At least one death or injury from the use of explosive weapons was recorded in 27 countries and territories in July 2022. Worldwide, there were 367 incidents of explosive weapon use, resulting in 2,353 casualties, of which 1,799 (76%) were civilians. Some of the most affected countries and territories in terms of civilian casualties from the use of explosive weapons were Iraq, Syria, and Ukraine.

There were 18 incidents of explosive weapon use affecting healthcare services in July 2022. The vast majority of incidents took place in Ukraine where hospitals and pharmacies were damaged by ground-launched artillery shells and rockets. Incidents also occurred in Myanmar during which hospitals were also damaged by ground-launched rockets.

This data may include some incidents where a device did not detonate or where there were no civilian casualties, and includes incidents where historical items such as unexploded ordnance were found and which affected the provision of these services.

---

### Casualties

<table>
<thead>
<tr>
<th></th>
<th>Populated areas</th>
<th>Unpopulated areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incidents</td>
<td>273</td>
<td>94</td>
</tr>
<tr>
<td>Deaths</td>
<td>492 civilians</td>
<td>13 civilians</td>
</tr>
<tr>
<td>Injuries</td>
<td>1,244 civilians</td>
<td>50 civilians</td>
</tr>
<tr>
<td>Civilians</td>
<td>42 armed actors</td>
<td>288 armed actors</td>
</tr>
<tr>
<td>Armed actors</td>
<td>53 armed actors</td>
<td>171 armed actors</td>
</tr>
</tbody>
</table>

### Impact on civilians in populated vs unpopulated areas

- **95%** of civilians killed and injured in a populated area
- **12%** of civilians killed and injured in an unpopulated area
In July 2022, there were four incidents of explosive weapon use recorded in Afghanistan, three of which resulted in 27 civilian casualties, of whom three were killed and 24 injured. There were at least three children among the civilian casualties. Civilians accounted for 93% of the total 29 casualties, as there were also two recorded armed-actor casualties, both of whom were killed.

The highest casualty incident occurred on 29 July 2022, when two civilians were killed and 13 injured in a suicide grenade attack by an unknown perpetrator at Kabul’s main cricket stadium during a domestic league match. Sources: Reuters, Reuters II, AP.

In July 2022, there were no incidents of explosive weapon use recorded in Azerbaijan which resulted in civilian casualties. One armed actor was injured.

On 26 July 2022, an Azerbaijani soldier was injured in a landmine explosion in Kalbajar. Sources: Trend, AzerNews.
In July 2022, there were two incidents of explosive weapon use recorded in Burkina Faso which resulted in seven civilian casualties, all of whom were killed. There were no armed-actor casualties from explosive weapon use recorded in Burkina Faso in July.

The highest casualty incident occurred on 01 July 2022, when four civilians were killed when their bike struck an IED while traveling from Djibo to Ouagadougou, Bourzanga. Sources: GeoPioneer, Xinhua.

In July 2022, there was one recorded incident of explosive weapon use in Cameroon which resulted in one civilian being injured. There were no recorded armed-actor casualties in Cameroon in July.

On 12 July 2022, one civilian was injured in an IED explosion by unknown perpetrators at Mokolo Market, Yaounde. Sources: Crisis24, US Embassy Cameroon.

In July 2022, there was one recorded incident of explosive weapon use in Cyprus which resulted in one civilian being injured. There were no recorded armed-actor casualties in Cyprus in July.

On 5 July 2022, one man was injured when an IED planted by unknown perpetrators exploded in his van in Oroklini. Sources: Cyprus Mail, In-Cyprus.

In July 2022, there were three incidents of explosive weapon use recorded in Ethiopia, two of which caused 12 civilian casualties, all of whom were injured. There was at least one woman among the casualties. Civilians accounted for 92% of the total 13 casualties, as one armed actor was also killed.

The highest casualty incident occurred on 11 July, when 11 civilians were injured in an IED explosion at a market in Dessie city, Amhara. The IED was wrapped in straw and placed by unknown perpetrators where merchandise was being loaded and unloaded. Sources: Crisis24, Addis Standard.
India

12 Civilian casualties

In July 2022, there were six incidents of explosive weapon use recorded in India, five of which resulted in 12 civilian casualties, all of whom were injured. At least three civilian casualties were children, and one was a woman. Civilians accounted for 92% of casualties of explosive weapon use in July, as one armed actor was also injured.

