

The background features a dark, cracked surface with a glowing blue city map overlay. In the bottom left corner, a portion of the American flag is visible, showing the stars and stripes. The title text is centered on the right side of the image.

# ACTIVE SHOOTER INCIDENTS IN THE UNITED STATES IN 2022

APRIL 2023

# Acknowledgments

This report was written by the Federal Bureau of Investigation (FBI) in collaboration with the Advanced Law Enforcement Rapid Response Training (ALERRT) Center at Texas State University.<sup>1</sup>

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## ALERRT

TEXAS STATE UNIVERSITY

The FBI and the ALERRT Center support the *Don't Name Them* campaign. This campaign encourages media, law enforcement, and public information officers to shift their focus from the perpetrators of active shooter incidents toward the victims, survivors, and heroes who stopped them, as well as the communities that come together to help in the healing process. To learn more, visit [donthamethem.org](https://donthamethem.org).

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<sup>1</sup> This report supplements the previous publications: Blair, J. Pete, and Schweit, Katherine W. *A Study of Active Shooter Incidents in the United States Between 2000 and 2013*, Texas State University and Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2014; *Active Shooter Incidents in the United States in 2014 and 2015*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2016; *Active Shooter Incidents in the United States in 2016 and 2017*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2018; *Active Shooter Incidents in the United States in 2018*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2019; *Active Shooter Incidents in the United States in 2019*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2020; *Active Shooter Incidents in the United States in 2020*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2021; and *Active Shooter Incidents in the United States in 2021*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2022.

# Executive Summary

In 2013, the president signed into law the Investigative Assistance for Violent Crimes Act of 2012, which led the FBI to examine active shooter incidents since 2000. The findings in this report are intended to provide an overview of active shooter incidents to help law enforcement, other first responders, and the public better understand the levels of threats associated with active shooter incidents.

In 2022, the FBI designated 50 shootings as active shooter incidents. Although incidents decreased by 18% from 2021 (61 incidents), the number of active shooter incidents increased by 66.7% compared to 2018 (30 incidents).

The 50 active shooter incidents in 2022 occurred in 25 states and the District of Columbia and represent seven location categories, including open spaces, commerce, residences, education, government, houses of worship, and a health care facility.

Additional active shooter incident key findings include the following:

- There were 313 casualties (100 killed and 213 wounded).
- One law enforcement officer was killed and 21 were wounded.
- In the incident with the highest number of casualties, seven were killed and 48 wounded.
- In nine incidents, there were zero casualties.
- Texas had the most incidents (six) followed by Arizona, Florida, Michigan, and New York, each with the second highest number of incidents (three).
- The month of May had the highest number of active shooter incidents (nine), with January and September tied with the least number of incidents (one).
- Active shooter incidents occurred on every day of the week, with Sunday having the highest number of incidents (12).
- Active shooter incidents were more likely to occur between 12:00 p.m. and 11:59 p.m.
- Thirteen incidents met the federal definition for a mass killing incident.
- Based on location, 46% of the incidents occurred in open spaces (23), followed by 28% in commerce (14), 8% in education and residences (four), 4% in houses of worship and government (two), and 2% in health care (one).
- There were 17 (34%) incidents that involved multiple locations (14 open spaces and three commerce).
- Of the 50 shooters, 47 (94%) were male, one was female, one was nonbinary, and one was unidentified.
- Shooters were between the ages of 15 and 70 years old.
- In 50 incidents, 61 firearms were used by shooters—29 handguns, 26 rifles, three shotguns, and three unknown.
- There were two incidents that involved snipers.
- Four shooters wore body armor.
- Twenty-nine shooters were apprehended by law enforcement, seven were killed by law enforcement, two were killed by armed citizens, nine committed suicide, and three remain at large.
- In 48% of the incidents, the shooter had a known connection to the location and/or at least one victim, whereas in 52% of incidents, there was no known connection identified.

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# ACTIVE SHOOTER INCIDENTS IN THE UNITED STATES IN 2022

## Introduction

The FBI designated 50 shootings<sup>2</sup> in 2022 as active shooter incidents.

The FBI defines an active shooter as one or more individuals actively engaged in killing or attempting to kill people in a populated area.<sup>3</sup> Implicit in this definition is the shooter's use of a firearm. The *active* aspect of the definition inherently implies the ongoing nature of an incident and thus the potential for a response to affect the outcome.

The FBI works proactively to identify incidents that meet the scope of this study, using internal FBI holdings and repositories, official law enforcement reports (when obtainable), and open-source data. However, there is no mandated database collection or central intake point for reporting active shooter incidents, as there is for other crimes.

Data cited in this report for active shooter incidents that occurred in 2022 is valid as of February 10, 2023; however, incident data from prior published reports was not updated. If additional incidents meeting FBI criteria are identified after the publication of this document, every effort will be made to factor those incidents into future reporting.

When evaluating shooting incidents to determine if they met the FBI's active shooter definition, researchers considered for inclusion:

- Shootings in public places
- Shootings occurring at more than one location
- Shootings where the shooter's actions were not the result of another criminal act

- Shootings resulting in a mass killing<sup>4</sup>
- Shootings indicating apparent spontaneity by the shooter
- Shootings where the shooter appeared to methodically search for potential victims
- Shootings that appeared focused on injury to people, not buildings or objects

This report does not encompass all gun-related incidents. A gun-related incident was excluded if research established it was the result of:

- Self-defense
- Gang violence
- Drug violence
- Contained residential or domestic disputes
- Controlled barricade/hostage situations
- Crossfire as a byproduct of another ongoing criminal act
- An action that appeared not to have put other people in peril

This methodology was first articulated in *A Study of Active Shooter Incidents in the United States Between 2000 and 2013* and was applied to the 2022 incidents for consistency.<sup>5</sup>

This report is part of a series of FBI active shooter-related products published since September 2014. These reports are not intended to explore all facets of active shooter incidents but rather intended to provide law enforcement officers, other first responders, corporations, educators, and the public with a baseline understanding of active shooter incidents.

<sup>2</sup> See pages 22–27 for incident summaries.

<sup>3</sup> U.S. federal government agencies define an active shooter as “an individual actively engaged in killing or attempting to kill people in a confined and populated area.” The FBI expands this definition to include more than one individual in an incident and omits the word *confined* as the term excludes incidents that occurred outside buildings.

<sup>4</sup> The federal definition of “mass killing” is “three or more killings in a single incident.” Derived from Investigative Assistance for Violent Crimes Act of 2012, 28 USC § 530C(b)(1)(M)(i). The statute does not address the inclusion or exclusion of the shooter. The FBI does not include the shooter in its mass killing statistics.

<sup>5</sup> Blair, J. Pete, and Schweit, Katherine W. *A Study of Active Shooter Incidents in the United States Between 2000 and 2013*, Texas State University and Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2014.

## By the Numbers: A Comparison of 2021 vs. 2022 Statistics

2021	2022	
61 in 30 states	50 in 25 states +DC*	Total Incidents
243 103 killed 140 wounded	313 100 killed 213 wounded	Casualties (Excluding Shooters)
2	1	Law Enforcement Officers Killed
5	21	Law Enforcement Officers Wounded
12	13	Met "Mass Killing" Definition
17	9	Incidents Where Law Enforcement Engaged Shooters
60 male 1 female	47 male 1 female 1 nonbinary 1 unidentified	Shooter Gender
2	4	Shooters Wore Body Armor
11	9	Shooters Committed Suicide
14	7	Shooters Killed by Law Enforcement
4	2	Shooters Killed by Citizen
30 1 at large	29** 3 at large	Shooters Apprehended by Law Enforcement

\* Two incidents occurred in two states.  
 \*\* Three shooters were restrained by citizens prior to law enforcement arrival.

Decreased metrics      Increased metrics

Figure 1

# Incident Statistics

## Active Shooter Incidents 2018–2022

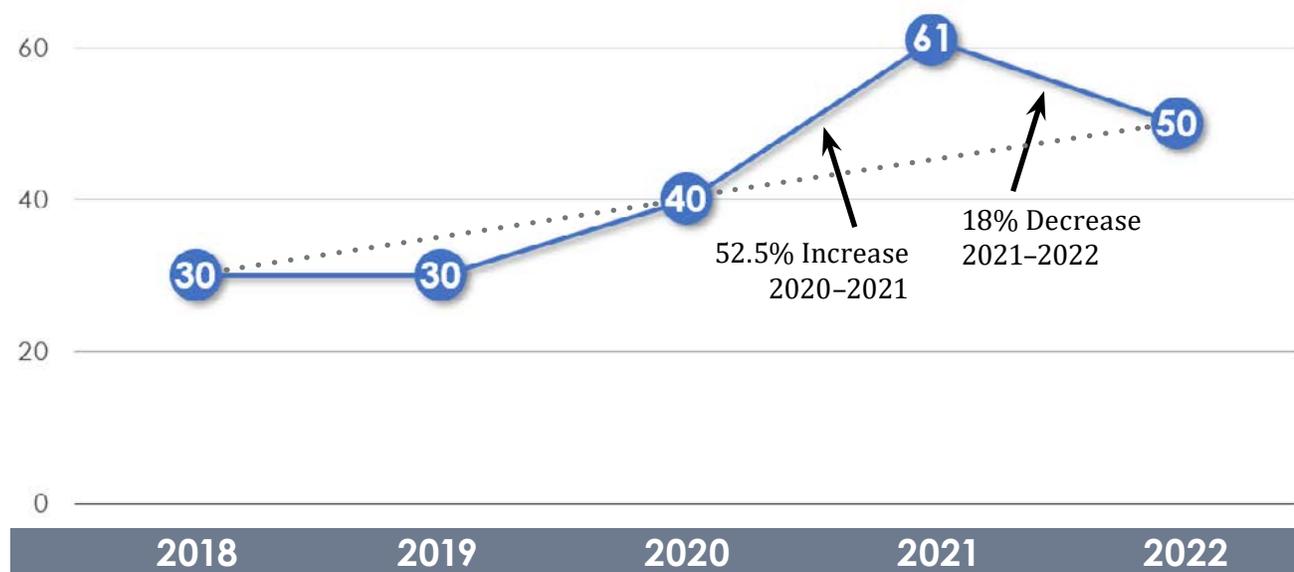


Figure 2

### Summary

The number of active shooter incidents in 2022 decreased by 18% from 2021, while also increasing by 66.7% when comparing 2018 to 2022. For the period 2018–2022, active shooter incident data shows an upward trend despite the decrease between 2021–2022.

