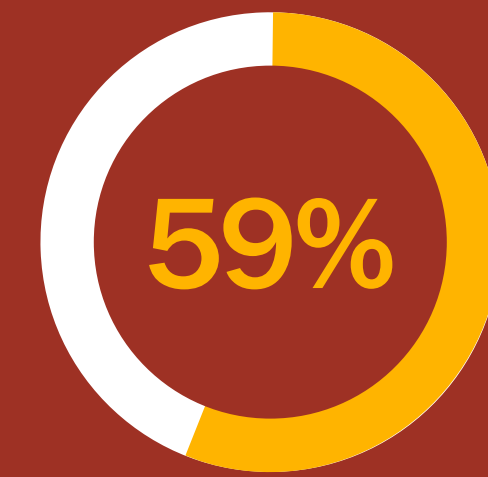


Health-care Costs of Orthopaedic Trauma Sustained in Combat

The health-care requirements associated with orthopaedic trauma in combat injuries compared with non-combat injuries are not clear



Among individuals with combat injury

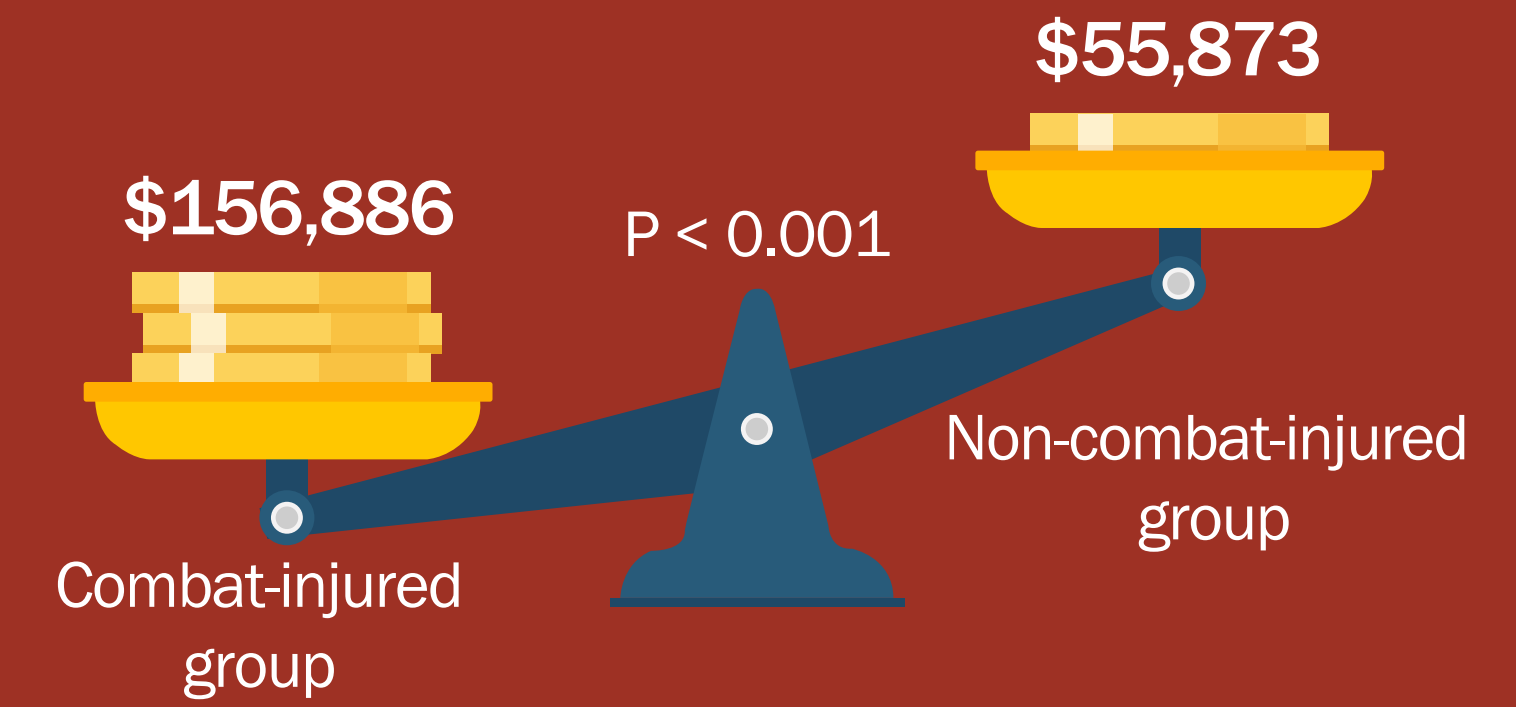


Blast-related trauma
(most common injury)

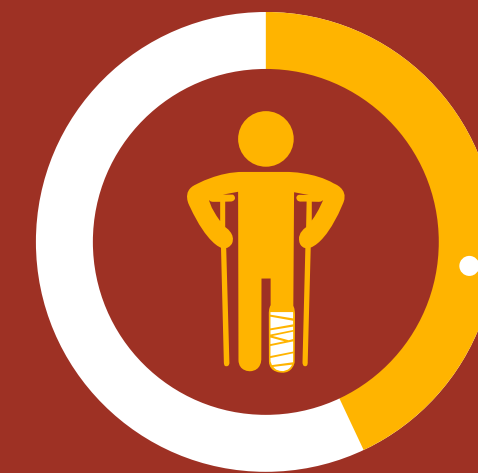


Injured individuals who
underwent amputation

Total health-care expenditures



Injuries with associated increase in health-care expenditures



Combat-related
orthopaedic injuries

43% increase
in expenditure
(Incidence rate
ratio = 1.43;
95% CI 1.19–1.73)

Factors associated with health-care utilization



≥ 2 comorbidities



Amputations



Severe Injury Severity Score at presentation

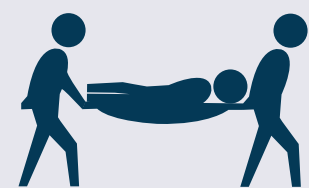


Junior enlisted sponsor rank (a proxy for
lower socio-economic status)



**Health-care costs are high among service members sustaining
combat and non-combat orthopaedic trauma**

Combat trauma
(n = 2,119)



Non-combat trauma
(n = 2,119)



- ✓ Survey of health-care utilization
- ✓ Total health-care expenditures over the post-injury period



Negative binomial regression analysis
to identify the association between risk
factors and health-care expenditures

Health-Care Utilization and Expenditures Associated with Long-Term Treatment After
Combat and Non-Combat-Related Orthopaedic Trauma

Hering et al. (2022) | DOI: 10.2106/JBJS.21.01124

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