The highest casualty incident took place on 04 July 2022, when six civilians were injured in an IED attack during a birthday party, when a group of young people threw the IED at the celebrants, in Prayagraj. Sources: Hindustan Times, ANI.

Iran

1 Civilian casualty

In July 2022, there was one incident of explosive weapon use recorded in Iran which resulted in one civilian being injured. There were no armed actor casualties recorded in Iran in July.

On 30 July 2022, a man was injured in a landmine explosion while carrying goods across the border from Baneh region into Iraq. Sources: Hengaw, KHRN.

Iraq

89 Civilian casualties

In July 2022, there were 17 reported incidents of explosive weapon use in Iraq, 13 of which resulted in 89 civilian casualties, 20 of whom were killed and 69 injured. At least six civilian casualties were reportedly women and 11 were children. Civilians accounted for 83% of all 107 casualties, as 18 armed-actor casualties were also recorded, nine of whom were killed and nine injured.

The majority of civilian casualties, 79% (70), occurred in populated areas. Specifically, 61% (54) occurred in entertainment venues, 11% (10) in urban residential areas, and 7% (6) in villages. Of the remaining civilian casualties, 9% (8) occurred on roads, 6% (5) in other locations, 6% (5) in locations where no information was reported, and 1% (1) on armed bases.

The regions in which civilian casualties were reported in Iraq were Duhok (54 civilian casualties), Nineveh (18), Diyala (10), Baghdad (3), Salahuddin (3), and Sulaimaniyah (1).

The majority of civilian casualties, 69% (61), were caused by state actors’ use of explosive weapons, specifically Turkey. Non-state actors’ use of explosive weapons caused 30% (27) of civilian casualties, specifically unknown non-state actors (26 civilian casualties), and ISIS (1). Groups of unknown name and status caused 1% (1) of civilian casualties.
**Iraq**

The use of air-launched weapons caused 69% (61) of civilian casualties, specifically air strikes. Directly-emplaced weapons caused 29% (26) of civilian casualties, specifically non-specific IEDs (16 civilian casualties), roadside bombs (9), and landmines (1). Ground-launched weapons caused 2% (2) of civilian casualties, specifically grenades.

The highest casualty incident took place on 20 July 2022, when nine civilians were killed, including at least three children, and 45 were injured, including four women and two children, in an alleged Turkish drone strike on a tourist resort in Barakh village, Duhok.

The number of incidents of explosive weapon use in Iraq in July 2022 saw a small decrease from June, in which 22 incidents were recorded. However, significantly fewer civilian casualties were recorded in June (47 civilian casualties, 16 killed and 31 injured). In May, there were 26 reported incidents of explosive weapon use which caused 42 civilian casualties (14 killed, 28 injured). Sources: Airwars, AFP, Al Monitor, Iraqi News, MEHR, Airwars II.

**Israel**

**1 Civilian casualty**

In July 2022, there was one recorded incident of explosive weapon use in Israel which resulted in one civilian death. There were no armed-actor casualties from explosive weapon use recorded in July.

On 06 July 2022, one man was killed in a car bomb explosion as he entered a parking lot in Zikhron Ya’akov, Haifa. The perpetrators are unknown. Sources: MEHR, Times of Israel.

**Kenya**

**3 Civilian casualties**

In July 2022, there was one recorded incident of explosive weapon use in Kenya which resulted in three civilians being injured. There were no incidents that resulted in armed-actor casualties in July.

On 14 July 2022, three construction workers were injured when their vehicle ran over an IED planted by unknown actors in Mandera county. Sources: The Star, Hiiraan.
In July 2022, there were five recorded incidents of explosive weapon use in Libya which resulted in 13 civilian casualties, four of whom were killed and nine injured. At least two of the civilian casualties were women, and two were children. There were no armed-actor casualties from explosive weapon use recorded in July.

The highest casualty incident occurred on 22 July 2022, when one man was killed and four men were injured in shelling by armed groups on Al Matabat street, Tripoli.

Source: Airwars.

In July 2022, there were no recorded incidents of explosive weapon use in Mali which resulted in civilian casualties. One recorded incident of explosive weapon use resulted in seven armed actor casualties, two of whom were killed and five injured.

