

he City of Knoxville is the largest city in East Tennessee with 196,000 residents. Knoxville is known for being the home of the University of Tennessee, and the city's population swells by an additional one hundred thousand people on Saturdays when the Vols football team is playing at home. In the early 1900s, Knoxville was known for its marble distribution and shortly after gained the nickname of "The Marble City". Knoxville's population is 73.9% White, 16.1% Black, 5.7% Latino, and 1.6% Asian.1

Like other cities in the South, Knoxville played an important role in the Civil Rights Movement. In the 1960s, downtown Knoxville became a central location for protesting the unjust treatment of Black people, including the denial of their access to theaters, restaurants, and other business establishments.² Decades later, in 2023, community members took to the streets of Knoxville again to protest the death of Lisa Edwards, who died after suffering a stroke while in police custody.3

Adding to the tension among Knoxville residents was a significant surge in gun violence during the onset of the COVID-19 pandemic, with a nearly 119% increase in fatal shootings in 2020. But the city has since experienced a notable downward trend in shootings since 2021.

When someone is shot in Knoxville, there is an immediate, multifaceted, and very expensive response from an array of government agencies. The Fire Department dispatches Emergency Medical Technicians (EMTs), government-contracted ambulances respond, and several Knoxville Police Department (KPD) units descend on the scene. Investigators from the Knox County District Attorney's Office also often arrive, and if the victim is declared

dead on the scene, the Coroner is called. All of this is only for the shooting scene itself. For a surviving victim, there is also typically a hospitalization, which is frequently paid for by tax dollars. Rehabilitation follows in the case of serious injury, and victim compensation is generally provided. There is also often a lengthy investigation by the Knoxville Police Department and the Knox County District Attorney's Office, who are sometimes joined by the US Attorney, and a trial and a long incarceration period frequently follow. When there are multiple victims and/or suspects, these efforts and costs multiply for a single shooting incident. These are just some of the costs of each injury shooting in Knoxville.

The National Institute for Criminal Justice Reform (NICJR) was commissioned by the City of Knoxville and the Knoxville Office of Community Safety and Empowerment (OCSE) to conduct this detailed analysis that documents the government expenses accompanying every fatal and nonfatal shooting in Knoxville. In tracking the direct costs per shooting incident, NICJR has deliberately used the low end of the range for each expense. For example, this study does not include the loss-of-production costs when the victim or suspect were working at the time of the incident. Nationally, those costs have been estimated at an additional \$1-2 million for each shooting incident. This means that the calculated cost of \$1,463,369.58 for a fatal shooting in Knoxville is a conservative estimate; the real cost is likely even higher.

In the past four years, Knoxville has averaged approximately 114.5 combined nonfatal shootings and fatal shootings annually. At this rate, each year of shootings will ultimately cost taxpayers almost \$99,604,099.00, with both immediate costs such as crime scene response

and longer-term costs such as lost tax revenue and long-term incarceration. If Knoxville could reduce its gun violence rate by just 20%, that could result in government savings of about \$19,920,819.80 for every year of shootings.

The City has already taken positive steps toward reducing gun violence, particularly by developing an Office of Community Safety and Empowerment in 2021. The OCSE spearheads violence interruption strategies, fosters safety innovation and collaboration across City departments, and strengthens partnerships with individuals and organizations dedicated to enhancing Knoxville's safety. The Office maintains bi-weekly meetings with the Mayor and Chief of Police as well as regularly scheduled sessions with the full cabinet. The Office also collaborates closely with the City's Community Empowerment Department and coordinates resources with frontline workers committed to ensuring neighborhood safety.4 Additionally, the OCSE provides a number of mini-grants for organizations working to interrupt violence.

In the past few years, Knoxville has also invested in a range of other efforts to reduce violence, including spring and summer camps that provide safe spaces for youth, a youth violence prevention week, and a variety of other community events and channels for community engagement. Finally, in addition to commissioning NICJR to complete this Cost of Gun Violence study, the City is investing in an updated Gun Violence Problem Analysis that will identify high-risk individuals and dynamics contributing to gun violence, in order to effectively focus violence intervention efforts. Over time, these efforts have the potential to result in considerable benefits for the city, as a relatively small investment in effective gun violence intervention strategies can yield significant reductions in shootings, save lives, and produce massive savings.