Number of incidents within the five-year period 2018–2022:<sup>6</sup>

- 2018: **30**
- 2019: **30**
- 2020: **40**
- 2021: **61**
- 2022: **50**

<sup>6</sup> For additional details, see *Active Shooter Incidents 20-Year Review, 2000–2019*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2020; *Active Shooter Incidents in the United States in 2020*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2021; and *Active Shooter Incidents in the United States in 2021*, Federal Bureau of Investigation, U.S. Department of Justice, Washington, D.C. 2022.

## 2022 Active Shooter Incidents by Month

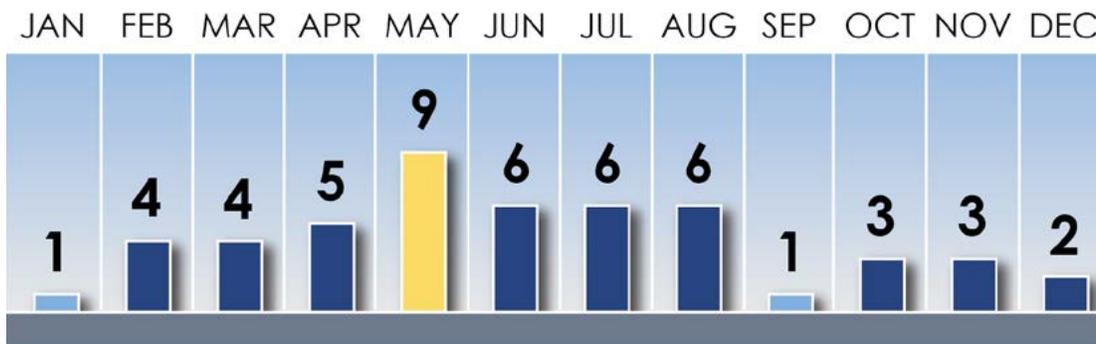


Figure 3

### Summary

May 2022 had the highest number of incidents (nine); January and September 2022 had the fewest number of incidents (one). When compared to 2021, May 2022 had the highest increase in incidents (from five to nine) and June 2022 had the greatest decrease in incidents (from 12 to six).

Number of incidents by month:

- January: 1
- February: 4
- March: 4
- April: 5
- May: 9
- June: 6
- July: 6
- August: 6
- September: 1
- October: 3
- November: 3
- December: 2

## 2022 Active Shooter Incidents by Day of the Week

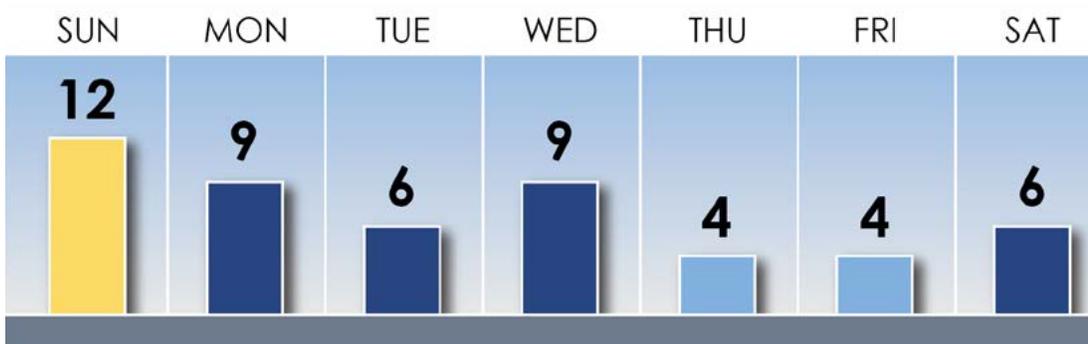


Figure 4

### Summary

Over the past two years (2021–2022), active shooter incidents occurred on every day of the week. When compared to 2021, in 2022, Sunday had the highest increase in incidents (from six to 12) and Saturday had the greatest decrease in incidents (from 14 to six). Thirty-two active shooter incidents (64%) occurred Monday through Friday.

Number of incidents by day of the week:

- Sunday: 12
- Monday: 9
- Tuesday: 6
- Wednesday: 9
- Thursday: 4
- Friday: 4
- Saturday: 6

## 2022 Active Shooter Incidents by Time of Day

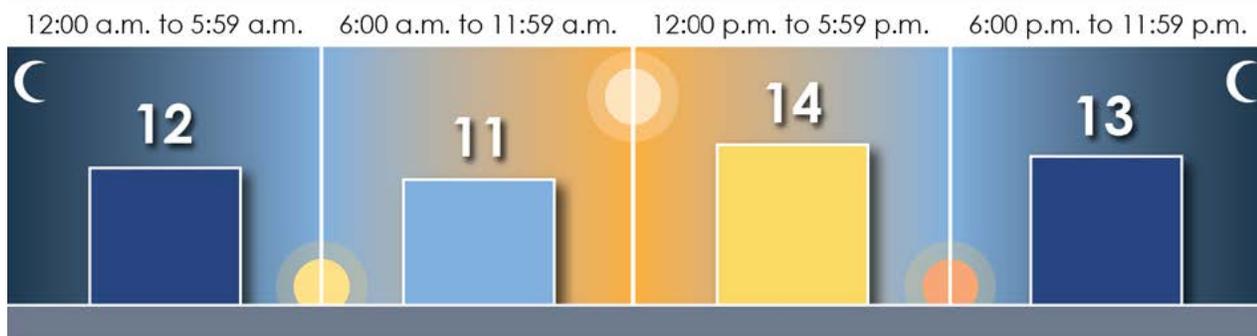


Figure 5

### Summary

Twenty-seven active shooter incidents (54%) in 2022 occurred during p.m. hours (between 12:00 p.m. and 11:59 p.m.), and 46% (23 incidents) occurred during a.m. hours (between 12:00 a.m. and 11:59 a.m.). Data showed that in 2021, active shooter incidents were more likely to occur between 6:00 a.m. and 5:59 p.m. (63.9%), compared to 2022, when 50% of incidents occurred during the same time period.

Number of incidents by local time:

- 12:00 a.m. to 5:59 a.m.: **12<sup>7, 8</sup>**
- 6:00 a.m. to 11:59 a.m.: **11**
- 12:00 p.m. to 5:59 p.m.: **14**
- 6:00 p.m. to 11:59 p.m.: **13**

<sup>7</sup> Two incidents overlap two separate time periods: Various Locations, Detroit, MI, and Various Locations, Interstate 85, AL/GA (12:00 a.m. to 5:59 a.m. and 6:00 p.m. to 11:59 p.m.). The incident times are accounted for when the incident began.

<sup>8</sup> There is one incident—Various Locations, Memphis, TN—spanning all four time periods, but the incident is accounted for in the 12:00 a.m. to 5:59 a.m. time period.

## 2022 Active Shooter Incidents by Location, Including Mass Killings



Figure 6

### Summary

The 50 active shooter incidents in 2022 occurred in 25 states<sup>9</sup> and the District of Columbia.

- Six incidents occurred in **Texas**.
- Three incidents each occurred in **Arizona, Florida, Michigan, and New York**.
- Two incidents each occurred in **Alabama,<sup>10</sup> Arkansas, California, Colorado, Georgia, Maryland,<sup>11</sup> Missouri, North Carolina,**

**Oklahoma, Pennsylvania, and South Carolina.**

- One incident each occurred in **Illinois, Indiana, New Mexico, Ohio, Oregon, Tennessee, Virginia, West Virginia, Wisconsin, and Washington, D.C.**

Thirteen<sup>12</sup> of the 50 incidents met the criteria cited in the federal definition of mass killing (three or more killings in a single incident).

<sup>9</sup> Two incidents occurred in two states: incident number 30 (Various Locations, Germantown, MD, and Tysons, VA) and incident number 37 (Various Locations, Interstate 85, AL/GA). When an incident occurred in two or more states, it was counted only once (in the state where the FBI identified that the public was most at risk).

<sup>10</sup> One of the two incidents occurred in multiple states—see incident number 37.

<sup>11</sup> One of the two incidents occurred in multiple states—see incident number 30.

<sup>12</sup> Central Avenue, Highland Park, IL; Club Q, Colorado Springs, CO; Columbia Machine Inc., Smithsburg, MD; Greenwood Park Mall, Greenwood, IN; Neuse River Greenway, Raleigh, NC; Robb Elementary School, Uvalde, TX; Saint Francis Hospital, Tulsa, OK; Saint Stephen's Episcopal Church, Vestavia Hills, AL; Tops Friendly Markets, Buffalo, NY; Residential Location, Houston, TX; Various Locations, Detroit, MI; Various Locations, Memphis, TN; and Walmart #1841, Chesapeake, VA.

## 2022 Active Shooter Locations with Five Highest Casualty Counts



Figure 7

### Summary

The 50 active shooter incidents resulted in 313 casualties (100 killed and 213 wounded,<sup>13</sup> excluding the shooters). The incidents with the highest number of casualties occurred on Central Avenue, Highland Park, IL, and at Robb Elementary School, Uvalde, TX.

Incident locations with the five highest<sup>14</sup> casualty counts:

- Central Avenue, Highland Park, IL: seven killed and 48 wounded (**total: 55**)

