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## **PRE-ATTACK COMMUNICATIONS AND BEHAVIORS OF MASS PUBLIC SHOOTERS (PACB-MPS) DATABASE CODEBOOK (VERSION 1.0)**

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## PERPETRATOR INFORMATION

### PID (Perpetrator ID)

N	%	Value	Description
175	100.0	Range	Varies

#### Description

Unique perpetrator ID number.

### EID (Event ID)

N	%	Value	Description
175	100.0	Range	Varies

#### Description

ID number for corresponding event that can be used to link with the event-level data (MPSE).

### NAME (Perpetrator Name)

N	%	Value	Description
175	100.0	String	Varies

#### Description

Name of the perpetrator.

### AGE (Perpetrator Age)

N	%	Value	Description
175	100.0	Range	12 to 88 (Median = 29; Mean = 32.91; SD = 15.28)

#### Description

Age of the perpetrator in years.

### SEX (Perpetrator Sex)

N	%	Value	Description
166	94.9%	1	Male
9	5.1%	0	Female

#### Description

Sex of the perpetrator.

### LGBTQ (LGBTQIA+ Status)

N	%	Value	Description
7	4.0%	1	Yes
3	1.7%	0	No
165	94.3%	-99	Missing

#### Description

Whether the perpetrator identified as a member of the LGBTQIA+ community.

### RACE (Perpetrator Race)

N	%	Value	Description
109	62.3%	1	White
32	18.3%	2	Black
15	8.6%	3	Hispanic
9	5.1%	4	Asian
3	1.7%	5	Native American
5	2.9%	6	Middle Eastern
2	1.1%	7	Biracial or Multiracial
0	0.0%	8	Other
0	0.0%	-99	Missing

#### Description

Perpetrator's race / ethnicity based on police records or visual identification.

### RACE\_OTHER (Other Race)

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

#### Description

If perpetrator is identified as OTHER race (RACE = 8), this is a description of their racial / ethnic identification.

### OCCUPATION (Perpetrator Occupation)

N	%	Value	Description
167	95.4%	String	Varies
8	4.6%	-99	Missing

#### Description

The occupation held by the perpetrator at the time of the shooting.

### CRIM\_HIST (Perpetrator Criminal History)

N	%	Value	Description
52	29.7%	1	Yes
48	27.4%	0	No
75	42.9%	-99	Missing

#### Description

Whether the perpetrator has a prior criminal history (based on a court adjudication of guilt).

### LE\_CONTACT (Prior Law Enforcement Contact)

N	%	Value	Description
112	64.0%	1	Yes
9	5.1%	0	No
54	30.9%	-99	Missing

#### Description

Whether the perpetrator has previously had contact with law enforcement, including arrest, regardless of whether it ended with a court proceeding.

### LE\_CONTACT\_DESCRIBE (Description of Contact)

N	%	Value	Description
112	64.0%	String	Varies
63	36.0%	-99	Missing

#### Description

If the perpetrator had prior contact with law enforcement (LE\_CONTACT = 1), this is a description of that contact.

### DV\_HISTORY (History of Domestic Violence)

N	%	Value	Description
42	24.0%	1	Yes
0	0.0%	0	No
133	76.0%	-99	Missing

#### Description

Whether the perpetrator has a documented history of domestic violence, regardless of whether the police and/or courts were notified.

### MILITARY (Military Experience)

N	%	Value	Description
27	15.4	0	No Prior Military Experience
4	2.3	1	Current Member
20	11.4	2	Veteran / Former Member
124	70.9	-99	Missing

#### Description

Whether the perpetrator has a documented history of current or prior experience in the military at the time of the shooting.

### RESOLUTION (Event Resolution)

N	%	Value	Description
31	17.7%	1	Die by Suicide – Before Police Arrive
31	17.7%	2	Die by Suicide – After Police Arrive
35	20.0%	3	Police Interdiction – Lethal
25	14.3%	4	Police Interdiction – Non-Lethal
4	2.3%	5	Civilian Interdiction – Lethal
16	9.1%	6	Civilian Interdiction – Non-Lethal
10	5.7%	7	Surrender
23	13.1%	8	Flee
0	0.0%	-99	Missing

#### Description

The manner in which the event ended based on the conclusion of the shooting.

If the perpetrator fled the scene and was neutralized at a later time through lethal or non-lethal interdiction, the case was coded as them fleeing.

### PERP\_DIED (Perpetrator Died in Attack)

N	%	Value	Description
96	54.9%	1	Yes
79	45.1%	0	No
0	0.0%	-99	Missing

#### Description

Whether the perpetrator had died by the end of the attack, regardless of the resolution type.

## FIREARMS AND WEAPONS INFORMATION

### F1\_TYPE (Firearm # 1: Type)

N	%	Value	Description
103	58.9%	1	Handgun
50	28.6%	2	Rifle
21	12.0%	3	Shotgun
1	0.6%	4	Unknown
0	0.0%	-99	Missing

#### Description

What type the primary firearm used in the shooting is.

### F1\_FIRING (Firearm # 1: Firing Mechanism)

N	%	Value	Description
132	75.4%	1	Semi-Automatic
2	1.1%	2	Fully Automatic
29	16.6%	3	Other (e.g., bolt-action, lever, revolver)
9	5.1%	4	Unknown
3	1.7%	-99	Missing

#### Description

What type of firing mechanism is used in the primary firearm.

### F1\_DESCRIPTION (Firearm # 1: Description)

N	%	Value	Description
170	97.1%	String	Varies
5	2.9%	-99	Missing

#### Description

The specific make, model, and caliber of the primary firearm, if available.

### F1\_SOURCE (Firearm # 1: Source of Acquisition)

N	%	Value	Description
75	42.9%	1	Purchased from a Federal Firearms Licensee
9	5.1%	2	Purchased from a Private Citizen
0	0.0%	3	Illegal Purchase (black market)
2	1.1%	4	Gift
18	10.3%	5	Access in Home
6	3.4%	6	Straw Purchase (purchased by another person on behalf of the perpetrator)
12	6.9%	7	Theft
4	2.3%	8	Ghost Gun / Made with a Kit or 3D Printed
0	0.0%	9	Other
0	0.0%	10	Unknown
49	28.0%	-99	Missing

#### Description

How the perpetrator acquired their primary firearm.

### F1\_SOURCE\_OTHER (Firearm # 1: Description of Other Source)

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

#### Description

If the perpetrator acquired their firearm through another source (F1\_SOURCE = 9), this is a description of that source of acquisition.

### F1\_DATE (Firearm # 1: Date of Acquisition)

N	%	Value	Description
80	45.7%	Date	Varies
95	54.3%	-99	Missing

#### Description

The date that the perpetrator purchased or otherwise acquired the primary firearm.

**F1\_CITY (Firearm # 1: City of Acquisition)**

N	%	Value	Description
74	42.3%	String	Varies
101	57.7%	-99	Missing

**Description**

The city where the perpetrator purchased or otherwise acquired the primary firearm.

**F1\_STATE (Firearm # 1: State of Acquisition)**

N	%	Value	Description
1	0.6%	1	Alabama
0	0.0%	2	Alaska
2	1.1%	3	Arizona
1	0.6%	4	Arkansas
7	4.0%	5	California
6	3.4%	6	Colorado
0	0.0%	7	Connecticut
0	0.0%	8	Delaware
0	0.0%	9	District of Columbia
7	4.0%	10	Florida
1	0.6%	11	Georgia
0	0.0%	12	Hawaii
0	0.0%	13	Idaho
3	1.7%	14	Illinois
1	0.6%	15	Indiana
0	0.0%	16	Iowa
0	0.0%	17	Kansas
3	1.7%	18	Kentucky
2	1.1%	19	Louisiana
2	1.1%	20	Maine
3	1.7%	21	Maryland
0	0.0%	22	Massachusetts
3	1.7%	23	Michigan
1	0.6%	24	Minnesota
1	0.6%	25	Mississippi
1	0.6%	26	Missouri
0	0.0%	27	Montana
1	0.6%	28	Nebraska
1	0.6%	29	Nevada
0	0.0%	30	New Hampshire
0	0.0%	31	New Jersey
3	1.7%	32	New Mexico
3	1.7%	33	New York

0	0.0%	34	North Carolina
0	0.0%	35	North Dakota
5	2.9%	36	Ohio
1	0.6%	37	Oklahoma
2	1.1%	38	Oregon
0	0.0%	39	Pennsylvania
0	0.0%	40	Rhode Island
1	0.6%	41	South Carolina
0	0.0%	42	South Dakota
2	1.1%	43	Tennessee
4	2.3%	44	Texas
1	0.6%	45	Utah
0	0.0%	46	Vermont
4	2.3%	47	Virginia
1	0.6%	48	Washington
0	0.0%	49	West Virginia
5	2.9%	50	Wisconsin
0	0.0%	51	Wyoming
99	56.6%	-99	Missing

**Description**

The state where the perpetrator purchased or otherwise acquired the primary firearm.

**F1\_BG\_CHECK (Firearm # 1: Background Check)**

N	%	Value	Description
75	42.9%	1	Yes
2	1.1%	0	No
100	56.0%	-99	Missing

**Description**

Whether the perpetrator passed a background check to purchase or otherwise acquire the primary firearm.

**F1\_WAITING (Firearm # 1: Mandatory Waiting Period)**

N	%	Value	Description
5	2.9%	1	Yes
8	4.6%	0	No
162	92.6%	-99	Missing

**Description**

Whether the perpetrator completed a mandatory waiting period in the course of the purchase / acquisition the primary firearm.

### F1\_USED (Firearm # 1: Used in Shooting)

N	%	Value	Description
175	100.0%	1	Yes
0	0.0%	0	No
0	0.0%	-99	Missing

#### Description

Whether the primary firearm was used during the actual mass public shooting event.

### F2\_TYPE (Firearm # 2: Type)

N	%	Value	Description
51	29.1%	1	Handgun
9	5.1%	2	Rifle
14	8.0%	3	Shotgun
0	0.0%	4	Other
101	57.7%	-99	Missing

#### Description

What type the additional firearm used in the shooting is.

### F2\_FIRING (Firearm # 2: Firing Mechanism)

N	%	Value	Description
46	26.3%	1	Semi-Automatic
0	0.0%	2	Fully Automatic
26	14.9%	3	Other (e.g., bolt-action, lever, revolver)
1	0.6%	4	Unknown
102	58.3%	-99	Missing

#### Description

What type of firing mechanism is used in the additional firearm.

### F2\_DESCRIPTION (Firearm # 2: Description)

N	%	Value	Description
73	41.7%	String	Varies
102	58.3%	-99	Missing

#### Description

The specific make, model, and caliber of the additional firearm, if available.

