

# Bridging the Gap: Investigating the Integration of Weather Information into Emergency Management



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Poster Showcase  
 Competitive Division  
 #IAEM25

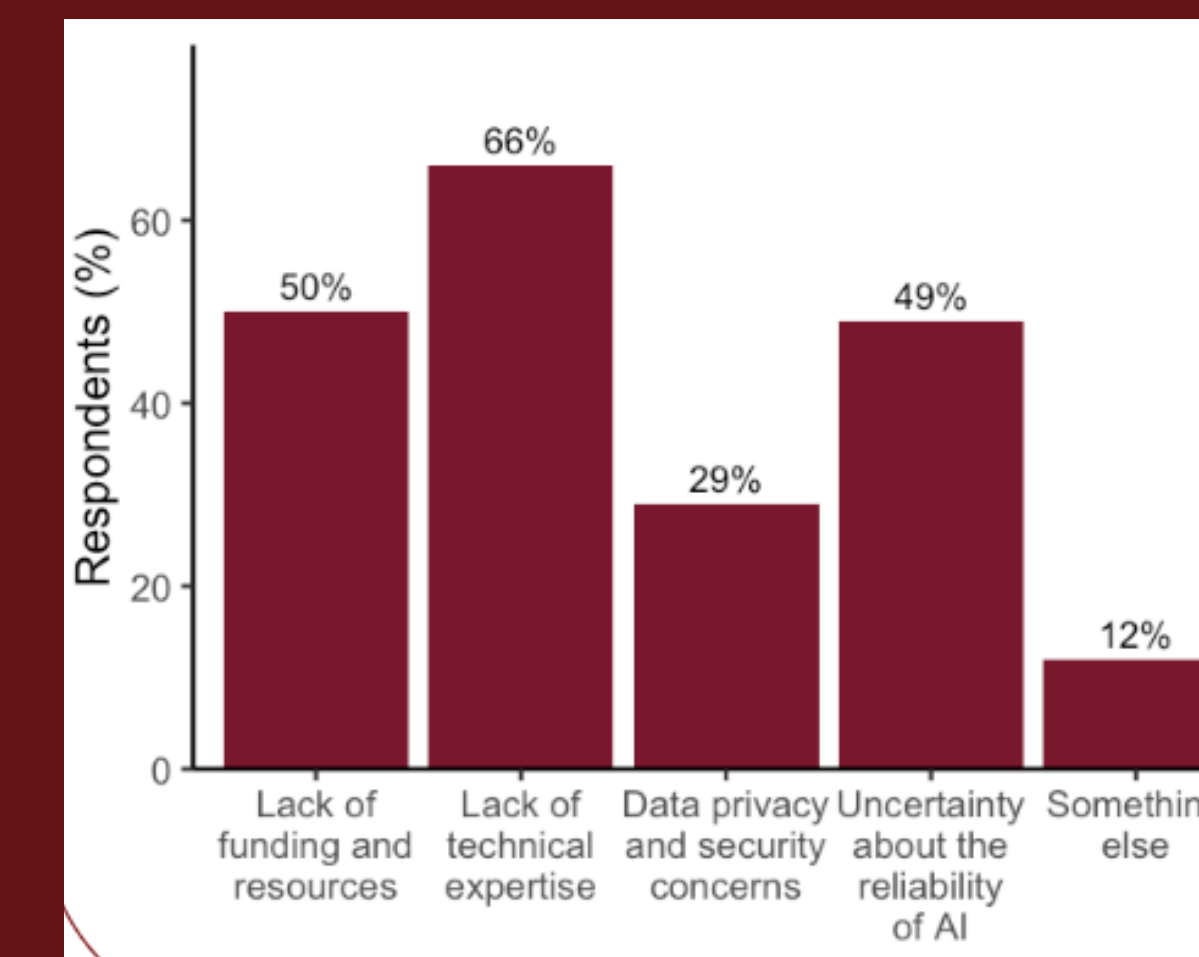
Wave Breakdown

- Wave 1 – Enrollment**
  - Participant demographics
- Wave 2 – Severe Weather**
  - Use of Convective Outlook & Information preferences
- Wave 3 – Compound Hazards**
  - Perceptions & experiences with compound hazards
- Wave 4- Communication & Collaboration**
  - Information sources and sharing
- Wave 5 – Equity**
  - Perceptions of equity and how that impacts operations
- Wave 6 – Probabilistic Forecast Communication**
  - Is probabilistic weather forecast information useful
- Wave 7 – Wildfire**
  - Reception, use, and sharing of fire weather forecast information
- Wave 8 – EM Workflows**
  - Variety of topics across hazards and how operations are shaped by NWS forecast information

