



SCHOOL OF MEDICINE
VANDERBILT UNIVERSITY



VANDERBILT UNIVERSITY
Owen Graduate School of Management

Vanderbilt University School of Medicine

Vanderbilt University Medical Center
Nashville TN 37212

Postdoctoral Fellow Position

Area: **Healthcare Operations Management / Operations Research / Healthcare Informatics**

Duration: One to two years (extendable)

Start date: Fall 2023 / Spring 2025

The Anesthesiology Department at the Vanderbilt University School of Medicine at the Vanderbilt University Medical Center in partnership with the Owen Graduate School of Management, Vanderbilt University, is accepting applications for a **Postdoctoral Fellow in Healthcare Operations Management / Operations Research**.

Job Description:

Conduct research concerning delivery of healthcare in the various patient care centers of a hospital using quantitative modeling and analytical techniques, qualitative methods, and/or behavioral approaches.

The School of Medicine has a collaborative relationship with the Vanderbilt University Hospital (VUH), as well as with the Owen Graduate School of Management, Vanderbilt University. The postdoctoral candidate will work closely with faculty members at the School of Medicine, the Perioperative Services department at the VUH, and the business school faculty. In addition to helping inform practice through research, the Fellow will also be expected to publish in high-impact journals in operations management, operations research, as well as in medical journals.

The Operations Research group has graduated three post-doc fellows. All these individuals are now faculty members at top academic institutions. Further details about the Operations Research group can be viewed here: [Operations Research | Department of Anesthesiology \(vumc.org\)](#)

Qualifications:

The successful candidate will have a PhD in industrial engineering, operations management, operations research, economics, or a related field. The candidate should have strong research skills, enthusiasm for conducting research that is highly practical while based in theory, and the ability to work in a team. Candidates with previous research experience in healthcare operations management and/or health services, as well as experience developing simulation models will be given preference.

Application details:

Interested individuals should email their curriculum vitae, a research statement, and a sample of publications to Vikram Tiwari (vikram.tiwari@Vanderbilt.Edu), Associate Professor of Anesthesiology, Biomedical Informatics, Biostatistics, and Senior Director Surgical Analytics, Vanderbilt University Medical Center; and, Associate Professor of Management, Owen Graduate School of Management, Vanderbilt



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University. Please CC your email to Prof. Eric Johnson, Dean Owen Graduate School of Business ([M. Eric Johnson | Biography | Vanderbilt Business](mailto:Eric.Johnson@vanderbilt.edu)) at eric.johnson@vanderbilt.edu.

Short-listed candidates will also be asked to provide three letters of references.

About the Vanderbilt Department of Anesthesiology:

The Vanderbilt Department of Anesthesiology operates one of the largest clinical programs in the nation, providing coverage for more than 90,000 adult and pediatric anesthetic encounters annually. The Anesthesiology Department provides clinical services at three hospitals on one campus: Vanderbilt University Hospital, Monroe Carell Jr. Children's Hospital at Vanderbilt, and the Nashville Veteran's Administration Medical Center. These institutions provide a broad variety of clinical procedures, as well as extensive opportunity for translational and health services research. The department's residency training program includes comprehensive experiences in all anesthesiology subspecialties. Advanced fellowship training is also offered in adult cardiothoracic anesthesiology, critical care medicine, pediatric anesthesiology, pain medicine, regional anesthesiology, and obstetric anesthesiology. The Anesthesiology Department ranks 8th in the nation in NIH-funded research, and there is strong support for basic science and clinical research conducted by the faculty. Please visit - [Message from the Chair | Department of Anesthesiology \(vumc.org\)](#) and [Vanderbilt, A Tradition in Excellence | Vanderbilt Section of Surgical Sciences \(vumc.org\)](#) for more information.

About Vanderbilt University Medical Center:

Vanderbilt University Medical Center is a *U.S. News & World Report* top-ranked healthcare institution, with 11 out of 16 adult patient care specialties ranked among the nation's best. The same publication placed Monroe Carell Children's Hospital at Vanderbilt at the top, with 10 out of 10 pediatric specialties ranked as the nation's best. In 2013, Thomson Reuters ranked VUMC in its 100 Top National Hospitals list. VUMC offers the only Level 1 Trauma Center in the area and the only Level 4 Neonatal Intensive Care Unit in the region. VUMC also has the only dedicated Burn Center in the region, as well as the only NCI-designated comprehensive cancer center in the state serving both children and adults. The School of Medicine offers Masters in Clinical Investigation and Masters in Public Health that provide developmental experiences extending from the basic sciences to healthcare services research. Advanced educational opportunities are also available through the highly ranked Vanderbilt School of Law and Owen School of Management.

About Vanderbilt Owen Graduate School of Management:

Founded in 1969, Owen is ranked among the top schools in the world ([About - Vanderbilt Business School](#)). Owen offers graduate degrees across all business disciplines and attracts students from all over the world, including having alums in over 94 countries. Faculty in the operations management area ([Faculty Directory - Vanderbilt Business School](#)) has diverse research interests including in healthcare operations research, health economics and strategy.

About Nashville, Tennessee:

Vanderbilt University is in the heart of Nashville, a city marked by its unique blend of cosmopolitan flair and small-town appeal. The city is the core of a bustling metropolitan area with a diverse population of 1.7 million. Nashville is an important political, cultural, and commercial hub in the South, and is often referred to as Music City because of its rich musical history. In addition to music, the city's major industries include publishing, technology, higher education, finance, auto production, and health care.