**F2\_SOURCE (Firearm # 2: Source of Acquisition)**

N	%	Value	Description
23	13.1%	1	Purchased from a Federal Firearms Licensee
4	2.3%	2	Purchased from a Private Citizen
0	0.0%	3	Illegal Purchase (black market)
1	0.6%	4	Gift
8	4.6%	5	Access in Home
3	1.7%	6	Straw Purchase (purchased by another person on behalf of the perpetrator)
4	2.3%	7	Theft
1	0.6%	8	Ghost Gun / Made with a Kit or 2D Printed
0	0.0%	9	Other
0	0.0%	10	Unknown
131	74.9%	-99	Missing

**Description**

How the perpetrator acquired their additional firearm.

**F2\_SOURCE\_OTHER (Firearm # 2: Description of Other Source)**

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

**Description**

If the perpetrator acquired their firearm through another source (F2\_SOURCE = 9), this is a description of that source of acquisition.

**F2\_DATE (Firearm # 2: Date of Acquisition)**

N	%	Value	Description
28	16.0%	Date	Varies
147	84.0%	-99	Missing

**Description**

The date that the perpetrator purchased or otherwise acquired the additional firearm.

**F2\_CITY (Firearm # 2: City of Acquisition)**

N	%	Value	Description
25	14.3%	String	Varies
150	85.7%	-99	Missing

**Description**

The city where the perpetrator purchased or otherwise acquired the additional firearm.

**F2\_STATE (Firearm # 2: State of Acquisition)**

N	%	Value	Description
0	0.0%	1	Alabama
0	0.0%	2	Alaska
1	0.6%	3	Arizona
1	0.6%	4	Arkansas
2	1.1%	5	California
5	2.9%	6	Colorado
0	0.0%	7	Connecticut
0	0.0%	8	Delaware
0	0.0%	9	District of Columbia
2	1.1%	10	Florida
1	0.6%	11	Georgia
0	0.0%	12	Hawaii
0	0.0%	13	Idaho
0	0.0%	14	Illinois
1	0.6%	15	Indiana
0	0.0%	16	Iowa
0	0.0%	17	Kansas
0	0.0%	18	Kentucky
0	0.0%	19	Louisiana
1	0.6%	20	Maine
0	0.0%	21	Maryland
0	0.0%	22	Massachusetts
1	0.6%	23	Michigan
0	0.0%	24	Minnesota
0	0.0%	25	Mississippi
1	0.6%	26	Missouri
0	0.0%	27	Montana
0	0.0%	28	Nebraska
0	0.0%	29	Nevada
0	0.0%	30	New Hampshire
0	0.0%	31	New Jersey
1	0.6%	32	New Mexico
0	0.0%	33	New York

1	0.6%	34	North Carolina
0	0.0%	35	North Dakota
0	0.0%	36	Ohio
0	0.0%	37	Oklahoma
2	1.1%	38	Oregon
1	0.6%	39	Pennsylvania
0	0.0%	40	Rhode Island
0	0.0%	41	South Carolina
0	0.0%	42	South Dakota
1	0.6%	43	Tennessee
1	0.6%	44	Texas
1	0.6%	45	Utah
0	0.0%	46	Vermont
1	0.6%	47	Virginia
0	0.0%	48	Washington
0	0.0%	49	West Virginia
1	0.6%	50	Wisconsin
0	0.0%	51	Wyoming
147	84.0%	-99	Missing

**Description**

The state where the perpetrator purchased or otherwise acquired the additional firearm.

**F2\_BG\_CHECK (Firearm # 2: Background Check)**

N	%	Value	Description
23	13.1%	1	Yes
2	1.1%	0	No
150	85.7%	-99	Missing

**Description**

Whether the perpetrator passed a background check to purchase or otherwise acquire the additional firearm.

**F2\_WAITING (Firearm # 2: Mandatory Waiting Period)**

N	%	Value	Description
2	1.1%	1	Yes
4	2.3%	0	No
169	96.6%	-99	Missing

**Description**

Whether the perpetrator completed a mandatory waiting period in the course of the purchase / acquisition the additional firearm.

### F2\_USED (Firearm # 2: Used in Shooting)

N	%	Value	Description
43	24.6%	1	Yes
28	16.0%	0	No
104	59.4%	-99	Missing

#### Description

Whether the additional firearm was used during the actual mass public shooting event.

### F3\_TYPE (Firearm # 3: Type)

N	%	Value	Description
26	14.9%	1	Handgun
5	2.9%	2	Rifle
4	2.3%	3	Shotgun
0	0.0%	4	Other
140	80.0%	-99	Missing

#### Description

What type the additional firearm used in the shooting is.

### F3\_FIRING (Firearm # 3: Firing Mechanism)

N	%	Value	Description
27	15.4%	1	Semi-Automatic
0	0.0%	2	Fully Automatic
6	3.4%	3	Other (e.g., bolt-action, lever, revolver)
2	1.1%	4	Unknown
140	80.0%	-99	Missing

#### Description

What type of firing mechanism is used in the additional firearm.

### F3\_DESCRIPTION (Firearm # 3: Description)

N	%	Value	Description
34	19.4%	String	Varies
141	80.6%	-99	Missing

#### Description

The specific make, model, and caliber of the additional firearm, if available.

**F3\_SOURCE (Firearm # 3: Source of Acquisition)**

N	%	Value	Description
12	6.9%	1	Purchased from a Federal Firearms Licensee
0	0.0%	2	Purchased from a Private Citizen
0	0.0%	3	Illegal Purchase (black market)
1	0.6%	4	Gift
2	1.1%	5	Access in Home
0	0.0%	6	Straw Purchase (purchased by another person on behalf of the perpetrator)
2	1.1%	7	Theft
0	0.0%	8	Ghost Gun / Made with a Kit or 3D Printed
1	0.6%	9	Other
0	0.0%	10	Unknown
157	89.7%	-99	Missing

**Description**

How the perpetrator acquired their additional firearm.

**F3\_SOURCE\_OTHER (Firearm # 3: Description of Other Source)**

N	%	Value	Description
1	0.6%	String	Varies
174	99.4%	-99	Missing

**Description**

If the perpetrator acquired their firearm through another source (F3\_SOURCE = 9), this is a description of that source of acquisition.

**F3\_DATE (Firearm # 3: Date of Acquisition)**

N	%	Value	Description
11	6.3%	Date	Varies
164	93.7%	-99	Missing

**Description**

The date that the perpetrator purchased or otherwise acquired the additional firearm.

**F3\_CITY (Firearm # 3: City of Acquisition)**

N	%	Value	Description
8	4.6%	String	Varies
167	95.4%	-99	Missing

**Description**

The city where the perpetrator purchased or otherwise acquired the additional firearm.

**F3\_STATE (Firearm # 3: State of Acquisition)**

N	%	Value	Description
0	0.0%	1	Alabama
0	0.0%	2	Alaska
0	0.0%	3	Arizona
1	0.6%	4	Arkansas
0	0.0%	5	California
2	1.1%	6	Colorado
0	0.0%	7	Connecticut
0	0.0%	8	Delaware
0	0.0%	9	District of Columbia
0	0.0%	10	Florida
0	0.0%	11	Georgia
0	0.0%	12	Hawaii
0	0.0%	13	Idaho
0	0.0%	14	Illinois
0	0.0%	15	Indiana
0	0.0%	16	Iowa
0	0.0%	17	Kansas
0	0.0%	18	Kentucky
0	0.0%	19	Louisiana
1	0.6%	20	Maine
0	0.0%	21	Maryland
0	0.0%	22	Massachusetts
0	0.0%	23	Michigan
0	0.0%	24	Minnesota
1	0.6%	25	Mississippi
0	0.0%	26	Missouri
0	0.0%	27	Montana
0	0.0%	28	Nebraska
1	0.6%	29	Nevada
0	0.0%	30	New Hampshire
0	0.0%	31	New Jersey
0	0.0%	32	New Mexico
0	0.0%	33	New York

0	0.0%	34	North Carolina
0	0.0%	35	North Dakota
1	0.6%	36	Ohio
0	0.0%	37	Oklahoma
1	0.6%	38	Oregon
0	0.0%	39	Pennsylvania
0	0.0%	40	Rhode Island
0	0.0%	41	South Carolina
0	0.0%	42	South Dakota
1	0.6%	43	Tennessee
1	0.6%	44	Texas
0	0.0%	45	Utah
0	0.0%	46	Vermont
0	0.0%	47	Virginia
0	0.0%	48	Washington
0	0.0%	49	West Virginia
0	0.0%	50	Wisconsin
0	0.0%	51	Wyoming
165	94.3%	-99	Missing

**Description**

The state where the perpetrator purchased or otherwise acquired the additional firearm.

**F3\_BG\_CHECK (Firearm # 3: Background Check)**

N	%	Value	Description
12	6.9%	1	Yes
0	0.0%	0	No
163	93.1%	-99	Missing

**Description**

Whether the perpetrator passed a background check to purchase or otherwise acquire the additional firearm.

**F3\_WAITING (Firearm # 3: Mandatory Waiting Period)**

N	%	Value	Description
1	0.6%	1	Yes
0	0.0%	0	No
174	99.4%	-99	Missing

**Description**

Whether the perpetrator completed a mandatory waiting period in the course of the purchase / acquisition the additional firearm.

### F3\_USED (Firearm # 3: Used in Shooting)

N	%	Value	Description
12	6.9%	1	Yes
22	12.6%	0	No
141	80.6%	-99	Missing

#### Description

Whether the additional firearm was used during the actual mass public shooting event.

### F4\_TYPE (Firearm # 4: Type)

N	%	Value	Description
9	5.1%	1	Handgun
5	2.9%	2	Rifle
1	0.6%	3	Shotgun
0	0.0%	4	Other
160	91.4%	-99	Missing

#### Description

What type the additional firearm used in the shooting is.

### F4\_FIRING (Firearm # 4: Firing Mechanism)

N	%	Value	Description
11	6.3%	1	Semi-Automatic
0	0.0%	2	Fully Automatic
4	2.3%	3	Other (e.g., bolt-action, lever, revolver)
0	0.0%	4	Unknown
160	91.4%	-99	Missing

#### Description

What type of firing mechanism is used in the additional firearm.

### F4\_DESCRIPTION (Firearm # 4: Description)

N	%	Value	Description
15	8.6%	String	Varies
160	91.4%	-99	Missing

#### Description

The specific make, model, and caliber of the additional firearm, if available.

#### F4\_SOURCE (Firearm # 4: Source of Acquisition)

N	%	Value	Description
6	3.4%	1	Purchased from a Federal Firearms Licensee
0	0.0%	2	Purchased from a Private Citizen
0	0.0%	3	Illegal Purchase (black market)
0	0.0%	4	Gift
1	0.6%	5	Access in Home
0	0.0%	6	Straw Purchase (purchased by another person on behalf of the perpetrator)
0	0.0%	7	Theft
1	0.6%	8	Ghost Gun / Made with a Kit or 3D Printed
0	0.0%	9	Other
0	0.0%	10	Unknown
167	95.4%	-99	Missing

#### Description

How the perpetrator acquired their additional firearm.

