



Hip Fracture Optimization

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WAMC Hip Fractures



- Time to OR consistently below national average on TQIP benchmarks with median times from 19-22 hours.
- Percent of patients with fixation >24 hours 29.5% compared to 37.3% nationally
- Percent of patients with fixation >48 hours 7.7%, same as national average

Optimal OR scheduling

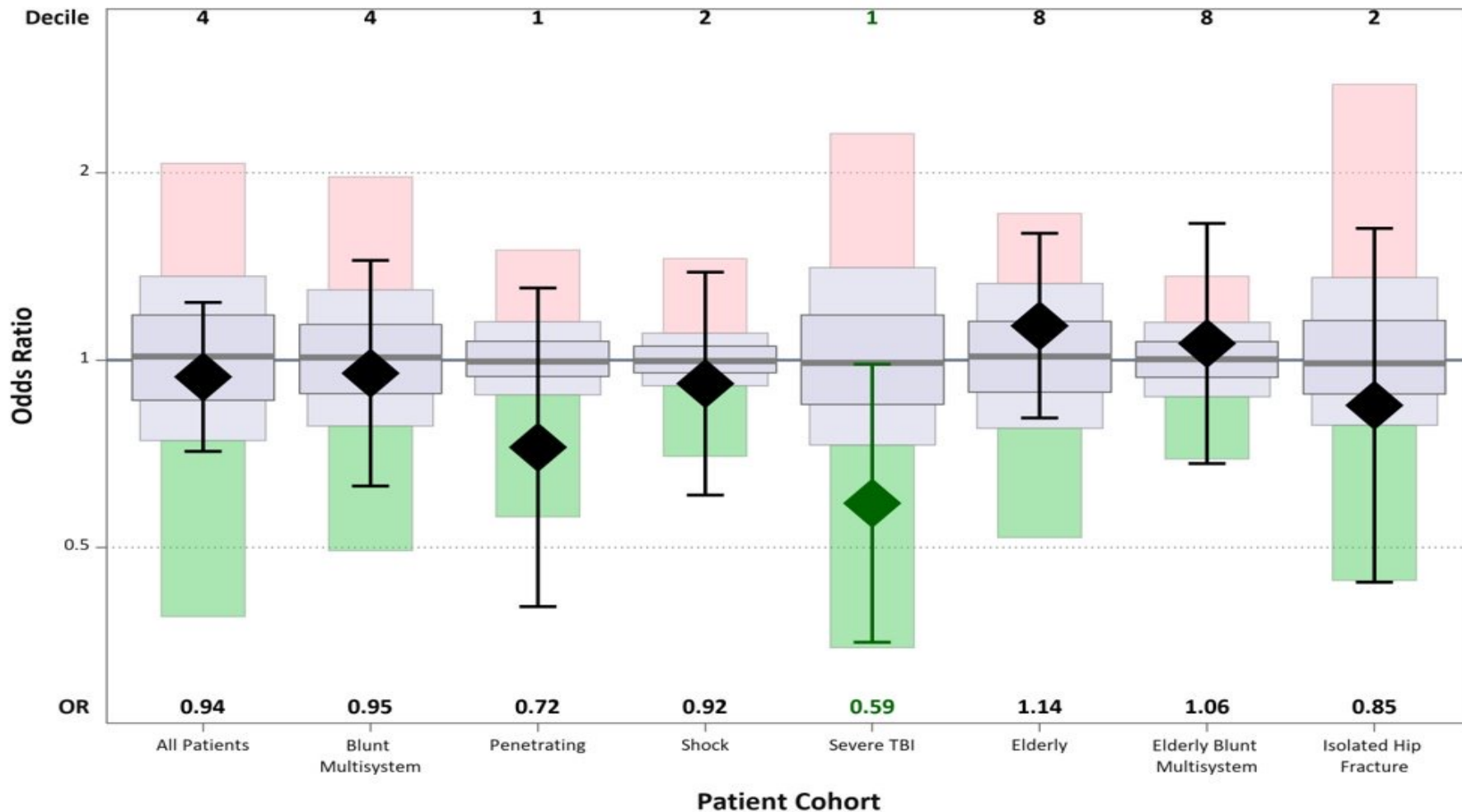


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- Orthopedic surgeon block times in OR scheduled for next day after being on-call
 - One dedicated ortho trauma operating room 7 days/week for inpatient and ED musculoskeletal trauma cases
 - Tiered urgency system for add-on cases with surgeon of the day designated to prioritize cases (rotated between trauma and orthopedics)
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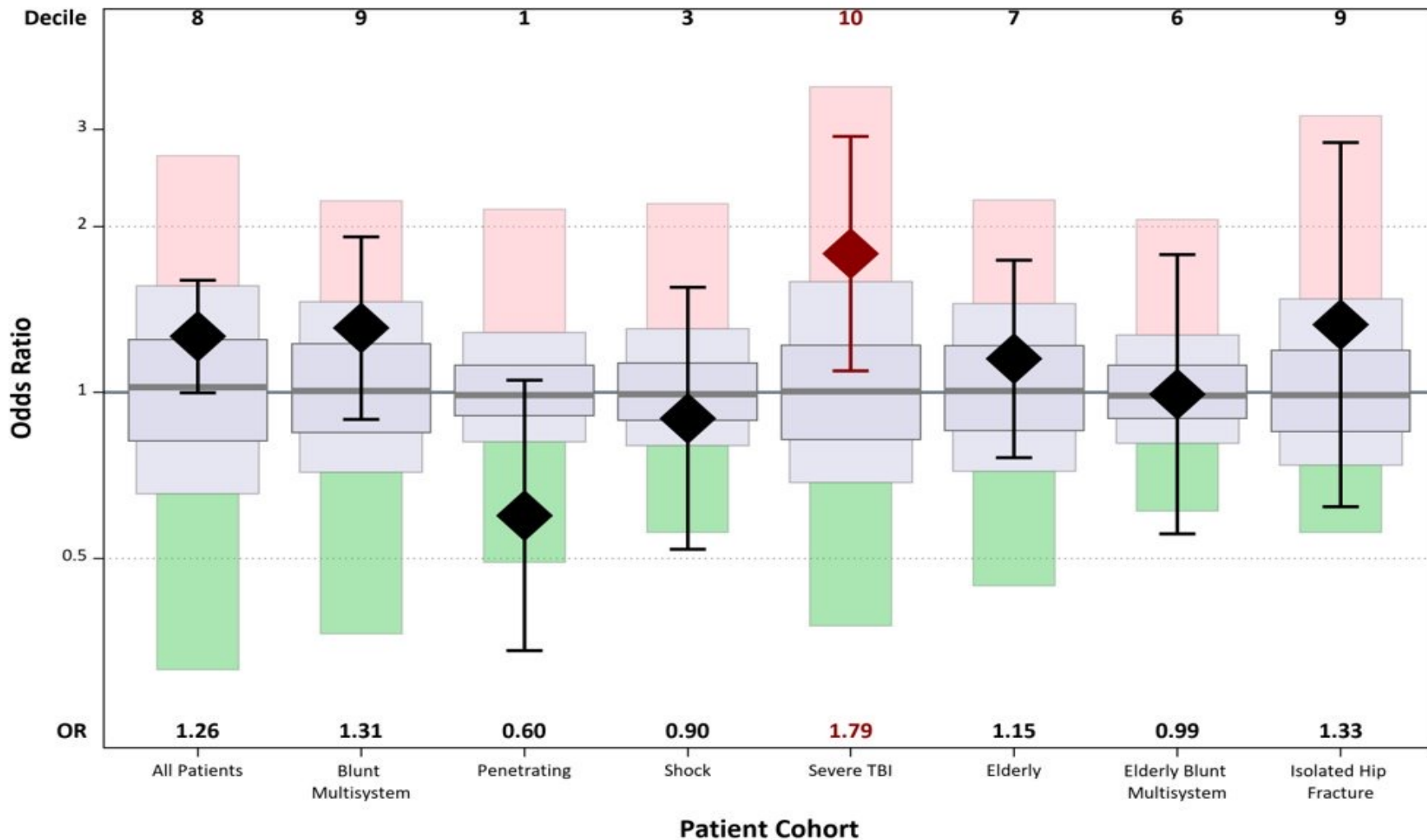
Risk-Adjusted Mortality by Cohort - Spring 2022 TQIP Report ID: 125





Risk-Adjusted Major Hospital Events by Cohort - Spring 2022

TQIP Report ID: 125



It's about more than time to OR



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- Hip fracture risk-adjusted mortality consistently below 1.00
- Major hospital events increasing

Odds Ratio	Fall 2017	Spring 2018	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021	Fall 2021	Spring 2022
Mortality	0.99	0.98	0.99	0.98	0.94	0.86	0.83	0.79	0.80	0.85
Major Hospital Events	1.42	0.95	0.97	0.88	1.3	1.16	0.92	1.65	2.06	1.33

Was the increase in hospital events a result of a true increase in complications or were we better at data collection and identification of complications??

Data Drill Down Results



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- While time to OR is important, medical optimization should also be considered.
 - In a population where that is normally hypertensive, 57% of patients experienced post-operative hypotension.
 - Correlations found between post-operative hypotension and intra-operative pressor usage. Believed to be centered around volume status and lack of resuscitation pre and intra operatively.
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The Hip Fracture Optimization Committee was formed to ensure a standard operating practice that focuses on the medical optimization in the elderly hip fracture patient

Guidelines will focus on the medical optimization for the pre, intra and post operative phases of care

All disciplines involved so this will translate to hip fracture patients on **ALL** admitting services

Round table



Questions are the path to learning