On 05 July 2022, two Egyptian UN MINUSMA peacekeepers were killed and five injured in a roadside IED explosion in Gao. The perpetrators were unknown.

Sources: Reuters, Alarabiya, Daily Sabah.

In July 2022, there were 41 recorded incidents of explosive weapon use in Myanmar, 23 of which caused 64 civilian casualties, 22 of whom were killed and 42 injured. Civilian casualties included at least 15 children and five women. Civilians accounted for 26% of the total 246 casualties of explosive weapon use, as 126 armed actors were also reportedly killed and 56 were injured.

The majority of civilian casualties, 94% (60), occurred in populated areas. Specifically, 47% (30) occurred in villages, 20% (13) in commercial premises, 9% (5) in encampments, 6% (4) on agricultural land, 5% (3) in urban residential areas, 5% (3) in places of worship, and 3% (2) in public buildings. An additional 6% (4) of civilian casualties occurred in agricultural land.

The states in which civilian casualties were reported in Myanmar were Karen (17 civilian casualties), Sagaing (15), Yangon (15), Rakhine (8), Shane (4), Kachin (2), Chin (2), and Magwe (1).

The majority of civilian casualties, 65% (42), were caused by the use of explosive weapons by Myanmar military forces. Unknown non-state actors were the reported perpetrator in the case of 23% (15) of civilian casualties. Groups of unknown status and name were the reported perpetrators in the case of 11% (7) of civilian casualties.
**Myanmar**

Ground-launched weapons were the cause of 34% (22) of civilian casualties, specifically artillery shells (15 civilian casualties), non-specific shelling (5), and mortars (2). Air-launched weapons caused 33% (21) of civilian casualties, specifically air strikes (14 civilian casualties) and air-dropped bombs (7). Directly-emplaced weapons caused 33% (21) of civilian casualties, specifically non-specific IEDs (13) and landmines (8).

The highest casualty incident occurred on 12 July 2022, when two civilians were killed and 11 injured in an IED explosion near a shopping center in Yangon.

The number of recorded incidents of explosive weapon use in Myanmar in July 2022 saw a small decrease from June, in which 55 incidents were recorded and 67 civilian casualties (24 killed and 43 injured). In May, 41 reported incidents of explosive weapon use caused 87 civilian casualties (34 killed, 53 injured). Source: *AFP, AFP II*.

**Healthcare**

In July 2022, four incidents of explosive weapon use affecting the provision of healthcare were recorded in Myanmar. Two hospitals in Sagaing and Yangon regions were damaged by ground-launched rockets fired by opposition groups including the People’s Defence Force (PDF). A hospital in Karen state was also damaged by Myanmar military airstrikes.

In a separate incident, a landmine detonated when a group of seven ambulances with patients on board drove over it in Sagaing, causing damage. Source: *Eleven Media*.

**Netherlands**

3 Civilian casualties

In July 2022, there were two recorded incidents of explosive weapon use in the Netherlands, which resulted in three civilian injuries, at least one of whom was a child. There were no armed-actor casualties recorded in the Netherlands in July.

On 09 July 2022, two civilians, including one child, were injured when an IED was thrown by unknown perpetrators into or near their apartment on the fourth floor of an apartment building in Delft. Source: *NL Times*.

**Nigeria**

14 Civilian casualties

In July 2022, there were four recorded incidents of explosive weapon use in Nigeria, one of which resulted in 14 civilian casualties, six of whom were killed and eight injured. At least one civilian casualty was a woman. Civilians accounted for 17% of the total 84 casualties recorded in Nigeria in July, as 70 armed actors were also killed.
In July 2022, there were nine incidents of explosive weapon use recorded in Pakistan, three of which caused seven civilian casualties, all of whom were injured. At least three children were recorded among the civilian casualties. Civilians accounted for 19% of the total 36 casualties, as 29 armed actor casualties were also recorded, four of whom were killed and 25 injured.

The highest casualty incident took place on 24 July 2022, when three children were injured in a landmine explosion on their way home from school in south Waziristan, Khyber Pakhtunkhwa. Source: Dawn.