#### F4\_SOURCE\_OTHER (Firearm # 4: Description of Other Source)

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

#### Description

If the perpetrator acquired their firearm through another source (F4\_SOURCE = 9), this is a description of that source of acquisition.

#### F4\_DATE (Firearm # 4: Date of Acquisition)

N	%	Value	Description
5	2.9%	Date	Varies
170	97.1%	-99	Missing

#### Description

The date that the perpetrator purchased or otherwise acquired the additional firearm.

**F4\_CITY (Firearm # 4: City of Acquisition)**

N	%	Value	Description
4	2.3%	String	Varies
171	97.7%	-99	Missing

**Description**

The city where the perpetrator purchased or otherwise acquired the additional firearm.

**F4\_STATE (Firearm # 4: State of Acquisition)**

N	%	Value	Description
0	0.0%	1	Alabama
0	0.0%	2	Alaska
0	0.0%	3	Arizona
0	0.0%	4	Arkansas
0	0.0%	5	California
2	1.1%	6	Colorado
0	0.0%	7	Connecticut
0	0.0%	8	Delaware
0	0.0%	9	District of Columbia
0	0.0%	10	Florida
0	0.0%	11	Georgia
0	0.0%	12	Hawaii
0	0.0%	13	Idaho
0	0.0%	14	Illinois
0	0.0%	15	Indiana
0	0.0%	16	Iowa
0	0.0%	17	Kansas
0	0.0%	18	Kentucky
0	0.0%	19	Louisiana
0	0.0%	20	Maine
0	0.0%	21	Maryland
0	0.0%	22	Massachusetts
0	0.0%	23	Michigan
0	0.0%	24	Minnesota
1	0.6%	25	Mississippi
0	0.0%	26	Missouri
0	0.0%	27	Montana
0	0.0%	28	Nebraska
1	0.6%	29	Nevada
0	0.0%	30	New Hampshire
0	0.0%	31	New Jersey
0	0.0%	32	New Mexico
0	0.0%	33	New York

0	0.0%	34	North Carolina
0	0.0%	35	North Dakota
0	0.0%	36	Ohio
0	0.0%	37	Oklahoma
0	0.0%	38	Oregon
0	0.0%	39	Pennsylvania
0	0.0%	40	Rhode Island
1	0.6%	41	South Carolina
0	0.0%	42	South Dakota
0	0.0%	43	Tennessee
0	0.0%	44	Texas
0	0.0%	45	Utah
0	0.0%	46	Vermont
0	0.0%	47	Virginia
0	0.0%	48	Washington
0	0.0%	49	West Virginia
0	0.0%	50	Wisconsin
0	0.0%	51	Wyoming
170	97.1%	-99	Missing

**Description**

The state where the perpetrator purchased or otherwise acquired the additional firearm.

**F4\_BG\_CHECK (Firearm # 4: Background Check)**

N	%	Value	Description
6	3.4%	1	Yes
0	0.0%	0	No
169	96.6%	-99	Missing

**Description**

Whether the perpetrator passed a background check to purchase or otherwise acquire the additional firearm.

**F4\_WAITING (Firearm # 4: Mandatory Waiting Period)**

N	%	Value	Description
0	0.0%	1	Yes
1	0.6%	0	No
174	99.4%	-99	Missing

**Description**

Whether the perpetrator completed a mandatory waiting period in the course of the purchase / acquisition the additional firearm.

**F4\_USED (Firearm # 4: Used in Shooting)**

N	%	Value	Description
3	1.7%	1	Yes
12	6.9%	0	No
160	91.4%	-99	Missing

**Description**

Whether the additional firearm was used during the actual mass public shooting event.

**F5\_TYPE (Firearm # 5: Type)**

N	%	Value	Description
1	0.6%	1	Handgun
1	0.6%	2	Rifle
0	0.0%	3	Shotgun
0	0.0%	4	Other
173	98.9%	-99	Missing

**Description**

What type the additional firearm used in the shooting is.

**F5\_FIRING (Firearm # 5: Firing Mechanism)**

N	%	Value	Description
1	0.6%	1	Semi-Automatic
0	0.0%	2	Fully Automatic
0	0.0%	3	Other (e.g., bolt-action, lever, revolver)
0	0.0%	4	Unknown
174	99.4%	-99	Missing

**Description**

What type of firing mechanism is used in the additional firearm.

**F5\_DESCRIPTION (Firearm # 5: Description)**

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

**Description**

The specific make, model, and caliber of the additional firearm, if available.

**F5\_SOURCE (Firearm # 5: Source of Acquisition)**

N	%	Value	Description
1	0.6%	1	Purchased from a Federal Firearms Licensee
0	0.0%	2	Purchased from a Private Citizen
0	0.0%	3	Illegal Purchase (black market)
0	0.0%	4	Gift
0	0.0%	5	Access in Home
0	0.0%	6	Straw Purchase (purchased by another person on behalf of the perpetrator)
0	0.0%	7	Theft
0	0.0%	8	Ghost Gun / Made with a Kit or 3D Printed
0	0.0%	9	Other
0	0.0%	10	Unknown
174	99.4%	-99	Missing

**Description**

How the perpetrator acquired their additional firearm.

**F5\_SOURCE\_OTHER (Firearm # 5: Description of Other Source)**

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

**Description**

If the perpetrator acquired their firearm through another source (F5\_SOURCE = 9), this is a description of that source of acquisition.

**F5\_DATE (Firearm # 5: Date of Acquisition)**

N	%	Value	Description
0	0.0%	Date	Varies
175	100.0%	-99	Missing

**Description**

The date that the perpetrator purchased or otherwise acquired the additional firearm.

**F5\_CITY (Firearm # 5: City of Acquisition)**

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

**Description**

The city where the perpetrator purchased or otherwise acquired the additional firearm.

**F5\_STATE (Firearm # 5: State of Acquisition)**

N	%	Value	Description
0	0.0%	1	Alabama
0	0.0%	2	Alaska
0	0.0%	3	Arizona
0	0.0%	4	Arkansas
0	0.0%	5	California
0	0.0%	6	Colorado
0	0.0%	7	Connecticut
0	0.0%	8	Delaware
0	0.0%	9	District of Columbia
0	0.0%	10	Florida
0	0.0%	11	Georgia
0	0.0%	12	Hawaii
0	0.0%	13	Idaho
0	0.0%	14	Illinois
0	0.0%	15	Indiana
0	0.0%	16	Iowa
0	0.0%	17	Kansas
0	0.0%	18	Kentucky
0	0.0%	19	Louisiana
0	0.0%	20	Maine
0	0.0%	21	Maryland
0	0.0%	22	Massachusetts
0	0.0%	23	Michigan
0	0.0%	24	Minnesota
0	0.0%	25	Mississippi
0	0.0%	26	Missouri
0	0.0%	27	Montana
0	0.0%	28	Nebraska
0	0.0%	29	Nevada
0	0.0%	30	New Hampshire
0	0.0%	31	New Jersey
0	0.0%	32	New Mexico
0	0.0%	33	New York

0	0.0%	34	North Carolina
0	0.0%	35	North Dakota
0	0.0%	36	Ohio
0	0.0%	37	Oklahoma
0	0.0%	38	Oregon
0	0.0%	39	Pennsylvania
0	0.0%	40	Rhode Island
0	0.0%	41	South Carolina
0	0.0%	42	South Dakota
0	0.0%	43	Tennessee
0	0.0%	44	Texas
0	0.0%	45	Utah
0	0.0%	46	Vermont
0	0.0%	47	Virginia
0	0.0%	48	Washington
0	0.0%	49	West Virginia
0	0.0%	50	Wisconsin
0	0.0%	51	Wyoming
175	100.0 %	-99	Missing

**Description**

The state where the perpetrator purchased or otherwise acquired the additional firearm.

**F5\_BG\_CHECK (Firearm # 5: Background Check)**

N	%	Value	Description
1	0.6%	1	Yes
0	0.0%	0	No
174	99.4%	-99	Missing

**Description**

Whether the perpetrator passed a background check to purchase or otherwise acquire the additional firearm.

**F5\_WAITING (Firearm # 5: Mandatory Waiting Period)**

N	%	Value	Description
0	0.0%	1	Yes
0	0.0%	0	No
175	100.0%	-99	Missing

**Description**

Whether the perpetrator completed a mandatory waiting period in the course of the purchase / acquisition the additional firearm.

**F5\_USED (Firearm # 5: Used in Shooting)**

N	%	Value	Description
0	0.0%	1	Yes
2	1.1%	0	No
173	98.9%	-99	Missing

**Description**

Whether the additional firearm was used during the actual mass public shooting event.

**F6\_TYPE (Firearm # 6: Type)**

N	%	Value	Description
2	1.1%	1	Handgun
0	0.0%	2	Rifle
0	0.0%	3	Shotgun
0	0.0%	4	Other
173	98.9%	-99	Missing

**Description**

What type the additional firearm used in the shooting is.

**F6\_FIRING (Firearm # 6: Firing Mechanism)**

N	%	Value	Description
2	1.1%	1	Semi-Automatic
0	0.0%	2	Fully Automatic
0	0.0%	3	Other (e.g., bolt-action, lever, revolver)
0	0.0%	4	Unknown
173	98.9%	-99	Missing

**Description**

What type of firing mechanism is used in the additional firearm.

**F6\_DESCRIPTION (Firearm # 6: Description)**

N	%	Value	Description
2	1.1%	String	Varies
173	98.9%	-99	Missing

**Description**

The specific make, model, and caliber of the additional firearm, if available.

**F6\_SOURCE (Firearm # 6: Source of Acquisition)**

N	%	Value	Description
1	0.6%	1	Purchased from a Federal Firearms Licensee
0	0.0%	2	Purchased from a Private Citizen
0	0.0%	3	Illegal Purchase (black market)
0	0.0%	4	Gift
0	0.0%	5	Access in Home
0	0.0%	6	Straw Purchase (purchased by another person on behalf of the perpetrator)
0	0.0%	7	Theft
0	0.0%	8	Ghost Gun / Made with a Kit or 3D Printed
0	0.0%	9	Other
0	0.0%	10	Unknown
174	99.4%	-99	Missing

**Description**

How the perpetrator acquired their additional firearm.

**F6\_SOURCE\_OTHER (Firearm # 6: Description of Other Source)**

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

**Description**

If the perpetrator acquired their firearm through another source (F6\_SOURCE = 9), this is a description of that source of acquisition.

**F6\_DATE (Firearm # 6: Date of Acquisition)**

N	%	Value	Description
1	0.6%	Date	Varies
174	99.4%	-99	Missing

**Description**

The date that the perpetrator purchased or otherwise acquired the additional firearm.

**F6\_CITY (Firearm # 6: City of Acquisition)**

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

**Description**

The city where the perpetrator purchased or otherwise acquired the additional firearm.