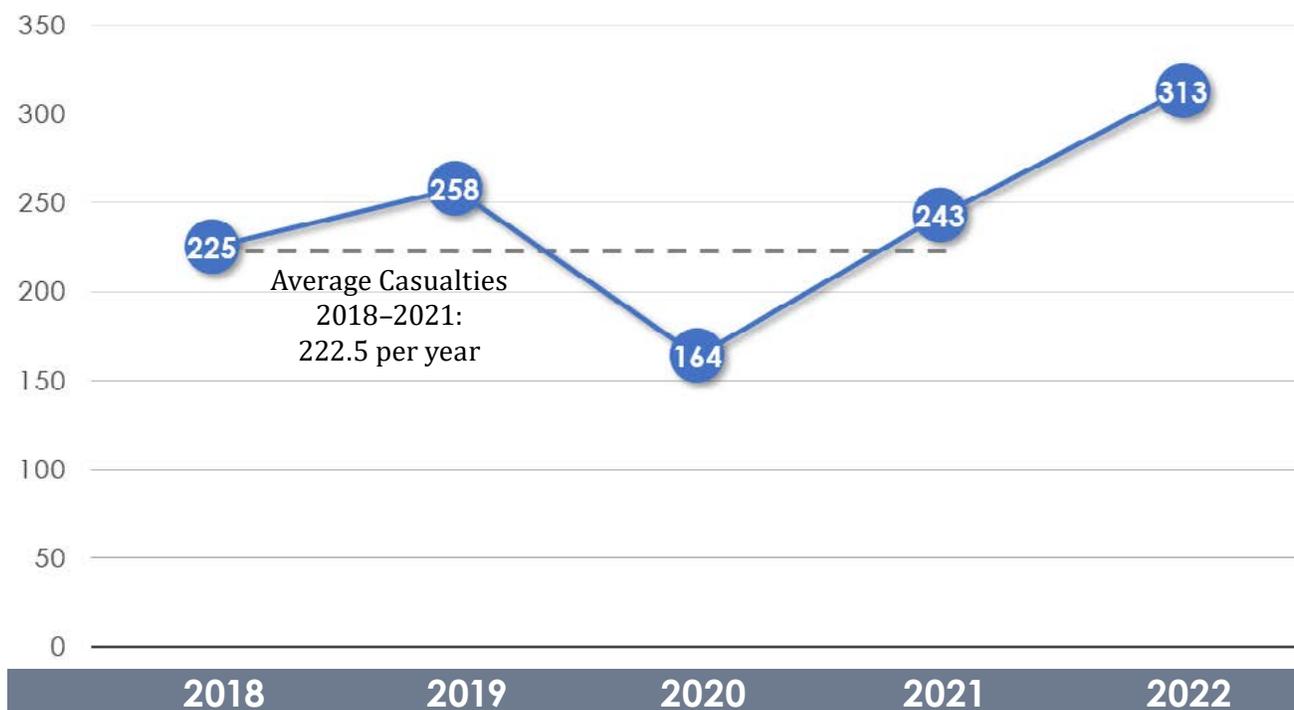
- Robb Elementary School, Uvalde, TX: 21 killed and 17 wounded (**total: 38**)
- Club Q, Colorado Springs, CO: five killed and 28 wounded (**total: 33**)
- 36<sup>th</sup> Street Station, Brooklyn, NY: zero killed and 23 wounded<sup>15</sup> (**total: 23**)
- Tops Friendly Markets, Buffalo, NY: 10 killed and three wounded (**total: 13**)

13 A number of those identified as wounded were not injured by gunfire but suffered injuries incidental to the shooting, such as being hit by flying objects/shattered glass or falling while running. For purposes of this study, the FBI sought to isolate the exact number of individuals who fit into this category when research permitted.

14 The five highest casualty incidents account for 51.8% of casualties in 2022.

15 Twenty-three people were wounded: 10 by gunfire and 13 by incidental injuries.

## Active Shooter Incidents 2018–2022 Casualties



**Figure 8**

### Summary

The casualty count for 2022 (313) was the highest in the last five years.<sup>16</sup> There was a casualty count increase of 28.8% compared to 2021 (243), which was above the average for the years 2018–2021 (222.5).

Number of casualties for the years 2018–2022:

- 2018: **225**
- 2019: **258**
- 2020: **164**
- 2021: **243**
- 2022: **313**

<sup>16</sup> In 2022, there were nine incidents where no casualties were reported—County Road C, Oakland, WI; Duncanville Fieldhouse, Duncanville, TX; Interstate 71, Columbus, OH; Residential Location, Florissant, CO; Residential Location, Shannon Hills, AR; Residential Location, Atlanta, GA; Frisbee Street and Telegraph Road, Detroit, MI; Various Locations, Germantown, MD, and Tysons, VA; and Vista View Apartments, Charleston, WV.

## Active Shooter Incidents 2018–2022 Killed and Wounded

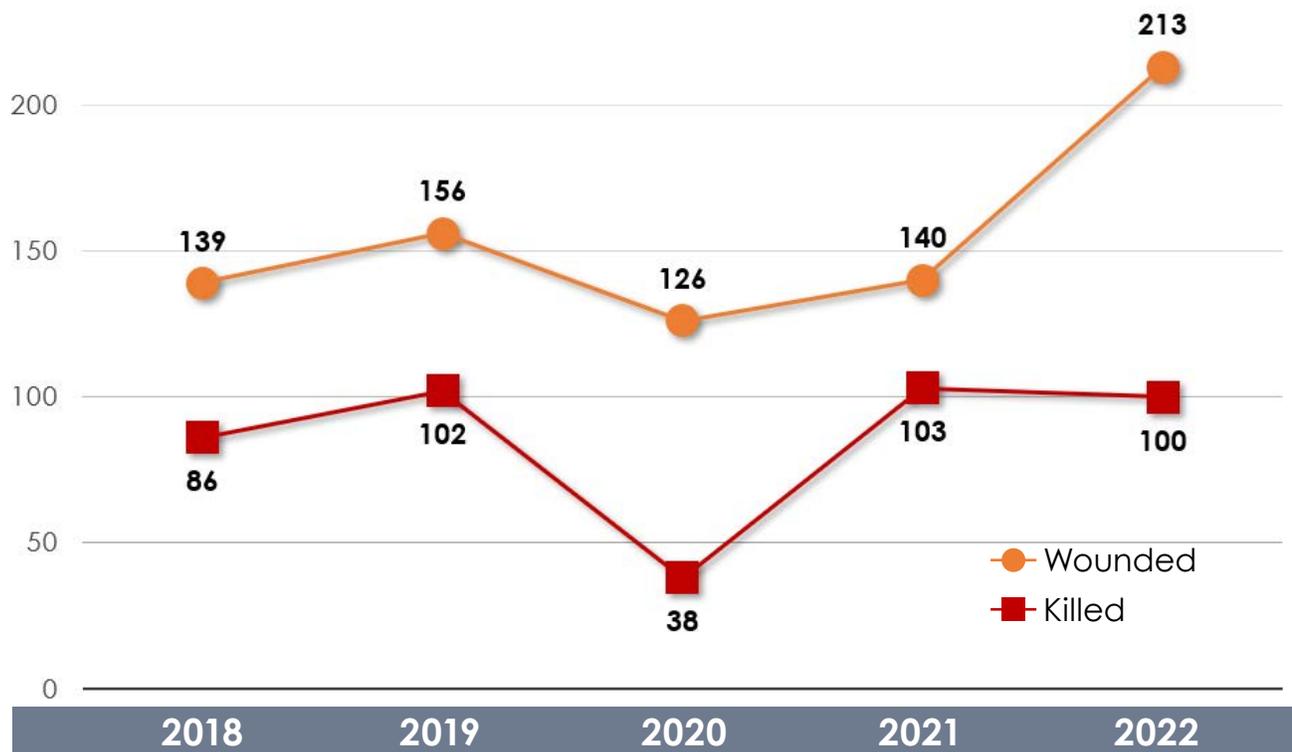


Figure 9

### Summary

In 2022, there was a 2.9% decline from 2021 in the number killed (100), but the number remains above the average (82.25) for the years 2018–2021. In 2022, there was a 52.1% increase in the number of wounded compared to 2021, the highest in five years. In 2022, the number of wounded (213) is above the average (140.25) for the years 2018–2021.

The highest number of deaths from a single active shooter incident occurred at Robb Elementary School, Uvalde, TX (21). The second highest number of deaths occurred at Tops Friendly Markets, Buffalo, NY (10). The highest number of wounded

from a single active shooter incident occurred at Central Avenue and 2nd Street, Highland Park, IL (48). The second highest number of wounded occurred at Club Q, Colorado Springs, CO (28).

Number of people killed and wounded for the 2018–2022 period:

- 2018: **86** killed, **139** wounded
- 2019: **102** killed, **156** wounded
- 2020: **38** killed, **126** wounded
- 2021: **103** killed, **140** wounded
- 2022: **100** killed, **213** wounded

## Law Enforcement Engagement

There were nine incidents when law enforcement officers engaged in gunfire with the shooter. In five of the incidents, 16 officers sustained injuries.<sup>17</sup>

- At a residence, nine law enforcement officers were wounded—five by gunfire and four sustained shrapnel wounds.<sup>18</sup>
- At an elementary school, three law enforcement officers sustained injuries.<sup>19</sup>
- At a hotel, two law enforcement officers were wounded.<sup>20</sup>
- While initiating a traffic stop, a law enforcement officer was wounded.<sup>21</sup>
- In an open field, a law enforcement officer was wounded.<sup>22</sup>

## Security Personnel Engagement

In one incident, an armed security officer (retired law enforcement officer) was killed during an exchange of gunfire with the shooter.<sup>23</sup>

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17 Central Visual and Performing Arts High School, St. Louis, MO; Columbia Machine Inc., Smithsburg, MD; Days Inn Hotel, Phoenix, AZ; Duncanville Fieldhouse, Duncanville, TX; Interstate 71, Columbus, OH; Neuse River Greenway, Raleigh, NC; Robb Elementary School, Uvalde, TX; Residential Location, Phoenix, AZ; and Various Locations, Round Rock, TX.

18 Residential Location, Phoenix, AZ.

19 Robb Elementary School, Uvalde, TX.

20 Days Inn Hotel, Phoenix, AZ.

21 Columbia Machine Inc., Smithsburg, MD.

22 Neuse River Greenway, Raleigh, NC.

23 Tops Friendly Markets, Buffalo, NY.

# Citizen Involvement

## Summary

In eight (16%) incidents, citizen intervention and/or confrontation of the shooter resulted in the end of the incident.<sup>24</sup>

- In one incident, a county transit bus driver, after hearing gunfire inside the bus, drove to the police department parking lot where the shooter was apprehended by law enforcement.<sup>25</sup>
- In one incident, citizens restrained the shooter and confiscated two weapons prior to law enforcement arrival.<sup>26</sup>
- In one incident, an armed bystander engaged the shooter, killing him, after the shooter fired into a crowd attending a party outside an apartment complex.<sup>27</sup>
- In one incident, an unarmed citizen subdued the shooter who began firing during a church dinner. The shooter was restrained until law enforcement arrived.<sup>28</sup>
- In one incident, an armed citizen killed the shooter as he began firing in a mall food court.<sup>29</sup>
- In one incident, an employee armed with a knife confronted and attempted to disarm the shooter. The employee was killed at the scene. The shooter died from a self-inflicted gunshot wound after the arrival of law enforcement.<sup>30</sup>
- In one incident, an armed citizen fired at the shooter after witnessing his neighbor being shot. The shooter fled and was later arrested by law enforcement.<sup>31</sup>
- In one incident, unarmed citizens subdued and disarmed the shooter as he fired at nightclub patrons. The shooter was restrained until law enforcement arrived.<sup>32</sup>

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24 Club Q, Colorado Springs, CO; Forum Shopping Center/Safeway, Bend, OR; Geneva Presbyterian Church, Laguna Woods, CA; Greenwood Park Mall, Greenwood, IN; Saint Stephen's Episcopal Church, Vestavia Hills, AL; Various Locations, Detroit, MI; Vista View Apartments, Charleston, WV; and Broward County Transit Bus, Fort Lauderdale, FL.

