Health Economics and Policy Research at NCIPC

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Health Economics and Policy Research Team

- **Mission:** To reduce injury and violence by providing state-of-the-art information for decision makers using the tools of economics and decision science

- **Goals**
  - Provide timely estimates of the economic burden of injury and violence using the most up to date methodology and data available
  - To apply rigorous scientific processes to plan, analyze, synthesize, and translate research to demonstrate the effectiveness of injury and violence prevention in real world settings
  - Describe the impact of alternative prevention options to maximize the impact of scarce prevention resources
  - Increase understanding of economic and demographic changes on rates of injury and violence
Efficient Resource Use for Injury Prevention

- Expand on prior efforts
  - Older adult falls prevention
  - Motor vehicle injury prevention
  - Child maltreatment prevention programs
- Improve effective communication of results
- Develop microsimulation models to describe alternative scenarios for implementing prevention strategies
Economic Burden Estimates

- **Updated valuation methodology**
  - Value of quality of life lost (nonfatal injury)
  - Value of statistical life lost (fatal injury)

- **WISQARS Cost Module 2.0**
  - New data source for medical and work loss cost of emergency department treated nonfatal injury
  - Estimate Quality of Life Lost for emergency department treated nonfatal injury
  - Use Value of Statistical Life to value fatal injury

- **Data Dashboard**
  - State level estimates of opioid economic burden
Evaluate Injury Prevention in Real World Settings

- Explore methods for systematically collecting data to evaluate the effectiveness and cost-effectiveness of prevention strategies
- Build on prior successes
  - Cardiff Model evaluation
  - Earned Income Tax Credit and child maltreatment
Economic and Demographic Impacts on Injury

- **Forecasting models for fatal injury rates**
  - Overall
  - Suicide
  - Poisonings

- **Collaboration with new Data Science team**
  - Analysis of “Big Data”
  - Use of alternative/new data sources
For more information please contact Centers for Disease Control and Prevention

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