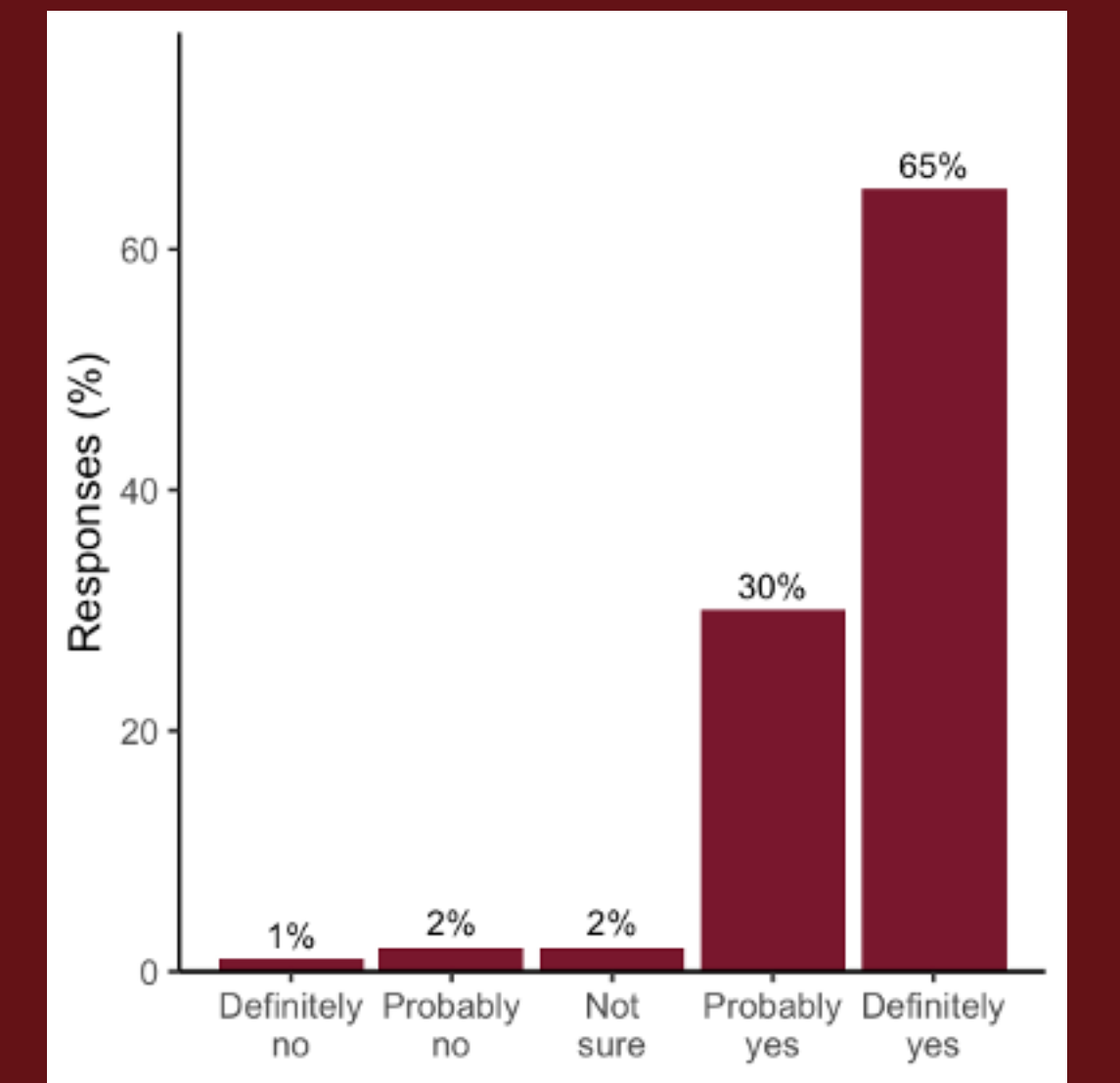
How do emergency managers use NOAA/NWS data, products, information, and decision support when addressing high impact weather events?