25 Broward County Transit Bus, Fort Lauderdale, FL.

26 Geneva Presbyterian Church, Laguna Woods, CA.

27 Vista View Apartments, Charleston, WV.

28 Saint Stephen's Episcopal Church, Vestavia Hills, AL.

29 Greenwood Park Mall, Greenwood, IN.

30 Forum Shopping Center/Safeway, Bend, OR.

31 Various Locations, Detroit, MI.

32 Club Q, Colorado Springs, CO.

# Locations



Figure 10

## Summary

In *A Study of Active Shooter Incidents in the United States Between 2000 and 2013*, the FBI identified seven location categories where the public was most at risk.<sup>33</sup> The FBI further breaks down individual categories, such as commerce open or closed to pedestrians, military or other government properties, and education by grade level.

In 2022, the 50 active shooter incidents occurred in seven location categories including **open space**, **commerce**, **residence**, **education**, **government**, **house of worship**, and **health care**. In 17 incidents (34%), the shooter fired weapons in multiple locations (**open space** and **commerce**). The following is a breakdown of incidents by locations.



Twenty-three<sup>34</sup> of the 50 incidents occurred in **open space** locations, resulting in 29 people killed (including one law enforcement officer)<sup>35</sup> and 76 people wounded (including six law enforcement officers).

- Of the 23 shooters, five shooters were apprehended by law enforcement at the scene, and 11 shooters were apprehended by law enforcement at another location. Four shooters were killed at the scene—three by law enforcement and one by an armed citizen. One shooter committed suicide at another location before law enforcement arrived, and one shooter committed suicide after law enforcement arrived at the scene. At the time of this report, one shooter remains at large.

33 In *A Study of Active Shooter Incidents in the United States Between 2000 and 2013*, the FBI identified 11 locations where the public was most at risk during an incident. These locations include commercial areas (divided into businesses open to pedestrian traffic, businesses closed to pedestrian traffic, and malls), education environments (divided into schools [pre-kindergarten through 12th grade] and institutions of higher learning), open spaces, government properties (divided into military and other government properties), residences, houses of worship, and health care facilities. In 2018, the FBI identified an additional location category, “other,” to capture incidents that occurred in venues other than the 11 previously identified locations.

34 Central Avenue and 2nd Street, Highland Park, IL; County Road C, Oakland, WI; Days Inn Hotel, Phoenix, AZ; Interstate 10, Avondale, AZ; Interstate 71, Columbus, OH; Neuse River Greenway, Raleigh, NC; Old River Road, Florence, SC; Residential Location, Shannon Hills, AR; Residential Location, Albuquerque, NM; Residential Location, Atlanta, GA; Frisbee Street and Telegraph Road, Detroit, MI; Various Locations, Philadelphia, PA; Various Locations, Detroit, MI; Various Locations, Ellisville, MO; Various Locations, Germantown, MD, and Tysons, VA; Various Locations, Interstate 85, AL/GA; Various Locations, Kinston, NC; Various Locations, Lancaster, PA; Various Locations, Memphis, TN; Various Locations, Oklahoma City, OK; Various Locations, Round Rock, TX; Various Locations, Baytown, TX; and Vista View Apartments, Charleston, WV.

35 Neuse River Greenway, Raleigh, NC—the law enforcement officer was off-duty at the time of the incident.

- In 14 incidents, the shooter fired weapon(s) in multiple locations.<sup>36</sup>
- In two incidents, two shooters wore body armor.<sup>37</sup>
- There were seven incidents in which no casualties were reported.

 Fourteen<sup>38</sup> of the 50 incidents occurred in areas of **commerce**, resulting in 32 killed (including 10 employees) and 60 wounded (including 12 employees and three law enforcement officers).

Twelve incidents occurred in **commerce** environments **open to pedestrian traffic**, resulting in 28 killed (including six employees and one security officer). Fifty-seven were wounded (including 10 employees, two law enforcement officers, and one security officer).

- Of those 12 shooters, six shooters were apprehended by law enforcement (one at the scene, four at another location, and one apprehended by law enforcement after being restrained by citizens at the scene). One shooter was killed by law enforcement at the scene and one shooter was killed by an armed citizen at the scene. One shooter committed suicide before law enforcement arrived at the scene, one shooter committed suicide after law enforcement arrived after being confronted by a citizen

at the scene. At the time of this report, two shooters remain at large.

- In two incidents, two shooters wore body armor.<sup>39</sup>
- In three incidents, the shooter fired weapon(s) in multiple locations.<sup>40</sup>
- There was one incident in which no casualties were reported.

Two<sup>41</sup> incidents occurred in **commerce** environments **closed to pedestrian traffic**, resulting in four killed (all employees). Three were wounded (including two employees and one law enforcement officer).

- Of the two shooters, one shooter was apprehended by law enforcement at another location, and one shooter committed suicide before law enforcement arrived at the scene.

 Four<sup>42</sup> of the 50 incidents occurred at **education** locations, resulting in 23 killed (including 20 students and three employees) and 29 wounded (including 19 students, four employees, three law enforcement officers, and three others).

- Two shooters were killed by law enforcement at the scene; one shooter was apprehended by law enforcement at another location. One shooter committed suicide at the scene after law enforcement arrived.

36 Interstate 10, Avondale, AZ; Interstate 71, Columbus, OH; Neuse River Greenway, Raleigh, NC; Various Locations, Philadelphia, PA; Various Locations, Detroit, MI; Various Locations, Ellisville, MO; Various Locations, Germantown, MD and Tysons, VA; Various Locations, Interstate 85 AL/GA; Various Locations, Kinston, NC; Various Locations, Lancaster, PA; Various Locations, Memphis, TN; Various Locations, Oklahoma City, OK; Various Locations, Round Rock, TX; and Various Locations, Baytown, TX.

37 Days Inn Hotel, Phoenix, AZ, and Various Locations, Round Rock, TX.

38 Club Q, Colorado Springs, CO; Columbia Machine Inc., Smithsburg, MD; Duncanville Fieldhouse, Duncanville, TX; Forum Shopping Center/Safeway, Bend, OR; Frankische Plant, Anderson, SC; Greenwood Park Mall, Greenwood, IN; Hair World Salon, Dallas, TX; Oroville Dam and Feather River Boulevards, Oroville, CA; Players Sports Bar & Grill, Fort Lauderdale, FL; Showtime Bar and Lounge, Queens, NY; Tops Friendly Markets, Buffalo, NY; Various Locations, Little Rock, AR; Various Locations, Orlando, FL; and Walmart #1841, Chesapeake, VA.

39 Club Q, Colorado Springs, CO, and Tops Friendly Markets, Buffalo, NY.

40 Forum Shopping Center/Safeway, Bend, OR; Various Locations, Little Rock, AR; and Various Locations, Orlando, FL.

41 Columbia Machine Inc., Smithsburg, MD, and Frankische Plant, Anderson, SC.

42 Central Visual and Performing Arts High School, St. Louis, MO; Edmund Burke School, Washington, D.C.; Robb Elementary School, Uvalde, TX; and Gwinnett County School Bus, Suwanee, GA.



Four<sup>43</sup> of the 50 incidents occurred at **residence** locations, resulting in six killed and 18 wounded (including nine law enforcement officers).<sup>44</sup>

- Of the four shooters, one shooter was apprehended by law enforcement at the scene, one shooter was killed by law enforcement at the scene, one shooter committed suicide after an exchange of gunfire with law enforcement at the scene, and one shooter committed suicide after law enforcement arrived at the scene.
- There was one incident in which no casualties were reported.



Two<sup>45</sup> of the 50 incidents occurred on **government** property locations, resulting in two killed and 25 wounded.<sup>46</sup>

- Of the two shooters, one was apprehended by law enforcement at the scene, and one was

apprehended by law enforcement at another location.



Two<sup>47</sup> of the 50 incidents occurred at **house of worship** locations, resulting in four killed and five wounded.

- In both incidents, the shooter was apprehended by law enforcement after being restrained by citizens at the scene.<sup>48</sup>



One<sup>49</sup> of the 50 incidents occurred at a **health care** location, resulting in four killed (including three employees) and zero wounded.

- The shooter committed suicide after the arrival of law enforcement at the scene.



None of the 50 incidents occurred in the **other** location category during 2022.

43 Residential Location, Florissant, CO; Residential Location, Phoenix, AZ; Residential Location, Houston, TX; and Residential Location, Detroit, MI.

44 Residential Location, Phoenix, AZ.

45 Broward County Transit Bus, Fort Lauderdale, FL, and 36<sup>th</sup> Street Station, Brooklyn, NY.

46 36<sup>th</sup> Street Station, Brooklyn, NY—23 people were wounded, 10 by gunfire—13 of the wounded were not injured by gunfire but suffered injuries incidental to the shooting.

47 Geneva Presbyterian Church, Laguna Woods, CA, and Saint Stephen's Episcopal Church, Vestavia Hills, AL.

48 Geneva Presbyterian Church—the shooter was restrained by citizens prior to law enforcement arrival. Saint Stephen's Episcopal Church—the shooter was restrained by one citizen prior to law enforcement arrival.

49 Saint Francis Hospital, Tulsa, OK.

# The Shooters

Fifty shooters<sup>50</sup> carried out 50 active shooter incidents. Forty-seven shooters were male, one female, one nonbinary,<sup>51</sup> and one unidentified. The youngest shooter was 15 years old,<sup>52</sup> and the oldest was 70 years old.<sup>53</sup> Four shooters wore body armor.<sup>54</sup> Two shooters had destructive devices.<sup>55</sup>

Twenty-nine of the shooters were apprehended by law enforcement (11 at the scene<sup>56</sup> and 18 at another location). Seven shooters were killed by

law enforcement. Two shooters were killed by armed citizens at the scene. Nine shooters committed suicide—three before law enforcement arrived (two at the scene and one at another location), four at the scene after law enforcement arrived, one after an exchange of gunfire with law enforcement at the scene, and one at the scene after being confronted by a citizen after law enforcement arrived.<sup>57</sup> Three shooters remain at large.<sup>58</sup>

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50 Players Sports Bar & Grill, Fort Lauderdale, FL—the unidentified shooter(s) remains at large. The FBI cannot verify if the incident involved more than one shooter; however, one shooter was factored into the number of shooters for this incident for the purposes of this report.

51 The shooter's attorneys reportedly stated the suspect identified as nonbinary.

52 Neuse River Greenway, Raleigh, NC.

53 Saint Stephen's Episcopal Church, Vestavia Hills, AL.

54 Club Q, Colorado Springs, CO; Days Inn Hotel, Phoenix, AZ; Tops Friendly Markets, Buffalo, NY; and Various Locations, Round Rock, TX.