**F6\_STATE (Firearm # 6: State of Acquisition)**

N	%	Value	Description
0	0.0%	1	Alabama
0	0.0%	2	Alaska
0	0.0%	3	Arizona
0	0.0%	4	Arkansas
0	0.0%	5	California
0	0.0%	6	Colorado
0	0.0%	7	Connecticut
0	0.0%	8	Delaware
0	0.0%	9	District of Columbia
0	0.0%	10	Florida
0	0.0%	11	Georgia
0	0.0%	12	Hawaii
0	0.0%	13	Idaho
0	0.0%	14	Illinois
0	0.0%	15	Indiana
0	0.0%	16	Iowa
0	0.0%	17	Kansas
0	0.0%	18	Kentucky
0	0.0%	19	Louisiana
0	0.0%	20	Maine
0	0.0%	21	Maryland
0	0.0%	22	Massachusetts
0	0.0%	23	Michigan
0	0.0%	24	Minnesota
0	0.0%	25	Mississippi
0	0.0%	26	Missouri
0	0.0%	27	Montana
0	0.0%	28	Nebraska
0	0.0%	29	Nevada
0	0.0%	30	New Hampshire
0	0.0%	31	New Jersey
0	0.0%	32	New Mexico
0	0.0%	33	New York

0	0.0%	34	North Carolina
0	0.0%	35	North Dakota
0	0.0%	36	Ohio
0	0.0%	37	Oklahoma
0	0.0%	38	Oregon
0	0.0%	39	Pennsylvania
0	0.0%	40	Rhode Island
0	0.0%	41	South Carolina
0	0.0%	42	South Dakota
0	0.0%	43	Tennessee
0	0.0%	44	Texas
0	0.0%	45	Utah
0	0.0%	46	Vermont
0	0.0%	47	Virginia
0	0.0%	48	Washington
0	0.0%	49	West Virginia
0	0.0%	50	Wisconsin
0	0.0%	51	Wyoming
175	100.0%	-99	Missing

**Description**

The state where the perpetrator purchased or otherwise acquired the additional firearm.

**F6\_BG\_CHECK (Firearm # 6: Background Check)**

N	%	Value	Description
1	0.6%	1	Yes
0	0.0%	0	No
174	99.4%	-99	Missing

**Description**

Whether the perpetrator passed a background check to purchase or otherwise acquire the additional firearm.

**F6\_WAITING (Firearm # 6: Mandatory Waiting Period)**

N	%	Value	Description
0	0.0%	1	Yes
0	0.0%	0	No
175	100.0%	-99	Missing

**Description**

Whether the perpetrator completed a mandatory waiting period in the course of the purchase / acquisition the additional firearm.

**F6\_USED (Firearm # 6: Used in Shooting)**

N	%	Value	Description
0	0.0%	1	Yes
2	1.1%	0	No
173	98.9%	-99	Missing

**Description**

Whether the additional firearm was used during the actual mass public shooting event.

**MORE\_THAN\_6 (Prior Law Enforcement Contact)**

N	%	Value	Description
1	0.6%	1	Yes
174	99.4%	0	No
0	0.0%	-99	Missing

**Description**

Whether the perpetrator had more than six (6) firearms at the scene.

This includes weapons brought into the event location as well as those that were brought in the perpetrator's vehicle.

**GUNS\_QTY (Number of Firearms at Event)**

N	%	Value	Description
175	100.0%	Range	1 to 8 (Median = 1; Mean = 1.74; SD = 1.10)

**Description**

The number of firearms the perpetrator brought with them to the scene.

A maximum of six (6) firearms are included in the PACB-MPS. Information on additional firearms brought to the scene can be requested from the database owners.

**OTHER\_GUNS (Access to Other Guns)**

N	%	Value	Description
71	40.6%	1	Yes
14	8.0%	0	No
104	51.4%	-99	Missing

**Description**

Whether the perpetrator had access to firearms other than those used in or present at the event.

**OTHER\_GUNS\_DESCRIBE (Description of Other Guns Accessible to Perpetrator)**

N	%	Value	Description
71	40.6%	String	Varies
104	59.4%	-99	Missing

**Description**

If the perpetrator had access to other firearms not present or used in the shooting (OTHER\_GUNS = 1), this is a description of the other firearm(s).

**DISQUALIFYING\_FELONY\_FEDERAL (Disqualifying Factor: Federal Felony)**

N	%	Value	Description
3	1.7%	1	Yes
0	0.0%	0	No
172	98.3%	-99	Missing

**Description**

Whether the perpetrator had previously been convicted of a felony at the federal level.

**DISQUALIFYING\_FELONY\_STATE (Disqualifying Factor: State Felony)**

N	%	Value	Description
12	6.9%	1	Yes
0	0.0%	0	No
163	93.1%	-99	Missing

**Description**

Whether the perpetrator had previously been convicted of a felony at the state level.

**DISQUALIFYING\_MISDEMEANOR\_STATE (Disqualifying Factor: State Misdemeanor)**

N	%	Value	Description
1	0.6%	1	Yes
0	0.0%	0	No
174	99.4%	-99	Missing

**Description**

Whether the perpetrator had previously been convicted of a misdemeanor at the state level punishable by two years or more of imprisonment.

**DISQUALIFYING\_DRUGS (Disqualifying Factor: Drugs)**

N	%	Value	Description
9	5.1%	1	Yes
0	0.0%	0	No
166	94.9%	-99	Missing

**Description**

Whether the perpetrator was an unlawful drug user or addict.

**DISQUALIFYING\_DEFECTIVE (Disqualifying Factor: Defective)**

N	%	Value	Description
4	2.3%	1	Yes
0	0.0%	0	No
171	97.7%	-99	Missing

**Description**

Whether the perpetrator had previously been adjudicated as mentally defective by a court of law.

**DISQUALIFYING\_ILLEGAL (Disqualifying Factor: Illegal Status)**

N	%	Value	Description
0	0.0%	1	Yes
0	0.0%	0	No
175	100.0%	-99	Missing

**Description**

Whether the perpetrator was illegally or unlawfully in the United States.

**DISQUALIFYING\_DISCHARGE (Disqualifying Factor: Military Discharge)**

N	%	Value	Description
0	0.0%	1	Yes
0	0.0%	0	No
175	100.0%	-99	Missing

**Description**

Whether the perpetrator had been dishonorably discharged from the military.

**DISQUALIFYING\_DV (Disqualifying Factor: Domestic Violence)**

N	%	Value	Description
2	1.1%	1	Yes
0	0.0%	0	No
173	98.9%	-99	Missing

**Description**

Whether the perpetrator had previously been convicted of a misdemeanor crime of domestic violence.

**DISQUALIFYING\_DVPO (Disqualifying Factor: Domestic Violence Protective Order)**

N	%	Value	Description
7	4.0%	1	Yes
0	0.0%	0	No
168	96.0%	-99	Missing

**Description**

Whether the perpetrator had been the subject of a domestic-related protective order as the aggressor / offender.

**DISQUALIFYING\_JUVENILE (Disqualifying Factor: Juvenile)**

N	%	Value	Description
24	13.7%	1	Yes
0	0.0%	0	No
151	86.3%	-99	Missing

**Description**

Whether the perpetrator was a juvenile (under 18 years of age) at the time of acquisition.

**DISQUALIFYING\_OTHER (Disqualifying Factor: Other)**

N	%	Value	Description
1	0.6%	1	Yes
0	0.0%	0	No
174	99.4%	-99	Missing

**Description**

Whether the perpetrator had another disqualifying factor not captured in the previous set of variables.

### DISQUALIFYING\_OTHER\_DESCRIBE (Access to Other Guns)

N	%	Value	Description
1	0.6%	String	Varies
174	99.4%	-99	Missing

#### Description

If the perpetrator had another disqualifying factor (DISQUALIFYING\_OTHER = 1), this is a description of the factor(s).

### ROUNDS\_SCENE (Rounds Brought to the Scene)

N	%	Value	Description
127	72.6%	Numeric	5 to 3096 (Median = 67; Mean = 188.06; SD = 365.00)
48	27.4%	-99	Missing

#### Description

The number of rounds the perpetrator initially brought to the scene (both fired and unfired).

### ROUNDS\_FIRED (Rounds Fired During Shooting)

N	%	Value	Description
138	78.9%	Numeric	1 to 450 (Median = 19; Mean = 39.29; SD = 53.34)
37	32.1%	-99	Missing

#### Description

The number of rounds the perpetrator fired from all available firearms during the event.

### ROUNDS\_TOTAL (Total Number of Rounds)

N	%	Value	Description
84	48.0%	Numeric	5 to 22,000 (Median = 148; Mean = 659.96; SD = 2463.44)
91	52.0%	-99	Missing

#### Description

The total number of rounds in the perpetrator's possession, including the number of rounds initially brought to the scene (ROUNDS\_SCENE) and other ammunition in their vehicle, residence, or other connected location (e.g., storage, workplace, etc.).

**AMMO\_SOURCE\_RETAIL (Ammunition Source: Retail)**

N	%	Value	Description
39	22.3%	1	Yes
0	0.0%	0	No
136	77.7%	-99	Missing

**Description**

Whether the perpetrator acquired ammunition through a retailer in-person.

**AMMO\_SOURCE\_SHOW (Ammunition Source: Gun Show)**

N	%	Value	Description
0	0.0%	1	Yes
0	0.0%	0	No
175	100.0%	-99	Missing

**Description**

Whether the perpetrator acquired ammunition at a gun show.

**AMMO\_SOURCE\_ONLINE (Ammunition Source: Online)**

N	%	Value	Description
7	4.0%	1	Yes
0	0.0%	0	No
168	96.0%	-99	Missing

**Description**

Whether the perpetrator acquired ammunition through an online retailer or source.

**AMMO\_SOURCE\_GIFT (Ammunition Source: Gift)**

N	%	Value	Description
1	0.6%	1	Yes
0	0.0%	0	No
174	99.4%	-99	Missing

**Description**

Whether the perpetrator acquired ammunition by being gifted it.

### AMMO\_SOURCE\_OTHER (Ammunition Source: Other)

N	%	Value	Description
22	12.6%	1	Yes
0	0.0%	0	No
153	87.4%	-99	Missing

#### Description

Whether the perpetrator acquired their ammunition through another source not captured in the previous list of variables.

### AMMO\_SOURCE\_OTHER\_DESCRIBE (Description of Other Ammunition Source)

N	%	Value	Description
22	12.6%	String	Varies
153	87.4%	-99	Missing

#### Description

If the perpetrator acquired their ammunition through another source (AMMO\_SOURCE\_OTHER = 1), this is a description of that source.

### MAGS\_BROUGHT (Magazines Brought to Scene)

N	%	Value	Description
130	74.3%	Numeric	0 to 60 (Median = 3; Mean = 7.08; SD = 11.52)
45	25.7%	-99	Missing

#### Description

The total number of magazines brought to the scene by the perpetrator.

### MAGS\_USED (Magazines Used In Shooting)

N	%	Value	Description
127	72.6%	Numeric	0 to 17 (Median = 2; Mean = 2.13; SD = 2.66)
48	27.4%	-99	Missing

#### Description

The total number of magazines used by the perpetrator during the event.