National Weather Service (NWS) forecasters communicate with core partners to guarantee the information they provide to the public and other emergency officials is accurate, easily accessible, and actionable. **Emergency managers (EMs) are important fixtures in the severe weather community. Around the country, severe weather events pose emergency managers with complex challenges that require them to make swift, critical decisions. They are a core link between NWS information and community actions that save lives and protect property.**

Can you tell us why you are not using AI in your role as an EM?

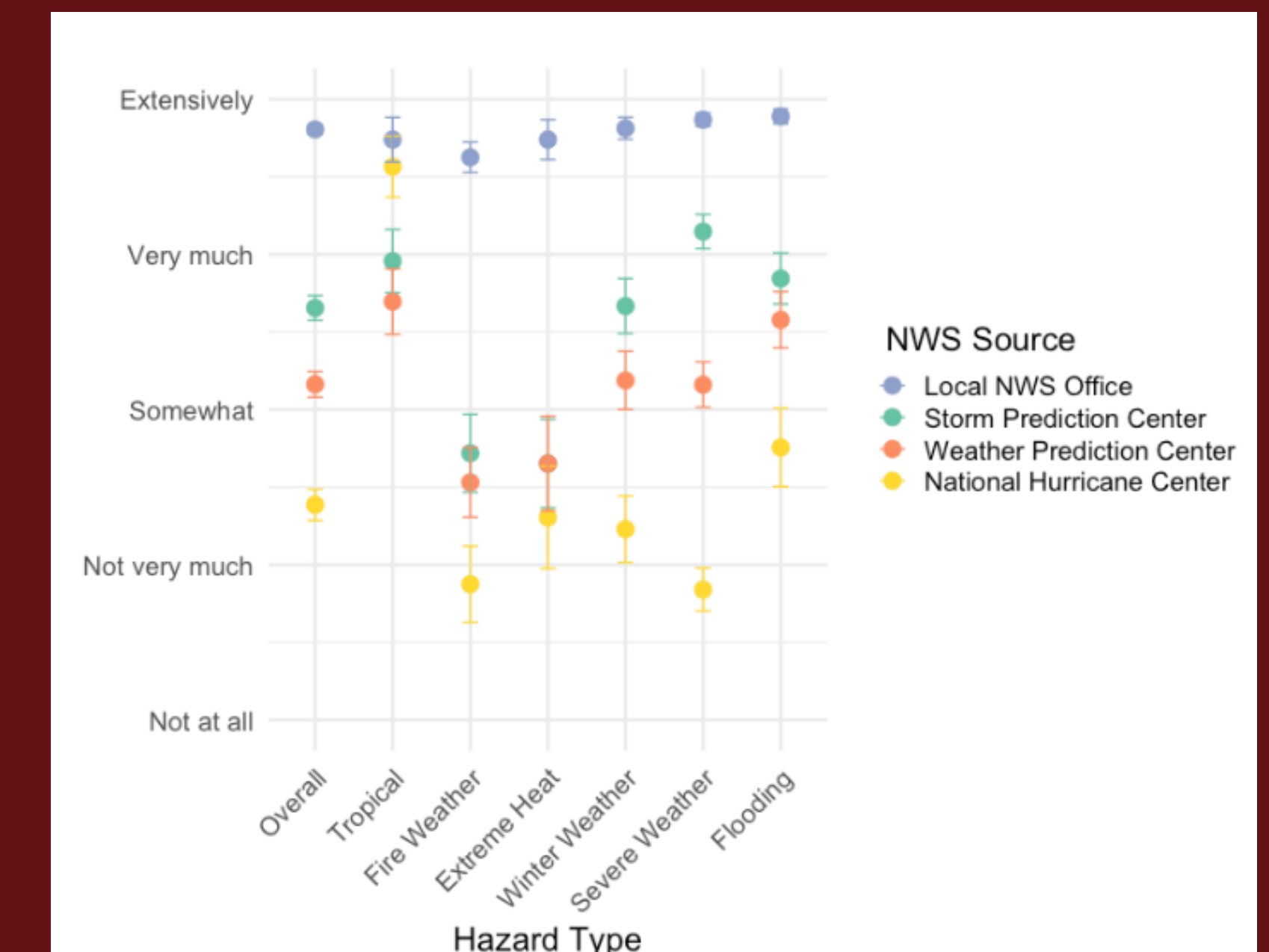


Do you use probabilistic information from the NWS?



