

### Extreme Risk Protection Orders to Prevent Mass Shootings: What do Researchers Know?

Mass shootings are a source of shared anguish and outrage among the American public, and they are becoming more frequent. Extreme risk protection orders (ERPOs) are designed to prevent these shootings, and research supports their effectiveness.

#### Key Takeaways

- 1. Mass shooters frequently share their plans, creating opportunities to intervene
- 2. ERPOs are temporary, tailored interventions focused on high-risk individuals
- 3. Research indicates ERPOs can prevent both mass shootings and suicides
- 4. ERPOs are widely supported by the general public, including most gun owners
- 5. Resources are needed to improve training and implementation related to ERPOs

### **Background: Mass Shootings and their Perpetrators**

<u>There is no universally accepted definition of a mass shooting – counts vary drastically.</u><sup>1</sup> An oftencited, broad measure counts mass shootings as when 4 or more people, excluding the shooter, are shot or killed in one event, totaling 246 incidents from January 1-June 5, 2022.<sup>2</sup> Many researchers use more conservative measures, e.g., including only shootings in public places, when 4 or more people are killed, or excluding those occurring in the context of other criminal activity.<sup>\*</sup>

<u>Mass shootings are rare but increasing</u>: Even using the broad count cited above, only about 1% of all firearm-related deaths (2-3% of firearm homicides) occur in mass shootings.<sup>2,3</sup> While rare, the frequency and death toll of mass shootings are rising.<sup>2,4,5</sup>

<u>Mass shooters often share their plans and exhibit dangerous behaviors and warning signs:</u> Approximately half of public mass shooters—and almost all school shooters—"leak" their plans to others.<sup>6</sup> The majority of mass attackers (65-93%) engage in some form of threatening or concerning communications prior to the incident, and at least one-quarter are motivated by ideologies such as white supremacy, misogyny, and xenophobia.<sup>7</sup> Mass shooters often have a history of violence towards others, including domestic violence (DV).<sup>5,7</sup> One study found that nearly 70% of fatal mass shootings were DV-related or the shooter had a history of DV.<sup>8</sup> Although some experience mental health problems, most mass shooters do *not* meet criteria for involuntary psychiatric hospitalization and are thus not subject to associated firearms prohibitions.<sup>9,10</sup>

<u>People often recognize concerning behaviors, providing opportunities for intervention</u>: At least twothirds of mass attackers exhibit behaviors that elicit concern in family members, friends, neighbors, classmates, co-workers, or others.<sup>7</sup> Recent research estimates that 1 in 5 adults in California personally know someone whom they perceive to be at risk of harming themselves or others; an estimated 130,000 Californians know a person who has made threats of mass violence.<sup>11</sup>

<sup>&</sup>lt;sup>\*</sup> This memorandum cites research using various definitions of mass shootings. Please note that not all statistics can be directly compared; see original research as needed.



### What are Extreme Risk Protection Orders (ERPOs)?

<u>ERPOs were created to prevent mass shootings</u>: An extreme risk protection order, or ERPO, is a civil court order that temporarily prevents a person who is at risk of hurting themselves or others from possessing or purchasing firearms and ammunition.<sup>†</sup> ERPO laws were designed and are often adopted in response to mass shootings.<sup>12,13</sup> To date, 19 states and the District of Columbia have ERPO laws, mostly enacted since 2016.

<u>ERPOs must be based on key behavioral warning signs and ordered by a judge:</u> An ERPO is initiated via petition by law enforcement, or, in some states, by family, household members, or other eligible petitioners, and issued by a judge who considers evidence of the respondent's dangerousness to self or others. Such evidence may include: recent acts or threats of violence toward self or others; history of threatening or dangerous behaviors; and recent acquisition of firearms or ammunition. A psychiatric diagnosis is not recommended for consideration.<sup>14</sup>

<u>ERPOs are civil orders with protections for respondents, including due process</u>: ERPOs do not create criminal records unless an order is violated. Due process protections are built in for both emergency ex parte orders (typically lasting 2 to 3 weeks) and longer-term orders (typically lasting up to 1 year);<sup>15</sup> the latter are only issued after notice and a hearing. Many states have criminal penalties for knowingly filing a false or harassing petition, and research suggests that such misuse is extremely rare.<sup>16</sup>

