Bio

BIO

Amber Trickey, PhD, MS, CPH is Senior Biostatistician of the S-SPIRE Center. She supports multidisciplinary teams in research design, implementation, and analysis. In 15 years of health services research, with 8 years focused in surgery, Dr. Trickey has collaborated with diverse investigators, including attending physicians, residents, nurses, psychologists, and engineers. Dr. Trickey obtained degrees in epidemiology and biostatistics, evaluated data quality in trauma care, and led data validation studies using a surgical registry (NSQIP) and administrative claims. Dr. Trickey has contributed to public and private grants on surgical safety, simulation-based training, team communication, error disclosure, and quality metrics.

Professional

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Chapter Leader, University of Texas School of Public Health, Institute for Healthcare Improvement Open School (2009 - 2011)
- Member, Research & Development Committee, American College of Surgeons Accredited Education Institutes (2016 - 2018)
- Member, AcademyHealth (2017 - present)

Publications

PUBLICATIONS

- How Accurate Are the Surgical Risk Preoperative Assessment System (SURPAS) Universal Calculators in Total Joint Arthroplasty? Clinical orthopaedics and related research
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- The Comprehensive AO CMF Classification System for Mandibular Fractures: A Multicenter Validation Study. Craniomaxillofacial trauma & reconstruction

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• Resident-Sensitive Processes of Care: Impact of Surgical Residents on Inpatient Testing
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• Resident Sensitive Processes of Care: the Impact of Surgical Residents on Inpatient Testing.
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Clinical orthopaedics and related research
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• Development and validation of a predictive model for American Society of Anesthesiologists Physical Status.
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