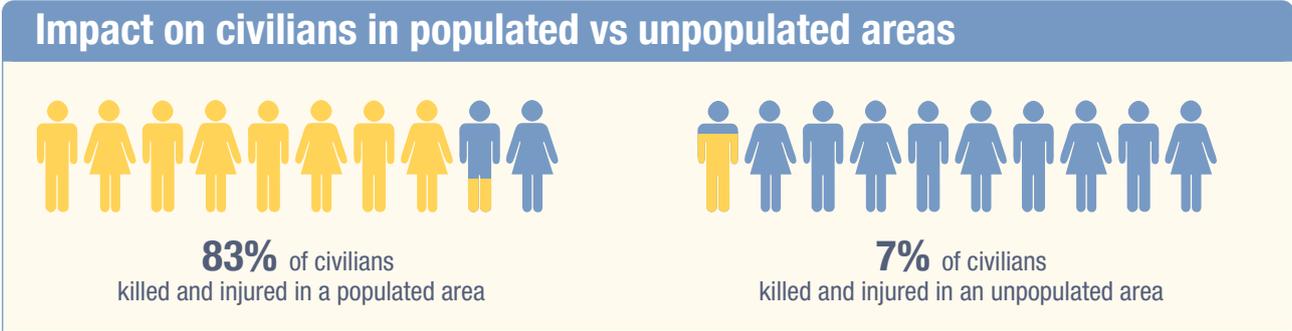
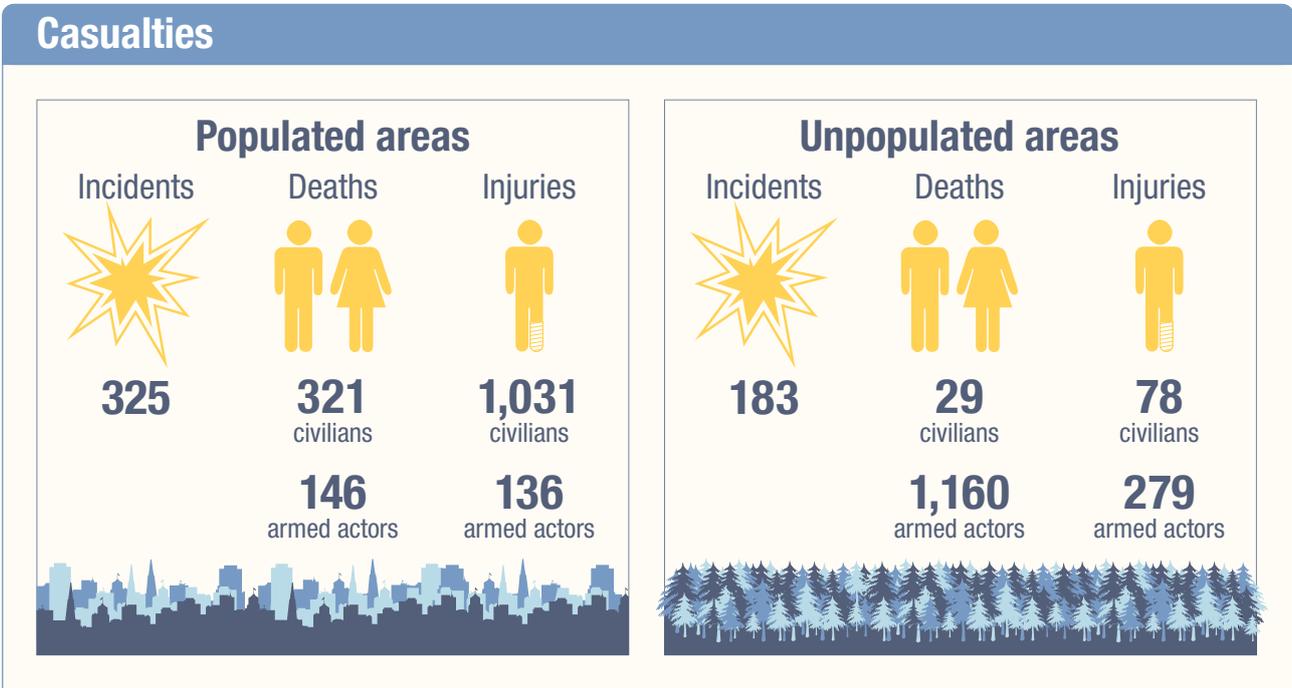




A civil society initiative that conducts research and analysis on harms and practices from the use of explosive weapons in populated areas for the International Network on Explosive Weapons (INEW).

