



GEORGIA
QUALITY
IMPROVEMENT
PROGRAM

GQIP Research Scholar

2022-2024

Eli Mlaver MD

General Surgery Resident

GQIP Day of Trauma, St. Simons Island, 12 August 2022

Where I come from



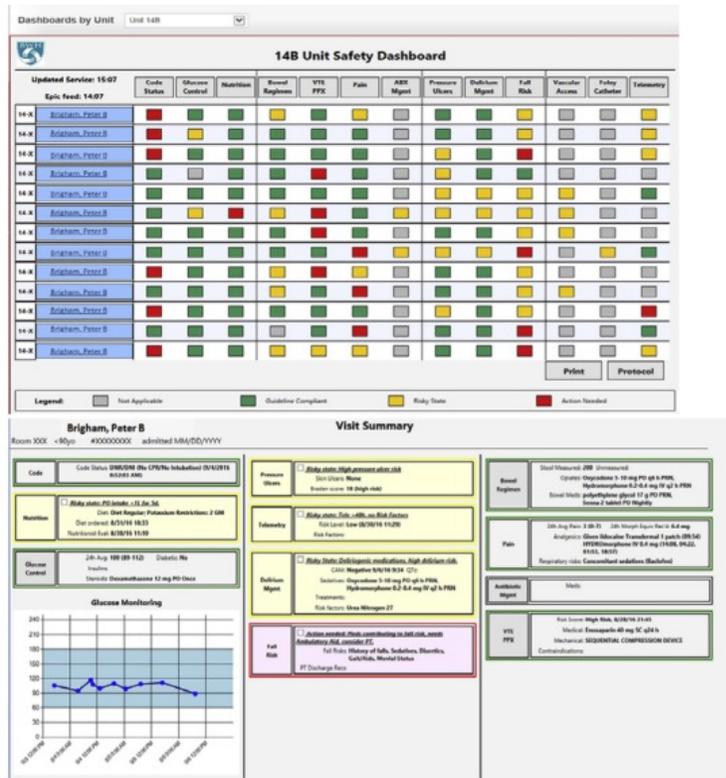
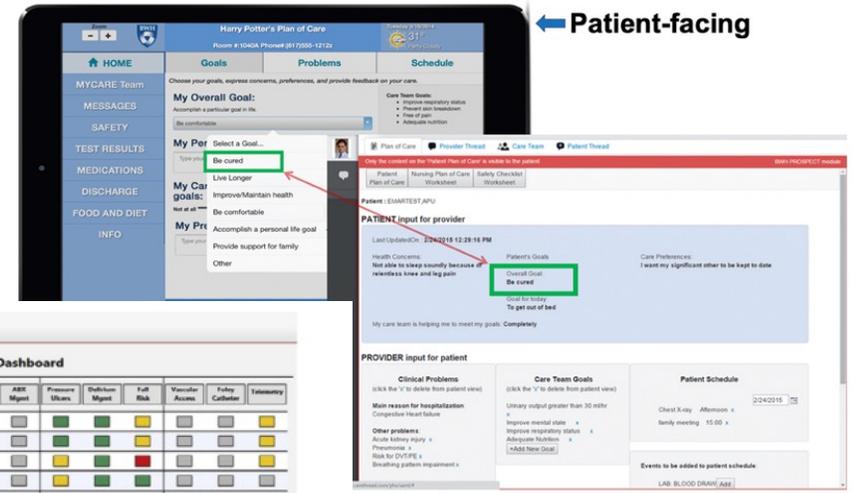
BRIGHAM AND WOMEN'S HOSPITAL

User-Centered Collaborative Design and Development of an Inpatient Safety Dashboard

Eli Mlaver, BA; Jeffrey L. Schnipper, MD, MPH; Robert B. Boxer, MD, PhD; Dominic J. Breuer, MS; Esteban F. Gershanik, MD, MPH, MSc; Patricia C. Dykes, PhD, MA, RN; Anthony F. Massaro, MD; James Benneyan, PhD; David W. Bates, MD, MSc; Lisa S. Lehmann, MD, PhD, MSc*

Potential of an Electronic Health Record-Integrated Patient Portal for Improving Care Plan Concordance during Acute Care

Anuj K Dalal^{1,2}, Patricia Dykes^{1,2}, Lipika Samal^{1,2}, Kelly McNally¹, Eli Mlaver¹, Cathy S Yoon¹, Stuart R Lipsitz^{1,2}, David W Bates^{1,2}