^{1.} U.S. Census Bureau QuickFacts: Knoxville City, Tennessee

Beyond History: Knoxville's Black experience in the past | wbir.com Knoxville activists protest treatment of Lisa Edwards while in police custody | WATE 6 On Your Side

Community Safety - City of Knoxville

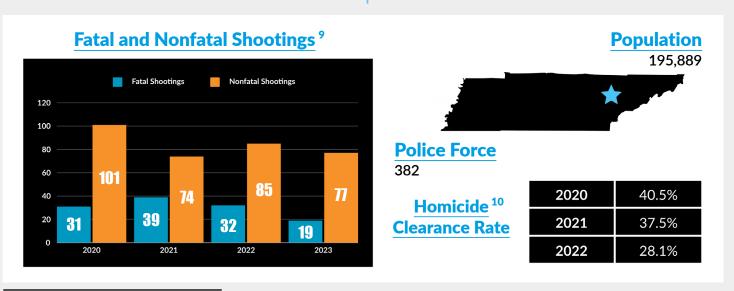


here are significant community costs of gun violence beyond the direct costs included in NICJR's calculations. In addition to the direct financial burden borne by taxpayers, areas with high rates of gun violence experience the loss of community resources and decreases in property values. Businesses, community events, and other vital resources often flee from violent neighborhoods. Further, a study by the Controller for the City of Philadelphia examining the economic impact of gun violence on property values found that "a single homicide lowers sale prices by 2.3 percent in the immediate neighborhood (within 0.75 miles of the homicide)." ⁵

Community members in neighborhoods where rates of violence are highest also bear the burden of community tension and trauma. The normalization or expectation of violence can lead to high rates of gun possession and the resolving of minor disputes with gun violence. The public health approach to violence shows that violence is a contagion that can breed in areas of social dysfunction. The National Institutes of

Health notes that "Contagious diseases and violence tend to cluster in similar ways.... There are geographic 'hot spots' for contagious diseases, such as the 2015 measles outbreak linked to Disneyland in California involving clusters of unvaccinated children. Likewise, there are geographic hot spots for violent crime on specific streets and in specific neighborhoods."

Finally, experiencing violence, witnessing violence, and having close friends or family members victimized by violence produces trauma and vicarious trauma among children. In the 1990s, the groundbreaking Adverse Childhood Experiences (ACEs) study by the Centers for Disease Control and Kaiser Permanente revealed that children who have traumatic experiences when they are young have significantly higher rates of poor health outcomes as they age. ^{7,8} Additional studies have proven that the experience of trauma negatively impacts the brain function of young people and can cause depression, behavioral challenges, academic disruption, and delinquency.



- 5. Report on the Economic Impact of Homicides: Philadelphia Controller
- 6. The Contagious Spread of Violence Among US Adolescents Through Social Networks
- 7. Relationship of Childhood Abuse and Household Dysfunction to Many of the Leading Causes of Death in Adults
- 8. While the CDC-Kaiser ACEs study is not available to the public, information about the study may be found here.
- 9. Knoxville Police Department Internal Data
- 10. Throughout the report, "fatal shootings" and "homicides" are not used synonymously. "Fatal shootings" refers to shooting incidents resulting in the death of the victim; "homicides" refers to all homicides in general.

Knoxville, Tennessee

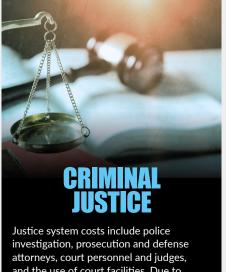
COST BREAKDOWN



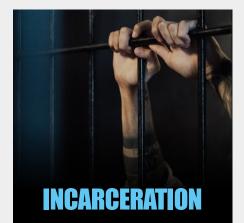
The crime scene response to a severe nonfatal shooting or fatal shooting typically includes a heavy police presence, fire/EMT staff, and medical transport staff. Based on city specific averages, the Knoxville Police Department could deploy up to 11 officers, including patrol, homicide unit personnel, and other supervisory-level officers, to respond to a typical fatal shooting.