MONTHLY UPDATE NOVEMBER 2022

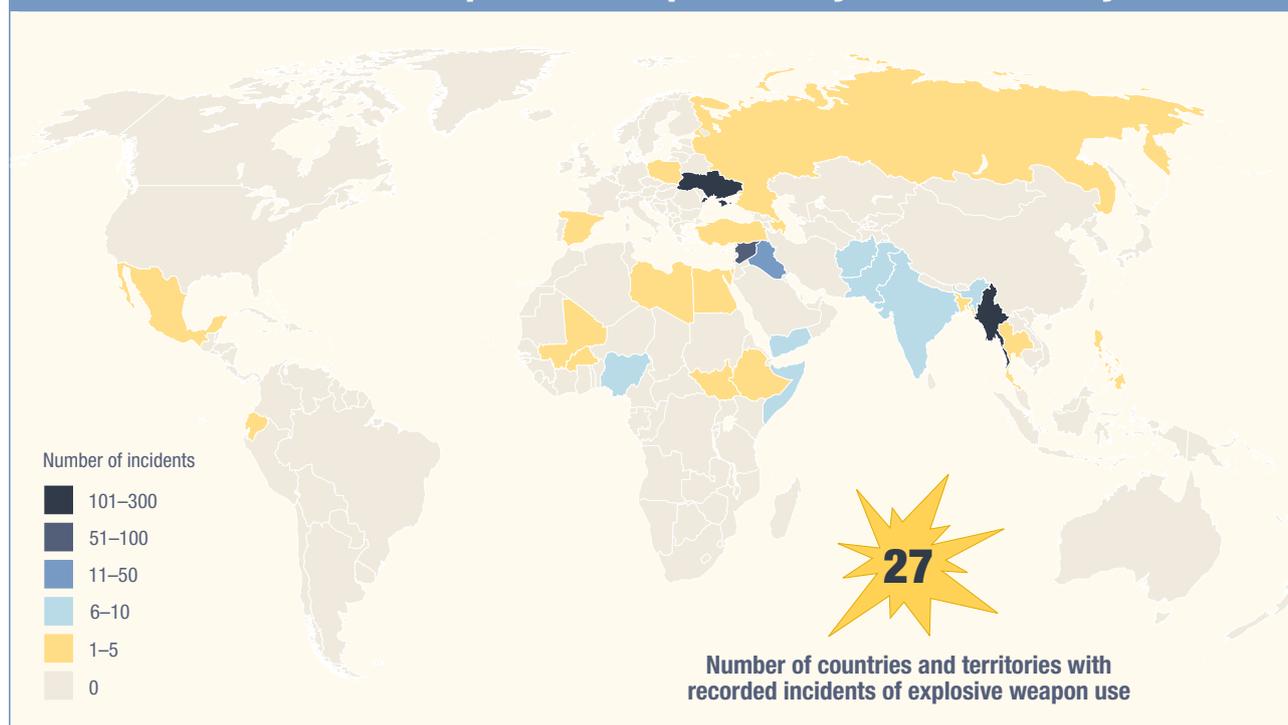


At least one death or injury from the use of explosive weapons was recorded in **27** countries and territories in November 2022. Worldwide, there were 508 incidents of explosive weapon use resulting in 3,180 casualties, of which 1,459 (46%) were civilians. Some of the most affected countries and territories in terms of civilian casualties from the use of explosive weapons were Afghanistan, Myanmar, Turkey, Syria, and Ukraine.

There were 30 incidents of explosive weapon use affecting healthcare services in five countries in November 2022. Incidents were most frequent in Ukraine where education and healthcare services were impacted by explosive weapon use. Incidents also occurred in Mexico, Myanmar, Syria and Turkey.

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.

Recorded incidents of explosive weapon use by state / territory



Afghanistan



58 Civilian casualties

In November 2022, there were six reported incidents of explosive weapon use in Afghanistan, which resulted in 58 civilian casualties, 17 of whom were killed and 41 injured. Civilians accounted for all casualties in November.

All civilian casualties occurred in populated areas. Specifically, 35 (60%) occurred in schools, nine (16%) in urban residential areas, and 12 (21%) on roads.

The regions in which civilian casualties were reported in Afghanistan were Samangan (35 civilian casualties), Kabul (7), Balkh (5), Takhar (5) and Kunar (4).

Non-state actors' use of explosive weapons reportedly caused 93% (54) of civilian casualties, specifically unknown non-state actors. Actors of unknown name and status caused 7% (4) of civilian casualties.

Non-specific IEDs reportedly caused 60% (35) of civilian casualties, mines caused 16% (9), roadside bombs caused 16% (9) and grenades caused 9% (5).

The highest casualty incident occurred on 30 November 2022, when 15 civilians were killed and 20 injured in an IED explosion outside a religious school in Aybak, Samangan.

The number of incidents of explosive weapon use in Afghanistan fell in November 2022 compared to the previous month, as 11 were recorded in October. Sources: *Al Jazeera*, *Crisis24*, *BBC*.

Azerbaijan



1 Civilian casualty

In November 2022, there were two incidents of explosive weapon use recorded in Azerbaijan, one of which resulted in one civilian injury. One armed actor was also injured in Azerbaijan in November.