### DRUM\_MAG (Drum Magazine)

N	%	Value	Description
3	1.7%	1	Yes
115	65.7%	0	No
57	32.6%	-99	Missing

#### Description

Whether the perpetrator used a drum magazine during the event.

### WEAPONS\_KNIVES (Weapons: Knives)

N	%	Value	Description
51	29.1%	1	Present
0	0.0%	2	Used
124	70.9%	-99	Missing

#### Description

Whether the perpetrator used a knife or other cutting instrument (e.g., box cutter) during the event.

### WEAPONS\_BLUNT (Weapons: Blunt Force)

N	%	Value	Description
1	0.6%	1	Present
0	0.0%	2	Used
174	99.4%	-99	Missing

#### Description

Whether the perpetrator used a blunt-force instrument (e.g., bat, club) during the event.

### WEAPONS\_EXPLOSIVES (Weapons: Explosives)

N	%	Value	Description
12	6.9%	1	Present
5	2.9%	2	Used
158	90.3%	-99	Missing

#### Description

Whether the perpetrator used explosives (e.g., pipe bombs, Molotov cocktails) the event.

### WEAPONS\_GASES (Weapons: Gases)

N	%	Value	Description
7	4.0%	1	Present
2	1.1%	2	Used
166	94.9%	-99	Missing

#### Description

Whether the perpetrator used gases, such as pepper spray or tear gas, during the event.

### WEAPONS\_SUBSTANCES (Weapons: Other Substances)

N	%	Value	Description
3	1.7%	1	Present
0	0.0%	2	Used
172	98.3%	-99	Missing

#### Description

Whether the perpetrator used other liquid or gelled substances, such as Napalm, during the event.

### WEAPONS\_OTHER (Weapons: Other)

N	%	Value	Description
9	5.1%	1	Present
5	2.9%	2	Used
161	92.0%	-99	Missing

#### Description

Whether the perpetrator used another weapon during the event not captured by the previous set of variables.

### WEAPONS\_OTHER\_DESCRIBE (Description of Other Weapons)

N	%	Value	Description
14	8.0%	String	Varies
161	92.0%	-99	Missing

#### Description

If the perpetrator used another type of weapon (WEAPONS\_OTHER = 1), this is a description of that weapon.

## COSTUMING

### HELMET (Costuming: Helmet)

N	%	Value	Description
1	0.6%	1	Purchased
5	2.9%	2	Used
169	96.6%	-99	Missing

#### Description

A ballistics or tactical helmet was used as an element of costuming.

### FACE (Costuming: Face Covering)

N	%	Value	Description
1	0.6%	1	Purchased
0	0.0%	2	Used
174	99.4%	-99	Missing

#### Description

A gas mask or other face covering was used as an element of costuming.

### EYE\_EAR (Costuming: Eye / Ear Protection)

N	%	Value	Description
12	6.9%	1	Purchased
20	11.4%	2	Used
143	81.7%	-99	Missing

#### Description

Eye and/or ear protection was used as an element of costuming.

### VEST (Costuming: Vest)

N	%	Value	Description
11	6.3%	1	Purchased
28	16.0%	2	Used
136	77.7%	-99	Missing

#### Description

A ballistics or tactical vest was used as an element of costuming.

### **CLOTHING (Costuming: Clothing)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
1	0.6%	1	Purchased
0	0.0%	2	Used
174	99.4%	-99	Missing

#### **Description**

Bullet-resistant clothing (e.g., ballistics leggings) was used as an element of costuming.

### **PROTECTION (Costuming: Bullet-Resistant Protection)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
1	0.6%	1	Purchased
0	0.0%	2	Used
174	99.4%	-99	Missing

#### **Description**

Bullet-resistant protection, such as a throat or groin protector, was used as an element of costuming.

### **GLOVES (Costuming: Gloves)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
3	1.7%	1	Purchased
5	2.9%	2	Used
167	95.4%	-99	Missing

#### **Description**

Tactical gloves were used as an element of costuming.

### **CUFFS (Costuming: Handcuffs)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
12	6.9%	1	Purchased
0	0.0%	2	Used
163	93.1%	-99	Missing

#### **Description**

Handcuffs or an equivalent (e.g., zip ties) were used as an element of costuming.

### **COSTUMING\_OTHER (Costuming: Other)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
1	0.6%	1	Purchased
3	1.7%	2	Used
171	97.7%	-99	Missing

#### **Description**

Another form of costuming not captured in the previous variables was employed by the perpetrator.

### **COSTUMING\_OTHER\_DESCRIBE (Description of Other Costuming)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
4	2.3%	String	Varies
171	97.7%	Missing	-99

#### **Description**

If the perpetrator engaged in another form of costuming (COSTUMING\_OTHER = 1), this is a description of that costuming.

### **MIMIC\_FICTIONAL (Mimicking: Fictional Character)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
2	1.1%	1	Yes
0	0.0%	0	No
173	98.9%	-99	Missing

#### **Description**

Whether the perpetrator mimicked a fictional character through their costuming.

### **MIMIC\_REAL (Mimicking: Real Person(s))**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
8	4.6%	1	Purchased
0	0.0%	0	No
167	95.4%	-99	Missing

#### **Description**

Whether the perpetrator mimicked a real person or persons through their costuming.

### MIMIC\_DESCRIBE (Description of Person(s) Mimicked)

N	%	Value	Description
10	5.7%	String	Varies
165	94.3%	Missing	-99

#### Description

If the perpetrator mimicked either a fictional character or real person (MIMIC\_FICTIONAL = 0 or MIMIC\_REAL = 0), this is a description of who was mimicked through costuming.

## LEAKAGE INFORMATION

### CHANNEL\_VERBAL (Leakage Channel: Verbal)

N	%	Value	Description
121	69.1%	1	Yes
0	0.0%	0	No
54	30.9%	-99	Missing

#### Description

Whether the perpetrator engaged in verbal communications about intent to a specific person.

### CHANNEL\_ONLINE\_SPECIFIC (Leakage Channel: Online Specific)

N	%	Value	Description
29	16.6%	1	Yes
0	0.0%	0	No
146	83.4%	-99	Missing

#### Description

Whether the perpetrator engaged in communications about intent to a specific person online (e.g., direct message, posting on a person's wall or page).

### CHANNEL\_ONLINE\_GENERAL (Leakage Channel: Online General)

N	%	Value	Description
55	31.4%	1	Yes
0	0.0%	0	No
120	68.6%	-99	Missing

#### Description

Whether the perpetrator engaged in communications about intent in general online platforms (e.g., images, text, and/or videos shared in a forum or on a message board).

### CHANNEL\_WRITTEN (Leakage Channel: Written)

N	%	Value	Description
23	13.1%	1	Yes
0	0.0%	0	No
152	86.9%	-99	Missing

#### Description

Whether the perpetrator shared their intentions to carry out the shooting through written communications (e.g., letter, class assignment).

### CHANNEL\_ART (Leakage Channel: Artwork)

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.7%	-99	Missing

#### Description

Whether the perpetrator shared their intentions to carry out the shooting through artwork (e.g., drawing, painting).

### CHANNEL\_OTHER (Leakage Channel: Other)

N	%	Value	Description
4	2.3%	1	Yes
0	0.0%	0	No
171	97.7%	-99	Missing

#### Description

Whether the perpetrator engaged in communications about intent through another channel not captured in the previous set of variables.

### CHANNEL\_OTHER\_DESCRIBE (Description of Other Leakage Channel)

N	%	Value	Description
4	2.3%	1	Yes
171	97.7%	-99	Missing

#### Description

If the perpetrator leaked through another channel (CHANNEL\_OTHER = 1), this is a description of that channel.

**PLATFORM\_FACEBOOK (Leakage Platform: Facebook)**

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.7%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on Facebook.

**PLATFORM\_TWITTER (Leakage Platform: Twitter)**

N	%	Value	Description
7	4.0%	1	Yes
0	0.0%	0	No
168	96.0%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on X/Twitter.

**PLATFORM\_INSTAGRAM (Leakage Platform: Instagram)**

N	%	Value	Description
12	6.9%	1	Yes
0	0.0%	0	No
163	93.1%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on Instagram.

**PLATFORM\_TIKTOK (Leakage Platform: TikTok)**

N	%	Value	Description
2	1.1%	1	Yes
0	0.0%	0	No
173	98.9%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on TikTok.

**PLATFORM\_SNAPCHAT (Leakage Platform: Snapchat)**

N	%	Value	Description
7	4.0%	1	Yes
0	0.0%	0	No
168	96.0%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on Snapchat.

**PLATFORM\_DISCORD (Leakage Platform: Discord)**

N	%	Value	Description
4	2.3%	1	Yes
0	0.0%	0	No
171	97.7%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on Discord.

**PLATFORM\_48CHAN (Leakage Platform: 4chan or 8chan)**

N	%	Value	Description
7	4.0%	1	Yes
0	0.0%	0	No
168	96.0%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on 4chan and/or 8chan.

**PLATFORM\_TWITCH (Leakage Platform: Twitch)**

N	%	Value	Description
0	0.0%	1	Yes
0	0.0%	0	No
175	100.0%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on Twitch.

**PLATFORM\_YOUTUBE (Leakage Platform: YouTube)**

N	%	Value	Description
10	5.7%	1	Yes
0	0.0%	0	No
165	94.3%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on YouTube.

**PLATFORM\_REDDIT (Leakage Platform: Reddit)**

N	%	Value	Description
2	1.1%	1	Yes
0	0.0%	0	No
173	98.9%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on Reddit.

**PLATFORM\_TUMBLR (Leakage Platform: Tumblr)**

N	%	Value	Description
3	1.7%	1	Yes
0	0.0%	0	No
172	98.3%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on Tumblr.

**PLATFORM\_OTHER (Leakage Platform: Other)**

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.3%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans on a social media / web-based platform other than those identified in the previous set of variables.

### PLATFORM\_OTHER\_DESCRIBE (Description of Other Leakage Platform)

N	%	Value	Description
18	10.3%	String	Varies
157	89.3%	-99	Missing

#### Description

If the perpetrator leaked through another social media / web-based platform (PLATFORM\_OTHER = 1), this is a description of that platform.

### SUBJECT\_PARENTAL (Leakage Subject: Parental)

N	%	Value	Description
35	20.0%	1	Yes
1	0.6%	0	No
139	79.4%	-99	Missing

#### Description

Whether the perpetrator shared their intentions and/or plans with someone in a parental role (e.g., parent, stepparent, and/or guardian).

### SUBJECT\_SIBLING (Leakage Subject: Sibling)

N	%	Value	Description
12	6.9%	1	Yes
2	1.1%	0	No
161	92.0%	-99	Missing

#### Description

Whether the perpetrator shared their intentions and/or plans with a sibling or stepsibling.