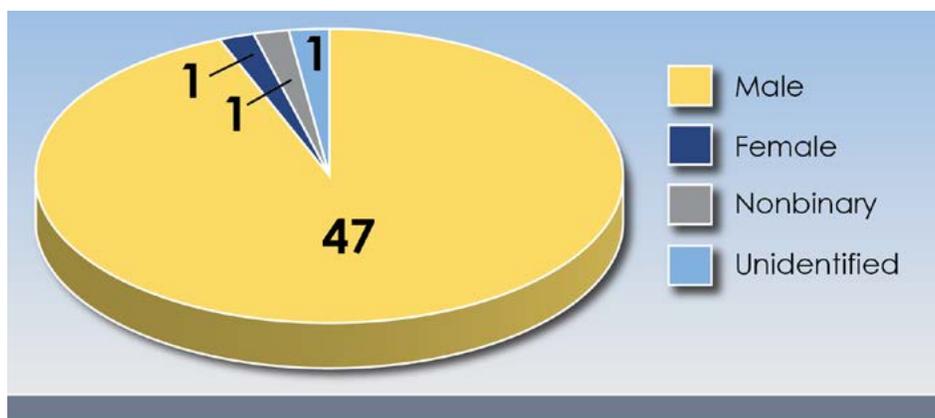
55 Geneva Presbyterian Church, Laguna Woods, CA (subject had four Molotov cocktails) and Days Inn Hotel, Phoenix, AZ (subject had several Molotov cocktails).

56 In one incident, the shooter was apprehended by law enforcement at the scene after being restrained by a citizen. In two incidents, the shooter was apprehended by law enforcement at the scene after being restrained by citizens.

57 Days Inn Hotel, Phoenix, AZ; Edmund Burke School, Washington, D.C.; Forum Shopping Center/Safeway, Bend, OR; Frankische Plant, Anderson, SC; Saint Francis Hospital, Tulsa, OK; Residential Location, Florissant, CO; Residential Location, Phoenix, AZ; Various Locations, Lancaster, PA; and Walmart #1841, Chesapeake, VA.

58 Players Sports Bar & Grill, Fort Lauderdale, FL; Showtime Bar and Lounge, Queens, NY; and Frisbee Street and Telegraph Road, Detroit, MI.

## 2022 Active Shooters by Gender



### Summary

Number of shooters by gender:<sup>59</sup>

- Male: 47<sup>60</sup>
- Female: 1
- Nonbinary: 1<sup>61</sup>
- Unidentified: 1<sup>62</sup>

Figure 11

## 2022 Active Shooters by Age Group Compared to 2021

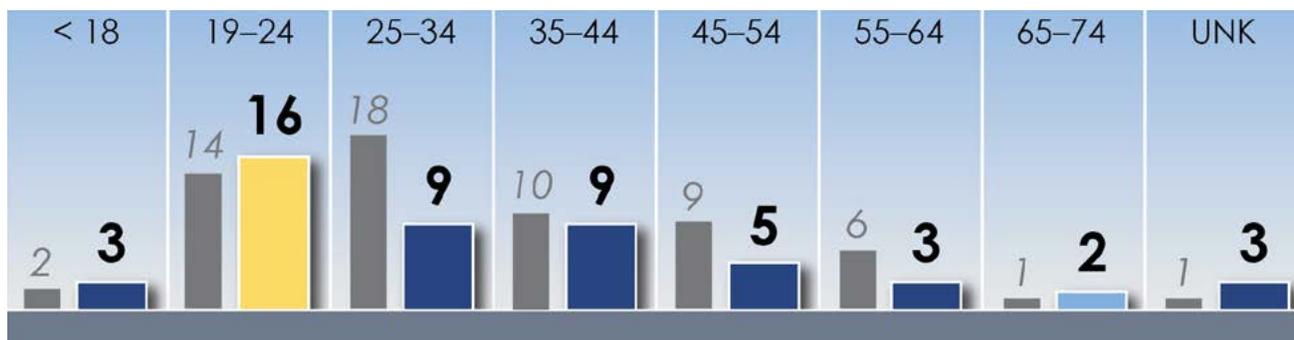


Figure 12

Figures in gray/italic represent 2021 statistics

### Summary

In 2022, the predominant age group was 19–24 for active shooters (16). The 25–34 age group saw a decrease in the number of shooters from 18 in 2021 to nine in 2022.

Number of shooters by age group:

- 18 and younger: 3
- 19–24: 16
- 25–34: 9
- 35–44: 9
- 45–54: 5
- 55–64: 3
- 65–74: 2
- Unknown: 3

<sup>59</sup> A shooter's gender is categorized by the shooter's gender identity at the time of the incident.

<sup>60</sup> In two incidents, the shooters are at large but were identified as male; however, the names of the shooters remain unknown (Showtime Bar and Lounge, Queens, NY, and Frisbee Street and Telegraph Road, Detroit, MI).

<sup>61</sup> Club Q, Colorado Springs, CO—the shooter's attorneys reportedly stated the suspect identified as nonbinary.

<sup>62</sup> Players Sports Bar & Grill, Fort Lauderdale, FL—the unidentified shooter(s) remains at large. The FBI cannot verify if the incident involved more than one shooter; however, one shooter was factored into the number of shooters for this incident for the purposes of this report.

## 2022 Active Shooters by Incident Resolution

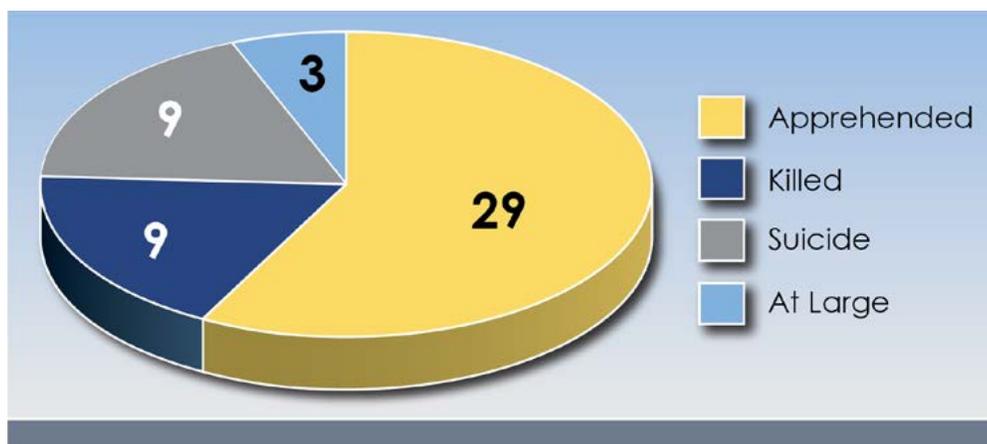


Figure 13

### Summary

Incident resolutions for active shooters:

- Apprehended: 29<sup>63</sup>
- Killed: 9<sup>64</sup>
- Suicide: 9
- At large: 3<sup>65</sup>

## 2022 Active Shooters' Connection

### Summary

In 24 incidents (48%), the shooter had a known connection to the location and/or at least one victim, whereas in 26 incidents (52%), there was no known connection identified.

Shooters' known connections included:<sup>66</sup>

- Current employee<sup>67</sup>
- Former employee<sup>68</sup>

- Neighbor/resident<sup>69</sup>
- Former student<sup>70</sup>
- Parishioner<sup>71</sup>
- Patient<sup>72</sup>
- Acquaintance<sup>73</sup>

63 Three shooters were restrained by citizens prior to law enforcement arrival: Club Q, Colorado Springs, CO; Geneva Presbyterian Church, Laguna Woods, CA; and Saint Stephen's Episcopal Church, Vestavia Hills, AL.

64 Seven shooters were killed by law enforcement and two were killed by an armed citizen.

65 Players Sports Bar & Grill, Fort Lauderdale, FL; Showtime Bar and Lounge, Queens, NY; and Frisbee Street and Telegraph Road, Detroit, MI.

66 The FBI determines active shooter location categories based on where the public was most at risk during an incident; therefore, the shooters' connection to the location and/or victims may be different from their assigned location category.

67 Columbia Machine Inc., Smithsburg, MD and Walmart #1841, Chesapeake, VA.

68 Forum Shopping Center/Safeway, Bend, OR, and Frankische Plant, Anderson, SC.

69 County Road C, Oakland, WI; Old River Road, Florence, SC; Neuse River Greenway, Raleigh, NC; Residential Location, Florissant, CO; Residential Location, Phoenix, AZ; Residential Location, Houston, TX; Residential Location, Detroit, MI; Residential Location, Albuquerque, NM; Residential Location, Atlanta, GA; Gwinnett County School Bus, Suwanee, GA; Various Locations, Lancaster, PA; Various Locations, Philadelphia, PA; Various Locations, Round Rock, TX; and Various Locations, Baytown, TX.

70 Central Visual and Performing Arts High School, St. Louis, MO, and Robb Elementary School, Uvalde, TX.

71 Saint Stephen's Episcopal Church, Vestavia Hills, AL.

72 Saint Francis Hospital, Tulsa, OK.

73 Various Locations, Memphis, TN, and Various Locations, Oklahoma City, OK.

## 2022 Firearms Used by Active Shooters

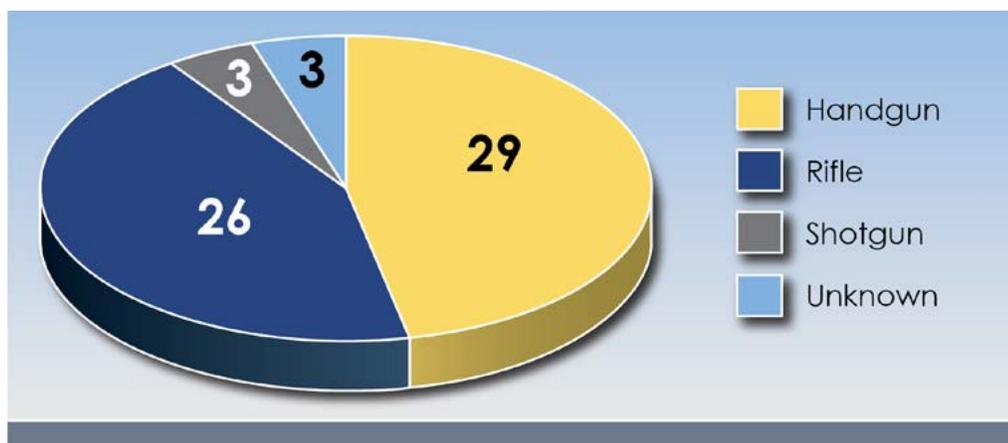


Figure 14

### Summary

In 50 active shooter incidents, 61 firearms<sup>74</sup> were used by shooters:

- Handguns: **29**
- Rifles: **26**
- Shotguns: **3**
- Unknown: **3**

Types of firearms used by shooters in an incident:

- A handgun was used in 21 incidents.<sup>75 76</sup>
- A rifle was used in 17 incidents.
- A handgun and rifle were used in six incidents.
- A shotgun was used in three incidents.<sup>77</sup>
- An unspecified firearm(s) was used in three incidents.<sup>78</sup>
- The shooter used multiple firearms in nine incidents.<sup>79</sup>

74 The FBI sought to identify the number of firearms used by the shooter during the incident; however, the chart does not reflect the overall number of firearms available to the shooter in an incident (multiple handguns, multiple rifles, etc.). Refer to the incident summaries for the firearms used by the shooter during the incident.

