



The Cost Per Shooting

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



DETROIT
MICHIGAN

NICJR
National Institute for
Criminal Justice Reform



Homicide Cost

Injury Shooting Cost

CRIME SCENE

\$5,525

CRIME SCENE

\$5,525

HOSPITAL

\$50,400

HOSPITAL

\$123,600

CRIMINAL JUSTICE

\$138,101

CRIMINAL JUSTICE

\$23,541

INCARCERATION

\$1,257,060

INCARCERATION

\$869,430

VICTIM SUPPORT

\$27,284

VICTIM SUPPORT

\$16,744

LOST REVENUE

\$147,030

LOST REVENUE

\$53,235

\$2,093 Police Response
\$2,500 Scene Cleanup
\$932 Fire/EMT Transport

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\$2,500 Scene Cleanup
\$932 Fire/EMT Transport

\$5,200 EMR/Trauma Center
\$45,200 Gunshot Surgery

\$5,200 EMR/Trauma Center
\$90,400 Gunshot Surgery
\$28,000 Rehabilitation

\$4,625 Police Investigation
\$126,744 DA & Public Defender
\$6,732 Court Process

\$4,625 Police Investigation
\$17,998 DA & Public Defender
\$918 Court Process

\$94,170 Pre-Trial Incarceration
\$1,162,890 Prison Placement

\$94,170 Pre-Trial Incarceration
\$775,260 Prison Placement

\$2,248 Corner's Office
\$5,500 Victim of Crimes
\$19,536 Receiving Social Service Benefits
(one year support for two families)

\$7,000 Victim of Crimes
\$9,744 Receiving Social Service Benefits (one year)

\$147,030 Sales Tax Revenue
(both suspect & murder victim)