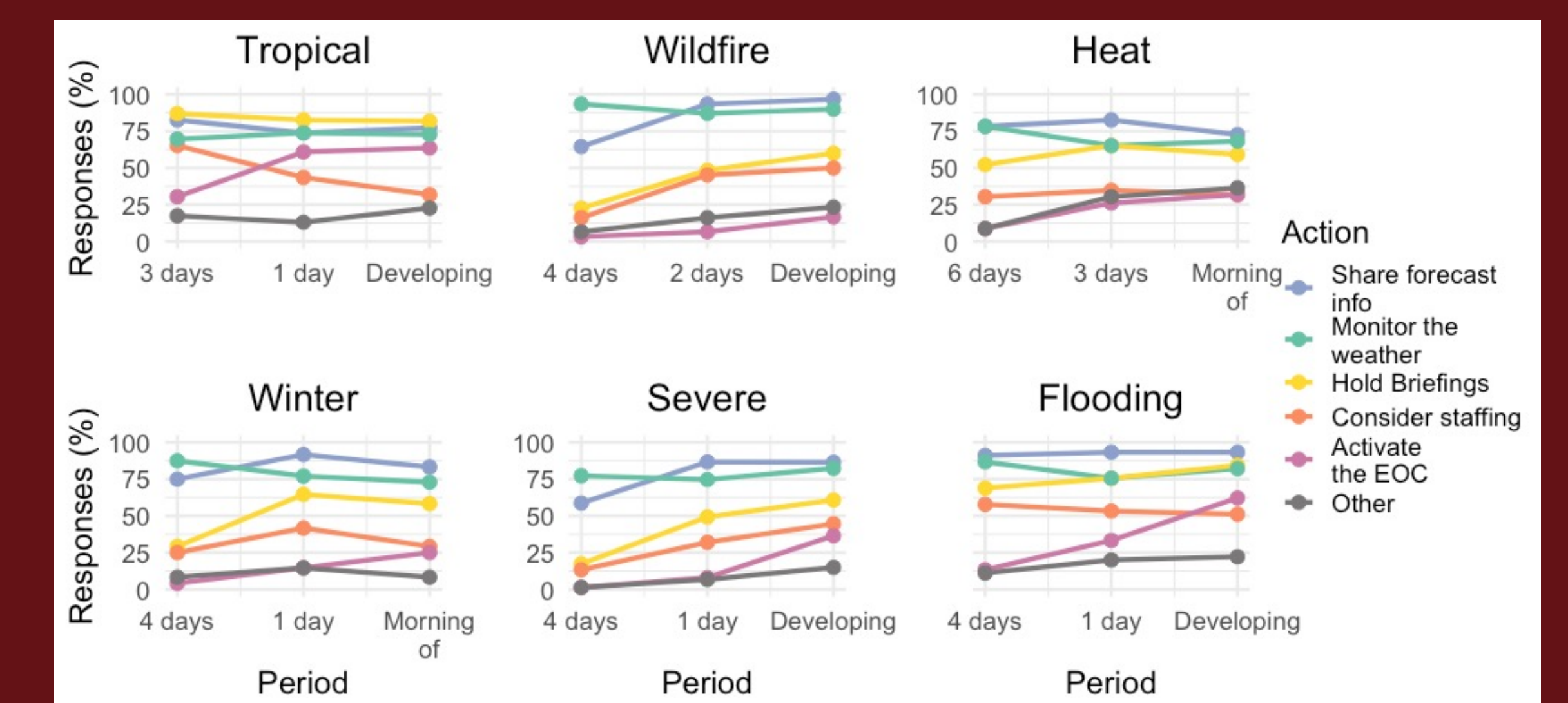
Wave 5 & Wave 6

When hazardous weather threatens your area, how much do you rely on the following sources of information?