75 Six incidents included a handgun along with another firearm—two handguns and a rifle (Residential Location, Albuquerque, NM); handgun and rifle (Club Q, Colorado Springs, CO; Saint Francis Hospital, Tulsa, OK; Residential Location, Florissant, CO; and Residential Location, Phoenix, AZ); and handgun and two rifles (Edmund Burke School, Washington, D.C.).

76 Two incidents account for four handguns—two handguns (Residential Location, Atlanta, GA) and two handguns and a rifle (Residential Location, Albuquerque, NM).

77 Neuse River Greenway, Raleigh, NC; Residential Location, Houston, TX; and Residential Location, Detroit, MI.

78 The FBI was unable to determine the specific firearm: Showtime Bar and Lounge, Queens, NY; Gwinnett County School Bus, Suwanee, GA; and Various Locations, Kinston, NC.

79 Club Q, Colorado Springs, CO; Edmund Burke School, Washington, D.C.; Saint Francis Hospital, Tulsa, OK; Residential Location, Florissant, CO; Residential Location, Phoenix, AZ; Residential Location, Albuquerque, NM; Residential Location, Detroit, MI; Residential Location, Atlanta, GA; and Various Locations, Germantown, MD, and Tysons, VA.

## Recap and Analysis

In 2022, the FBI designated 50 shootings as active shooter incidents. In 2022, active shooter incidents decreased by 18% compared to 2021 (61). For the first time in five years, the number of incidents decreased from the previous year.

The 50 active shooter incidents occurred in 25 states and the District of Columbia. The highest number occurred in Texas (six), and the second highest number occurred in Arizona, Florida, Michigan, and New York (three each). May 2022 had the most active shooter incidents (nine), and January and September 2022 tied for the least (one).<sup>80</sup> Similar to 2021, active shooter incidents occurred every day of the week. In 2022, Sunday had the highest number of active shooter incidents (12),<sup>81</sup> and incidents were more likely to occur between 12:00 p.m. and 11:59 p.m.<sup>82</sup>

The casualties in 2022 (313) were the highest count in the last five years (2018–2022). The incident with the highest number of casualties (seven killed and 48 wounded) occurred at Central Avenue, Highland Park, IL. The second highest number of casualties (21 killed and 17 wounded)

occurred at Robb Elementary School, Uvalde, TX. In 2022, there was a decline in number of deaths (100) from 2021, but the number remains above the average (82.25) for the period 2018–2021. The number of wounded in 2022 (213) was the highest in five years and is above the average (140.25) for the period 2018–2021. In 2022, 13 incidents met the federal definition of mass killings (three or more killings in a single incident) and is above the average (10) for the period 2018–2021.<sup>83</sup>

For 2022, of the 50 shooters: 47 were male, one female, one nonbinary,<sup>84</sup> and one unidentified.<sup>85</sup> The age of shooters ranged from 15 to 70 years old. In 50 incidents, 61 firearms were used by shooters—29 handguns, 26 rifles, three shotguns, and three unknown. Four shooters wore body armor.<sup>86</sup> Twenty-nine shooters were apprehended by law enforcement, seven shooters were killed by law enforcement, and two shooters were killed by armed citizens.<sup>87</sup> Nine shooters committed suicide and three shooters remain at large.<sup>88</sup> In 17 (34%) incidents, the shooter fired weapon(s) in multiple locations (14 open space and three commercial).<sup>89</sup> In 2022, there were two incidents involving

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80 In 2021, June recorded the highest number of incidents (12), and December 2021 recorded the least number of incidents (one).

81 In 2021, Saturday recorded the most incidents (14), followed by Tuesday (12) and Thursday (11). For 2022, Sunday had the most incidents, followed by Monday and Wednesday (nine).

82 In 2021, data showed an active shooter incident was more likely to occur between 6:00 a.m. and 5:59 p.m. (39 incidents).

83 Mass killings in 2018 (10), 2019 (13), 2020 (5), 2021 (12), and 2022 (13).

84 Club Q, Colorado Springs, CO—the shooter's attorneys reportedly stated the suspect identified as nonbinary.

85 The FBI can confirm 49 shooters acted alone; however, in the Players Sports Bar & Grill incident, the exact number of shooters remains unknown. One shooter has been factored into the number of shooters for this incident for the purposes of this report.

86 Club Q, Colorado Springs, CO; Days Inn Hotel, Phoenix, AZ; Tops Friendly Markets, Buffalo, NY; and Various Locations, Round Rock, TX.

87 Greenwood Park Mall, Greenwood, IN, and Vista View Apartments, Charleston, WV.

88 Players Sports Bar & Grill, Fort Lauderdale, FL; Showtime Bar and Lounge, Queens, NY; and Frisbee Street and Telegraph Road, Detroit, MI.

89 Seventeen incidents involved an active shooter, shooting at people in multiple locations: Forum Shopping Center/Safeway, Bend, OR; Interstate 10, Avondale, AZ; Interstate 71, Columbus, OH; Neuse River Greenway, Raleigh, NC; Various Locations, Philadelphia, PA; Various Locations, Detroit, MI; Various Locations, Ellisville, MO; Various Locations, Germantown, MD, and Tysons, VA; Various Locations, Kinston, NC; Various Locations, Interstate 85, AL/GA; Various Locations, Lancaster, PA; Various Locations, Little Rock, AR; Various Locations, Memphis, TN; Various Locations, Oklahoma City, OK; Various Locations, Orlando, FL; Various Locations, Round Rock, TX; and Various Locations, Baytown, TX.

snipers.<sup>90</sup> In 24 incidents (48%), the shooter had a known connection to the location and/or at least one victim, whereas in 26 incidents (52%), there was no identified connection.

In 2022, one law enforcement officer was killed,<sup>91</sup> and 21 law enforcement officers were wounded. The casualties for law enforcement officers killed and wounded (22) increased from 2021 (seven) and is the highest number recorded for the period 2018–2022.<sup>92</sup> In nine incidents, law enforcement engaged the shooter. In five of those incidents, law enforcement sustained injuries (16 officers were wounded).<sup>93</sup> In one incident, nine officers were wounded.<sup>94</sup> In one incident, a security officer engaged the shooter and was killed.<sup>95</sup> In eight incidents, citizens confronted the shooter and/or intervened.

Twenty-three incidents—an increase from 2021 (19)—occurred in open space locations, resulting in 29 killed, including one off-duty law enforcement officer. Seventy-six people were wounded, including six law enforcement officers. Incident sites included a parade route, commercial districts, interstate highways, public parks, and public roads. Open space had the most active shooter incidents, the most casualties, and the highest casualty count for a single incident.<sup>96</sup> One incident involved a sniper attack, and in two incidents the shooter wore body armor.

Fourteen incidents—a decrease from 2021 (32)—occurred in areas of commerce (open and closed), resulting in 32 killed and 60 wounded. The locations included bars, a mall, grocery stores, and manufacturing sites. This location category was the second most active and recorded the second highest number of casualties for 2022. This location type had two incidents where the shooter wore body armor and had two of the top five mass killing incidents.<sup>97</sup>

Four incidents—an increase from 2021 (two)—occurred at education locations, resulting in 23 killed (20 students and three employees) and 29 wounded. The incidents ranged from an elementary school to a school bus stop. One incident involved a sniper attack. The incident at Robb Elementary School recorded the second highest casualty incident for 2022 (21 killed and 17 wounded).<sup>98</sup>

Four incidents—an increase from 2021 (three)—occurred at residence locations, resulting in six killed and 18 wounded (including nine law enforcement officers). Three incidents occurred in residential neighborhoods (house, townhouse, and apartment complex). One incident recorded the highest number of law enforcement casualties for a single incident.<sup>99</sup>

90 At the Central Avenue, Highland Park, IL, and Edmund Burke School, Washington, D.C., locations, shooters shot at people from elevated sites.

91 For 2022, law enforcement officers killed while on duty was zero. One off-duty law enforcement officer was killed in the incident at Neuse River Greenway, Raleigh, NC.

92 Law enforcement casualties: 2018 (eight), 2019 (17), 2020 (12), and 2021 (seven).

93 Columbia Machine Inc., Smithsburg, MD; Days Inn Hotel, Phoenix, AZ; Neuse River Greenway, Raleigh, NC; Robb Elementary School, Uvalde, TX; and Residential Location, Phoenix, AZ.

94 Residential Location, Phoenix, AZ.

95 Tops Friendly Markets, Buffalo, NY.

96 Central Avenue, Highland Park, IL: seven killed and 48 wounded (total: 55).

97 Club Q, Colorado Springs, CO: five killed and 28 wounded (total: 33); and Tops Friendly Markets, Buffalo, NY: 10 killed and three wounded (total: 13).

98 Robb Elementary School, Uvalde, TX, recorded the highest number of deaths (21) for a single incident in 2022.

99 Residential Location, Phoenix, AZ.



Two incidents—a decrease from 2021 (three)—occurred at government property locations, resulting in two killed and 25 wounded.<sup>100</sup> The incidents occurred on a mass transit bus and at a rail station. The latter—at 36<sup>th</sup> Street Station, Brooklyn, NY—recorded the fourth highest casualty count for 2022 (23 wounded).

Two incidents—an increase from 2021 (one)—occurred at house of worship locations, resulting in four killed and five wounded. In both incidents, the shooter was apprehended by law enforcement at the scene after being restrained by citizens.<sup>101</sup>

One incident—same as 2021 (one)—occurred at a health care location, resulting in four killed (three were employees). The incident occurred at a hospital.

Based on the key findings, the information in this and previous reports aims to help law enforcement and communities understand the levels of threats associated with active shooter incidents. As active shooter incidents persist in 2022, the FBI emphasizes the importance of active shooter training and exercises for both law enforcement, first responders, and citizens.