### SUBJECT\_CHILD (Leakage Subject: Child)

N	%	Value	Description
4	2.3%	1	Yes
0	0.0%	0	No
171	97.7%	-99	Missing

#### Description

Whether the perpetrator shared their intentions and/or plans with their child, stepchild, or other dependent.

**SUBJECT\_PARTNER\_CURRENT (Leakage Subject: Current Partner)**

N	%	Value	Description
13	7.4%	1	Yes
0	0.0%	0	No
162	92.6%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with their current spouse or partner.

**SUBJECT\_PARTNER\_FORMER (Leakage Subject: Former Partner)**

N	%	Value	Description
21	12.0%	1	Yes
0	0.0%	0	No
154	88.0%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with their former spouse or partner.

**SUBJECT\_EXTENDED (Leakage Subject: Extended Family)**

N	%	Value	Description
9	5.1%	1	Yes
0	0.0%	0	No
166	94.9%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with an extended family member (e.g., aunts, uncles, cousins, grandparents).

**SUBJECT\_FAMILY\_OTHER (Leakage Subject: Other Family)**

N	%	Value	Description
2	1.1%	1	Yes
0	0.0%	0	No
173	98.9%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with another family member (e.g., in-laws).

**SUBJECT\_CLASSMATE (Leakage Subject: Classmate)**

N	%	Value	Description
21	12.0%	1	Yes
0	0.0%	0	No
154	88.0%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with a classmate at school.

**SUBJECT\_SCHOOL\_STAFF (Leakage Subject: School Staff)**

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.7%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with a school staff member (e.g., teacher, administrator, coach, office staff).

**SUBJECT\_COWORKER (Leakage Subject: Co-Worker)**

N	%	Value	Description
33	18.9%	1	Yes
0	0.0%	0	No
142	81.1%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with their co-worker.

**SUBJECT\_MANAGER (Leakage Subject: Manager)**

N	%	Value	Description
12	6.9%	1	Yes
0	0.0%	0	No
163	93.1%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with someone in a managerial or supervisory role.

**SUBJECT\_MH\_SUPPORT (Leakage Subject: Mental Health Support)**

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.8%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with someone providing mental health support (e.g., counselor, therapist).

**SUBJECT\_ROOMMATE (Leakage Subject: ROOMMATE)**

N	%	Value	Description
6	3.4%	1	Yes
0	0.0%	0	No
169	96.6%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with their roommate or other co-habitant.

**SUBJECT\_NEIGHBOR (Leakage Subject: Neighbor)**

N	%	Value	Description
4	2.3%	1	Yes
0	0.0%	0	No
171	97.7%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with their neighbor.

**SUBJECT\_COMMUNITY (Leakage Subject: General Community Member)**

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.7%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with someone who lives in the community.

**SUBJECT\_FRIEND\_IP (Leakage Subject: In-Person Friend)**

N	%	Value	Description
37	21.1%	1	Yes
0	0.0%	0	No
138	78.9%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with an in-person friend.

**SUBJECT\_FRIEND\_ONLINE (Leakage Subject: Online Friend)**

N	%	Value	Description
13	7.4%	1	Yes
0	0.0%	0	No
162	92.6%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with someone they are friends with solely online.

**SUBJECT\_ACQUAINTANCE (Leakage Subject: Acquaintance)**

N	%	Value	Description
15	8.6%	1	Yes
0	0.0%	0	No
160	91.4%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with someone they consider a casual acquaintance.

**SUBJECT\_STRANGER (Leakage Subject: Stranger)**

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.7%	-99	Missing

**Description**

Whether the perpetrator shared their intentions and/or plans with a stranger.

### **SUBJECT\_OTHER (Leakage Subject: Other)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
7	4.0%	1	Yes
0	0.0%	0	No
168	96.0%	-99	Missing

#### **Description**

Whether the perpetrator shared their intentions and/or plans with someone in another role not captured in the previous set of variables.

### **SUBJECT\_OTHER\_DESCRIBE (Description of Other Leakage Subject)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
7	4.0%	String	Varies
168	96.0%	-99	Missing

#### **Description**

If the perpetrator leaked through another subject (SUBJECT\_OTHER = 1), this is a description of that subject.

### **THREAT\_DIRECT (Type of Threat: Direct)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
76	43.4%	1	Yes
1	0.6%	0	No
98	56.0%	-99	Missing

#### **Description**

Whether the perpetrator made a direct threat of the shooting (e.g., "I am going to shoot up the school.").

### **THREAT\_INDIRECT (Type of Threat: Indirect)**

<b>N</b>	<b>%</b>	<b>Value</b>	<b>Description</b>
28	16.0%	1	Yes
0	0.0%	0	No
147	84.0%	-99	Missing

#### **Description**

Whether the perpetrator made an indirect threat of the shooting (e.g., "If I wanted to, I could kill everyone in this business.").

**THREAT\_VEILED (Type of Threat: Veiled)**

N	%	Value	Description
50	28.6%	1	Yes
0	0.0%	0	No
125	71.4%	-99	Missing

**Description**

Whether the perpetrator made a veiled threat of the shooting (e.g., “I wouldn’t come to school tomorrow, but you can watch the news.”).

**THREAT\_CONDITIONAL (Type of Threat: Conditional)**

N	%	Value	Description
24	13.7%	1	Yes
0	0.0%	0	No
151	86.3%	-99	Missing

**Description**

Whether the perpetrator made a conditional threat of the shooting (e.g., “If I get fired, I am going to shoot this place up.”).

**CONTENTS\_KILLING\_GENERAL (Leakage Contents: Killing People in General)**

N	%	Value	Description
85	48.6%	1	Yes
0	0.0%	0	No
90	51.4%	-99	Missing

**Description**

Whether the perpetrator shared information about killing people generally.

**CONTENTS\_KILLING\_MASS (Leakage Contents: Killing People in a Mass Shooting)**

N	%	Value	Description
70	40.0%	1	Yes
0	0.0%	0	No
105	60.0%	-99	Missing

**Description**

Whether the perpetrator shared information about killing people specifically in a mass shooting.

### CONTENTS\_GUNS (Leakage Contents: Guns)

N	%	Value	Description
53	30.3%	1	Yes
0	0.0%	0	No
122	69.7%	-99	Missing

#### Description

Whether the perpetrator shared information about a fascination with guns (i.e., excessively talking or posting about guns).

### CONTENTS\_VIOLENCE (Leakage Contents: Violence or Death)

N	%	Value	Description
97	55.4%	1	Yes
0	0.0%	0	No
78	44.6%	-99	Missing

#### Description

Whether the perpetrator shared information about violence or death (including general violent fantasies or ideation).

### CONTENTS\_ANIMALS (Leakage Contents: Animal Abuse)

N	%	Value	Description
18	10.3%	1	Yes
1	0.6%	0	No
156	89.1%	-99	Missing

#### Description

Whether the perpetrator shared information about killing or abusing animals.

### CONTENTS\_MS\_PAST (Leakage Contents: Past Mass Shootings)

N	%	Value	Description
32	18.3%	1	Yes
0	0.0%	0	No
143	81.7%	-99	Missing

#### Description

Whether the perpetrator shared information about previously completed mass shootings and/or their perpetrators.

### CONTENTS\_SUICID (Leakage Contents: Suicide)

N	%	Value	Description
72	41.1%	1	Yes
0	0.0%	0	No
103	58.9%	-99	Missing

#### Description

Whether the perpetrator shared information about suicide and/or self-harm.

### CONTENTS\_OTHER (Leakage Contents: Other)

N	%	Value	Description
2	1.1%	1	Yes
0	0.0%	0	No
173	98.9%	-99	Missing

#### Description

Whether the perpetrator shared information about other concerning issues related to mass shootings not captured in the previous set of variables.

### CONTENTS\_OTHER\_DESCRIBE (Description of Other Leakage Contents)

N	%	Value	Description
2	1.1%	String	Varies
173	98.9%	-99	Missing

#### Description

If the perpetrator leaked another type of content (CONTENTS\_OTHER = 1), this is a description of that content.

### FIRST\_LEAKAGE (Earliest Leakage Identified)

N	%	Value	Description
115	65.7%	Date	Varies
60	34.3%	-99	Missing

#### Description

The date of earliest identified leakage, if available.

**RECENT\_LEAKAGE (Most Recent Leakage Identified)**

N	%	Value	Description
114	65.1%	Date	Varies
61	34.9%	-99	Missing

**Description**

The date of the most recently identified leakage, if available.

**REPORTED\_POLICE (Leakage Reported: Police)**

N	%	Value	Description
45	25.7%	1	Yes
1	0.6%	0	No
129	73.7%	-99	Missing

**Description**

Whether the leakage was reported to law enforcement, including the FBI.

**REPORTED\_SUPERVISOR (Leakage Reported: Supervisor)**

N	%	Value	Description
25	14.3%	1	Yes
0	0.0%	0	No
150	85.7%	-99	Missing

**Description**

Whether the leakage was reported to someone in a supervisory role, including an administrator or manager. If the reporter was a student, this also includes their teachers or counselors.

**REPORTED\_PEER (Leakage Reported: Peer)**

N	%	Value	Description
6	3.4%	1	Yes
0	0.0%	0	No
169	96.6%	-99	Missing

**Description**

Whether the leakage was reported to a peer, such as a classmate or co-worker.

### REPORTED\_OTHER (Leakage Reported: Other)

N	%	Value	Description
11	6.3%	1	Yes
0	0.0%	0	No
164	93.7%	-99	Missing

#### Description

Whether the leakage was reported to another source other than those identified in the previous set of variables.

### REPORTED\_OTHER\_DESCRIBE (Description of Source if Other Reported)

N	%	Value	Description
11	6.3%	String	Varies
164	93.7%	-99	Missing

#### Description

If the leakage was reported through another source (REPORTED\_OTHER = 1), this is a description of that source.

### ASSESSMENT (Threat Assessment)

N	%	Value	Description
6	3.4%	1	Yes
7	4.0%	0	No
162	92.6%	-99	Missing

#### Description

Whether the perpetrator was referred for a threat assessment.

### ASSESSMENT\_DATE (Date of Threat Assessment)

N	%	Value	Description
6	3.4%	Date	Varies
169	96.6%	-99	Missing

#### Description

The date of the most recent threat assessment, if available.

### ASSESSMENT\_DIFFERENCE (Time Between Threat Assessment and Shooting)

N	%	Value	Description
6	3.4%	Numeric	39 to 787 (Median = 197.5; Mean = 297.33; SD = 292.14)
169	96.6%	-99	Missing

#### Description

The number of days between the most recent threat assessment and the actual event date. Calculated as DATE (MPSE) – ASSESSMENT\_DATE (PACB-MPS).

### MHE (Mental Health Evaluation)

N	%	Value	Description
33	18.9%	1	Yes
4	2.3%	0	No
138	78.9%	-99	Missing

#### Description

Whether the perpetrator underwent a mental health evaluation.