### **Do ERPOs Prevent Violence?**

<u>ERPOs are successful in cases of threatened violence</u>: ERPOs are overwhelmingly being used as intended, intervening in cases of threatened self- or other-directed violence, including mass shootings. ERPO petitions are usually filed by law enforcement and the majority are granted. When petitions are denied, it is most often because they do not meet the required burden of proof. In most cases, firearms are recovered by or turned in to law enforcement, though ERPOs are also used to prevent respondents from purchasing new firearms.<sup>16–23</sup>

<u>Deaths among respondents are rare post-ERPO</u>: Among ERPO cases in California from 2016-2018, with follow-up for 379 respondents, one died by firearm injuries sustained in a suicide attempt that prompted the order to be requested; no other respondents died by suicide using firearms or other means after being issued an ERPO.<sup>18</sup>

<u>ERPOs have been used to stop potential mass shootings:</u> In the first three years of California's ERPO law, 58 cases involved threatened mass shootings, including 6 that involved minors targeting schools.<sup>18</sup> A separate in-depth analysis of 21 of these cases found that none of the threatened shootings had occurred, nor had there been other homicides or suicides by the respondents.<sup>24</sup> While it is impossible to know what would have happened without the intervening ERPOs, these are promising results.

<sup>&</sup>lt;sup>†</sup> We use "ERPO" as an umbrella term for temporary risk-based firearm removal policies. These policies and their names differ by state (e.g. *gun violence restraining order* in California) and are sometimes referred to as "red flag laws."

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<u>ERPOs protect individuals, but it may be too early to see change in the population:</u> Studies of *individual-level* outcomes found that ERPO laws in Connecticut and Indiana are effective for suicide prevention, estimating that one life is saved for every 10-20 orders issued.<sup>21,22</sup> Findings of *population-level* studies are mixed. A recent study found no statistically significant reduction in firearm violence associated with ERPO implementation in San Diego County, California;<sup>25</sup> experts note that there were likely too few ERPOs issued during the study period to observe *population-level* effects.<sup>26</sup>

### **Does the General Public Support ERPOs?**

<u>Public support for ERPO policies is high:</u> Survey data show that a strong majority of Americans support the concept of ERPOs, irrespective of political party or gun ownership status.<sup>27</sup> When Californians were asked about ERPOs, 80-85% of firearm owners agreed that ERPOs are at least sometimes appropriate in 4 of 5 risk scenarios (e.g., threats of harm to self, others, groups of people), even higher than the 72-78% agreement by non-owners and 76-85% by non-owners who live with owners. In the remaining scenario, support remained at 72% or higher for each group.<sup>28</sup>

<u>Public willingness to use an ERPO is high:</u> Depending on the scenario, 73-84% of adults in California say they would be somewhat or very willing to personally petition for an ERPO for an atrisk family member. Non-gun owners who live with firearm owners report the highest levels of willingness (84-95%).<sup>28</sup>

<u>Public perception and use of ERPOs varies by race and ethnicity:</u> Research from California suggests that support for and personal willingness to use ERPOs is lower among Black and Hispanic/Latinx adults, who most often cite a lack of knowledge about ERPOs, distrust that the system will be fair, or the belief that these are personal/family matters. Among 193 ERPO respondents between 2016-2018, no family or household members served as petitioners for Black and Hispanic/Latinx respondents.<sup>29</sup>

### What is Needed to Improve ERPO Implementation?

<u>Robust implementation support is key:</u> Within states, there is substantial local variation in ERPO use.<sup>16,17,19,20</sup> Local champions drive uptake. Interviews with stakeholders, including judges, law enforcement officers, city and district attorneys, and policy experts, have indicated that funding and guidance to support local implementation efforts can lead to clearer and more consistent practices.<sup>30,31</sup> Pairing law enforcement with other professionals (e.g., social workers) in serving ERPOs may promote racial equity and connect respondents to support services.<sup>29</sup>

<u>Professionals who may petition for ERPOs need and want training</u>: Most ERPO petitioners are law enforcement, but in a survey of officers in states with ERPO laws, only 55% had received training.<sup>32</sup> Most healthcare providers surveyed in Washington and Maryland reported being willing to contact law enforcement to file a petition or file a petition directly, but desired additional support and training.<sup>33,34</sup>

## HEALTH

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The UC Davis Violence Prevention Research Program (VPRP) is a multi-disciplinary program of research and policy development focused on causes, consequences, and prevention of violence. Research areas include firearm violence, social conditions that underlie violence, and connections between violence, substance abuse, and mental illness. Learn more at health.ucdavis.edu/vprp/.