\$53,235 Sales Tax Revenue

\$1.6M
Per **Homicide** Shooting
per **one suspect**

\$1.1M
Per **Injury** Shooting
per **one suspect**

★ **\$3M**
total cost based on two suspects
per **homicide** shooting

★ **\$2M**
total cost based on two suspects
per **injury** shooting



CRIME SCENE	Subject:	Police Response	Fire/EMT Transport	Scene Clean Up
	Source	<ul style="list-style-type: none"> Interview with retired Police Captain Wayne County Department of Personal/ Human General Schedule of Approved Pay Rates January 09, 2019 	<ul style="list-style-type: none"> Detroit Fire Department Website (EMS Responses): (Link) City of Detroit Budget: (Link) 	<ul style="list-style-type: none"> https://www.bioonedetroitwestmi.com http://www.911hazmatcleanup.com/landing-page/?gclid=EAlalQobChMlx5rytMPh4AIVIR6tBh2rngYpEAAYAiAAEgIFLfd_BwE#suicide
	Notes	Each response team to a shooting/homicide scene may consist of the following: Lieutenant & Sergeant (2hr), 3 Detectives (6hrs), 6-8 Patrol responding (2hrs), 2 Patrol locking down scene (4 hrs), 1-2 CSI, 1 Technician	Total Expenditures = \$97,131,134 Fire/EMS call responses = 38,784 Average cost per response = \$2,504	Average cost among competitive vendors to clean up crime scenes involving blood = \$2,500
HOSPITAL	Subject:	ER/ Surgery for Gun-Shot Victim		
	Source	<ul style="list-style-type: none"> Interview with Trauma Center employees. National Emergency Room Database:(Record of 30 million emergency department visits in 950 hospitals in the U.S.) Cost of Gun Violence: John Hopkins study of Emergency Room Admissions 		
	Notes	Average cost of gun-shot victims treated and release the same day = \$5200 (ER base Cost) Average cost of gun-shot victims requiring surgery and hospital stay = \$95,867 (Surgery Cost) 1/3 of gun-shot victims who required surgery were release to rehabilitation centers where average total medical bill = \$179,000 (ER cost, Surgery & Rehabilitation Cost) Formula for this study: (ER base cost + Surgery Cost + 1/3 Rehabilitation Cost) = \$123,600 per shooting victim requiring surgery. <ul style="list-style-type: none"> 1/2 of all homicide victims receive surgery before they die, so we use \$45,200 to represent half of all homicide victims. 		
CRIMINAL JUSTICE	Subject:	Police Investigation	DA & Public Defender	Court Process
	Source	<ul style="list-style-type: none"> Interview with retired Police Captain over homicide. Wayne County Department of Personal/ Human General Schedule of Approved Pay Rates January 09, 2019 	<ul style="list-style-type: none"> Estimates of Time Spent in Capital and Non-Capital Murder Cases (Link) Interview with Public Defenders Office Wayne County Dept of Personnel/Human General Schedule of Approved Pay Rates 	<ul style="list-style-type: none"> Survey of Judicial Salaries (Link) Interview with Court Executive Team member. Wayne County Dept of Personnel/Human General Schedule of Approved Pay Rates
	Notes	\$28 per hour (base hourly wage) x estimated 125 hours average investigation time= \$3,500 <ul style="list-style-type: none"> \$37 per hour (actual cost/hr) x estimated 125 hours (avg. investigation time) = \$4,625 	1087 hours to defend & prosecute a murder case x \$106 (DA \$56/hr + PD \$50/hr) = \$115,222 + 10% overhead = \$126,744 . To defend an attempted-murder case requires 1/7 of the time = \$17,998	Combined hourly rates of the following staff: Judge, Bailiff, Court Reporter, Clerk = \$153 per hour . \$153 x 44 hours (murder case) = \$6,732 \$153 x 6 hours (A felony) = \$918
INCARCERATION	Subject:	Pre-Trial Incarceration	State Prison (Attempted Murder)	State Prison (Murder Case)
	Source	<ul style="list-style-type: none"> VERA Institute of Justice: <i>The Price of Jails: Measuring the Taxpayer Cost of Local Incarceration</i> (LINK) 	<ul style="list-style-type: none"> The State House Fiscal Agency (Link) 	<ul style="list-style-type: none"> The State House Fiscal Agency (Link)
	Notes	<ul style="list-style-type: none"> Average Daily Cost Per Inmate: \$129 Average 2 year period of pre-trial incarceration in the county upon sentencing and placement into State Prison.\$129/day x 2 years = \$94,170	\$118/day to Incarcerate Adult in State Prison. Attempted murder cases serve an average of 20 years in State Prison, subtracting pre-trial 'time-served' in County Jail. (\$118/day x 18 years) = \$775,260	\$118/day to Incarcerate Adult in State Prison. Average inmate serves 29 years for murder, minus time served. (\$118/day x 27 years = \$1,162,890)
VICTIM SUPPORT	Subject:	Victim of Crimes	Social Service Assistance	Coroner's Office
	Source	<ul style="list-style-type: none"> Office for Victims of Crime Victim (Link) 	<ul style="list-style-type: none"> TANF: Eligibility and Benefit Amounts in State Cash Assistance Programs (Link) 	<ul style="list-style-type: none"> Wayne County Budget (LINK) Wayne County Medical Examiner (LINK)
	Notes	Homicide Victim: \$5000 for burial expenses \$500 for family grief counseling Total = \$5,500 Surviving Victim: \$350/wk loss wages (12 weeks) = \$4200 \$2800 for counseling. (Total = \$7000)	When victim is severely shot, many can't return to work immediately. Since victim may be a major financial contributor to the household, many families may need to apply for social services support. The estimate for this study is for 1 year of Social Service assistance. (\$814/ mo x 12 months) x 2 people = \$19,532	Orange County Medical Examiner annual budget is \$6,744,509. In 2018, their annual workload for autopsy examinations was 3000. This resulted in an average cost of \$2,248 per case.
LOSS REVENUE	Subject:	Loss Tax Revenue (One person going to jail)	Loss Tax Revenue (Murder: Loss Revenue for 2 people)	
	Source	<ul style="list-style-type: none"> 2018 Tax-Rates.org 	<ul style="list-style-type: none"> 2018 Tax-Rates.org 	
	Notes	Combined income tax= 6.65% (State 4.25%, City 2.4%). State Sales tax= 6% of purchases . If person earns 30k/year, then total income tax = \$1,995 . If 1/3 of income toward purchases = 6% of \$9,000 per year= \$540/yr Sales Tax (Combined tax = \$2,535) But if person has to serve a 20 years sentence for attempted murder, then (\$2,535 x 20 years) = \$50,700 of missed sales tax revenue . If shooting victim doesn't work for one year, then an additional \$2,535 of loss revenue is added. Total Loss Sales Tax Revenue = \$53,235	Combined income tax= 6.65% (State 4.25%, City 2.4%). State Sales tax= 6% of purchases . If person earns 30k/year, then total income tax = \$1,995 . If 1/3 of income goes toward purchases = 6% of \$9,000 per year= \$540/yr Sales Tax (Combined taxes = \$2,535) Average murder sentence is 29 years . But if a person has to serve a 29 years sentence and the victims is dead, then (\$2,535 x 29 years x 2 people), for a combined loss revenue of \$147,030 Total Loss Revenue for both suspect & murder victim = \$147,030	