In July 2022, there were no incidents of explosive weapon use recorded in the Philippines which resulted in civilian casualties. Two incidents resulted in 13 armed actor casualties, one of whom one was killed and 12 injured.

On 05 July 2022, seven Filipino soldiers were injured in an anti-personnel mine explosion while carrying out road clearance duties in Northern Samar. The mine was allegedly laid by the New People’s Army. Sources: Manila Times, GMA.

In July 2022, there was one recorded incident of explosive weapon use in Republic of Korea, which resulted in one civilian death. There were no armed-actor casualties in Republic of Korea in July.

On 03 July 2022, one man was killed in a landmine explosion near the inter-Korean border, in Cheorwon, as he was operating an excavator during some flood restoration work. Source: NK News.
Russia

9 Civilian casualties

In July 2022, there was one incident of explosive weapon use recorded in Russia, which resulted in nine civilian casualties, five of whom were killed and four injured. There were no armed actors casualties recorded in Russia in July.

On 03 July 2022, five civilians were killed and four injured in a Ukrainian missile strike on Belgorod. Sources: Crisis24, Reuters, Meduza.

Somalia

70 Civilian casualties

In July 2022, there were 11 recorded incidents of explosive weapon use in Somalia, six of which caused 70 civilian casualties, 30 of whom were killed and 40 injured. At least one child was recorded among the civilian casualties. Civilians accounted for 79% of the total 89 casualties of explosive weapons use in Somalia in July, as 19 armed-actor casualties were also recorded, 14 of whom were killed and five injured.

All of the civilian casualties occurred in populated areas, specifically 33% (23) in markets, 27% (19) in hotels, 26% (18) in public buildings, and 14% (10) in urban residential areas.

The states in which civilian casualties were reported in Somalia were Lower Shabelle (41 civilian casualties), Middle Shabelle (19), Bay (9), and Banaadir (1).

All of the civilian casualties were caused by non-state actors’ use of explosive weapons. In particular, Al Shabaab caused 86% (60) of civilian casualties, and unknown non-state actors were responsible for 14% (10) of civilian casualties.

All of the civilian casualties were caused by directly-emplaced weapons, in particular 73% (51) were from non-specific IEDs and 27% (19) from car bombs.

The highest casualty incident occurred on 27 July 2022, when at least seven civilians were killed and 14 injured in an explosion perpetrated by Al Shabaab at a livestock market in Afgoye town, Lower Shabelle.

The number of recorded incidents of explosive weapon use in Somalia in July 2022 saw a significant rise from June, in which three incidents caused two civilian injuries. In May 2022, there were five recorded incidents of explosive weapon use, which resulted in 25 civilian casualties (five killed, 20 injured). Sources: Anadolu Agency, VOA, Republic World.
Syria

158 Civilian casualties

In July 2022, there were 71 incidents of explosive weapon use recorded in Syria, 39 which resulted in 158 civilian casualties, of whom 33 were killed and 125 injured, including at least 21 women and 29 children. Civilians accounted for 59% of the total 268 casualties, as there were also 110 recorded armed-actor casualties, 45 of whom were killed and 65 injured.

The majority of civilian casualties, 98% (155), occurred in populated areas. Specifically, 46% (72) occurred in villages, 21% (33) in urban residential areas, 9% (15) in places of worship, 5% (8) in town centers, 5% (8) in encampments, 4% (7) on agricultural lands, 3% (5) in markets, 2% (3) in police stations, and 1% (2) in commercial premises and in areas where multiple urban locations were impacted, respectively. Of the remaining civilian casualties, 2% (3) occurred in armed bases.

The regions in which civilian casualties were reported in Syria were Aleppo (42 civilian casualties), Idlib (41), Hasakah (26), Hama (25), Daraa (11), Raqqa (9), Tartus (2), and Deir Ezzor (2).

The majority of civilian casualties, 49% (77), were caused by ground-launched weapons, specifically shelling (34), artillery shells (17), missiles (11), rockets (10), mortars (4), and grenades (1). Air-launched explosive weapons caused 18% (29) of civilian casualties, specifically missiles (25), air strikes (2), and air-dropped bombs (2). Directly-emplaced weapons caused 13% (21) of civilian casualties, specifically non-specific IEDs (17), and landmines (4). Combined launch methods caused 6% (9) of civilian casualties. Weapons of unclear launch method caused 14% (22) of civilian casualties.

