

## Raj Ratwani, PhD

Scientific Director, National Center for Human Factors in Healthcare  
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Raj Ratwani, PhD, is the Scientific Director for MedStar Health's National Center for Human Factors in Healthcare, where he focuses on improving the safety, quality and efficiency of care through the application of human factors and cognitive science principles. He is an expert in the areas of memory, perception, and reasoning.

Dr. Ratwani's research has been funded by the Agency for Healthcare Research and Quality (AHRQ), National Institutes of Health (NIH), the Office of the National Coordinator (ONC), and several foundations.

Current projects include developing visualization and analytic tools to improve the understanding of patient safety events, improving the usability of health information technology, and using sensors to understand and enhance human performance in clinical environments.

Dr. Ratwani earned a MA and PhD in psychology, focusing on human factors and applied cognition, from George Mason University and was awarded the Fleishman dissertation award. He was a National Research Council post-doctoral fellow at the Naval Research Laboratory where he focused on task interruptions and real-time algorithms to predict and prevent skill-based errors. He has published over twenty-five peer reviewed publications in nationally recognized journals and has given numerous presentations to human factors and healthcare audiences.

In addition to his scientific career, Dr. Ratwani is a pioneer in social innovation and philanthropy and was named a PBS *Agent for Change* in 2013.

