

## PGY1 Course Description

### Learning Experience Title: Longitudinal Research Project

#### Preceptor:

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#### Description:

The research project is a required, longitudinal learning experience at Truman Medical Centers. The resident will be responsible for identifying an area of research of interest to them. A meeting with preceptors will be arranged by RPD in July for brainstorming of possible project ideas. Once a project is selected the resident with the assistance of the RPD will identify co-authors. Self-motivation, good time management skills and good communication is vital to success in this experience. The role of the pharmacist in this setting is to perform clinical outcomes and quality improvement research in order to improve patient care at Truman Medical Centers.

#### Learning Experience Responsibilities:

- Identification, evidentiary support, design, and implementation of a research project as chosen by the resident and approved by the RPD.
- Presentation of Project design poster at UHC/Vizient and ASHP Midyear clinical Meeting
- Power Point Presentation at Midwest Pharmacy Residency Conference in May
- Manuscript of publishable quality (is style and format) of research project with results
- December will serve as time to focus on research activities for this project

#### Learning Experience Activities:

Activity	Objectives Covered
Select research project topic after attending and participating in project idea meeting	R 2.2.1
Recognize basic and intermediate concepts in ethical clinical research through completion of CITI training	R 2.2.2
Analyze results of literature search into evidentiary support of project design	R 2.2.1
Design project protocol with support of co-authors	R 2.2.2
Create IRB application submission documents including TMC Privacy board submission	R 2.2.2

Implement project after receiving IRB and other approval as needed	R 2.2.3
Defend project design through poster presentations at ASHP Midyear and Vizient/UHC meeting	R 2.2.5
Describe project in detail from background to final results at Midwest Pharmacy Residency Conference in May	R 2.2.5
Analyze the impact, including sustainability, of the research project	R 2.2.4
Prepare manuscript style final report of project.	R 2.2.5

**Objectives selected to be evaluated during learning experience:**

R2.2.1: (Analyzing) Identify changes needed to improve patient care and/or the medication-use system.

R2.2.2: (Creating) Develop a plan to improve patient care and/or the medication-use system.

R2.2.3: (Applying) Implement changes to improve patient care and/or the medication-use system.

R2.2.4: (Evaluating) Assess changes made to improve patient care or the medication-use system.

R2.2.5: (Creating) Effectively develop and present, orally and in writing, a final project report.

**Requirements of Learning Experience:**

Expected hours: Longitudinal

Required presentations: Poster at ASHP and Vizient, PowerPoint at MPRC in May

Required readings: Variant depending on topic chosen

Preceptor interaction: Review of project progress will be checked on a regular basis through brief monthly RPD/resident meetings and as needed.

Communication: Review of project progress will be checked on a regular basis through brief monthly RPD/resident meetings and as needed. Other communication will be e-mail and other meetings/discussions as required with co-authors.

Expected progression of resident on this learning experience (Research Project Timeline)

**July-Date TBD**

- Project discussion

**July 31<sup>st</sup>**

- CITI training to be completed
- Finalize project idea and submit project approval form to RPD

**August/September**

- Background and research plan development

**September 14<sup>th</sup>**

- ASHP poster presentation information and IRB/TMC

paperwork due to RPD and co-authors for review

**October 1<sup>st</sup>**

- ASHP poster abstract submission due
- P&T presentation (if needed) at October P&T meeting
- Initial IRB submission to be completed

**November/December**

- Begin data collection/project implementation upon IRB approval or as determined by study protocol

**November 18<sup>th</sup>**

- Create poster for Midyear and submit to co-authors for approval

**November 28<sup>th</sup>**

- Final poster submitted to RPD for printing

**February 1<sup>st</sup>**

**May 27<sup>th</sup>**

- Draft manuscript submission to RPD

**June 10<sup>th</sup>**

- Final manuscript submission to RPD
- Inform IRB of project completion if appropriate
- Journal submission if appropriate

- MPRC abstract to RPD for approval

**February 22<sup>nd</sup>**

- MPRC abstract submission deadline

**April 15<sup>th\*</sup>**

- MPRC presentation to RPD and co-authors for review

**April 24<sup>th</sup> – May 2<sup>nd\*</sup>**

- MPRC practice sessions

**Method of Evaluation:**

Evaluation of the resident will be based on the ASHP activity learning experiences listed above. Each learning activity has a corresponding code following the experience which corresponds to the activity learning experience listed in PharmAcademic®. During the orientation to the learning experience, the preceptor and the resident will review all the material contained in this learning experience description and sign a copy to be retained in the residents file.

The preceptor will provide feedback verbally (formative) throughout the course of the learning experience and electronically (summative) via PharmAcademic® quarterly. Once the resident is finished with all of the requirements for the experience, the preceptor and the resident will discuss the learning experience as a whole both formally and informally. The resident will also be responsible for providing both formative and summative feedback at the conclusion of the experience. All evaluations must be submitted by the conclusion of the learning experience.

*I have read and acknowledged the responsibilities of the learning experience.*

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Pharmacy Resident

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Primary Preceptor