The majority of civilian casualties, 64% (101) were caused by state actors’ use of explosive weapons, specifically Turkey (46 civilian casualties), Russia (25), Syria (25), and Israel (2). Unknown state actors caused three civilian casualties. Non-state actors were the reported perpetrators of 21% (44) of civilian casualties, specifically unknown non-state actors (29 civilian casualties), the Syrian opposition (7), the Syrian Democratic Forces (SDF) (6), and ISIS (2). Actors of unknown name and status caused 8% (13) of civilian casualties.

The highest casualty incident occurred on 22 July 2022, when eight civilians were killed, including four children, and 17 more were injured, including eight children and one woman, in a Russian air-launched missile strike on Jadida village, Idlib.

The number of incidents of explosive weapon use in Syria in July saw an increase from June, in which 66 incidents and 156 civilian casualties were recorded (29 killed, 127 injured). Levels have continued to rise from May 2022, when there were 82 reported incidents of explosive violence in Syria, which caused 101 civilian casualties (30 killed and 71 injured).

In July 2022, there was one recorded incident of explosive weapon use in Thailand, which resulted in five civilian injuries, all of whom were children. There were no armed-actor casualties recorded in Thailand in July.

On 26 July 2022, five students were injured in an IED explosion in a classroom, in Ayutthaya, when a student that carried a bomb to school inside a school bag accidentally dropped the bag. Sources: Thaiger, Counter IED.

In July 2022, there was one recorded incident of explosive weapon use in Togo, which caused nine civilian casualties, seven of whom were killed and two injured. At least seven civilian casualties were children. There were no armed-actor casualties in Togo in July.

On 10 July 2022, seven children were killed and two civilians injured in Tone, Savanes, during an airstrike by the Togo air force targeting jihadists. Sources: Reuters, AFP, Crisis24.

In July 2022, there were 169 incidents of explosive weapon use recorded in Ukraine, 161 of which resulted in 1,265 civilian casualties, of whom 358 were killed and 907 injured, including at least 30 children and 15 women. Civilians accounted for 93% of the total 1,363 casualties, as there were also 98 recorded armed-actor casualties, 57 of whom were killed and 41 injured.

The majority of civilian casualties, 98% (1,245), occurred in populated areas. Specifically, 46% (579) occurred in locations in which the detonation of an explosive weapon affects multiple types of spaces within an urban environment, 33% (414) in urban residential areas, 10% (131) in other locations, 3% (33) in transport-related infrastructure, 2% (25) in villages, 2% (25) in schools, 2% (20) in commercial premises. The remaining 2% (20) of civilian casualties occurred in armed bases (6), other unpopulated areas (4), where no location information was reported (5), agricultural land (3), and roads (2).

The regions in which civilian casualties were reported in Ukraine were Donetsk (572 civilian casualties), Kharkiv (142), Vinnytsia (140), Mykolaiv (121), Kherson (89), Odesa (58), Dnipropetrovsk (58), Sumy (23), Kirovohrad (18), Kyiv (15), Zaporizhzhia (14), Volyn (6), Sevastopol (6), Luhansk (2), and Khmelnytskyi (1).
The vast majority of civilian casualties, 99% (1,248), were caused by state actors’ use of explosive weapons. Specifically, Russian armed forces caused 78% (982) of civilian casualties, Ukrainian armed forces caused 11% (133), and unknown state actors caused 11% (133). Non-state armed groups caused <1% of civilian casualties, specifically Ukrainian resistance forces (1), and unknown non-state actors (6). Groups of unknown status and name were the perpetrator in the cases of <1% (10) of civilian casualties.

The use of ground-launched explosive weapons were the cause of 71% (894) of civilian casualties, specifically shelling (543), rockets (234), missiles (76), artillery (26), a combination of ground-launched explosive weapons (14), and mortars (1). Air-launched weapons were the cause of 5% (69) of civilian casualties, specifically missiles. Directly-emplaced weapons were the cause of 2% (19) of civilian casualties, in particular landmines (11), non-specific IEDs (7), and car bombs (1). Weapons of unclear launch method were the cause of 22% (278) of civilian casualties, specifically missiles (208), and rockets (70). Combinations of explosive weapons were the cause of <1% (5) of civilian casualties.

