TATRC Adds Data Science Expertise with New Hire!

Omar Badawi, PharmD, MPH, FCCM is the latest new hire to join TATRC, serving as the Data Scientist for the newly established Data Science section! As our Data Scientist, he will be working cross functionally to support the rest of TATRC and develop a data strategy that will improve our ability to achieve our mission of fusing Data, Humans, and Machines into trustworthy solutions that optimize medical performance and casualty outcomes.

Dr. Badawi recently led the design to launch a national system for active surveillance of medical devices for post-market safety signals at the National Evaluation System for Health Technology Coordinating Center. He has expertise in clinical product innovation by leveraging research from real world data and spent over a decade leading research for developing product-related predictive algorithms, benchmarking process and risk-adjusted outcomes, and decision support tools for tele-critical care systems. He also helped launch and manage the Philips eICU Research Institute which leveraged granular clinical data from over 6 million ICU patients to support collaborative research between industry, academia and clinicians.

Dr. Badawi is also a Section Editor

Dr. Omar Badawi, Data Scientist, Data Sciences Area

in Implementation Science for PLOS Digital Health, an Adjunct Assistant Professor with the University of Maryland School of Pharmacy and Research Affiliate at the Massachusetts Institute of Technology. He earned a BS in Biological Sciences from the University of California, Irvine and a Doctor of Pharmacy degree from the University of the Pacific. After pharmacy school, he completed a PGY1 Pharmacy Practice Residency at UC Irvine Medical Center followed by a PGY2 Critical Care Residency at the Mayo Clinic in Rochester, MN. He then moved to Maryland to become a Clinical Assistant Professor at the University of Maryland School of Pharmacy where his practice site was the Cardiac ICU at the University of Maryland Medical Center. He then joined a health-tech startup (VISICU, later acquired by Philips) developing telemedicine systems for the

critically ill. During that time, he earned a Master in Public Health degree with a focus in Epidemiology and Biostatistics from The Johns Hopkins Bloomberg School of Public Health and also became a Fellow of the American College of Critical Care Medicine.

He grew up in Southern California and currently lives in Baltimore County with his wife and two kids. He is a big soccer fan and played much of his life, including briefly in college. He loves to attend the FIFA World Cup whenever possible and has attended games and watched the United States play at 4 different World Cups and is very excited for the United States to once again host the World Cup in 2026, though he's disappointed Baltimore and DC did not get selected as host cities! Fun fact – although he started working around age 12 to help his parents with the deli / sandwich shop they owned, his first paying job was at Disneyland during high school and college covering summer vacations and peak season periods. He worked across the various restaurants on Main Street USA and on lucky days, he was serving frozen yogurt and baked goods at the Blue Ribbon Bakery but more often than not, he could be found bussing tables at the Carnation Restaurant!

Welcome to the team, Omar! We're delighted to have your expertise. ▰▰▰