – Project Planning form**.

Meeting Two

In this month, residents will begin developing their scholarly activity, including important steps of critically evaluating and summarizing the existing body of research literature and exploring methodologies for QI projects.

- Finding and Critically Evaluating Research Literature
- Model for Improvement
- Assignment: Literature Review Assignment due by Meeting Four

Meeting Three

Residents will discuss important ethical considerations in human research and the process of applying for IRB approval for their scholarly activity project. During this month, residents will also receive instruction on the basics of data management, in preparation for a more in-depth discussion next month.

- Research ethics and IRB
- Basics of Data Management
- Assignment PDSA Tool
- Assignment: Complete CITI/GCP (Ethics) Training and submit rough draft of IRB application to Juan and Jacob

Meeting Four

In this meeting, the course instructors will review the residents' IRB application and provide edits before IRB submission. Residents will discuss communication techniques and how to commence a change of culture in their organizations.

- IRB edits
- Implementation
- Assignment: IRB submission and Literature Review Due

Note: Between meetings four and five there may potentially be a gap in meetings in order to facilitate IRB approval of the study before moving forward with the project and providing curriculum content. The content instructors will communicate with residents to determine the status of their IRB application during this interval and be available to meet with residents to address edits to their IRB applications, as needed.

Meeting Five

In this meeting we will discuss appropriate data management methods, and provide some practical considerations as residents plan to begin data collection and storage. Residents will also identify the evolution of patient safety globally and discuss the scope of patient safety incidents within the healthcare system in the United States.

- Data collection and Management
- Patient Safety Fundamentals
- Assignment: Submit data management plan

There may be a gap in meetings between meetings five and six to facilitate data collection efforts. Content Instructors will determine with residents if the need for a gap exists. If it does, the Content Instructors will be in communication with residents to evaluate progress on data collection and to provide help, as needed, until data collection is complete.

Meeting Six

In this meeting, residents will receive a basic introduction into running statistical tests relevant to their study and begin the process of writing a results section for their study. Residents will also discuss the definition of a "culture of safety" and learn about how applying "Just Culture" principles can support accountability.

- Interpreting/reporting results
- Culture of Safety
- Assignment: Draft results section
- Assignment: Root-Cause Analysis (RCA) Assignment

Meeting Seven

Residents will discuss the basics of writing an abstract for a scientific manuscript or poster. In this meeting, residents will also discuss measuring strategies and how to collect, analyze and interpret patient safety data.

- Writing Abstracts
- Patient Safety Measurement
- Assignment: Finalized abstract for study

Meeting Eight

This meeting will cover considerations in formatting and submitting preparation of research findings to appropriate venues. We will also discuss how to address problems by modifying system design to better aid healthcare providers. Explain how people perform under different circumstances and understand human behavior in safety critical situations.

- Basics of manuscript/poster layout
- SQUIRE Submission Guidelines
- Systems thinking & design / human factors
- Assignment: Finalized manuscript or presented poster (proof of presentation required if you present a poster)

Second Scholarly Activity

Months 19-36

Family Medicine:

ACGME requirements stipulate that residents in family medicine must complete two scholarly activities, at least one of which is a quality improvement project. In complying with this regulation, family medicine residents will begin a second scholarly activity upon completion of the time course allotted for the first scholarly activity.

In Month 19, family medicine residents will receive a refresher course on the difference between quality improvement projects and research projects and propose a scholarly activity idea to the patient safety/quality improvement and resident research Course Instructors. They will receive feedback from the Course Instructors whether the proposed project is research, quality improvement, or a combination of the two forms of scholarly activity. Depending on which project type the study is, course instructors will decide on a course plan for residents to begin in Month 20.

Other Specialties:

Residents who are not in family medicine do not need to complete a second scholarly activity in order to fulfill ACGME requirements. However, they are **encouraged** to engage in another scholarly activity, should they so choose. Course instructors for the patient safety/quality improvement course and resident research course are excellent resources to utilize as they continue to pursue scholarly activity.

Months 20-36

Course instructors for the patient safety/quality improvement and resident research courses will determine what content will be provided to residents for their second scholarly activity project and streamline trainings to meet the needs of the study. The same sequence of assignments will be followed for the second scholarly activity project. Course content will continue to be available through monthly meetings with the residents and course instructors.