#### Sources

- 1. Booty M, O'Dwyer J, Webster D, McCourt A, Crifasi C. Describing a "mass shooting": the role of databases in understanding burden. Inj Epidemiol. 2019;6(1):47. doi:10.1186/s40621-019-0226-7
- Gun Violence Archive. https://www.gunviolencearchive.org/reports/mass-shooting
- Centers for Disease Control and Prevention, National Center for Injury Prevention and Control. Web-based Injury Statistics Query and Reporting 3. System (WISQARS) [online]. www.cdc.gov/injury/wisqars
- US Mass Shootings, 1982–2022: Mother Jones' Investigation. https://www.motherjones.com/politics/2012/12/mass-shootings-mother-jones-full-data/ Peterson J. A Multi-Level, Multi-Method Investigation of the Psycho-Social Life Histories of Mass Shooters.; 2021. Accessed June 9, 2022. 4 5.
- https://www.ojp.gov/library/publications/multi-level-multi-method-investigation-psycho-social-life-histories-mass Peterson J, Erickson G, Knapp K, Densley J. Communication of Intent to Do Harm Preceding Mass Public Shootings in the United States, 1966 to 6 2019. JAMA Netw Open. 2021;4(11):e2133073-e2133073. doi:10.1001/jamanetworkopen.2021.33073
- National Threat Assessment Center. Mass Attacks in Public Spaces 2019. U.S. Secret Service, Department of Homeland Security; 2020. 7. https://www.secretservice.gov/newsroom/reports/threat-assessments/mass-attacks-public-spaces/details
- Geller LB, Booty M, Crifasi CK. The role of domestic violence in fatal mass shootings in the United States, 2014-2019. Inj Epidemiol. 2021;8(1):38. 8 doi:10.1186/s40621-021-00330-0
- 9. Skeem J, Mulvey E. What role does serious mental illness play in mass shootings, and how should we address it? Criminol Public Policy. 2020;19(1):85-108. doi:10.1111/1745-9133.12473
- 10. Swanson JW, McGinty EE, Fazel S, Mays VM. Mental illness and reduction of gun violence and suicide: bringing epidemiologic research to policy. Ann Epidemiol. 2015;25(5):366-376. doi:10.1016/j.annepidem.2014.03.004
- Aubel AJ, Wintemute GJ, Kravitz-Wirtz N. Anticipatory concerns about violence within social networks: prevalence and implications for prevention. Manuscript submitted for publication.
- 12. Laqueur HS, Wintemute GJ. Identifying high-risk firearm owners to prevent mass violence. Criminol Public Policy. 2020;19(1):109-127. doi:10.1111/1745-9133.12477
- 13. Consortium for Risk-Based Firearm Policy. Extreme Risk Protection Orders: New Recommendations for Policy and Implementation.; 2020. www.efsgv.org/ERPO2020
- 14. Educational Fund to Stop Gun Violence, Alliance for Gun Responsibility, Giffords. Extreme Risk Laws: A Toolkit for Developing Life-Saving Policy in Your State.; 2018. https://giffords.org/wp-content/uploads/2018/08/Extreme-Risk-Laws-Toolkit.pdf
- 15. Blocher J, Charles J. Firearms, Extreme Risk, and Legal Design: "Red Flag" Laws and Due Process. Va Law Rev. 2020;106(6).
- biolario di la biolario di la calco di la construcción da la constru La construcción da la cons
- 2021:8(1):59. doi:10.1186/s40621-021-00353-7 Pallin R, Schleimer JP, Pear VA, Wintermute GJ. Assessment of Extreme Risk Protection Order Use in California From 2016 to 2019. JAMA Netw Open. 2020;3(6):e207735. doi:10.1001/jamanetworkopen.2020.7735 17
- Pear VA, Pallin R, Schleimer JP, et al. Gun violence restraining orders in California, 2016–2018: case details and respondent mortality. *Inj Prev.* Published online June 1, 2022:injuryprev-2022-044544. doi:10.1136/injuryprev-2022-044544
