Vikas Tomer, MPH

College of Public Health
University of North Texas Health Science Center
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Education:

- **Master of Public Health**   **May 2007**
  Concentration**: Biostatistics**
  School of Public Health
  University of North Texas Health Science Center, Fort Worth TX

- **Bachelor of Technology**   **May 1999**
  Major: **Computer Science**
  M. M. Engineering College
  Kurukshetra University, India

Professional Experience:

Assistant Dean, Data Reporting & Analytics   2023 - Current
The University of North Texas Health Science Center, Fort Worth, TX
College of Public Health

Director, Educational Technology   2021 - 2023
The University of North Texas Health Science Center, Fort Worth, TX
School of Public Health

Manager, Educational Technology   2016 – 2021
The University of North Texas Health Science Center, Fort Worth, TX
School of Public Health

Web Analyst   2008 – 2016
The University of North Texas Health Science Center, Fort Worth, TX
School of Public Health

Web Administrator   2002 – 2008
The University of North Texas Health Science Center, Fort Worth, TX
School of Public Health

Computer Programmer   2001 – 2002
Software Associate, Farmington Hills, MI

Network Analyst   Feb 2001-June 2001
GoldReed, Innovations Pvt. Ltd., New Delhi, India

Instructor   June 1999 – Jan 2001
C.I.T.M. Engineering College, Faridabad, India
Department: Computer Engineering

The Assistant Dean, Data Reporting & Analytics supports and collaborates with the College of Public Health leadership team using data analytics and statistical modeling to drive strategic decision making.

The Assistant Dean advances the College's use of data to inform decisions and guide planning and evaluation. This includes collection and analysis of data, development and maintenance of databases, creation of reports, dashboards, and visual presentations. The Assistant Dean analyzes data drawn from the College and external sources (e.g. ASPPH) and conducts and analyzes surveys of students, alumni, faculty and staff, and community partners. In addition, the Assistant Dean conducts analyses that are relevant for all accrediting bodies (SACSCOC, CEPH, and CAHME) as well as university and state reporting. Project priorities and direction are developed in consultation with the leadership of the CPH.

Teaching:

- Principles of Biostatistics
- Introduction to Statistical Software
- Operating Systems
- Computer Organization & Architecture
- Software Engineering
- Computer Networks

Research Projects:

Project: Whole Health Community Website and Data Dashboards
2024 - Present
Funding Agency: UNTHSC
Project Description: A framework to promote data-driven decisions using a holistic and comprehensive assessment of population and community health in the Dallas Fort Worth Metropolitan region
10% Effort

Project: SPH Student Internship Matching with Sites
2021 to Present
Client: UNTHSC SPH Dean's Office
Project Description:
Developed an algorithm to match all SPH students' survey data with site supervisor survey data annually. Before developing this algorithm, the SPH process manually matched students, which would take significantly longer.

Project: Improving HIV prevention and treatment outcomes among HIV-infected persons by integrating community
2017 To 2020
Funding Agency: CDC
Project Description: Pharmacists and clinical sites developed a model of patient-centered HIV care. The data team at the School of Public Health served as the data coordinating center for this multi-site evaluation project. Played a major role in the project as the data manager and coordinator. Created the entire electronic data capture system from scratch, maintained a secure data environment, and curated collected data. Trained more than 20 clinics/sites.
10% Effort

Project: COPD
Randomized Trial of Physical Activity Self-Management Intervention for Patients. (Subcontract-Data Coordinating Center)
2009 - 2012
Funding Agency: NIH
Project Description:
Developed an online database for COPD study; created data collection form; created an online database for the study; created a code book; and managed data quality and management, including data logic and range checks.
20% Effort

Project: How Gross Domestic Product (GDP), Gross National Income (GNI) and other factors affect life expectancy of a country
2005 - 2010
Client: UNTHSC
Project Descriptions:
Created a database for over 150 countries to study how GDP, GNI, and other factors play a role in increasing or decreasing the life expectancy of a country.

Project: DREAMS (Diabetes Research Education and Metabolic Studies)

Funding Agency: Texas Department of State Health Services (TDSHS)
Jan 2007 - Dec 2007
Project Descriptions:
Analyzed categorical and continuous data variables using various statistical methods. Did Pre- and post-data analysis for the project
20% Effort

Project: Developed and analyzed an online survey for a research project on Tuberculosis
Funding Agency: CDC
2005 - 2006
Project Descriptions:
Designed and implemented a survey, "Study of factors associated with acceptance of, adherence to and toxicity from treatment for latent tuberculosis infection (LTBI)" for the Centers for Disease Control and Prevention on UNTHSC server for Task Order 13 for Tuberculosis project. Twenty-two US States participated in the study.
10% Effort
(Provided onsite training at CDC Atlanta)

Project: Preparedness and response to bioterrorism
2001 to 2002
Funding Agency: Texas Department of State Health Services (DSHS)
Project Descriptions:
Developed a database of health providers who had previous experience with bioterrorism events and were willing to participate in coordinated efforts in the case of such an event.
10% Effort

Project: Develop testing and implementation of various software
Client: Software Associate, Inc
Project Descriptions:
Developed an in-house program to test efficiency and reduce the running time of the Wage Roll System for the company.

Awards & Honors:

- Outstanding Staff Member, UNTHSC School of Public Health, at Fort Worth, 2019
- Outstanding Staff Member, UNTHSC School of Public Health, at Fort Worth, 2012

Committees:

- IPE (Interprofessional Education), Facilitator 2018 to 2024
- HIEP (High Impact Education Practices) Council 2023 - present
- SPH Staff Council 2022 to present
- CPH Executive Council 2022 to present

Community Service:

- Habitant of Humanity, Fort Worth Texas 2020
- Tarrant Area Food Bank, Fort Worth Texas 2021
- Brewer High School, Fort Worth Texas 2023
- North Elementary School, Fort Worth Texas 2022
- Community Food Bank, Fort Worth Texas 2022