### MHE\_DATE (Date of Mental Health Evaluation)

N	%	Value	Description
27	15.4%	Date	Varies
148	84.6%	-99	Missing

#### Description

The date of the most recent mental health evaluation, if available.

### MHE\_DIFFERENCE (Time Between Mental Health Evaluation and Shooting)

N	%	Value	Description
27	15.4%	Numeric	46 to 5195 (Median = 651; Mean = 1238.15; SD = 1210.54)
148	84.6%	-99	Missing

#### Description

The number of days between the most recent threat assessment and the actual event date. Calculated as DATE (MPSE) – MHE\_DATE (PACB-MPS).

### MULTIPLE\_MHE (Multiple Mental Health Evaluations)

N	%	Value	Description
6	3.4%	1	Yes
0	0.0%	0	No
169	96.6%	-99	Missing

#### Description

Whether the perpetrator underwent two or more mental health evaluations prior to the shooting.

## GRIEVANCES AND MOTIVATION INFORMATION

### GRIEVANCES\_BULLYING (Grievances: Bullying)

N	%	Value	Description
53	30.3%	1	Yes
0	0.0%	0	No
122	69.7%	-99	Missing

#### Description

Whether the perpetrator is motivated by previous experiences with being bullied.

### GRIEVANCES\_REJECTION (Grievances: Social Rejection)

N	%	Value	Description
37	21.1%	1	Yes
0	0.0%	0	No
138	78.9%	-99	Missing

#### Description

Whether the perpetrator is motivated by feelings of social rejection.

### GRIEVANCES\_INADEQUACY (Grievances: Inadequacy)

N	%	Value	Description
37	21.1%	1	Yes
0	0.0%	0	No
138	78.9%	-99	Missing

#### Description

Whether the perpetrator is motivated by feelings of inadequacy.

### GRIEVANCES\_JOB (Grievances: Job)

N	%	Value	Description
90	51.4%	1	Yes
1	0.6%	0	No
84	48.0%	-99	Missing

#### Description

Whether the perpetrator is motivated by job-related grievances, such as trouble with co-workers or being fired.

### GRIEVANCES\_RELATIONSHIP (Grievances: Relationships)

N	%	Value	Description
72	41.1%	1	Yes
2	1.1%	0	No
101	57.7%	-99	Missing

#### Description

Whether the perpetrator is motivated by relationship troubles and/or loss (e.g., failed or failing marriage or domestic / dating relationship).

### GRIEVANCES\_FAMILY (Grievances: Family)

N	%	Value	Description
88	50.3%	1	Yes
2	1.1%	0	No
85	48.6%	-99	Missing

#### Description

Whether the perpetrator is motivated by family-related troubles or loss, such as the death of a parent, estrangement, or conflict.

### GRIEVANCES\_FRIENDS (Grievances: Friends or Peers)

N	%	Value	Description
44	25.1%	1	Yes
1	0.6%	0	No
130	74.3%	-99	Missing

#### Description

Whether the perpetrator is motivated by conflicts with friends and/or peers.

### GRIEVANCES\_FINANCIAL (Grievances: Financial)

N	%	Value	Description
47	26.9%	1	Yes
4	2.3%	0	No
124	70.9%	-99	Missing

#### Description

Whether the perpetrator is motivated by financial troubles and/or loss.

**GRIEVANCES\_SCHOOL (Grievances: School)**

N	%	Value	Description
60	34.3%	1	Yes
0	0.0%	0	No
115	65.7%	-99	Missing

**Description**

Whether the perpetrator is motivated by school-related troubles or loss, including poor grades, suspension, or expulsion.

**GRIEVANCES\_TRAUMA (Grievances: Trauma)**

N	%	Value	Description
39	22.3%	1	Yes
0	0.0%	0	No
136	77.7%	-99	Missing

**Description**

Whether the perpetrator is motivated by previous and/or current trauma and/or abuse.

**GRIEVANCES\_HOMOPHOBIA (Grievances: Homophobia)**

N	%	Value	Description
15	8.6%	1	Yes
2	1.1%	0	No
158	90.3%	-99	Missing

**Description**

Whether the perpetrator is motivated by homophobia and/or anti-LGBTQ+ attitudes.

**GRIEVANCES\_RELIGIOUS (Grievances: Religious)**

N	%	Value	Description
21	12.0%	1	Yes
1	0.6%	0	No
153	87.4%	-99	Missing

**Description**

Whether the perpetrator is motivated by religious-centered beliefs, such as antisemitism.

**GRIEVANCES\_RACISM (Grievances: Race / Ethnicity)**

N	%	Value	Description
34	19.4%	1	Yes
2	1.1%	0	No
139	79.4%	-99	Missing

**Description**

Whether the perpetrator is racially motivated, including them expressing anti-Black, anti-immigrant, or White Supremacist views related to race.

**GRIEVANCES\_MISOGYNY (Grievances: Misogyny)**

N	%	Value	Description
13	7.4%	1	Yes
0	0.0%	0	No
162	92.6%	-99	Missing

**Description**

Whether the perpetrator is motivated by misogynistic views.

**GRIEVANCES\_FAME (Grievances: Fame-Seeking)**

N	%	Value	Description
29	16.6%	1	Yes
0	0.0%	0	No
146	83.4%	-99	Missing

**Description**

Whether the perpetrator is motivated by or seeking fame, attention, and/or notoriety.

**GRIEVANCES\_PSYCHIATRIC (Grievances: Psychiatric)**

N	%	Value	Description
113	64.6%	1	Yes
3	1.7%	0	No
59	33.7%	-99	Missing

**Description**

Whether the perpetrator's decision to carry out the event is motivated by mental illness and/or other psychiatric-related concerns.

### GRIEVANCES\_IDEOLOGICAL (Grievances: Ideological)

N	%	Value	Description
32	18.3%	1	Yes
3	1.7%	0	No
140	80.0%	-99	Missing

#### Description

Whether the perpetrator's desire to carry out the shooting is ideologically and/or politically motivated.

### GRIEVANCES\_OTHER (Grievances: Other)

N	%	Value	Description
8	4.6%	1	Yes
0	0.0%	0	No
167	95.4%	-99	Missing

#### Description

Whether the perpetrator is motivated by some other factor not captured in the prior variables.

### GRIEVANCES\_OTHER\_DESCRIBE (Description of Other Grievances)

N	%	Value	Description
8	4.6%	String	Varies
167	95.4%	-99	Missing

#### Description

If the perpetrator expressed another grievance (GRIEVANCE\_OTHER = 1), this is a description of that grievance.

## RESEARCH BEHAVIORS INFORMATION

### STUDIED\_SHOOTERS (Studied Mass Shooters)

N	%	Value	Description
44	25.1%	1	Yes
1	0.6%	0	No
130	74.3%	-99	Missing

#### Description

Whether the perpetrator researched other mass shooting perpetrators.

### STUDIED\_SHOOTERS\_DESCRIBE (Description of Other Shooters Studied)

N	%	Value	Description
41	23.4%	String	Varies
134	76.6%	-99	Missing

#### Description

If the perpetrator researched other mass shooters (STUDIED\_SHOOTERS = 1), this is a description of which shooters they researched.

### STUDIED\_OFFENDERS (Studied Other Offenders)

N	%	Value	Description
34	19.4%	1	Yes
0	0.0%	0	No
141	80.6%	-99	Missing

#### Description

Whether the perpetrator studied other violent offenders (e.g., serial killers).

### STUDIED\_SHOOTERS\_DESCRIBE (Description of Other Violent Offenders Studied)

N	%	Value	Description
34	19.4%	String	Varies
141	80.6%	-99	Missing

#### Description

If the perpetrator researched other mass shooters (STUDIED\_OFFENDERS = 1), this is a description of which shooters they researched.

**RESEARCHED\_WEAPONS (Researched Weapons)**

N	%	Value	Description
30	17.1%	1	Yes
0	0.0%	0	No
145	82.9%	-99	Missing

**Description**

Whether the perpetrator researched weapons, including acquisition, permitting, and/or practicing.

**RESEARCHED\_LOCATION (Researched Location Choice)**

N	%	Value	Description
45	25.7%	1	Yes
0	0.0%	0	No
130	74.3%	-99	Missing

**Description**

Whether the perpetrator researched their location choice, including obtaining schedules and/or building diagrams.

**RESEARCHED\_LOGISTICS (Researched Logistical Concerns)**

N	%	Value	Description
19	10.9%	1	Yes
0	0.0%	0	No
156	89.1%	-99	Missing

**Description**

Whether the perpetrator researched any logistical concerns and/or considerations.

**SURVEILLANCE (Conducted Surveillance)**

N	%	Value	Description
31	17.7%	1	Yes
0	0.0%	0	No
144	82.3%	-99	Missing

**Description**

Whether the perpetrator surveilled their intended location target in person.

### MAPPED\_LOCATION (Mapped Location)

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.7%	-99	Missing

#### Description

Whether the perpetrator mapped out their plan related to the location (e.g., marking up building diagrams, noting specific entry points).

### MAPPED\_SELF (Mapped Self)

N	%	Value	Description
25	14.3%	1	Yes
0	0.0%	0	No
150	85.7%	-99	Missing

#### Description

Whether the perpetrator mapped out their plan related to themselves, such as how they planned to dress and/or carry their weapon(s).

### POLICE\_RESPONSE (Studied Police Response)

N	%	Value	Description
14	8.0%	1	Yes
0	0.0%	0	No
161	92.0%	-99	Missing

#### Description

Whether the perpetrator studied police response (e.g., how long it takes law enforcement to respond to a crime scene).

### RECRUIT (Recruit Other People)

N	%	Value	Description
5	2.9%	1	Yes
2	1.1%	0	No
168	96.0%	-99	Missing

#### Description

Whether the perpetrator recruited or attempted to recruit one or more other people to assist with the event.

### TO\_DO\_LISTS (Created To-Do Lists)

N	%	Value	Description
16	9.1%	1	Yes
0	0.0%	0	No
159	90.9%	-99	Missing

#### Description

Whether the perpetrator created to-do lists, such as a list of tasks related to preparing for the event.

### HIT\_LISTS (Created Hit Lists)

N	%	Value	Description
17	9.7%	1	Yes
5	2.9%	0	No
153	87.4%	-99	Missing

#### Description

Whether the perpetrator created one or more hit lists.

### RESEARCH\_OTHER (Other Research)

N	%	Value	Description
6	3.4%	1	Yes
0	0.0%	0	No
169	96.6%	-99	Missing

#### Description

Whether the perpetrator engaged in other research-related behaviors not captured by the above variables.

### RESEARCH\_OTHER\_DESCRIBE (Description of Other Research)

N	%	Value	Description
6	3.4%	String	Varies
169	96.6%	-99	Missing

#### Description

If the perpetrator researched using other methods (RESEARCH\_OTHER = 1), this is a description of that method.

## WEAPONS PRACTICE INFORMATION

### WP\_FORMAL (Practice: Formal Ranges)

N	%	Value	Description
53	30.3%	1	Yes
2	1.1%	0	No
120	68.6%	-99	Missing

#### Description

Whether the perpetrator practiced with their weapon(s) at formal gun range(s).

