Title of Clerkship:	Introduction to Clinical Informatics
Elective Year(s):	Fourth year
Department:	Department of medical education
Type of Elective:	Clinical ____ Non-Clinical/Research X Basic Science ____
Clerkship Site:	Promedica Headquarters, webex
Course Number:	MDED 707
Blocks Available:	variable
Number of Students/ Block:	1 - 2
Faculty	Brian Miller, MD
Elective Description/ Requirements:	This two-week clinical informatics (CI) course will introduce students to the fundamentals of CI by focusing on clinical decision support. Students will learn how health care data can be utilized to guide clinical decision making. The course will begin with an introduction to the fundamentals of how clinical data are acquired, managed, stored, and analyzed. The student(s) will work with the Chief Medical Information Officer at ProMedica and the data analytics team and learn how principles of informatics can be used to inform clinical decision making and impact patient care in different settings (ambulatory, inpatient, and community). At the conclusion of the 2 week experience, the student will complete an independent informatics project.
Length of Clerkship:	2 weeks

Links to Core Competencies:	Educational Course Objectives:
PC-10, SBP-1	1. Define clinical informatics and explain how data acquisition, storage and analysis are integrated into healthcare.
PC-10, PBL-4	2. Explain the potential healthcare applications of clinical decision support and their pros/cons.
PC-10, SBP-2	3. Identify the tools used to highlight health disparities within specific patient populations and list 5 measurable metrics to stratify a patient pool.
PC-10, PBL-4	4. Describe the use of different analytic metrics to predict patient response and deterioration in acute care settings.
PBL-1, PBL-4	5. Describe how provider efficiency profiles can improve physician well-being and improve patient care.
PBL-4, PC-10	6. Identify which tools are most useful for determining proficiency and efficiency in the EHR
PBL-4, MK-15	7. Define social determinants of health (SDOH). Describe how the collection and analysis of SDOH data can efficiently direct resources and improve patient/community health

Professionalism:	UTCOMLS students will meet or exceed the institutional standards for professionalism as stated in the current educational program.
Instructional Methods:	Conference Independent learning (online modules) Demonstration (students will work with members of the data analytics team and learn how databases are organized and analyzed.)
Evaluation Methods:	Participation/attendance Project proposal assessment – students will be required to present a theoretical informatics project based on data analysis and a patient care outcome. Online module quiz
Prerequisites:	None
Clerkship Director:	Brian Miller, MD
Assistant Clerkship Director (if applicable):	none
Clerkship Coordinator:	Jane Wagner
Phone Number:	
Email:	jane.wagner@promedica.org
Special Requirements:	none

Course materials: An online introduction module will be provided to be completed by the end of the first week of the clerkship