Core Violence and Injury Prevention: State Injury Indicators

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Overview

- NCIPC
- Core Violence and Injury Prevention Program
- State Injury Indicator Surveillance and Associated Tools
- WISQARS
Injury Center Mission
To prevent injuries and violence and reduce their consequences so that people can live to their full potential

Injury Center Vision
To put injury and violence prevention on the map as the premier public health achievement of the decade
<table>
<thead>
<tr>
<th>Rank</th>
<th>Age Group</th>
<th>Causes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>&lt;1</td>
<td>Congenital Anomalies 5,107, Unintentional Injury 1,354, Unintentional Injury 758, Unintentional Injury 855, Unintentional Injury 12,341, Unintentional Injury 14,792, Malignant Neoplasms 50,211, Malignant Neoplasms 169,501, Heart Disease 477,338, Heart Disease 597,889</td>
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<tr>
<td>2</td>
<td>1-4</td>
<td>Short Gestation 4,148, Congenital Anomalies 507, Malignant Neoplasms 439, Malignant Neoplasms 477, Homicide 4,678, Suicide 5,735, Malignant Neoplasms 11,809, Heart Disease 36,729, Heart Disease 88,077</td>
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<tr>
<td>3</td>
<td>5-9</td>
<td>SIDS 2,063, Homicide 385, Congenital Anomalies 163, Suicide 267, Suicide 4,600, Homicide 4,258, Heart Disease 10,594, Unintentional Injury 19,667, Chronic Low Respiratory Disease 14,242, Chronic Low Respiratory Disease 118,031, Chronic Low Respiratory Disease 138,080</td>
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<tr>
<td>4</td>
<td>10-14</td>
<td>Maternal Pregnancy Comp. 1,561, Malignant Neoplasms 346, Homicide 111, Homicide 150, Malignant Neoplasms 1,604, Malignant Neoplasms 3,619, Suicide 6,571, Suicide 8,799, Unintentional Injury 14,623, Cerebrovascular 109,990, Cerebrovascular 129,476</td>
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<td>5</td>
<td>15-24</td>
<td>Unintentional Injury 11,110, Heart Disease 159, Heart Disease 68, Congenital Anomalies 135, Heart Disease 1,028, Heart Disease 3,222, Homicide 2,473, Liver Disease 8,651, Diabetes Mellitus 11,677, Alzheimer’s Disease 82,016, Unintentional Injury 126,859</td>
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<td>6</td>
<td>25-34</td>
<td>Placenta Cord Membranes 1,030, Influenza &amp; Pneumonia 91, Chronic Low Respiratory Disease 60, Heart Disease 117, Congenital Anomalies 412, HIV 741, Liver Disease 2,423, Cerebrovascular 5,910, Cerebrovascular 10,693, Diabetes Mellitus 49,191, Alzheimer’s Disease 83,494</td>
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<td>7</td>
<td>35-44</td>
<td>Bacterial Sepsis 583, Septicemia 62, Cerebrovascular 47, Chronic Low Respiratory Disease 73, Congenital Anomalies 190, Diabetes Mellitus 606, Cerebrovascular 1,904, Diabetes Mellitus 5,610, Liver Disease 9,764, Influenza &amp; Pneumonia 42,846, Diabetes Mellitus 69,071</td>
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<td>8</td>
<td>45-54</td>
<td>Respiratory Distress 514, Benign Neoplasms 59, Benign Neoplasms 45, Benign Neoplasms 45, Influenza &amp; Pneumonia 181, Cerebrovascular 517, HIV 1,898, Chronic Low Respiratory Disease 4,452, Suicide 6,384, Nephritis 41,994, Nephritis 50,476</td>
</tr>
<tr>
<td>9</td>
<td>55-64</td>
<td>Circulatory System Disease 507, Perinatal Period 52, Influenza &amp; Pneumonia 37, Cerebrovascular 43, Diabetes Mellitus 165, Liver Disease 487, Diabetes Mellitus 1,789, HIV 3,123, Nephritis 5,082, Unintentional Injury 41,300, Influenza &amp; Pneumonia 50,097</td>
</tr>
<tr>
<td>10</td>
<td>65+</td>
<td>Neotizing Encephalitis 472, Chronic Low Respiratory Disease 51, Septicemia 32, Septicemia 35, Complicated Pregnancy 163, Congenital Anomalies 397, Influenza &amp; Pneumonia 773, Vial Hepatitis 2,376, Septicemia 4,604, Septicemia 26,310, Suicide 38,364</td>
</tr>
</tbody>
</table>