The highest casualty incident occurred on 14 July 2022, when at least 25 civilians, including three children, were killed and 115 injured in a Russian missile strike on an office building in Vinnytsia.

The number of incidents of explosive weapon use in Ukraine in July saw an increase from June, in which 165 incidents were recorded along with 888 civilian casualties (238 killed and 650 injured). In May, 180 incidents were recorded, which caused 1,049 civilian casualties (411 killed and 638 injured). Sources: Ukrinform, New York Times, ABC.

Healthcare

In July 2022, 14 incidents of explosive weapon use affecting the provision of healthcare were recorded in Ukraine. Hospitals and pharmacies were damaged by ground-launched artillery shells and rockets fired by Russian forces. Most incidents were reported in eastern Ukraine in Dnipropetrovsk, Donetsk, Kharkiv and Luhansk oblasts.

Incidents were also reported in Lviv, Mykolaiv and Vinnytsia oblasts. In Vinnytsia oblast, Russian rockets landed and exploded in a parking lot, destroying the Neuromed Medical Clinic and the City Council building on 14 July 2022. Two female health workers were killed and at least four others were injured, including two doctors, a female neurologist and a male paediatric neurologist, who suffered burns to 70% of their bodies. Sources: Media Vektor, Ukrinform, Obozrevatel and Press Point.
In July 2022, there was one recorded incident of explosive weapon use in the United States, which caused one civilian, a woman, to be injured. There were no armed-actor casualties recorded in the United States in July.

On 05 July 2022, a woman was injured when an IED was thrown by unknown actors through the glass of her front door in California. Sources: Fox 11, NBC.

In July 2022, there were nine incidents of explosive weapon use recorded in Yemen, seven of which resulted in 26 civilian casualties, of whom eight were killed and 18 injured, including at least 16 children and one woman. Civilians accounted for 84% of the total 31 casualties, as there were also five recorded armed-actor casualties, one of whom was killed and four injured.

The highest casualty incident occurred on 23 July 2022, when one child was killed and 11 other children were injured in a Houthi artillery attack on a residential neighborhood in Taiz. Sources: Arab News, Save the Children, Siasat Daily.
ANNUAL 2022 COUNT

Recorded casualties

Recorded incidents affecting aid access, education and healthcare

Data collection is ongoing and data may change as more information is made available.
This bulletin produced by Explosive Weapons Monitor publishes data on incidents of explosive weapon use around the world as reported in open sources. It uses data collected by Action on Armed Violence (AOAV) on incidents of explosive weapon use and casualties (including deaths and injuries), and data collected by Insecurity Insight on incidents of explosive weapon use affecting aid access, education and healthcare.

<table>
<thead>
<tr>
<th>Explosive Weapons Type</th>
<th>Recorded incidents between 1 January and 31 July 2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air-launched</td>
<td>Civilian casualties 2,310 52% of total</td>
</tr>
<tr>
<td></td>
<td>Aid access incidents 8</td>
</tr>
<tr>
<td></td>
<td>Education incidents 5</td>
</tr>
<tr>
<td></td>
<td>Healthcare incidents 20</td>
</tr>
<tr>
<td>Ground-launched</td>
<td>Civilian casualties 5,032 84% of total</td>
</tr>
<tr>
<td></td>
<td>Aid access incidents 7</td>
</tr>
<tr>
<td></td>
<td>Education incidents 35</td>
</tr>
<tr>
<td></td>
<td>Healthcare incidents 115</td>
</tr>
<tr>
<td>Directly emplaced</td>
<td>Civilian casualties 2,399 62% of total</td>
</tr>
<tr>
<td></td>
<td>Aid access incidents 12</td>
</tr>
<tr>
<td></td>
<td>Education incidents 15</td>
</tr>
<tr>
<td></td>
<td>Healthcare incidents 12</td>
</tr>
<tr>
<td>Combination</td>
<td>Civilian casualties 207 71% of total</td>
</tr>
<tr>
<td></td>
<td>Aid access incident 1</td>
</tr>
<tr>
<td></td>
<td>Education incident 0</td>
</tr>
<tr>
<td></td>
<td>Healthcare incident 1</td>
</tr>
</tbody>
</table>