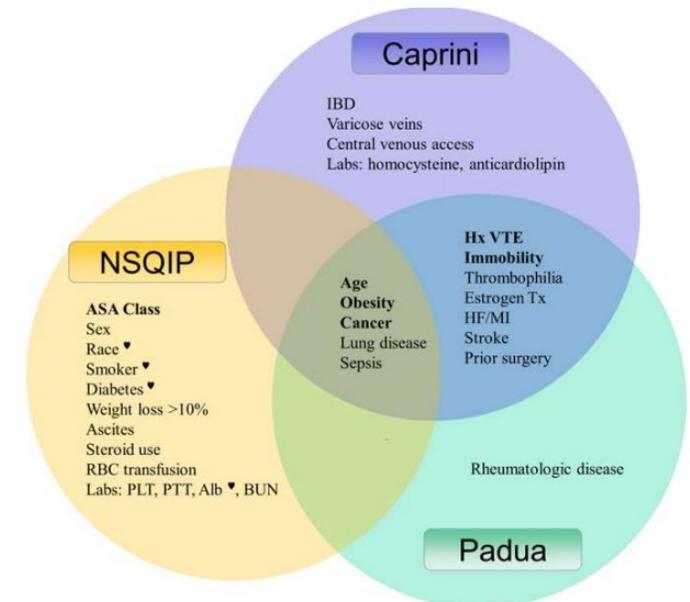
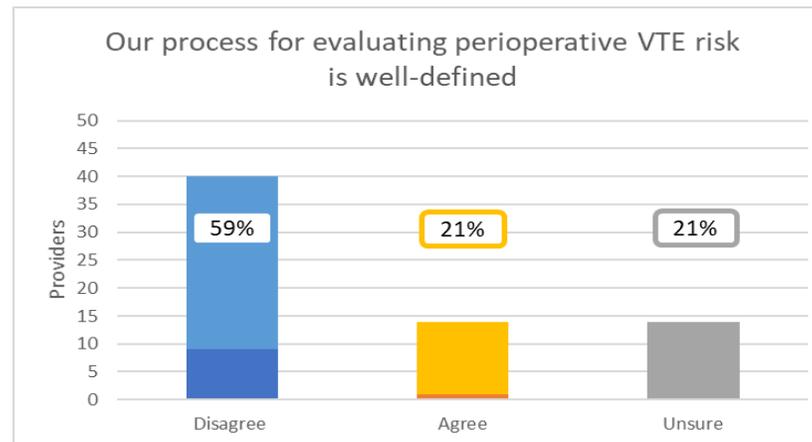


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NSQIP Observed to Expected Ratio for VTE



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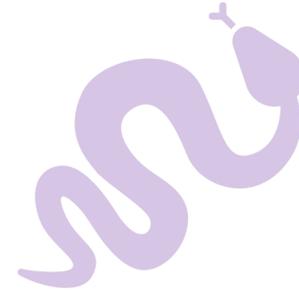


EMORY
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MEDICINE

**Development of a Novel Preoperative
Venous Thromboembolism Risk
Assessment Model**

Eli Mlaver, BA¹, Grant C. Lynde, MD, MBA², Claire Gallion³, John F. Sweeney, MD⁴,
and Jyotirmay Sharma, MD⁴

The American Surgeon
2020, Vol. 86(9) 1098-1105
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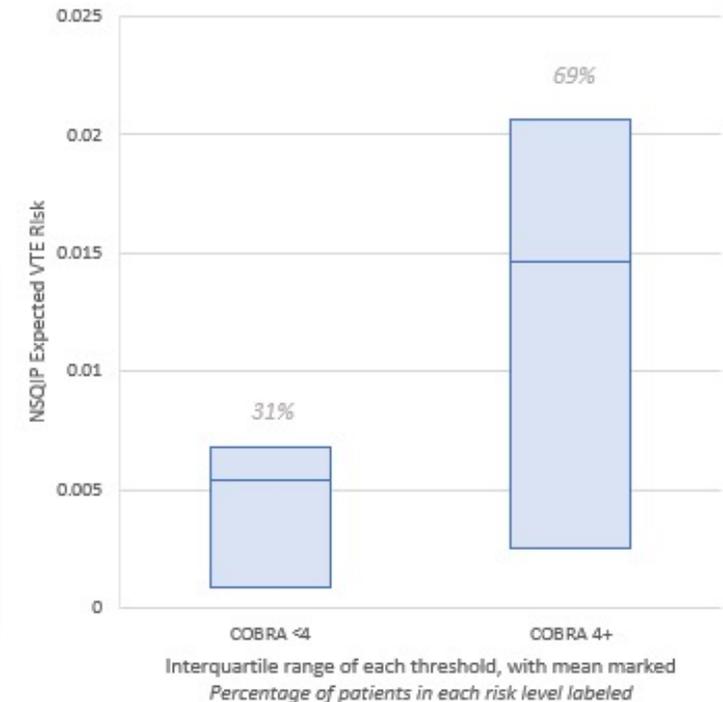



COBRA

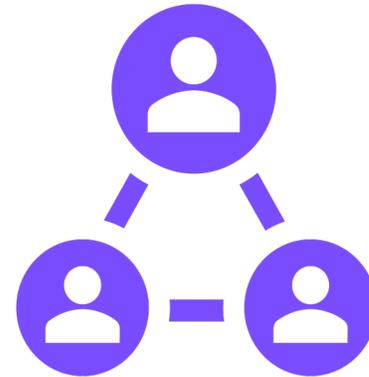
Cancer	if presumed, +1
Old age	if >70, +1
BMI	if >30, +1
Race	if Black/AA, +1
ASA	+ASA

If total <4, Low Risk!