Wave 8

What actions would this forecast information prompt for your office at this point? Please select all that apply.



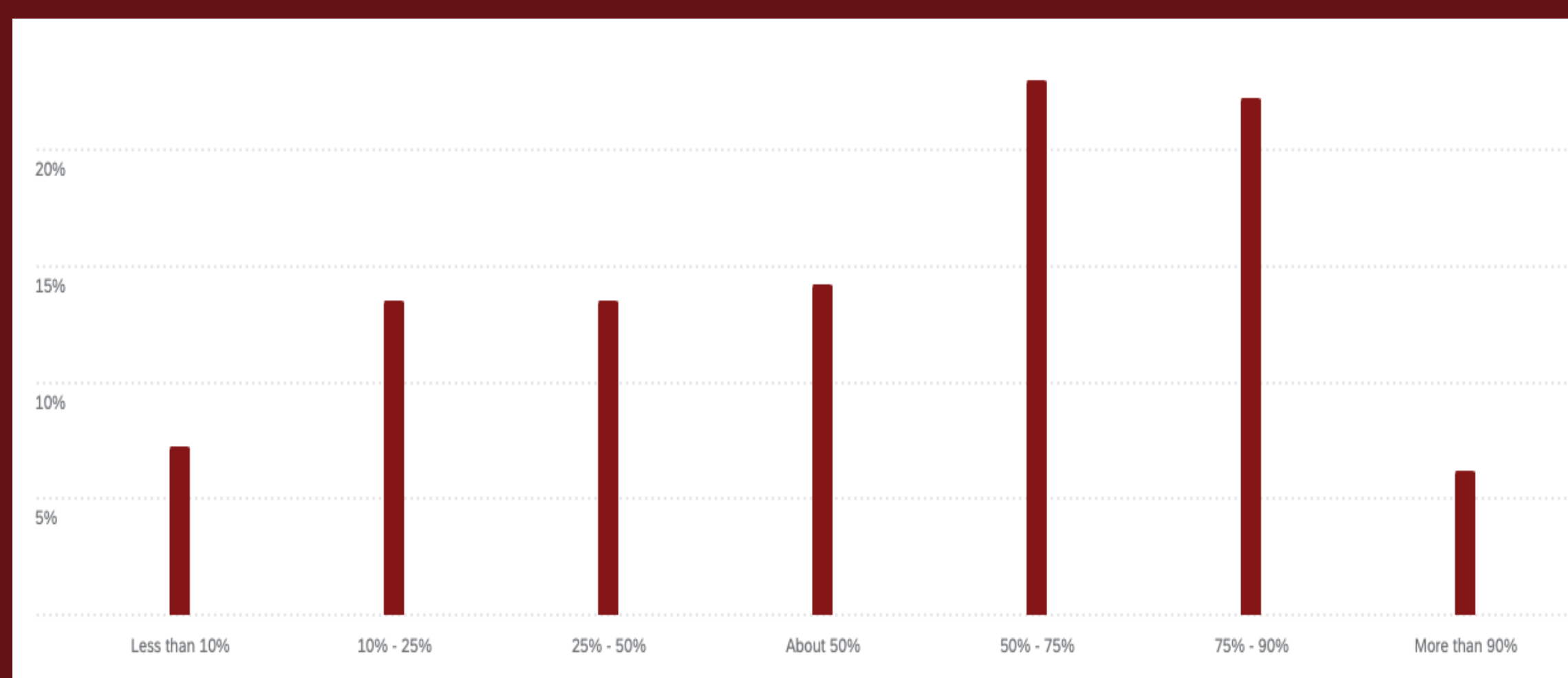
Wave 8

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Questions? Comments? Send an email to [Elizabeth.Meister@ou.edu](mailto:Elizabeth.Meister@ou.edu) or [samuel.a.stormer-1@ou.edu](mailto:samuel.a.stormer-1@ou.edu)