On 5 November 2022, a man was injured in a mine explosion while working in a pasture near Karmir villagek. [🔗 Source: News am.](#)

Bangladesh



2 Civilian casualties

In November 2022, there were three incidents of explosive weapon use recorded in Bangladesh, which resulted in two civilian casualties, both of whom were injured. There were two armed-actor casualties also recorded in Bangladesh in November.

On 16 November 2022, one man was injured in a landmine explosion in Bandaran, Chittagong, while herding cows. In an earlier incident on 4 November 2022, one man was also injured in an IED explosion in an apartment building in Dhaka. [🔗 Sources: TBS News, New Age BD.](#)

Burkina Faso



Casualties

In November 2022, there were no incidents of explosive weapon use recorded in Burkina Faso which resulted in civilian casualties. Five armed-actor casualties were recorded.

On 25 November 2022, four soldiers were killed and one was injured in a roadside bomb blast in Djibo. [🔗 Sources: AFP, Guardian NG.](#)

Ecuador



Casualties

In November 2022, there were no recorded incidents of explosive weapon use in Ecuador which resulted in civilian casualties. Two armed-actor casualties were recorded, both of whom were killed.

On 1 November 2022, two police officers were killed in an IED attack in Guayaquil, Guayas. [🔗 Sources: BBC, WION, Reuters.](#)

Egypt



3 Civilian casualties

In November 2022, there was one recorded incident of explosive weapon use in Egypt which resulted in three civilian casualties, all of whom were killed. One armed-actor was also reportedly killed in the same incident.

On 6 November 2022, three civilians were killed along with one senior military officer in an IED explosion in Gelbana. [🔗](#) Sources: *Crisis24*, *Middle East Eye*.

Ethiopia



30 Civilian casualties

In November 2022, there was one incident of explosive weapon use recorded in Ethiopia, which resulted in 30 civilian casualties, all of whom were killed. There were no armed-actor casualties reported in Ethiopia in November.

On 9 November 2022 in Mandi, Oromia, at least 30 people were killed in a suspected Ethiopian drone strike on the town.

This was a significant decrease in the number of incidents of explosive weapon use recorded in Ethiopia in November 2022 compared to October, when there were seven incidents of explosive violence recorded, causing 336 civilian casualties (150 killed and 186 injured). [🔗](#) Sources: *Crisis24*, *Addis Standard*, *BBC*.

India



16 Civilian casualties

In November 2022, there were 10 incidents of explosive weapon use recorded in India, which resulted in 16 civilian casualties, 14 of whom were injured and 2 killed. Civilians accounted for 89% of all casualties, as two armed-actor casualties were also recorded (1 injured, 1 killed).

The use of directly-emplaced weapons was reportedly the cause of all civilian casualties. Specifically, the use of IEDs resulted in 15 civilian casualties and landmines in one civilian casualty.

The highest casualty incident took place on 27 November 2022 when four civilians were injured in an IED attack in Jagaddal, West Bengal, during an altercation due to the volume of the music at a wedding. [🔗](#) Sources: *ANI*, *PTI*.

Iraq



20 Civilian casualties

In November 2022, there were 17 incidents of explosive weapon use recorded in Iraq, which resulted in 20 civilian casualties, two of whom were killed and 18 injured. Civilians accounted for 21% of all casualties as 74 armed-actor casualties were also reported, 55 of whom were killed and 19 injured.

All civilian casualties occurred in populated areas. Specifically, 60% (12) occurred in public buildings, 25% (5) in urban residential areas, 10% (2) in a market and 5% (1) in a village.

The regions in which civilian casualties were reported in Iraq were Erbil (17 civilian casualties) and Nineveh (3).

The majority of civilian casualties, 12, were reportedly caused by explosive weapon use by Iranian armed forces. The use of explosive weapons by actors of unknown name and status resulted in six civilian casualties, and use by unknown non-state actors resulted in two civilian casualties.

Air-launched explosive weapons, specifically airstrikes, caused the majority, 60% (12), of civilian casualties. Directly-emplaced explosive weapons caused 40% (8) of civilian casualties, specifically landmines (5) and IEDs (3).

The highest casualty incident occurred on 14th November 2022, when a drone strike on Kurdistan Democratic Party headquarters by Iranian forces killed two civilians and injured 10 more in Koysinjaq, Erbil.

The number of incidents of explosive weapon use in Iraq in November 2022 fell compared to the number seen in October, when 26 incidents were recorded. Casualties also fell compared to October, when 73 civilian casualties were recorded. [🔗 Sources: Reuters, Al Jazeera, Crisis 24.](#)

Israel



20 Civilian casualty

In November 2022, there was one incident of explosive weapon use in Israel which resulted in civilian casualties.

On 23 November 2022, a 16 year old was killed and another 19 civilians were injured in a twin IED attack on bus stops in Jerusalem. The bombs were reported to have been remotely detonated. [🔗 Sources: Jerusalem Post, Sky News, CNN.](#)

Libya



6 Civilian casualties

In November 2022, there were two recorded incidents of explosive weapon use in Libya, which resulted in six civilian casualties, of whom three were killed and three injured.

