

Sepsis Informatics Intern



The University of
Texas System

Department:	Office of Health Affairs
Institution:	The University of Texas System Administration
Location:	Remote or Hybrid at 7000 Fannin St, Suite #600, Houston, TX 77030 (UTHealth Houston)
No. of Openings:	1
Hours per Week:	40
Work Schedule:	Monday - Friday, standard business hours; occasional flexibility for UT-MOST meetings or data working sessions.
Compensation:	\$18/hr for undergraduate students \$22/hr for graduate students
Start Date & Orientation:	June 1, 2026
End Date:	August 11, 2026
Housing:	Interns are responsible for their own housing
Required for Application:	Resume, Cover Letter
FLSA Status:	Non-Exempt
Benefits Eligible:	No

About UT System

For more than 140 years, The University of Texas System has improved the lives of Texans — and people all over the world — through education, health care, and research. The System consists of nine academic institutions, four health institutions, and The University of Texas System Administration. The institutions of the UT System employ more than 160,000 faculty, health care professionals, researchers, support staff, and student workers.

The UT System Administration is primarily based in Austin, Texas. It supports the missions of the System's 13 institutions by providing financial, legal, planning, purchasing, government relations, communications, development, and other central services. Serving a growing state, the UT System Administration strives to provide a welcoming, supportive work environment that embraces different perspectives - not only because it enables the organization to be stronger, creative, and thoughtful, but because it is the right thing to do. To that end, the UT System Administration embraces state laws on [military](#) and [former foster children](#) employment preferences.

About the University of Texas Health Intelligence Platform (UT-HIP): The University of Texas Health Intelligence Platform (UT-HIP) is a system-wide initiative that integrates health data and technology across the UT System's eight health institutions. This collaborative effort draws on the expertise of UT leaders in healthcare, research, business, and IT to enhance patient care experiences, improve population health outcomes, and reduce healthcare costs across the system. History and Evolution UT-HIP was established in 2017 following a UT System Quality Retreat where leaders identified the need for a centralized data platform to drive quality improvement. Recognizing the power of data-driven decision-making, UT-HIP was designed to integrate analytics capabilities across the system, creating a collaborative infrastructure that allows institutions to share insights, benchmark performance, and identify opportunities for improvement. Over the years, UT-HIP has evolved to become a cornerstone of quality improvement efforts across UT System institutions. Initially focused on clinical outcomes and operational efficiency, the platform has expanded to include predictive analytics, artificial intelligence applications, and population health initiatives. Through continuous refinement, UT-HIP has strengthened collaboration among Chief Quality Officers, data scientists, clinicians, and administrators, driving significant improvements in healthcare delivery.

The UT-MOST (University of Texas – Managing and Optimizing Sepsis Treatment) program is a dedicated initiative under UT-HIP that focuses on reducing sepsis mortality across UT System institutions. As part of the broader Quality Collaborative, UT-MOST utilizes data-driven strategies to enhance early recognition, optimize treatment protocols, and standardize best practices across campuses.

UT-MOST is a system-wide collaborative focused on early detection, timely treatment, and improved outcomes for sepsis and septic shock across UT hospitals. Key aims include:

- AIM 1: Improving sepsis outcomes using unified Vizient-based quality dashboards
- AIM 2: Developing a multi-campus UT-MOST Sepsis Registry using Epic Caboodle and OMOP+/FHIR frameworks
- AIM 3: Reducing time-to-antibiotics for septic shock through workflow mapping, advanced analytics, and standardization

UT-MOST unifies clinicians, quality leaders, informaticists, and data engineers to develop scalable improvements and system-wide insights.

About the Internship

The University of Texas System Internship (UTSI) is a paid 10-week program that dovetails project-based work experience with a robust [professional development program](#), mentoring and opportunities for self-reflection.