The FBI remains dedicated to assisting federal, state, local, tribal, territorial, and campus law enforcement in its active shooter prevention, response, and recovery efforts, as well as training its international law enforcement partners. The FBI also remains steadfast in its efforts to train private citizens in active shooter survival, as it is imperative that citizens understand the risks faced and the resources available in an active shooter incident.

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<sup>100</sup> 36<sup>th</sup> Street Station, Brooklyn, NY—23 people were wounded, 10 by gunfire—13 of the wounded were not injured by gunfire but suffered injuries incidental to the shooting.

<sup>101</sup> Geneva Presbyterian Church—the shooter was restrained by citizens prior to law enforcement arrival. Saint Stephen's Episcopal Church—the shooter was restrained by one citizen prior to law enforcement arrival.

# 2022 Active Shooter Incident Summaries



Open Space: **23**



Commerce: **14**



Education: **4**



Residence: **4**



Government: **2**



House of  
Worship: **2**



Health Care: **1**



Other: **0**

As explained in the introduction to this report, the FBI evaluated and identified 50 active shooter incidents that occurred in 2022. Summaries of these incidents are listed in local time below.

## 1. Various Locations, Oklahoma City, OK (Open Space)



On January 25, 2022, between approximately 8:15 p.m. and 9:00 p.m., an identified male shooter, 34, armed with a rifle, began shooting at people at various identified locations, Oklahoma City, Oklahoma. One person was wounded. The shooter was apprehended by law enforcement at another location.

## 2. Oroville Dam and Feather River Boulevard, Oroville, CA (Commerce)



On February 2, 2022, at approximately 7:33 p.m., an identified male shooter, 21, armed with a handgun, began shooting at people at Oroville Dam and Feather River Boulevards, Oroville, California. One person was killed; four people were wounded. The shooter was apprehended by law enforcement at another location.

## 3. Players Sports Bar and Grill, Fort Lauderdale, FL (Commerce)



On February 6, 2022, at approximately 3:30 a.m., an unidentified shooter, age unspecified, armed with a handgun, began shooting at people in the Players Sports Bar and Grill, Fort Lauderdale, Florida. Four people were wounded. The shooter is at large.

## 4. Residential Location, Phoenix, AZ (Residence)



On February 11, 2022, at approximately 2:15 a.m., an identified male shooter, 36, armed with a handgun and rifle, began shooting at people at a residence, Phoenix, Arizona. One person was killed; nine people were wounded (all law enforcement). The shooter committed suicide after an exchange of gunfire with law enforcement at the scene.

## 5. Residential Location, Shannon Hills, AR (Open Space)



On February 28, 2022, between approximately 6:00 a.m. and 8:00 a.m., an identified male shooter, 41, armed with a rifle, began shooting at people in a residential neighborhood, Shannon Hills, Arkansas. There were no casualties reported. The shooter was apprehended by law enforcement at the scene.

## 6. Interstate 71, Columbus, OH (Open Space)



On March 11, 2022, at approximately 9:56 a.m., an identified male shooter, 21, armed with a handgun, began shooting at people/cars on Interstate 71, Columbus, Ohio. There were no casualties reported. The shooter was apprehended by law enforcement at the scene following an exchange of gunfire.

## 7. Residential Location, Albuquerque, NM (Open Space)



On March 14, 2022, at approximately 2:17 p.m., an identified male shooter, 52, armed with two handguns and a rifle, began shooting at people in an residential neighborhood,

Albuquerque, New Mexico. One person was killed; five people (including three law enforcement officers) were wounded. The shooter was killed by law enforcement at the scene.

#### **8. Broward County Transit Bus, Fort Lauderdale, FL (Government)**



On March 17, 2022, at approximately 3:23 p.m., an identified male shooter, 34, armed with a handgun, began shooting at people on a transit bus at an unspecified location, Fort Lauderdale, Florida. Two people were killed; two people were wounded. The shooter was apprehended by law enforcement at the scene.

#### **9. Showtime Bar and Lounge, Queens, NY (Commerce)**



On March 19, 2022, at approximately 1:30 a.m., an unidentified male shooter, age unspecified, armed with a gun, began shooting at people in the Showtime Bar and Lounge, Queens, New York. Two people (off-duty corrections officers) were wounded. The shooter is at large.

#### **10. Frankische Plant, Anderson, SC (Commerce)**



On April 5, 2022, at approximately 10:34 p.m., an identified male shooter, 51, armed with a rifle, began shooting at people in the Frankische Plant, Anderson, South Carolina. One person was killed (employee), and one person (employee) was wounded. The shooter committed suicide at the scene before law enforcement arrived.

#### **11. 36<sup>th</sup> Street Station, Brooklyn, NY (Government)**



On April 12, 2022, at approximately 8:24 a.m., an identified male shooter, 62, armed with a handgun, began shooting at people in the 36<sup>th</sup> Street Station, Brooklyn, New York. Twenty-three people were wounded (10 by gunfire). The shooter was apprehended by law enforcement at another location the following day.

#### **12. County Road C, Oakland, WI (Open Space)**



On April 15, 2022, between approximately 10:48 a.m. and 10:51 a.m., an identified male shooter, 23, armed with a handgun, began shooting at moving vehicles on County Road C in Oakland, Wisconsin. There were no casualties reported. The shooter was apprehended by law enforcement at another location.

#### **13. Residential Location, Florissant, CO (Residence)**



On April 17, 2022, at approximately 12:30 a.m., an identified male shooter, 63, armed with a handgun and a rifle, began shooting at people at neighboring residences, Florissant, Colorado. There were no casualties reported. The shooter committed suicide at the scene after the arrival of law enforcement.

#### **14. Edmund Burke School, Washington, D.C. (Education)**



On April 22, 2022, at approximately 3:28 p.m., an identified male shooter, 23, armed with a handgun and two rifles, began shooting at people in Edmund Burke School, Washington, D.C. Four people were wounded (including one security officer). The shooter committed suicide at the scene after the arrival of law enforcement.

#### **15. Various Locations, Round Rock, TX (Open Space)**



On May 7, 2022, at approximately 12:30 p.m., an identified male shooter, 31, armed with a rifle, began shooting at people at various locations, Round Rock, Texas. One person was wounded. The shooter was killed by law enforcement after an exchange of gunfire at the scene.

#### **16. Gwinnett County School Bus, Suwanee, GA (Education)**



On May 9, 2022, at approximately 7:15 a.m., an identified female shooter, 57, armed with a gun, began shooting at people on a bus in a residential neighborhood,

Suwanee, Georgia. One person was wounded (bus driver, an employee). The shooter was apprehended by law enforcement at another location.

### 17. Residential Location, Atlanta, GA (Open Space)



On May 9, 2022, at approximately 7:15 a.m., an identified male shooter, 25, armed with two handguns, began shooting at people outside a housing complex, Atlanta, Georgia. There were no casualties reported. The shooter was apprehended by law enforcement at the scene.

### 18. Hair World Salon, Dallas, TX (Commerce)



On May 11, 2022, at approximately 2:20 p.m., an identified male shooter, 36, armed with a rifle, began shooting at people in Hair World Salon, Dallas, Texas. Three people (employees) were wounded. The shooter was apprehended by law enforcement at another location (six days later).

### 19. Tops Friendly Markets, Buffalo, NY (Commerce)



On May 14, 2022, at approximately 2:32 p.m., an identified male shooter, 18, armed with a rifle, began shooting at people inside and outside Tops Friendly Markets, Buffalo, New York. Ten people were killed (including one armed security officer); three people were wounded. The shooter exchanged gunfire with an armed security officer inside the location. The shooter was apprehended by law enforcement at the scene.

### 20. Geneva Presbyterian Church, Laguna Woods, CA (House of Worship)



On May 15, 2022, at approximately 1:26 p.m., an identified male shooter, 68, armed with a handgun, began shooting at people in Geneva Presbyterian Church, Laguna Woods, California. One person was killed; five people were wounded. The shooter was apprehended by law

enforcement at the scene after being restrained by citizens.<sup>102</sup>

### 21. Robb Elementary School, Uvalde, TX (Education)



On May 24, 2022, at approximately 11:32 a.m., an identified male shooter, 18, armed with a rifle, began shooting at people in Robb Elementary School, Uvalde, Texas. Twenty-one people were killed (19 students, two teachers); 17 people were wounded (including three law enforcement officers). The shooter was killed by law enforcement after an exchange of gunfire at the scene.

### 22. Vista View Apartments, Charleston, WV (Open Space)



On May 25, 2022, at approximately 10:45 p.m., an identified male shooter, 37, armed with a rifle, began shooting at people outside the Vista View Apartments, Charleston, West Virginia. There were no casualties reported. The shooter was killed by an armed citizen at the scene.

### 23. Old River Road, Florence, SC (Open Space)



On May 28, 2022, at approximately 2:00 p.m., an identified male shooter, 40, armed with a rifle, began shooting at moving cars on Old River Road, Florence, South Carolina. One person was killed; one person was wounded. The shooter was apprehended by law enforcement at the scene.

### 24. Saint Francis Hospital, Tulsa, OK (Health Care)



On June 1, 2022, at approximately 4:52 p.m., an identified male shooter, 45, armed with a handgun and a rifle, began shooting at people in Natalie Medical Building, Saint Francis Hospital, Tulsa, Oklahoma. Four people were killed (three employees). The shooter committed suicide at the scene after the arrival of law enforcement.

<sup>102</sup> Subject had four Molotov cocktails, which are categorized as destructive devices (not IEDs) and illegal to possess under federal law.

### 25. Columbia Machine Inc., Smithsburg, MD (Commerce)

 On June 9, 2022, at approximately 2:30 p.m., an identified male shooter, 23, armed with a handgun, began shooting at people in Columbia Machine Inc., Smithsburg, Maryland. Three people (employees) were killed; two people (one employee and one law enforcement officer) were wounded. The shooter was apprehended by law enforcement after an exchange of gunfire at another location.

### 26. Various Locations, Ellisville, MO (Open Space)

 On June 12, 2022, at approximately 6:15 p.m., an identified male shooter, 52, armed with a handgun, began shooting at people at various locations, Ellisville, Missouri. Two people were wounded. The shooter was apprehended by law enforcement at another location.

### 27. Duncanville Fieldhouse, Duncanville, TX (Commerce)

 On June 13, 2022, at approximately 8:43 a.m., an identified male shooter, 42, armed with a handgun, began shooting at people in Duncanville Fieldhouse, Duncanville, Texas. There were no casualties reported. The shooter was killed by law enforcement after an exchange of gunfire at the scene.

