The Cost of Gun Violence

Firearm injuries cost $174 billion in the United States in 2010 and the government's firearm injury bill alone exceeded $12 billion. PIRE researcher Ted Miller estimates annual firearm injury costs average $645 per gun in America. The costs include medical and mental health care costs, criminal justice costs, wage losses, and the value of pain, suffering and lost quality of life. Violence - assaults and suicide acts - dominated the costs. These estimates are based on the latest injury data from the Centers for Disease Control and unit costs from the Pacific Institute for Research and Evaluation's (PIRE) widely cited injury cost model. Data was developed by Ted R Miller, PhD, Principal Research Scientist, Children's Safety Network Economics and Data Analysis Resource Center, at Pacific Institute for Research and Evaluation, December 2012. All incidence data are from CDC's WISQARS web query system, accessed December 2012.

<table>
<thead>
<tr>
<th>Societal Cost per Firearm Injury, United States, 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal</td>
</tr>
<tr>
<td>Work Loss</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>Fatal</td>
</tr>
<tr>
<td>Hospital Admitted</td>
</tr>
<tr>
<td>Emergency Department Only</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cost to Government per Firearm Injury, United States, 2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal</td>
</tr>
<tr>
<td>Lost Tax Revenue</td>
</tr>
<tr>
<td>--------</td>
</tr>
<tr>
<td>Fatal</td>
</tr>
<tr>
<td>Hospital Admitted</td>
</tr>
</tbody>
</table>
Cost to Government per Firearm Injury, United States, 2010

<table>
<thead>
<tr>
<th></th>
<th>Lost Tax Revenue</th>
<th>Medical Care (Medicare/Medicaid)</th>
<th>Mental Health (Medicare/Medicaid)</th>
<th>Emergency Transport</th>
<th>Police</th>
<th>Criminal Justice</th>
<th>Insurance Claims Processing</th>
<th>Total Cost per Firearm Assault</th>
<th>Total Cost per Firearm Injury, Other Intents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Department Only</td>
<td>$329</td>
<td>$573</td>
<td>$96</td>
<td>$28</td>
<td>$825</td>
<td>$6,613</td>
<td>$286</td>
<td>$8,750</td>
<td>$2,137</td>
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</tbody>
</table>

Incidence and Societal Cost of Firearm Injury, United States 2010

<table>
<thead>
<tr>
<th></th>
<th>Incidence in 2010</th>
<th>Work Loss</th>
<th>Medical Care</th>
<th>Mental Health</th>
<th>Emergency Transport</th>
<th>Police</th>
<th>Criminal Justice</th>
<th>Insurance Claims Processing</th>
<th>Employer Cost</th>
<th>Quality of Life</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital Admitted</td>
<td>38566</td>
<td>$2,801,858,466</td>
<td>$1,926,256,002</td>
<td>$9,178,708</td>
<td>$12,688,214</td>
<td>$37,717,548</td>
<td>$167,341,965</td>
<td>$129,388,930</td>
<td>$84,999,464</td>
<td>$11,434,741</td>
<td>$16,604,171,165</td>
</tr>
<tr>
<td>Total, United States</td>
<td>105177</td>
<td>$52,078,158,690</td>
<td>$2,876,581,048</td>
<td>$360,538,433</td>
<td>$30,896,074</td>
<td>$133,655,191</td>
<td>$4,756,285,828</td>
<td>$224,151,630</td>
<td>$381,782,430</td>
<td>$174,109,803</td>
<td>$174,109,803,384</td>
</tr>
</tbody>
</table>

Cost to Government of Firearm Injury, United States, 2010

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<thead>
<tr>
<th></th>
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<th>Medical Care (Medicare/Medicaid)</th>
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<th>Emergency Transport</th>
<th>Police</th>
<th>Criminal Justice</th>
<th>Insurance Claims Processing</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal</td>
<td>31,672</td>
<td>$5,177,991,936</td>
<td>$455,158,312</td>
<td>$172,359,024</td>
<td>$17,229,568</td>
<td>$67,112,968</td>
<td>$4,414,618,570</td>
<td>$37,404,632</td>
<td>$10,341,875,010</td>
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<tr>
<td>Hospital Admitted</td>
<td>38,566</td>
<td>$294,952,768</td>
<td>$963,147,284</td>
<td>$4,589,354</td>
<td>$12,688,214</td>
<td>$37,717,548</td>
<td>$167,341,965</td>
<td>$64,713,748</td>
<td>$1,545,150,881</td>
</tr>
</tbody>
</table>

These estimates were funded by the Health Resources and Services Administration, US Department of Health and Human Services, and by Public Health Law Research, a national program of the Robert Wood Johnson Foundation.
Cost to Government of Firearm Injury, United States, 2010

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<tr>
<th></th>
<th>Incidence in 2010</th>
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<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Department Only</td>
<td>34,939</td>
<td>$11,494,931</td>
<td>$20,020,047</td>
<td>$3,354,144</td>
<td>$978,292</td>
<td>$28,824,675</td>
<td>$174,325,293</td>
<td>$9,992,554</td>
<td>$248,989,936</td>
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<tr>
<td>Total, United States</td>
<td>105,177</td>
<td>$5,484,439,635</td>
<td>$1,438,325,643</td>
<td>$180,302,522</td>
<td>$30,896,074</td>
<td>$133,655,191</td>
<td>$4,756,285,828</td>
<td>$112,110,934</td>
<td>$12,136,015,827</td>
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</table>

Firearm Injury Costs per Gun, United States, 2010

<table>
<thead>
<tr>
<th></th>
<th>Direct Cost</th>
<th>Work Loss</th>
<th>Quality Of Life</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Societal Cost Per Gun</td>
<td>$32</td>
<td>$193</td>
<td>$420</td>
<td>$645</td>
</tr>
<tr>
<td>Government Cost Per Gun</td>
<td>$0.04</td>
<td>$0.07</td>
<td>$0.01</td>
<td>$0.92</td>
</tr>
</tbody>
</table>

Costs of Firearm Injury by Intent, United States, 2010

<table>
<thead>
<tr>
<th></th>
<th>Unintentional</th>
<th>Homicide/ Assault</th>
<th>Legal Intervention</th>
<th>Suicide Act</th>
<th>Undetermined Intent</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Societal Cost</td>
<td>$6,341,333,414</td>
<td>$71,533,317,526</td>
<td>$1,991,517,476</td>
<td>$93,036,637,504</td>
<td>$1,184,339,268</td>
<td>$174,087,145,188</td>
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<tr>
<td>Direct Cost</td>
<td>$376,387,630</td>
<td>$6,802,593,577</td>
<td>$62,186,798</td>
<td>$1,107,030,707</td>
<td>$11,251,296</td>
<td>$8,359,450,008</td>
</tr>
</tbody>
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<th>Suicide Act</th>
<th>Undetermined</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fatal</strong></td>
<td>606</td>
<td>11,078</td>
<td>344</td>
<td>19,392</td>
<td>252</td>
<td>31,672</td>
</tr>
<tr>
<td><strong>Hospital Admitted</strong></td>
<td>5,956</td>
<td>27,377</td>
<td>848</td>
<td>4,385</td>
<td></td>
<td>38,566</td>
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<tr>
<td><strong>Emergency Department Only</strong></td>
<td>8,205</td>
<td>26,361</td>
<td>115</td>
<td>258</td>
<td></td>
<td>34,939</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>14,767</td>
<td>64,816</td>
<td>1,307</td>
<td>24,035</td>
<td>252</td>
<td>104,925</td>
</tr>
</tbody>
</table>