On 2 November 2022, two civilians were killed and one was injured in Mizda town in a landmine explosion, and on 19 November 2022, one boy was killed and two other children were injured in a landmine explosion in Tripoli. [Sources: Libya Observer, Zawya, Libya Observer.](#)

Mali



Casualties

In November 2022, there were no recorded incidents of explosive weapon use in Mali which resulted in civilian casualties. Nine armed-actor casualties were recorded in Mali in November, all of whom were injured.

On 5 November 2022, six United Nations peacekeepers were injured when vehicles hit roadside IEDs in Douentza. [Sources: AP, North Africa Post.](#)

Mexico



Casualties

In November 2022, there were no recorded incidents of explosive weapon use in Mexico which resulted in civilian casualties. Two armed-actor casualties were recorded in Mexico in November, both of whom were killed.

On 26 November 2022, two police officers were killed by an IED dropped by drones which landed on a local police station in the town of Encarnacion de Diaz. [Sources: Vice, Hungary Posten.](#)



Healthcare

On 09 November 2022, a grenade was found in front of the Primary Health Care Medical Unit (UMAPS) in Celaya city, Guanajuato state. [Source: ACLED.](#)

Myanmar



158 Civilian casualties

In November 2022, there were 112 recorded incidents of explosive weapon use in Myanmar, 32 of which caused 158 civilian casualties, 37 of whom were killed and 121 injured. Civilian casualties included at least 27 children and 19 women. Civilians accounted for 21% of the total 744 casualties of explosive weapon use, as 586 armed-actor casualties were also recorded, 383 of whom were killed and 203 injured.

The majority of civilian casualties, 97% (154), occurred in populated areas. Specifically, 77% (121) occurred in villages, 8% (13) at schools and 7% (11) on transport-related infrastructure.

The states in which the most civilian casualties were reported in Myanmar were Rakhine (69 civilian casualties), Shan (26), Karen (21), and Kayah (14).

The majority of civilian casualties, 85% (135), were caused by the use of explosive weapons by Myanmar military forces. Non-state actors caused 11% (18) of civilian casualties, and 3% (5) civilian casualties were caused by incidents where the status of the perpetrator was unknown.

Ground-launched weapons were the cause of 63% (100) of civilian casualties, specifically artillery shelling (51), mortars (40) and non-specific shelling (9). Air-launched weapons caused 15% (24) of civilian casualties, and directly-emplaced weapons caused 11% (18) of civilian casualties, specifically IEDs.

The highest casualty incident occurred on 16 November 2022, when 10 civilians were killed and 27 injured in Myanmar mortar shelling of Jeitchaung village, Rakhine. Civilians were attending a religious ceremony at one of the houses. Three homes were destroyed.

The number of incidents and recorded civilian casualties from explosive weapon use in Myanmar in November 2022 were comparable to the numbers recorded in October 2022, when 155 civilian casualties were reported, 49 of whom were killed and 106 injured.

🔗 Sources: *BNI, Myanmar Now, Mizzima.*



Healthcare

In November 2022, there were two incidents of explosive weapon use affecting access to healthcare in Ethiopia.

On 08 November 2022, a health worker was injured in a landmine explosion while on his way to meet a patient near Kyar Ta Kan village, Htan Pin Kone village tract, Kyunhla township, Kanbalu district, Sagaing region. The Myanmar military attributed the planting of the landmine to local defence forces.

On 18 November 2022, a private dental clinic, two shops, and a car were damaged and one civilian killed in an explosion of unidentified origin in Mandalay region. 🔗 Sources: *BBC Burmese, Facebook, Telegram.*

Nigeria



7 Civilian casualties

In November 2022, there were 10 recorded incidents of explosive weapon use in Nigeria, which resulted in seven civilian casualties, of whom six were killed and one injured. Civilians accounted for 9% of all casualties, as 70 armed-actor casualties were also reported in Nigeria in November, of whom 55 were killed and 15 injured.

The highest civilian casualty incident occurred on 8 November 2022, when four cow herders were killed, including one woman and one child, in airstrikes in Abuni and Adudu villages, Nasarawa. [Sources: Leadership NG, Platinum Post NG.](#)

Pakistan



19 Civilian casualties

In November 2022, there were nine recorded incidents of explosive weapon use in Pakistan, eight of which caused 19 civilian casualties, 10 of whom were killed and nine injured. Civilian casualties included at least two children and one woman. Civilians accounted for 35% of the total 55 casualties of explosive weapon use, as 36 armed-actor casualties were also recorded in November.