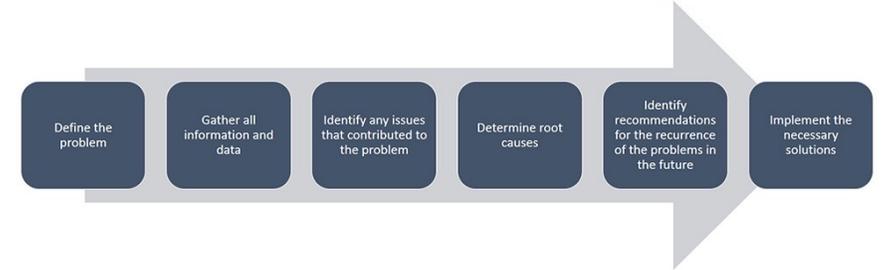
COBRA Box Plot - All Cases (n=10711)



Where I come from



Root Cause Analysis Basic Steps



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SURGERY

Funding

Georgia Trauma Commission Grant



GEORGIA TRAUMA
COMMISSION

TL1, NIH/NCATS Georgia Clinical and
Translational Science Alliance



Georgia CTSA
Georgia Clinical & Translational Science Alliance

Education

Masters of Science in Clinical Research



EMORY

LANEY
GRADUATE
SCHOOL

AMIA 10 x 10 Informatics Course

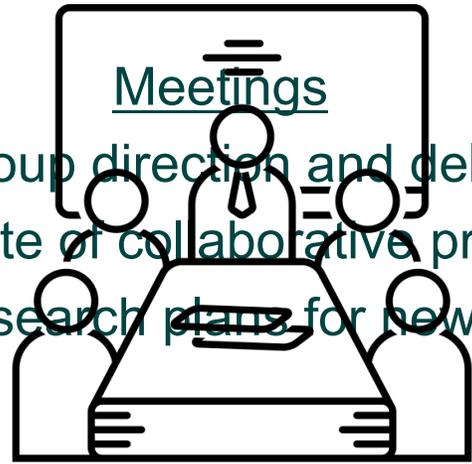


INFORMATICS PROFESSIONALS. LEADING THE WAY.

Roles & Responsibilities

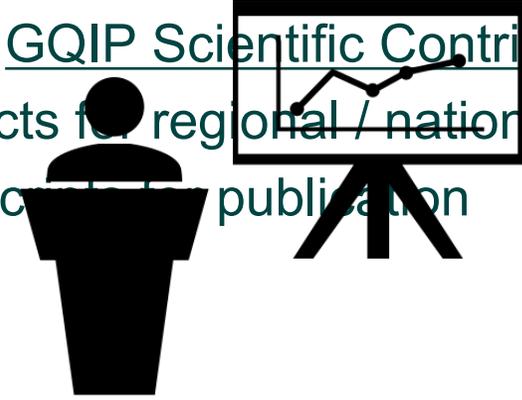
Meetings

- Working group direction and deliverables
- Present state of collaborative projects
- Develop research plans for new projects



GQIP Scientific Contributions

- Abstracts for regional / national presentation
- Manuscript publication



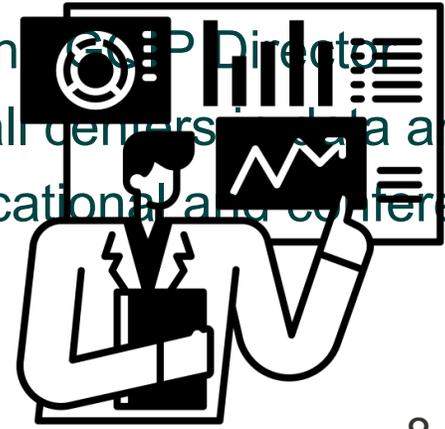
Data Analysis

- Clean and aggregate shared data
- Lead data analysis strategy planning
- Primary data analysis and model building



Miscellaneous

- Support the GQIP Director
- Support all centers' data and drill downs
- Plan educational and conference activities



Jesse Codner MD, GQIP Scholar 2020-22



Predicting acute kidney injury in a Georgia Quality Improvement Program Trauma Cohort



A State-wide collaborative drill down and analysis of unplanned ICU admissions



Predicting acute kidney injury in a Georgia Quality Improvement Program Trauma Cohort



Georgia Quality Improvement Programs multi-institutional collection of postoperative opioid data using ACS-NSQIP Abstraction

Improving postoperative sepsis performance measurement using hospital risk-adjustment and concomitant monitoring of prevention and rescue within a statewide surgical collaborative

Goals for 2022-2024



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- ArborMetrix integration
- ISS Estimation
- TBI, Geriatrics
- Rural Expansion
- Collaboration across GQIP sites



Thank you



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