Once a victim has been transported to the hospital, the costs of treatment in an emergency room (ER) trauma unit, surgery, inpatient stay, and rehabilitation are exorbitant. Average costs can range from \$88,525 to \$144,617 per incident. With a little more than 40% of gunshot victims either uninsured or on Medicaid, these costs represent a tremendous strain on Knoxville's hospital network.



investigation, prosecution and defense attorneys, court personnel and judges, and the use of court facilities. Due to the consequences of a fatal shooting conviction, these cases go to trial more often than other types of cases. Sometimes these cases involve multiple suspects with multiple court dates and separate trials. From the time of arrest, court proceedings in an injury shooting or fatal shooting case average about two years.



Incarceration accounts for a large portion of the costs once a suspect is arrested. A stay in the Knox County jail system costs an average of \$34,310.00 for the pretrial incarceration period. Following a trial, an inmate is incarcerated within the Tennessee prison system at a cost of \$407,648.96 for those convicted of attempted murder and \$1,171.990.76 for those convicted of homicide.



Many victim support costs are covered by the Tennessee Department of Treasury-Claims and Risk Management. Surviving victims of nonfatal shootings and families of homicide victims receive, on average, \$32,000.00 in compensation to cover costs such as burial expenses, medical expenses, and counseling. Including costs such as autopsies and Social Security benefits increases the total cost for victim support to \$61,622.00.





THE COST Per Shooting

National Institute for

The governmental cost of gun violence to the City, County, and State

Fatal Shooting **Cost**

Nonfatal Shooting

Cost

Police Response: \$4,050.36

Scene Cleanup: \$2,500.00 Fire/EMT: \$1,691.28

CRIME SCENE

\$6,257.75

\$2,066.75: Police Response

\$2,500.00: Scene Cleanup \$1,691.00: Fire/EMT

ER/Trauma Center: \$1,428.00 Gunshot Surgery: \$87,097.00 HOSPITAL **\$88,525.00**

CRIME SCENE

\$8.241.64

HOSPITAL

\$144,617.00

\$1,428.00: ER/Trauma Center

\$87,097.00: Gunshot Surgery

\$56,092.00: Rehabilitation

Police Investigation: \$9,766.14

DA & Public Defender: \$35,844.04

Court Process: \$6,820.00

CRIMINAL JUSTICE

\$52.430.18

CRIMINAL JUSTICE

\$7,976.29

\$2,845.53: Police Investigation \$4,200.76: DA & Public Defender

\$930.00: Court Process

Pretrial Incarceration: \$34,310.00

Prison Placement: **\$1,171,990.76**

INCARCERATION

\$1,206,300.76



INCARCERATION

\$441,958.96

\$34,310.00: Pretrial Incarceration

\$407,648.96: Prison Placement

Coroner's Office: \$1,950.00

Victim Compensation: \$32,000.00

Social Service Assistance: \$27,672.00

(one year of support for two families)

VICTIM SUPPORT

\$61.622.00



VICTIM SUPPORT

\$45.836.00

\$32,000.00: Victim Compensation

\$13,836.00: Social Service Assistance (one year of support for one family)

Lost Tax Revenue: \$46,250.00

(both suspect & murder victim)

\$46,250.00



LOST REVENUE

\$10,175.00

\$10,175.00: Lost Tax Revenue

Per Fatal Shooting

\$1,463,369.58



Per Nonfatal Shooting

S656.821.00



1/3 of income = \$925.00

Total lost tax revenue = \$10,175.00

x 10 years = \$9.250.00

of revenue is lost.

Lost tax revenue for a 10-year sentence for attempted murder: \$925.00

If the shooting victim does not work for one year, an additional \$925.00

Notes

income =\$925.00

Total lost tax revenue = \$46.250.00

\$23,125.00

Lost tax revenue for a 25-year sentence for murder: \$925.00 x 25 years: =

If the shooting victim loses their life, an additional \$23,125.00 of revenue is lost.

5