

An Analysis of Active Shooters in the Hospital Setting, 2000 - 2015

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Background

- •1/20/15: Michael J. Davidson MD, was shot on the premises of Brigham and Women's Hospital
- •At least a dozen active shooter incidences across country in the year before¹
- •Most hospitals have few or no screens for weapons.¹

Objectives

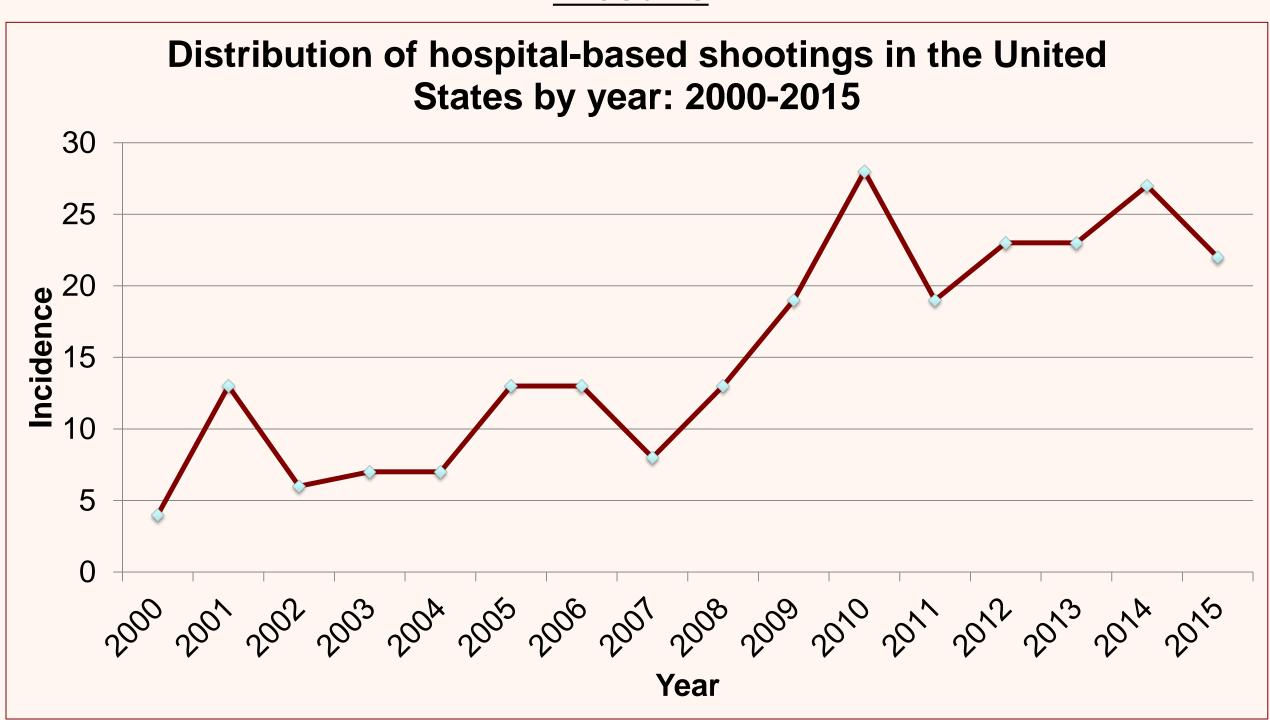
- •Determine incidence of active shooters and gun discharge in hospital settings, and whether annual incidence has increased.
- •Determine motives and profiles of shooters, and policies for preventing gun violence in the future¹

Methods

A database of gun discharge events in hospitals was compiled using:

- Data from the Joint Commission, the FBI Uniform Crime Reporting Statistics, the National Institute of Occupation Safety and Health, and the National Violent Death Reporting,
- LexisNexis
- Public search engines (Google, Pubmed, Bing, Google Scholar)

Results



Characteristics and Categories	Total n = 241	Inside Hospital n = 170	Outside Hospital n = 71
Region of Country			
South	105	66	39
Midwest	56	42	14
West	42	35	7
Northeast	38	27	11
Rural			
Yes	52	27	25
No	189	138	51
Specific Location			
ED	50	50	N/A
Patient room	42	42	N/A
Parking lot	40	N/A	40
Entrance/Outside	29	N/A	29
Other	80	78	2

Characteristics and Categories	Total n = 241	Inside Hospital n = 170	Outside Hospital n = 71
Motive			
Grudge	79	52	27
Suicide	27	20	7
III relative	21	21	0
Escape attempt	33	32	1
Social violence	36	20	16
Mentally instability	24	19	5
Unclear	21	6	15
Disposition of perpetrator			
Suicide	110	90	20
Arrested	61	31	30
Shot and killed	38	23	25
Shot and arrested	10	8	2
Other	4	4	0
Unclear	18	15	3

Conclusions

- The incidence of hospital shootings has risen in the past decade and a half to become a monthly occurrence
- A greater fraction of hospitals shootings are taking place inside the building, than in the past (graph not shown)
- By far the most common motive is that of a personal grudge.
- A consistent percentage of hospital shootings come from efforts by inmates to escape, highlighting a need to train guards on how to secure their guns. hospital shootings

Future Directions

 Need to examine the effect of gun control laws, metal detectors in hospitals, and other factors on shooting rates.

<u>Acknowledgements</u>

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References

Kelen, Gabor D., et al. "Hospital-based shootings in the United States: 2000 to 2011." Annals of emergency medicine 60.6 (2012): 790-798.