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

- **Positive and Negative Independent Predictive Factors of Weight Loss After Bariatric Surgery in a Veteran Population.** *Obesity surgery*
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  2020

- **Assessment of Risk Analysis Index for Prediction of Mortality, Major Complications and Length of Stay in Vascular Surgery Patients.** *Annals of vascular surgery*
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- **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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- Surgery, Stomas, and Anxiety and Depression in Inflammatory Bowel Disease: A Retrospective Cohort Analysis of Privately Insured Patients. *Colorectal disease: the official journal of the Association of Coloproctology of Great Britain and Ireland*

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- Simplifying Hospital Quality Comparisons for Vascular Surgery Using Center-Level Frailty Burden Rather than Comorbidities

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- Association of Frailty and Postoperative Complications With Unplanned Readmissions After Elective Outpatient Surgery. *JAMA network open*

- Resident-Sensitive Processes of Care: Impact of Surgical Residents on Inpatient Testing

- Can Machine Learning Methods Produce Accurate and Easy-to-use Prediction Models of 30-day Complications and Mortality After Knee or Hip Arthroplasty? *CLINICAL ORTHOPAEDICS AND RELATED RESEARCH*
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- Nonoperative Management of Uncomplicated Appendicitis Among Privately Insured Patients *JAMA SURGERY*

- Resident-Sensitive Processes of Care: the Impact of Surgical Residents on Inpatient Testing. *Journal of the American College of Surgeons*
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• Development and validation of a predictive model for American Society of Anesthesiologists Physical Status. *BMC health services research*
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• THE IMPACT OF MEDICAID EXPANSION ON TRAUMA-RELATED EMERGENCY DEPARTMENT UTILIZATION: A NATIONAL EVALUATION OF POLICY IMPLICATIONS. *The journal of trauma and acute care surgery*
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• Resident Sensitive Processes of Care: The Impact of Individual Surgical Residents on Laboratory Testing
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