The highest casualty incident occurred on 30 November 2022, when two civilians were killed and three injured in a suicide attack targeting police in Quetta. One police officer was also killed and 20 were injured. [Sources: Dawn, Nation, Pajhwok.](#)

Philippines



12 Civilian casualties

In November 2022, there were two incidents of explosive weapon use recorded in the Philippines, one of which resulted in 12 civilian casualties, of whom one was killed and 11 injured. Six armed-actor casualties were also recorded in the Philippines in November.

On 6 November 2022, one civilian was killed and 11 were injured in an IED explosion on a bus in Tacurong City. [Sources: Manila Bulletin, AP, Crisis 24.](#)

Poland



2 Civilian casualties

In November 2022, there was one incident of explosive weapon use recorded in Poland, which resulted in two civilian casualties, both of whom were killed.

On 16 November 2022, two civilians were killed in an explosion caused by a missile that struck in Przewodow, Lublin, near the border with Ukraine. While the missile was Russian-made, it was most likely fired by Ukraine in defense against a Russian attack.

 Sources: *Washington Post*, *New York Times*, *AP*.

Russia



12 Civilian casualties

In November 2022, there were five incidents of explosive weapon use recorded in Russia, which resulted in 12 civilian casualties, six of whom were killed and six were injured. Civilian casualties included at least one woman. No armed-actor casualties were reported in Russia in November.

The highest casualty incident occurred on 15 November 2022, when two civilians were killed and five injured in shelling on Shebekino, Belgorod.  Sources: *Reuters*, *TASS*.

Somalia



33 Civilian casualties

In November 2022, there were seven recorded incidents of explosive weapon use in Somalia, two of which caused 33 civilian casualties, 12 of whom were killed and 21 injured. Civilians accounted for 38% of the total 88 casualties of explosive weapons use in Somalia in November, as 55 armed actors were also killed.

Both incidents which caused civilian casualties occurred in populated areas, in attacks using IEDs by non-state groups. Both occurred in Mogadishu.

The highest casualty incident took place on 5 November 2022, when Al Shabaab carried out a suicide attack near a military training centre in Mogadishu, with other blasts also occurring around the city. Ten civilians were killed and 15 were injured.  Sources: *Critical Threats*, *Voice of America*, *Crisis24*.

South Sudan



2 Civilian casualties

In November 2022, there was one recorded incident of explosive weapon use in South Sudan which resulted in two civilian casualties, both of whom were injured. One armed-actor casualty was also recorded in South Sudan in November.

On 12 November 2022, two civilians were injured and one soldier was killed when the soldier detonated a grenade in the Nyinakok market, Bahr el Ghazal. [🔗 Sources: Sudan Tribune, Eye Radio.](#)

Spain



1 Civilian casualty

In November 2022, there was one recorded incident of explosive weapon use in Spain which resulted in one civilian injury.

On 30 November 2022, a male employee at the Ukrainian embassy in Madrid was injured in letter bomb explosion. The letter was addressed to the Ukrainian ambassador. [🔗 Sources: BBC, Washington Post, AFP.](#)

Syria



175 Civilian casualties

In November 2022, there were 73 incidents of explosive weapon use recorded in Syria, 30 of which resulted in 175 civilian casualties, 31 of whom were killed and 144 injured. At least eight women and 14 children were reportedly among the civilian casualties. Civilians accounted for 54% of the total 327 casualties, as there were also 152 recorded armed-actor casualties, 90 of whom were killed and 62 injured.

The majority of civilian casualties, 94% (165), occurred in populated areas. Specifically, 49% (85) occurred in encampments, 23% (40) in villages, 9% (15) in urban residential areas and 6% (10) in schools.

The regions which saw the highest levels of civilian casualties were Idlib (103 civilian casualties), Hasakah (44), and Aleppo (21).

The majority of civilian casualties, 47% (43), were reportedly caused by state use of explosive weapons, specifically Syrian forces (108 civilian casualties) and Turkey (50). Among non-state actors, the Syrian Democratic Forces (SDF) were reported to have caused ten civilian casualties in explosive weapons incidents.

The majority of civilian casualties, 71% (124), were caused by ground-launched weapons, specifically rockets (85), non-specific shelling (16) and artillery shells (15). Air-launched explosive weapons caused 23% (41) of civilian casualties, specifically airstrikes.

Syria

The highest casualty incident in Syria in November occurred on 6 November 2022 when 10 people were killed and 77 were injured in rocket shelling by Syrian forces, which reportedly included cluster bombs, on IDP camps near Idlib city.

The number of incidents of explosive weapon use in Syria in November 2022 saw a slight decrease compared to October, when 74 incidents were recorded. However, more civilian casualties were recorded in November, as 91 civilian casualties were recorded in October.

🔗 Sources: SOHR, Airwars, AP, SOHR, ANF, Airwars, ANHA, SOHR, ANF, NPA, Airwars, ANHA, ANF, ANHA, ANHA, ANHA, ANF, Airwars, Airwars, NPA, NPA, ANHA, ANHA, ANF, ANHA, SOHR, NPA, ANF, SOHR, ANHA, ANF, SOHR, ANHA, Airwars



Healthcare

In November 2022, there were two incidents of explosive weapon use affecting access to healthcare in Syria.

