Supplementary Table S1. Country-level distribution of chemical terrorism incidents, fatalities, injuries, and severity scores.

Country	Frequency	Killed	Wounded	Severity
Japan	13	21	6,746	6,822
Afghanistan	67	40	3,607	3,794
Iraq	52	118	2,130	2,536
Uganda	1	200	0	601
Syria	12	45	421	568
Angola	1	0	405	406
Yemen	4	47	201	346
Greater China region	5	0	250	255
Colombia	12	72	18	246
Philippines	2	19	140	199
Tajikistan	2	25	53	130
Somalia	1	32	10	107
United States	28	0	58	86
Sri Lanka	4	5	64	83
Zimbabwe	1	7	47	69
Madagascar	1	8	40	65
Turkey	2	21	0	65
Canada	3	0	57	60
Nigeria	3	17	3	57
Italy	4	0	50	54
India	12	5	18	45
Pakistan	9	2	21	36
Russia	6	5	12	33
Venezuela	4	0	28	32
Belgium	9	0	20	29
Australia	3	0	23	26
United Kingdom	9	2	11	26
Germany	16	0	9	25
Czech Republic	3	0	20	23
France	4	4	6	22
West Bank and Gaza Strip	6	1	10	19
Israel	4	0	13	17
Democratic Republic of the Congo	1	2	6	13
Peru	3	3	0	12
Switzerland	1	0	9	10
Tanzania	3	0	5	8

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Chile	4	0	3	7
New Zealand	7	0	0	7
Ukraine	3	1	1	7
Namibia	1	0	5	6
Netherlands	1	0	5	6
Sweden	2	1	0	5
Vietnam	4	0	0	4
Bulgaria	2	0	1	3
Cambodia	2	0	1	3
Indonesia	2	0	1	3
Thailand	1	0	2	3
Argentina	2	0	0	2
Jordan	1	0	1	2
Kosovo	1	0	1	2
Libya	1	0	1	2
Mexico	1	0	1	2
Nepal	2	0	0	2
Albania	1	0	0	1
Austria	1	0	0	1
Brazil	1	0	0	1
Denmark	1	0	0	1
El Salvador	1	0	0	1
Honduras	1	0	0	1
Iran	1	0	0	1
Lebanon	1	0	0	1
South Africa	1	0	0	1
Grand Total	**357**	**703**	**14534**	**17000**

Note: *Severity = 3*nkill + 1*nwound+ 1*frequency; To ensure consistency with current boundaries, Germany and West Germany (FRG) were consolidated into a single entity; the same approach was applied to Yemen and North Yemen, as well as mainland China, Hong Kong, SAR and Taiwan, China. This harmonization reduced the dataset from 66 to 63 country-level records while preserving the aggregate totals of 357 incidents, 703 fatalities, 14,534 injuries, and an overall severity score of 17,000.*

Supplementary Table S2. Country label harmonization used in the analysis.

Final country label	Combined from	Final values
Germany	Germany and West Germany (FRG)	16 incidents, 0 killed, 9 wounded, severity 25
Yemen	Yemen and North Yemen	4 incidents, 47 killed, 201 wounded, severity 346

Greater China region	China mainland, Taiwan, China, and Hong Kong, SAR, China	5 incidents, 0 killed, 250 wounded, severity 255

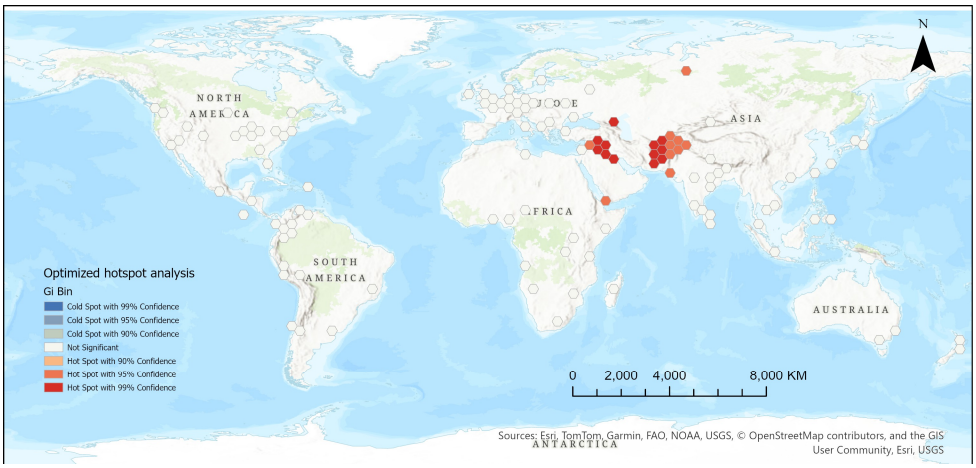
Supplementary Table S3. High-impact attacks based on fatalities (n = 12).

High-Impact Attacks Based on Fatalities (n = 12)					
Year	**Country**	**City**	**Attack Type**	**Killed**	**Wounded**
2000	Uganda	Kasese	Unarmed Assault	200	0
1999	Colombia	Jurado	Unarmed Assault	65	0
2021	Yemen	Sanaa	Bombing/Explosion	45	200
2014	Iraq	Hit	Bombing/Explosion	36	0
2017	Somalia	Baidoa district	Unarmed Assault	32	10
2013	Syria	Khan al-Assal	Bombing/Explosion	25	130
2016	Iraq	Mosul	Hostage Taking	25	0
1994	Turkey	Unknown	Unarmed Assault	21	0
2007	Iraq	Ramadi	Bombing/Explosion	20	30
1987	Philippines	Zamboanga City	Unarmed Assault	19	140
1994	Tajikistan	Unknown	Unarmed Assault	15	53
2014	Nigeria	Shengev	Unarmed Assault	15	0

Supplementary Table S4. High-impact attacks based on injuries (n = 9).

High-Impact Attacks Based on Injuries (n = 9)					
Year	**Country**	**City**	**Attack Type**	**Killed**	**Wounded**
1995	Japan	Tokyo	Unarmed Assault	13	5,500
2016	Iraq	Taza Khurmatu	Bombing/Explosion	3	1,500
1995	Japan	Yokohama	Unarmed Assault	0	671
1994	Japan	Matsumoto	Unarmed Assault	7	500
2017	Angola	Luanda	Unarmed Assault	0	405
2018	Afghanistan	Jabal Saraj district	Unarmed Assault	0	301

2007	Iraq	Albu Issa	Bombing/Explosion	1	250
2012	Afghanistan	Ismail Khil	Unarmed Assault	0	250
2013	Afghanistan	Marmul district	Unarmed Assault	0	250



Supplementary Figure S1. Optimized Hot Spot Analysis Results