Firearm Storage Maps: A Pragmatic Approach to Reduce Firearm Suicide During Times of Risk

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Background

- Firearm ownership is associated with firearm suicide.¹
- Temporary out-of-home firearm storage, or lethal means counseling, is an evidence-based strategy to prevent firearm suicide.²
- Colorado has one of the nation’s highest suicide rates and firearms are involved in more than 50% of Colorado suicides.³
- There are substantial practical barriers towards finding options for out-of-home gun storage during periods of suicidal crisis.⁴

Methods

- The authors sought to create the first-of-its kind online map that lists locations that consider requests for voluntary firearm storage during periods of personal crisis.
- Gun shops and law enforcement agencies (LEAs) were contacted on behalf of the Colorado Firearm Safety Coalition, a non-partisan organization of physicians, public health practitioners, and gun shops owners committed to gun safety and suicide prevention.
- Colorado gun shops were aggregated through a targeted Google Maps search for ‘gun shop(s),’ ‘firearm,’ ‘armory,’ ‘shooting range,’ and ‘firing range.’
- LEAs were identified through a purchased registry from Dunn & Bradstreet.
- Gun shops were contacted twice via phone during normal business hours.
- LEAs were contacted twice via email.
- The online map resource was built with publicly-accessible Google Maps software.

Online Map Resource

Link: https://coloradofirearmsafetycoalition.org/gun-storage-map/

Legend

Red pin = gun shop; Blue pin = LEA; Yellow pin = other

Results

- 471 gun shops and 215 LEAs in Colorado were contacted.
- In total, 61 locations agreed to be listed on the map.
- 46 (10%) of contacted gun shops and 15 (7%) of contacted LEAs agreed to be listed on the map.
- Since publication, 5 additional locations have asked to be added to the map.
- 32/64 (50%) of Colorado counties now have a listed location for temporary gun storage

Impact

- The online map has been viewed more than 37,000 times since publication in August 2019.⁵
- The map has been featured in numerous Colorado news outlets including The Denver Post, The Colorado Gazette, CPR, and KUNC.
- 11 other states are currently in the process of establishing gun storage maps for their states.
- Washington and Maryland recently became the 2nd and 3rd states in the nation to launch gun storage maps.

Conclusions

- Gun storage maps are a feasible approach to support lethal means counseling to reduce firearm suicide.
- Individual agencies or organizations can reasonably create gun storage maps on their own.
- Numerous barriers remain to temporary, voluntary out-of-home gun storage including concerns about liability, cost, and logistical ease.
- Future gun storage projects may benefit from increased legal clarification regarding the temporary transfer of firearms.
- Future research is needed to establish the exact impact that firearm storage maps have on firearm suicide.

Acknowledgments

Participating Colorado gun shops and law enforcement agencies, the Colorado Firearm Safety Coalition.

References