On 20 November 2022, a male health worker was killed in a double-tap airstrike allegedly conducted by Turkish forces in Takl Bakl village, Hasakah governorate, Syria. He was on his way to treat those wounded from the first strike. At least 11 other civilians were killed in the attack.

On 20 November 2022, a medical building being used as a COVID-19 centre was destroyed by a suspected airstrike by Turkish armed forces in Mistenur area, Hasakah governorate.

🔗 Sources: Airwars I, Airwars II.



Aid Access

On 06 November 2022, Russian warplanes, aided by Syrian artillery, dropped cluster munitions on forests near four makeshift IDP camps located in close proximity to each other in Idlib governorate. 🔗 Sources: Airwars, Human Rights Watch, New Age, Office of the High Commissioner For Human Rights, Reuters, Tages Schau, The New Arab and The New Humanitarian.

Thailand



30 Civilian casualties

In November 2022, there were three recorded incidents of explosive weapon use in Thailand, which resulted in 30 civilian casualties, all of whom were injured. An additional three armed-actor casualties were also reported, of whom two were killed and one injured.

On 22 November 2022, 29 people were injured and one police officer was killed in a car bomb explosion near a school and police station in Muang, Narathiwat. 🔗 Sources: Thai PBS, Reuters, Benar News.

Turkey



100 Civilian casualties

In November 2022, there were three recorded incidents of explosive weapon use in Turkey, which resulted in 100 civilian casualties, of whom nine were killed and 91 injured. An additional eight armed-actor casualties were also recorded, all of whom were injured.

In one high casualty incident on 13 November 2022, six civilians were killed and 81 were injured when an IED detonated on a busy shopping street near Taksim Square in Istanbul.

🔗 Sources: *Al Jazeera*, *BBC*, *Reuters*.



Education

On 21 November 2022, rockets fired from neighbouring Syria by suspected Kurdish militants killed three people, including a child and a teacher, in Karkamis town, Gaziantep province, Turkey. 🔗 Sources: *Bloomberg*, *DW* and *The New Arab*.

Ukraine



722 Civilian casualties

In November 2022, there were 223 incidents of explosive weapon use recorded in Ukraine, 217 of which resulted in 722 civilian casualties, of whom 171 were killed and 551 injured. Civilian casualties included at least 12 children and 29 women. There were 665 armed-actor casualties recorded in November, of whom 620 were killed and 45 injured.

The majority of civilian casualties, 89% (644), occurred in populated areas. Specifically, 356 (48%) occurred in multiple urban areas, and 35% (250) occurred in urban residential areas. Civilian casualties were also recorded in attacks on commercial premises, hospitals, humanitarian infrastructure, markets, schools and villages.

The regions in which civilian casualties were reported in Ukraine were Donetsk (254 civilian casualties), Kherson (217), Kharkiv (75), Dnipropetrovsk (57), Kyiv (52), Zaporizhzhia (38), Mykolaiv (19), Sumy (7), Khmelnytskyi (2) and Odesa (1).

The vast majority of civilian casualties, 97% (699), were caused by state actors' use of explosive weapons. Specifically, Russian armed forces caused 96% (690) of civilian casualties and Ukraine's armed forces caused 1% (9). Perpetrators of unknown status and name were the perpetrator in the case of 3% (21) of civilian casualties. Non-state armed groups caused <1% of civilian casualties, specifically unknown non-state actors (2).

The use of ground-launched explosive weapons were the cause of 86% (623) of civilian casualties, specifically non-specific shelling (542), combined ground-launched explosive weapons (36), missiles (11), rockets (20), artillery shelling (12), and mortars (2). Weapons of unclear launch method were the cause of 8% (56) of civilian casualties. Air-launched weapons, specifically air strikes, caused 2% (15) civilian casualties. Directly-emplaced weapons caused 5% (28) of civilian casualties, specifically landmines (26) and car bombs (2).

Ukraine

The highest casualty incident occurred on 25 November 2022, when 15 civilians were killed and 35 injured in Russian shelling on Kherson city. Houses, apartment buildings and schools were also damaged in the shelling.

The number of incidents of explosive weapon use in Ukraine in November saw a decrease from October, in which 233 incidents caused 1,013 civilian casualties (298 killed and 715 injured). This is a continued decline since September. [🔗 Sources: Ukrinform, France 24.](#)



Education

In November 2022, eight incidents of explosive weapon use affecting the provision of education were recorded in Ukraine. Incidents include frequent reports that mines were placed at or near schools in Dnipropetrovsk, Lviv, Zakarpattia. Schools also continued to be damaged by use of explosive weapons.