- 19. Rowhani-Rahbar A, Bellenger MA, Gibb L, et al. Extreme Risk Protection Orders in Washington : A Statewide Descriptive Study. Ann Intern Med. 2020;173(5):342-349. doi:10.7326/M20-0594
- 20. Zeoli AM, Paruk J, Branas CC, et al. Use of extreme risk protection orders to reduce gun violence in Oregon. Criminol Public Policy. 2021;20(2):243-261. doi:10.1111/1745-9133.12544
- 21. Swanson JW, Norko MA, Lin HJ, et al. Implementation and Effectiveness of Connecticut's Risk-Based Gun Removal Law: Does it Prevent Suicides? LAW Contemp Probl. 2017;80(2):179-208.
- 22. Swanson JW, Easter MM, Alanis-Hirsch K, et al. Criminal Justice and Suicide Outcomes with Indiana's Risk-Based Gun Seizure Law. J Am Acad Psychiatry Law. 2019;47(2):10.
- 23. Kivisto AJ, Phalen PL. Effects of Risk-Based Firearm Seizure Laws in Connecticut and Indiana on Suicide Rates, 1981-2015. Psychiatr Serv. Published online June 1, 2018:appips201700250. doi:10.1176/appi.ps.201700250
- 24. Wintemute GJ, Pear VA, Schleimer JP, et al. Extreme Risk Protection Orders Intended to Prevent Mass Shootings: A Case Series. Ann Intern Med. 2019;171(9):655. doi:10.7326/M19-2162
- 25. Pear VA, Wintemute GJ, Jewell NP, Ahern J. Firearm Violence Following the Implementation of California's Gun Violence Restraining Order Law. JAMA Netw Open. 2022;5(4):e224216. doi:10.1001/jamanetworkopen.2022.4216
- 26. Swanson JW, Caves Sixaraman JJ, Easter MM. Evaluating Extreme Risk Protection Order Laws: When Is It Premature to Expect Population-Level Effects? JAMA Netw Open. 2022;5(4):e224909. doi:10.1001/jamanetworkopen.2022.4909
- 27. Barry CL, Stone EM, Crifasi CK, Vernick JS, Webster DW, McGinty EE. Trends In Public Opinion On US Gun Laws: Majorities Of Gun Owners And Non-Gun Owners Support A Range Of Measures. Health Aff (Millwood). 2019;38(10):1727-1734. doi:10.1377/hlthaff.2019.00576
- Kravitz-Wirtz N. Aubel AJ, Pallin R, Winterute GJ. Public Awareness of and Personal Willingness to Use California's Extreme Risk Protection Order Law to Prevent Firearm-Related Harm. JAMA Health Forum. 2021;2(6):e210975-e210975. doi:10.1001/jamahealthforum.2021.0975
- 29. Pear VA, Schleimer JP, Aubel AJ, et al. Extreme risk protection orders, race/ethnicity, and equity: evidence from California. Manuscript submitted for publication. Published online 2022.
- 30. Pallin R, Tomsich E, Schleimer JP, et al. Understanding the circumstances and stakeholder perceptions of gun violence restraining order use in California: A qualitative study. Criminol Public Policy. 2021;20(4):755-773. doi:10.1111/1745-9133.12560
- 31. Pear VA, Schleimer JP, Tomsich E, et al. Implementation and perceived effectiveness of gun violence restraining orders in California: A qualitative evaluation. PLOS ONE. 2021;16(10):e0258547. doi:10.1371/journal.pone.0258547
- 32. Pear V, Peterson K, Biasi AD, Charbonneau A. 112 Officer knowledge, training, and willingness to use extreme risk protection orders. Inj Prev. 2022;28(Suppl 1):A40. doi:10.1136/injuryprev-2022-SAVIR.103
- 33. Gause EL, Conrick KM, Moore M, Rowhani-Rahbar A, Rivara FP. 036 Washington clinicians' willingness and preferences related to extreme risk protection orders for their patients. Inj Prev. 2022;28(Suppl 1):A11. doi:10.1136/injuryprev-2022-SAVIR.30
- 34 Frattaroli S, Hoops K, Irvin NA, et al. Assessment of Physician Self-reported Knowledge and Use of Maryland's Extreme Risk Protection Order Law. JAMA Netw Open. 2019;2(12):e1918037. doi:10.1001/jamanetworkopen.2019.18037