Core Violence and Injury Prevention Program

• **Program Purpose**
  – Support states in implementing activities to build a solid foundation for violence and injury prevention activities

• **Program Objectives**
  – Build a solid infrastructure for injury prevention and control
  – Collect, analyze and use injury data
  – Design, implement and evaluate interventions
  – Providing technical support and training
Core VIPP Overview

- Cooperative agreement funding period 2011-2016
- 20 State Health Departments funded for the Basic Integration Component (BIC)
- 5 Regional Network Leader Awardees (RNL)
- 4 Motor Vehicle Child Injury Prevention Component Awardees (MVP)
- 4 Surveillance Quality Improvement Awardees (SQI)
- 3 State Falls Prevention Awardees (Falls)
BASIC INTEGRATION COMPONENT (BIC)
Core VIPP Basic Integration Component

- Intended to support funded states in building capacity and achieving health impact

- BIC funds SHDs to:
  - Enhance injury and violence prevention program infrastructure
  - Collect and analyze data
  - Support and evaluate program and policy interventions
  - Affect behavior and knowledge
  - Design, implement, and evaluate programs
  - Provide technical support and training
  - Participate in required grantee meetings and activities
Focus Areas

Number of States N=20

- Motor Vehicle Injury: 20
- Older Adult Falls: 17
- Prescription Drug Overdose: 16
- Child Maltreatment: 8
- Suicide/Suicide Attempts: 7
- Sports Concussion/TBI: 6
- Suffocation/Sudden unexplained infant death: 3
- Drowning/submersion injuries: 2
- Domestic/ Interpersonal Violence: 1
- Fire and Burn Injury: 1
Core VIPP BIC Activities Leading to Health Impact

- Built Capacity
  - Infrastructure
  - Surveillance
  - Strategies
  - Evaluation
  - Collaboration

- Focus Area 1
  - SMART objs
  - (proximal, distal)
  - Strategies

- Focus Area 2
  - SMART objs
  - (proximal, distal)
  - Strategies

- Focus Area 3
  - SMART objs
  - (proximal, distal)
  - Strategies

- Focus Area 4
  - SMART objs
  - (proximal, distal)
  - Strategies
REGIONAL NETWORK LEADER
COMPONENT
Regional Network Leader Component

• 5 states are funded

• Purpose - Provide structured assistance to states within designated regions to build capacity, share best practices, and increase state injury and violence prevention capacity across the network to prevent and reduce injury and violence.

• Funded states include: Kansas, Maryland, Massachusetts, North Carolina, and Washington State
Core VIPP in Action - RNLs

- Engaged stakeholders from region
- Developed a Terms of Reference document
- Conducted a needs assessment
- Completed satisfaction survey
- Hosted network webinars and peer-to-peer trainings
- Held meetings with network member states
- Participated in facilitated mentoring and coaching opportunities
MOTOR VEHICLE COMPONENT
Motor Vehicle Policy (MVP) Component

• Four states are funded to address MV-related injuries among children and teens by:
  – using data to better understand who is at risk and what works to prevent motor vehicle-related injury;
  – develop programs; and
  – inform decision makers about strategies to help keep drivers, passengers, bicyclists and pedestrians safe on the road each day.

• Funding specifically addresses the issue of MV-related injuries by supporting the selection of policy strategies to reduce motor vehicle-related injuries in children, activities to build state capacity for implementing and evaluating policy activities, and the planning, implementation, and evaluation of policy activities.