In one incident on 07 November 2022, a long-range surface-to-air missile attack by Russian forces partially destroyed a school building in Kherson oblast. [🔗 Sources: Cripa, Interfax, ITTA, Kavun, Most, Patriots of Danbos, PU, RBK, Radio Svoboda, Telegram, Ukraine Pravda and Ukrinform.](#)



Healthcare

In November 2022, 16 incidents of explosive weapon use affecting the provision of healthcare were recorded in Ukraine.

On 11 November 2022, a paramedic was badly burned after he tried to save a soldier from a burning Ukrainian military helicopter that was shot down by Russian forces' use of man-portable air-defence systems (MANPADs) in Luka-Meleshkivska village, Vinnytsia oblast.

On 23 November 2022, Russian forces launched a rocket attack with S-300 missiles on the maternity ward of Vilniansk city central district hospital, Zaporizhzhia oblast. A two-day-old newborn was killed. The mother of the newborn child survived, two doctors were injured, one of whom was badly burned. Source: Confidentially-shared information.

Yemen



30 Civilian casualties

In November 2022, there were 10 incidents of explosive weapon use recorded in Yemen, four of which resulted in 30 civilian casualties, of whom seven were killed and 23 injured. Civilians accounted for 42% of the total 71 casualties, as there were also 41 recorded armed-actor casualties, 21 of whom were killed and 20 injured.

All civilian casualties occurred in populated areas. Specifically, 50% (15), occurred in urban residential areas, and 50% (15) occurred in villages.

The regions in which civilian casualties were reported in Yemen were Lahj (where 15 civilian casualties were recorded), Abyan (9), Hudaydah (5), and Taiz (1).