### 28. Saint Stephen's Episcopal Church, Vestavia Hills, AL (House of Worship)

 On June 16, 2022, at approximately 6:22 p.m., an identified male shooter, 70, armed with a handgun, began shooting at people in Saint Stephen's Episcopal Church, Vestavia Hills, Alabama. Three people were killed. The shooter was apprehended by law enforcement at the scene after being restrained by a citizen.

### 29. Various Locations, Philadelphia, PA (Open Space)

 On June 21, 2022, between approximately 4:52 a.m. and 5:06 a.m., an identified male shooter, 24, armed with a handgun, began

shooting at people at various locations, Philadelphia, Pennsylvania. One person was killed. The shooter was apprehended by law enforcement at another location.

### 30. Various Locations, Germantown, MD, and Tysons, VA (Open Space)

 On July 4, 2022, at approximately 9:20 a.m., an identified male shooter, 26, armed with two rifles, began shooting at people at various locations, Germantown, Maryland, and Tysons, Virginia. There were no casualties reported. The shooter was apprehended by law enforcement at another location.

### 31. Central Avenue, Highland Park, IL (Open Space)

 On July 4, 2022, at approximately 10:10 a.m., an identified male shooter, 21, armed with a rifle, began shooting at people during a Fourth of July parade on Central Avenue, Highland Park, Illinois. Seven people were killed; 48 people were wounded. The shooter was apprehended by law enforcement at another location.

### 32. Greenwood Park Mall, Indianapolis, IN (Commerce)

 On July 17, 2022, at approximately 5:56 p.m., an identified male shooter, 20, armed with a rifle, began shooting at people in Greenwood Park Mall, Greenwood, Indiana. Three people were killed; two people were wounded. The shooter was killed by an armed citizen at the scene.

### 33. Various Locations, Kinston, NC (Open Space)

 On July 25, 2022, between approximately 4:20 a.m. and 5:45 a.m., an identified male shooter, 24, armed with a gun, began shooting at people at various locations, Kinston, North Carolina. Two people were killed. The shooter was apprehended by law enforcement at another location.

#### 34. Frisbee Street and Telegraph Road, Detroit, MI (Open Space)



On July 27, 2022, at approximately 12:11 a.m., an unidentified shooter, age unspecified, armed with a shotgun, began shooting at people at an unspecified location, Detroit, Michigan. There were no casualties reported. The shooter is at large.

#### 35. Residential Location, Detroit, MI (Residence)



On July 31, 2022, at approximately 2:40 a.m., an identified male shooter, 36, armed with two rifles, began shooting at people at a residence, Detroit, Michigan. Two people were killed; six people were wounded. The shooter was apprehended by law enforcement at the scene.

#### 36. Various Locations, Little Rock, AR (Commerce)



On August 14, 2022, between approximately 2:59 p.m. and 5:14 p.m., an identified male shooter, 31, armed with a handgun, began shooting at people at various locations, Little Rock, Arkansas. One person was killed; one person was wounded. The shooter was apprehended by law enforcement at another location.

#### 37. Various Locations, Interstate 85, AL/GA (Open Space)



On August 17, 2022, between approximately 5:15 a.m. and 7:56 a.m., an identified male shooter, 39, armed with a handgun, began shooting at people at various locations, Interstate 85, Alabama and Georgia. One person was wounded. The shooter was apprehended by law enforcement at another location.

#### 38. Residential Location, Houston, TX (Residence)



On August 28, 2022, at approximately 1:07 a.m., an identified male shooter, 54, armed with a shotgun, began shooting at people evacuating a fire at a housing complex, Houston,

Texas. Three people (residents) were killed; three people (residents) were wounded. The shooter was killed by law enforcement at the scene.

#### 39. Various Locations, Detroit, MI (Open Space)



On August 28, 2022, between approximately 4:45 a.m. and 7:10 a.m., an identified male shooter, 19, armed with a handgun, began shooting at people at various locations, Detroit, Michigan. Three people were killed; one person was wounded. The shooter was apprehended by law enforcement at another location.

#### 40. Forum Shopping Center/Safeway, Bend, OR (Commerce)



On August 28, 2022, at approximately 7:04 p.m., an identified male shooter, 20, armed with a rifle, began shooting at people at the Forum Shopping Center and the center's Safeway, Bend, Oregon. Two people were killed (employee and customer); two people were wounded. After being confronted by an employee, the shooter committed suicide at the scene after law enforcement arrived.

#### 41. Days Inn Hotel, Phoenix, AZ (Open Space)



On August 28, 2022, at approximately 8:30 p.m., an identified male shooter, 24, armed with a rifle, began shooting at people inside and outside Days Inn Hotel, Phoenix, Arizona. Two people were killed; five people (including two law enforcement officers) were wounded. The shooter committed suicide at the scene following an exchange of gunfire with law enforcement.<sup>103</sup>

#### 42. Various Locations, Memphis, TN (Open Space)



On September 7, 2022, between approximately 12:56 a.m. and 8:55 p.m., an identified male shooter, 19, armed with a handgun, began shooting at people at various locations, Memphis, Tennessee. Three people were killed; three people were wounded. The shooter was

103 Subject had several Molotov cocktails (not IEDs).

apprehended by law enforcement at another location.

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#### 43. Various Locations, Baytown, TX (Open Space)



On October 5, 2022, at approximately 6:30 p.m., an identified male shooter, 33, armed with a handgun, began shooting at people at various locations, Baytown, Texas. Two people were killed; two people were wounded. The shooter was killed by law enforcement at the scene.

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#### 44. Neuse River Greenway, Raleigh, NC (Open Space)



On October 13, 2022, between approximately 5:09 p.m. and 5:21 p.m., an identified male shooter, 15, armed with a shotgun, began shooting at people along Neuse River Greenway, Raleigh, North Carolina. Five people were killed (including one off-duty law enforcement officer); two people were wounded (including one law enforcement officer). The shooter was apprehended by law enforcement following an exchange of gunfire at another location.

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#### 45. Central Visual and Performing Arts High School, St. Louis, MO (Education)



On October 24, 2022, at approximately 9:11 a.m., an identified male shooter, 19, armed with a rifle, began shooting at people in Central Visual and Performing Arts High School, St. Louis, Missouri. Two people were killed (one teacher and one student); seven people (students) were wounded. The shooter was killed by law enforcement after an exchange of gunfire at the scene.

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#### 46. Interstate 10, Avondale, AZ (Open Space)



On November 19, 2022, at approximately 1:00 p.m., an identified male shooter, 29, armed with a handgun, began shooting at people on Interstate 10, Avondale, Arizona. One person was killed; two people were wounded. The shooter was apprehended by law enforcement at the scene.

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#### 47. Club Q, Colorado Springs, CO (Commerce)



On November 19, 2022, at approximately 11:56 p.m., an identified nonbinary shooter, 22, armed with a rifle and a handgun, began shooting at people in Club Q, Colorado Springs, Colorado. Five people (two employees) were killed; 28 people were wounded. The shooter was restrained by two unarmed citizens and apprehended by law enforcement at the scene.

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#### 48. Walmart #1841, Chesapeake, VA (Commerce)



On November 22, 2022, at approximately 10:12 p.m., an identified male shooter, 31, armed with a handgun, began shooting at people in Walmart #1841, Chesapeake, Virginia. Six people (employees) were killed; six people (employees) were wounded. The shooter committed suicide prior to the arrival of law enforcement at the scene.

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#### 49. Various Locations, Lancaster, PA (Open Space)



On December 11, 2022, at approximately 8:00 p.m., an identified male shooter, 36, armed with a handgun, began shooting at people at various locations, Lancaster, Pennsylvania. One person was killed; two people were wounded. The shooter committed suicide prior to the arrival of law enforcement at another location.

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#### 50. Various Locations, Orlando, FL (Commerce)



On December 14, 2022, at approximately 10:41 p.m., an identified male shooter, 19, armed with a rifle, began shooting at people at various locations, Orlando, Florida. Two people (one security guard) were wounded. The shooter was apprehended by law enforcement at another location.

# Appendix

Below are the definitions of the location categories cited in *A Study of Active Shooter Incidents in the United States Between 2000 and 2013*.

## Definitions of Location Categories

 **Commerce, Businesses Open to Pedestrian Traffic**—private properties with the primary function of making, buying, or selling goods or providing services in exchange for money where pedestrian traffic is anticipated on a daily basis. Examples include restaurants, bars, law firms, theaters, grocery stores, private civic organization spaces, and event venues. This category does not include locations otherwise defined more exclusively in another category, such as health care facilities and institutions of higher education.

 **Commerce, Malls**—types of businesses typically consisting of more than one anchor store and many smaller businesses under a single roof, though they may include some open spaces. Strip malls, which typically provide no indoor open spaces and are often arranged in a single row, are included in the business category.

 **Commerce, Businesses Closed to Pedestrian Traffic**—private properties primarily functioning in commerce without daily pedestrian traffic. Examples include manufacturing centers, packaging and distribution facilities and factories, warehouses, assembly plants, and commercial vehicle maintenance, storage, and repair facilities.

 **Education, Schools**—public and private properties used for educating students from pre-kindergarten to 12th grade, as well as school administrative functions such as board and staff meetings.

 **Education, Institutions of Higher Education**—public or private properties used for post-high school studies.

 **Government, Military Properties**—public properties owned by the U.S. government and primarily reserved for U.S. military use. Examples include military bases, airfields, sea-ports, and training ranges.

 **Government, Other (Non-Military) Government Properties**—public properties owned by federal, state, local, tribal, or territorial governmental entities. Examples include courthouses, administrative buildings, and town halls. This category does not include locations otherwise defined more exclusively in another category such as military property or schools.

 **Health Care Facilities**—public or private facilities that provide primary or secondary health services. Examples include hospitals, clinics, and urgent care, hospice care, and retirement facilities.

 **Houses of Worship**—public or private facilities used for religiously sponsored activities at the time of an incident. This includes commercial properties used as houses of worship at the time of the incident. Examples include churches, temples, synagogues, mosques, and related religious gathering and retreat facilities.

 **Open Spaces**—public or private properties openly accessible to the public. Incidents are categorized as occurring in open space if they take place primarily in an open-air location rather than beginning or ending inside a building. Examples include incidents where the shooter is inside a moving car and incidents where the shooter acts while walking or running through public streets, open parking lots, or parks.

 **Residences**—public or private, single or multi-family places of residence.



For more information about the Federal Bureau of Investigation's  
Active Shooter Resources, visit our website:

[fbi.gov/survive](https://fbi.gov/survive)



ACTIVE SHOOTER INCIDENTS IN THE UNITED STATES IN **2022**