• Funded states include: Colorado, Nebraska, New York, and Washington.
SURVEILLANCE QUALITY IMPROVEMENT (SQI) COMPONENT
Surveillance Quality Improvement (SQI) Component

- 4 states are funded
- Purpose – To conduct injury data investigations supportive of promoting and advancing uniform injury case definitions, improving data quality, and advancing methodology to improve and standardize injury data collection efforts among all states.
- Funded states include: Colorado, Massachusetts, North Carolina, and Utah.
Core VIPP in Action - SQI

- Injury indicator data were leveraged in states to produce both TBI Special Emphasis Reports and Early Childhood Injury Special Emphasis Reports.
- Currently working on a PDO Special Emphasis Report.
- Developed guidance documents, data analysis tools, and publication templates for states to use to facilitate their work with state level partners in producing documents that move data into action.
FALLS COMPONENT
Prevention of Falls Among Older Adults

- Fall Prevention Community Programs: 11
- STEADI/Other Fall Prevention Clinical Strategies: 9
- Fall Prevention Awareness/Education Strategies: 5
Falls Component

• 3 states are funded through the Core VIPP State Falls Prevention Program (Falls) component.

• States are funded to implement evidence-based practices and interventions in community settings and clinical care practices.

• During Year 1, these states implemented exercise programs; addressed policy changes; and provided technical assistance and trainings to state partners.

• Funded states include: Colorado, New York, and Oregon.
PREVENTION OF PRESCRIPTION DRUG OVERDOSE (PDO) ACTIVITIES
Prevention of Prescription Painkiller Overdose (PDO)

Number of States N=16

- Prescription Drug Monitoring Program: 8
- Clinical Prescribing Guidelines & Provider Education: 6
- Medication Disposal: 4
- Prescription Drug Overdose (Unspecified): 3
- Naloxone Programs: 2
- Poison Control Center: 1
- Pain Management Clinic Policies: 1
PREVENTION OF VIOLENCE AGAINST CHILDREN AND YOUTH ACTIVITIES
Prevention of Violence Against Children and Youth

Number of States N=8

- 3: Child Maltreatment (Not Specified)
- 3: Abusive Head Trauma
- 3: Home Visitation Programs
- 1: Improving Child Maltreatment Surveillance
- 1: Child Sexual Assault
PREVENTION OF TRAUMATIC BRAIN INJURIES (TBI)
State Injury Indicators (SII) Surveillance

- **Consensus Process**
  - CSTE
  - Safe States Alliance
  - State Partners
  - NCIPC

- **Products and Tool**
  - Annual Methods Document
  - Rate Calculation Spread Sheets
  - Special Emphasis Report Tools
State Injury Indicators (SII) Surveillance

- Ten Indicator Suites
  - All Injury
  - Drowning
  - Falls
  - Fire-Related
  - Firearm-Related
  - Homicide/Assault
  - Motor Vehicle
  - Poisoning
    - Drug Overdose Deaths
  - Suicide/Suicide Attempt
  - Traumatic Brain Injury
State Injury Indicators (SII) Surveillance

- Data Sources
  - Multiple Cause of Death Data
  - Hospital Discharge Data
  - Emergency Department Discharge Data
  - BRFSS/YBRS
  - FARS
Special Emphasis Reports

- Goals
  - Moving data into action
  - Tool for partnership

* Citations, references, and credits
Special Emphasis Reports

- Report Development Guidance
- Data Analysis Tools
- Report Templates

* Citations, references, and credits
Special Emphasis Reports

Currently Available

• Infant and Early Childhood Injury
  o HRSA
• Traumatic Brain Injury

Under Development

• Acute Poisoning Deaths Due to the Effects of Drugs
  o Based on ISW7 and CSTE work group findings
  o The instructional document will have a heavy focus on evaluation of data quality
  o Report template will focus on basics of the epidemic
WISQARS™ (Web-based Injury Statistics Query and Reporting System) is an interactive database system that provides customized reports of injury-related data

- Fatal
- Nonfatal
- Violent Death

WISQARS - FATAL

- Death certificate data from the *National Vital Statistics System* — deaths, death rates, and years of potential life lost (a measure of premature death) by specific causes of injury mortality and common causes of death.
WISQARS – NONFATAL

- National estimates of injuries treated in U.S. hospital emergency departments from the *National Electronic Injury Surveillance System - All Injury Program (NEISS-AIP)* — nonfatal injuries and nonfatal injury rates.
WISQARS - NVDRS

- Data from the *National Violent Death Reporting System (NVDRS)* — violent incidents and deaths, death rates, and causes of injury mortality. Data provided for 16 states and are *not nationally representative*.
WISQARS - Other

- Cost of Injury Reports
- Mapping Modules
- Mobile App
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