### WP\_INFORMAL (Practice: Informal Ranges)

N	%	Value	Description
20	11.4%	1	Yes
1	0.6%	0	No
154	88.0%	-99	Missing

#### Description

Whether the perpetrator practiced with their weapon(s) at informal gun range(s), such as shooting in their backyard or out in the woods.

### WP\_SIMULATION (Practice: Simulation)

N	%	Value	Description
4	2.3%	1	Yes
1	0.6%	0	No
170	97.1%	-99	Missing

#### Description

Whether the perpetrator practiced with their weapon(s) using simulation through computer or video games, virtual reality, or some other digital mechanism.

**WP\_OTHER (Practice: Other)**

N	%	Value	Description
0	0.0%	1	Yes
0	0.0%	0	No
175	100.0%	-99	Missing

**Description**

Whether the perpetrator practiced with their weapon(s) in another method not captured in the previous variables.

**WP\_OTHER\_DESCRIBE (Description of Other Practice)**

N	%	Value	Description
0	0.0%	String	Varies
175	100.0%	-99	Missing

**Description**

If the perpetrator practiced using other methods (WP\_OTHER = 1), this is a description of that method.

## LEGACY TOKEN INFORMATION

### LT\_MANIFESTO\_WRITTEN (Legacy Token: Written Manifesto)

N	%	Value	Description
26	14.9%	1	Yes
4	2.3%	0	No
145	82.9%	-99	Missing

#### Description

Whether the perpetrator created a written manifesto.

### LT\_MANIFESTO\_VIDEO (Legacy Token: Video Manifesto)

N	%	Value	Description
16	9.1%	1	Yes
1	0.6%	0	No
158	90.3%	-99	Missing

#### Description

Whether the perpetrator created a video manifesto.

### LT\_MANIFESTO\_PHOTO (Legacy Token: Photo Manifesto)

N	%	Value	Description
1	0.6%	1	Yes
1	0.6%	0	No
173	98.9%	-99	Missing

#### Description

Whether the perpetrator created a photo manifesto.

### LT\_NOTE (Legacy Token: Suicide Note)

N	%	Value	Description
41	23.4%	1	Yes
3	1.7%	0	No
131	74.9%	-99	Missing

#### Description

Whether the perpetrator wrote a suicide note.

### LT\_OTHER (Legacy Token: Other)

N	%	Value	Description
38	21.7%	1	Yes
0	0.0%	0	No
137	78.3%	-99	Missing

#### Description

Whether the perpetrator created another form of a legacy token not captured in the previous variables.

### LT\_OTHER\_DESCRIBE (Description of Other Legacy Token)

N	%	Value	Description
38	21.7%	String	Varies
137	78.3%	-99	Missing

#### Description

If the perpetrator practiced using other methods (LT\_OTHER = 1), this is a description of that legacy token.

## OVERALL PLANNING INFORMATION

### PLANNING\_DATE (First Planning Date)

N	%	Value	Description
63	36.0%	Date	Varies
112	64.0%	-99	Missing

#### Description

The earliest date identified where the perpetrator engaged in some type of planning activity related to the shooting.

### PLANNING\_LENGTH (Length of Planning)

N	%	Value	Description
63	36.0%	Numeric	0 to 3839 (Median = 61; Mean = 303.27; SD = 595.44)
112	64.0%	-99	Missing

#### Description

The length of time between the earliest identified date of planning and the event date.  
Calculated as DATE (MPSE) – PLANNING\_LENGTH (PACB-MPS).

## CONCERNING BEHAVIORS INFORMATION

### CB\_KILLING (Concerning Behaviors: Desire to Kill)

N	%	Value	Description
106	60.6%	1	Yes
0	0.0%	0	No
69	39.4%	-99	Missing

#### Description

Whether the perpetrator has expressed a desire to kill others.

### CB\_DRUGS\_ILLICIT (Concerning Behaviors: Illicit Drug Abuse)

N	%	Value	Description
18	10.3%	1	Yes
17	9.7%	0	No
140	80.0%	-99	Missing

#### Description

Whether the perpetrator has engaged in illicit drug abuse, including use of cocaine and/or methamphetamines.

### CB\_DRUGS\_PRESCRIPTION (Concerning Behaviors: Prescription Drug Abuse)

N	%	Value	Description
11	6.3%	1	Yes
13	7.4%	0	No
151	86.3%	-99	Missing

#### Description

Whether the perpetrator has engaged in prescription drug abuse, including Xanax, Adderall, and/or steroids.

### CB\_DRUGS\_OTHER (Concerning Behaviors: Other Drug Abuse)

N	%	Value	Description
42	24.0%	1	Yes
15	8.6%	0	No
118	67.4%	-99	Missing

#### Description

Whether the perpetrator has engaged in other drug abuse, including marijuana.

**CB\_ALCOHOL (Concerning Behaviors: Alcohol Abuse)**

N	%	Value	Description
42	24.0%	1	Yes
14	8.0%	0	No
119	68.0%	-99	Missing

**Description**

Whether the perpetrator has engaged in alcohol abuse.

**CB\_SCHOOL (Concerning Behaviors: Poor School Performance)**

N	%	Value	Description
44	25.1%	1	Yes
1	0.6%	0	No
130	74.3%	-99	Missing

**Description**

Whether the perpetrator is performing poorly in school (e.g., failing assignments and/or classes).

**CB\_EMPLOYMENT (Concerning Behaviors: Poor Work Performance)**

N	%	Value	Description
37	21.1%	1	Yes
3	1.7%	0	No
135	77.1%	-99	Missing

**Description**

Whether the perpetrator is performing poorly in their employment role.

**CB\_FIGHTS (Concerning Behaviors: Fights)**

N	%	Value	Description
56	32.0%	1	Yes
3	1.7%	0	No
116	66.3%	-99	Missing

**Description**

Whether the perpetrator engages in fights with other people.

**CB\_RISKY (Concerning Behaviors: Risky)**

N	%	Value	Description
18	10.3%	1	Yes
0	0.0%	0	No
157	89.7%	-99	Missing

**Description**

Whether the perpetrator engages in risky and/or risk-taking behavior.

**CB\_IMPULSIVE (Concerning Behaviors: Impulsive)**

N	%	Value	Description
14	8.0%	1	Yes
0	0.0%	0	No
161	92.0%	-99	Missing

**Description**

Whether the perpetrator expresses impulsivity and/or acts in an impulsive manner.

**CB\_CONSPIRACY (Concerning Behaviors: Conspiracy Theories)**

N	%	Value	Description
26	14.9%	1	Yes
0	0.0%	0	No
149	85.1%	-99	Missing

**Description**

Whether the perpetrator researches and/or discusses conspiracy theories.

**CB\_ANGER (Concerning Behaviors: Anger)**

N	%	Value	Description
130	74.3%	1	Yes
1	0.6%	0	No
44	25.1%	-99	Missing

**Description**

Whether the perpetrator expresses anger or aggression or exhibits threatening behavior.

**CB\_SADNESS (Concerning Behavior: Sadness)**

N	%	Value	Description
90	51.4%	1	Yes
0	0.0%	0	No
85	48.6%	-99	Missing

**Description**

Whether the perpetrator expresses sadness and/or depression.

**CB\_SUICIDE (Concerning Behaviors: Suicidal Ideation)**

N	%	Value	Description
97	55.4%	1	Yes
1	0.6%	0	No
77	44.0%	-99	Missing

**Description**

Whether the perpetrator exhibits suicidal ideation.

**CB\_SELF\_HARM (Concerning Behaviors: Self-Harm)**

N	%	Value	Description
17	9.7%	1	Yes
2	1.1%	0	No
156	89.1%	-99	Missing

**Description**

Whether the perpetrator engages in self-harm, such as cutting.

**CB\_ISOLATION (Concerning Behaviors: Isolation)**

N	%	Value	Description
91	52.0%	1	Yes
0	0.0%	0	No
84	48.0%	-99	Missing

**Description**

Whether the perpetrator becomes withdrawn or socially isolates themselves from others.

**CB\_FIXATION (Concerning Behaviors: Fixation)**

N	%	Value	Description
69	39.4%	1	Yes
0	0.0%	0	No
106	60.6%	-99	Missing

**Description**

Whether the perpetrator becomes fixated and/or has a preoccupation with a person, activity, or belief.

**CB\_STALKING (Concerning Behaviors: Stalking)**

N	%	Value	Description
16	9.1%	1	Yes
0	0.0%	0	No
159	90.9%	-99	Missing

**Description**

Whether the perpetrator engages in stalking one or more persons.

**CB\_BULLYING (Concerning Behaviors: Bullying)**

N	%	Value	Description
41	23.4%	1	Yes
2	1.1%	0	No
132	75.4%	-99	Missing

**Description**

Whether the perpetrator has engaged in bullying and/or harassing behavior.

**CB\_HALLUCINATIONS (Concerning Behaviors: Hallucinations)**

N	%	Value	Description
29	16.6%	1	Yes
3	1.7%	0	No
143	81.7%	-99	Missing

**Description**

Whether the perpetrator has experienced visual and/or auditory hallucinations.

**CB\_PARANOIA (Concerning Behaviors: Paranoia)**

N	%	Value	Description
63	36.0%	1	Yes
1	0.6%	0	No
111	63.4%	-99	Missing

**Description**

Whether the perpetrator has exhibited paranoid and/or delusional thinking.

**CB\_PHYSICAL\_APPEARANCE (Concerning Behaviors: Physical Appearance)**

N	%	Value	Description
23	13.1%	1	Yes
0	0.0%	0	No
152	86.9%	-99	Missing

**Description**

Whether the perpetrator has exhibited changes in their physical appearance, dress, and/or hygiene.

**CB\_SLEEP (Concerning Behaviors: Sleep)**

N	%	Value	Description
24	13.7%	1	Yes
0	0.0%	0	No
151	86.3%	-99	Missing

**Description**

Whether the perpetrator has exhibited changes in their sleep behaviors (i.e., oversleeping, insomnia).

**CB\_SEXUAL (Concerning Behaviors: Sexual Behavior)**

N	%	Value	Description
2	1.1%	1	Yes
0	0.0%	0	No
173	98.9%	-99	Missing

**Description**

Whether the perpetrator has exhibited changes in their sexual behavior.

### CB\_OTHER (Concerning Behaviors: Other)

N	%	Value	Description
7	4.0%	1	Yes
168	96.0%	0	No
0	0.0%	-99	Missing

#### Description

Whether the perpetrator has exhibited other concerning behaviors or changes not captured in the previous variables.

### CB\_OTHER\_DESCRIBE (Description of Other Concerning Behavior)

N	%	Value	Description
7	4.0%	String	Varies
168	96.0%	-99	Missing

#### Description

If the perpetrator exhibited other concerning behaviors (CB\_OTHER = 1), this is a description of the other behavior(s).