A Tale of Two Schools:
A Case Study of Two Oklahoma School Districts During Tornado Events

Virginia Silvis and Mark Shafer
Department of Geography & Environmental Sustainability, University of Oklahoma

Every year school districts around the U.S. are having to deal with tornado warnings, and with many of these warnings occurring during busy pick-up and drop-off times. Often administrators have only a short period of time between when the tornado warning is issued and when the tornado is directly impacting their school district. In the past few years officials at both the Edmond and Norman Public Schools, located just to the north and south respectively of Oklahoma City, have had first-hand experience in dealing with a tornado threatening schools in their district.

On 10 February 2009 an EF-2 tornado tracked through the northwest parts of Edmond, OK and on 13 April 2012 an EF-1 tornado tracked through the heart of Norman, OK. Both of these tornadoes occurred near or at dismissal time for schools in each district. The tornado events of 10 February 2009 and 13 April 2012 both occurred during sligtsevere weather risk days according to the Storm Prediction Center (SPC).

METHOD

- Snowball sampling of Edmond and Norman district administrators, school principals, and other knowledgeable parties
- Interview questions covering tornado plans before the event, frequency of tornado drills & the different situations practiced in a drill, actions taken immediately after learning of the warning, and any potential changes made to district tornado safety plans as a result of the event
- No students are included in any interviews with either district

IMPLICATIONS

- A major weakness in tornado plans maybe dismissal times as students are not necessarily located in any one area of the building
- More difficult to determine how many students are still at the school, where they are located, and how to quickly get them to safety
- Parents picking up their children may also be on school grounds during an event and would need to be sheltered as well
- It’s important to determine how school districts are learning and adapting to events that test their tornado safety plans
- Sharing this information with other school districts that may not experience tornadoes very often could help strengthen their safety plans

REFERENCES