Yemen

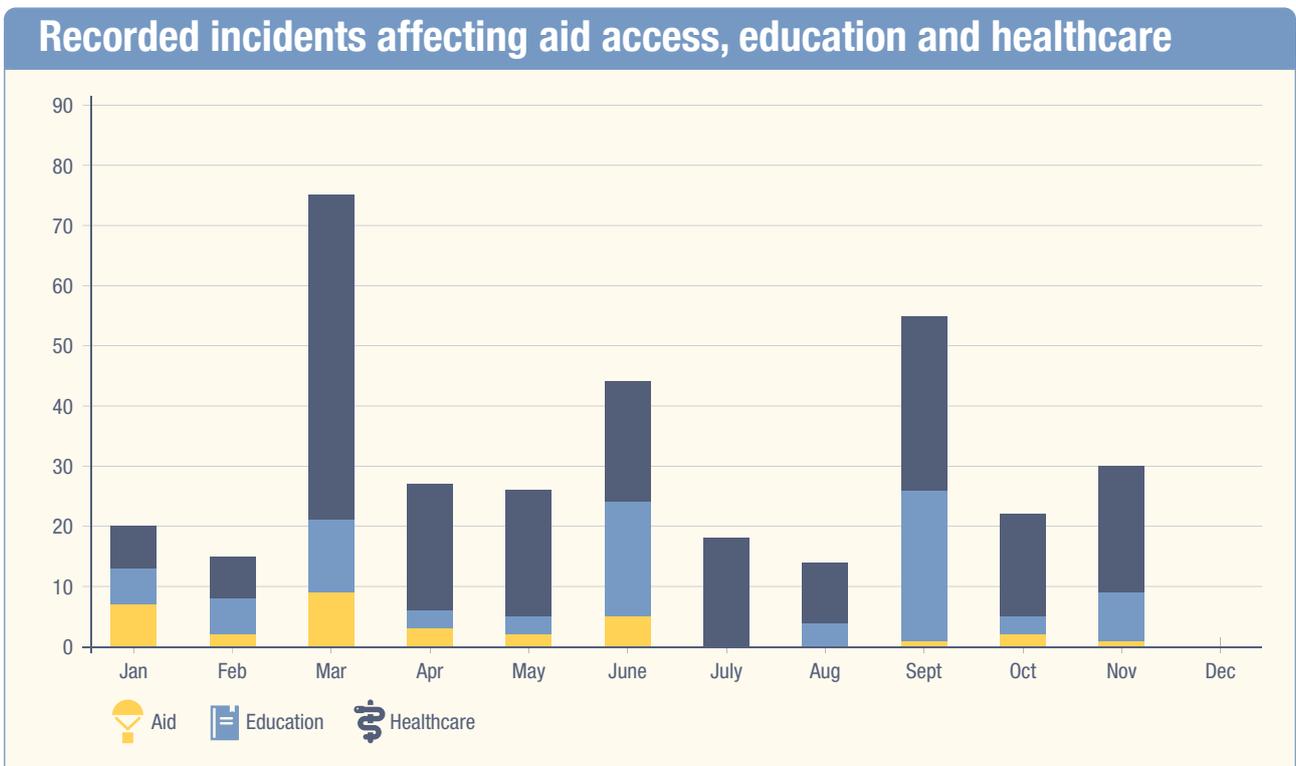
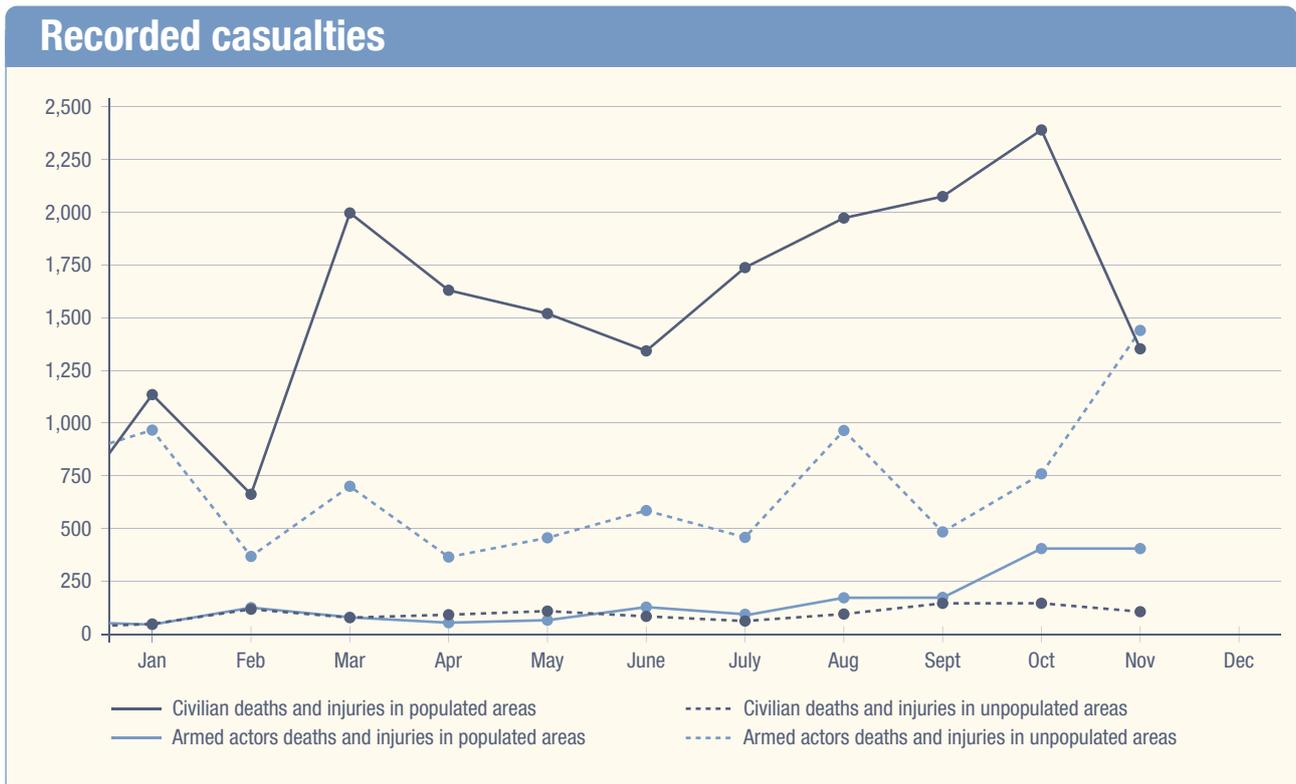
The majority of civilian casualties, 80% (24), were caused by non-state actors' use of explosive weapons, specifically Houthi militants. Actors of unknown name and status caused one civilian casualty, while state actors, specifically Saudi Arabia, reportedly caused five civilian casualties.

The use of ground-launched weapons was the cause of all civilian casualties. Specifically, missiles caused 80% (24) of casualties, non-specific shelling caused 17% (5), and artillery shelling caused 3% (1).

The highest casualty incident occurred on 11 November 2022, when two civilians were killed and 13 others were injured in a Houthi guided missile strike against a military vehicle in Qadash, Lahj. Four Yemeni soldiers were also killed.

The number of incidents of explosive weapon use in Yemen in November was less than half the number seen in October, when 23 incidents were recorded, causing 44 civilian casualties. [🔗](#) Sources: *Famagusta Gazette*, *Arab News*.

ANNUAL 2022 COUNT



Data collection is ongoing and data may change as more information is made available.

Explosive Weapons Type				
Recorded incidents between 1 January and 30 November 2022				
	Air-launched 	Ground-launched 	Directly emplaced 	Combination 
	3,367 Civilian casualties 48% of total	9,537 Civilian casualties 86% of total	4,611 Civilian casualties 58% of total	355 Civilian casualties 31% of total
	11 Aid access incidents	8 Aid access incidents	12 Aid access incidents	1 Aid access incident
	9 Education incidents	69 Education incidents	17 Education incidents	0 Education incident
	35 Healthcare incidents	163 Healthcare incidents	26 Healthcare incidents	1 Healthcare incident

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.