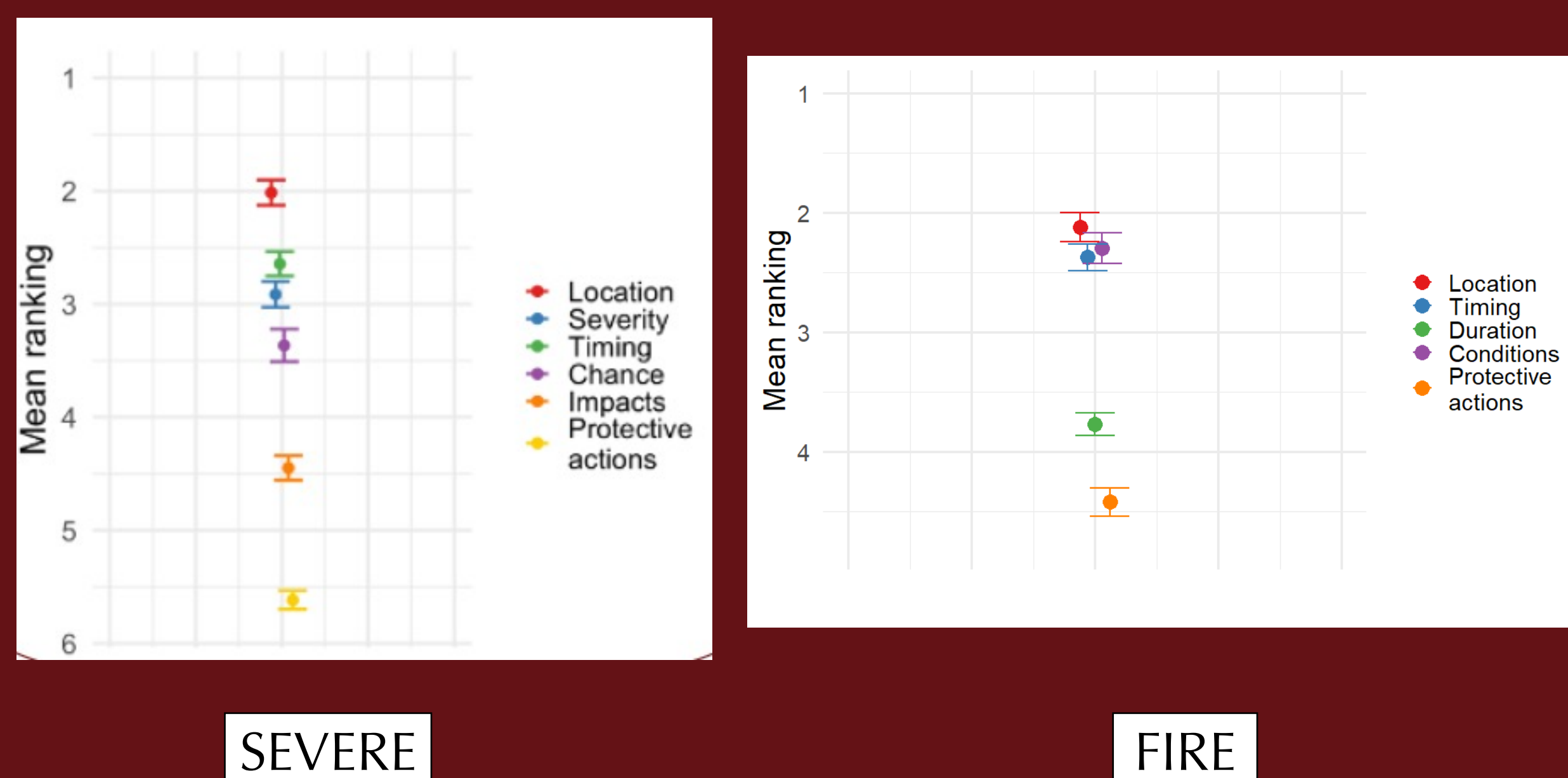
Wave 1

If you were to guess, about what percentage of the incidents that your office responds to relate to hazardous weather?



Wave 2 & Wave 7

Please rank each type of information from most important (top) to least important (bottom)



## IPPR's Ongoing EM Work

- The WxEM Survey
- NSF Fire
- EM Workflows Project
- Oklahoma Energy Security Planning

Hopefully this information has been helpful and interesting, and if you have more questions, feel free to read our paper through the QR code below to learn more, or ask us questions at IAEM.



Enroll in the EM survey!

Read the EM Dataset paper!