[More Information](#)

Program Goals

- Contribute to UT student career development & success through real work experience
- Develop collaboration skills for our evolving workforce
- Offer hands-on experience in the student's field/function of study
- Provide a safe environment for professional development

Learning Objectives

Students will have the opportunity to develop their skills in (1) public speaking, (2) business writing, (3) interpersonal communication & emotional intelligence, (4) project management, (5) networking, and (6) data analytics and research as well as (7) enhance their understanding of the field of higher education.

Position Description

The Sepsis Informatics Intern will assist UT-HIP and UT-MOST leadership by supporting sepsis-related data, workflow, and analytics projects. Responsibilities include:

- Supporting the UT-MOST Sepsis Registry (AIM 2) by validating data elements, mapping variables, and documenting logic.
- Assisting with evaluation of Caboodle vs. Data Mart logic and supporting data transformation as UT-MOST transitions away from Epic data marts.
- Conducting workflow mapping for AIM 3 – Time-to-Antibiotics, including ED triage-to-treatment timelines, delays, and process variation.
- Assisting in development of synthetic datasets for testing timelines and dashboard prototypes.
- Supporting analytical work related to vasopressors, lactate timing, antibiotics, lab workflows, and ED milestone timestamps.
- Creating documentation, summaries, diagrams, and process maps to support UT-MOST meetings and deliverables.
- Participating in UT-MOST monthly meetings and preparing supporting materials.
- Assisting with data quality checks, variable definitions, and logic documentation for the sepsis analytics environment.
- Supporting UT-HIP's broader informatics activities as needed.

Qualifications

Currently enrolled undergraduate or graduate student at one of the 13 UT Institutions in one of the following:

- Health Informatics
- Data Science
- Public Health
- Nursing (BSN/MSN)

- Biomedical Engineering
- Health Information Technology
- Computer Science

Knowledge, Skills & Abilities

- Basic understanding of clinical concepts, especially sepsis definitions and workflows
- Ability to review and interpret healthcare data tables and timelines
- Strong analytical and critical-thinking skills
- Excellent written and verbal communication
- Ability to work independently and collaboratively
- Interest in learning healthcare informatics tools and methods (e.g., SQL logic interpretation, data mapping, timelines)
- Proficiency with Microsoft Excel, Word, PowerPoint; willingness to learn Tableau/Power BI
- Professionalism, adaptability, and strong organizational skills

Working Conditions

Work is performed in an office environment. Uses personal computer and other standard office equipment. Requires occasional travel, and evening or weekend hours. If remote, student must provide personal computer and WiFi.

Additional Requirements

- **Professional Development Program (PDP):** PDP sessions take place every Tuesday from 1-2:30PM CT. PDP sessions are *MANDATORY*. Students who will be taking classes or have other work/academic obligations at this time during the program dates should not apply.
- **Residency:** ALL interns & law clerks, including those working remotely, **must reside in the state of Texas** for the duration of the program.
- **Intern & Law Clerk Summit:** ALL interns and law clerks must be available to attend an in-person Orientation in Austin June 1-3 and an in-person Summit in Austin July 27-29. (Transportation and hotel accommodations are provided by UT System.)

This position is not eligible for employee benefits including, but not limited to, insurance, leave, holidays, and longevity pay. For information about eligibility, visit [Active Employees Eligibility](#).

A background check will be conducted on candidates under final consideration. The background check may include any or all of the following: criminal history check, prior employment verification, education verification, professional references check, and motor vehicle records check. Background checks are conducted by third-party vendors. Upon request from the third-party vendor, candidates under final consideration must provide the required information for the background checks to be completed.

The University of Texas System Administration is committed to providing equal employment opportunity for all qualified applicants and employees in all terms and conditions of employment. U. T. System will provide equal employment opportunity to all qualified persons and will not discriminate on the basis of any characteristic protected by federal or state laws.

For information on accommodations for individuals with disabilities, please contact the Office of Talent and Innovation at oti@utsystem.edu.

Please direct questions to UTSI@utsystem.edu.