Tornado Survey Instrument

zip: Please enter the 5-digit zip code where the tornado event occurred: [require 5-digit number]

storm_date: Please enter the date when the tornado event occurred: [calendar input]

storm_time: Please enter the time when the tornado event happened: (in the local timezone) [dropdown menu]

—--Page break—--

loc_event: Where were you when the tornado event occurred?
1. At home
2. At work
3. At school
4. At a business (such as a store or restaurant)
5. In a vehicle (such as a car, truck, bus)
6. Somewhere else (please specify)
7. I don't recall

—--Page break—--

[SHOW ONLY IF **loc_event** == 6]

loc_event_spec: Please describe where you were when the event occurred: [VERBATIM]

—--Page break—--

[SHOW ONLY IF **loc_event** == 1]

home: Which of the following categories best describes your current primary residence?
1. Stand-alone (detached) permanent structure such as a house
2. Condominium, town-house, or duplex that is attached to another structure
3. Apartment or dormitory room that is part of a larger residential complex
4. Mobile home (whether placed on a permanent foundation or not)
5. Boat, boathouse, ship, dock, or other floating structure
6. Other type

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[SHOW ONLY IF **loc_event** == 2]

work: Which of the following categories best describes your work setting?

1. Single-story Building
2. Multi-story Building
3. Big Box Store (e.g., Lowes, Home Depot, Walmart)
4. Shopping mall
5. Industrial or Construction setting
6. Outdoor setting (e.g., agricultural)
7. Other type

—---Page break—---

[SHOW ONLY IF **loc_event** == 3]

school: Which of the following categories best describes the school?
1. Single-story K-12 school building
2. Multi-story K-12 school building
3. Single-story college campus building
4. Multi-story college campus building
5. Other type of school setting

—---Page break—---

[SHOW ONLY IF **loc_event** == 4]

business: Which of the following categories best describes the business you were at when the tornado event occurred?
1. Single-story building
2. Multi-story building
3. Big Box Store (e.g., Lowes, Home Depot, Walmart)
4. Shopping mall
5. Industrial or construction setting
6. Other type

—---Page break—---

For the next few questions, we would like you to think about **right before** and **when** the tornado event occurred.

right_conc: How concerned were you about the weather right before the tornado event occurred?
1 - Not at all concerned
2 - Not very concerned
3 - Somewhat concerned
4 - Very concerned
5 - Extremely concerned

right_act: Did you take any action to protect yourself right before or when the tornado event occurred?
1 - Yes
0 - No

—---Page break—---

[SHOW ONLY IF **right_act** = 1]

right_act_desc: Can you briefly describe what you did to protect yourself right before or when the tornado event occurred? [VERBATIM]

—---Page break—---

Now, please think about the hours leading up to the tornado event.

hours_conc: How concerned were you about the weather in the hours leading up to the tornado event?
1 - Not at all concerned
2 - Not very concerned
3 - Somewhat concerned
4 - Very concerned
5 - Extremely concerned

—---Page break—---

[SHOW ONLY IF **hours_conc** > 2]

hours_conc_what: Please describe what made you concerned in the hours leading up to the tornado event: [VERBATIM]

—---Page break—---

hours_act: Did you take any action in the hours leading up to the tornado event?
1 - Yes
0 - No

—---Page break—---

[SHOW ONLY IF **hours_act** = 1]

hours_act_desc: Can you briefly describe what you did in the hours leading up to the tornado event? [VERBATIM]

hours_act_time: About what time did you take those actions? [DROP DOWN MENU]

—--Page break—--

Finally, please think about the day before the tornado event.

day_conc: How concerned were you about the weather the day before the tornado event?
1 - Not at all concerned
2 - Not very concerned
3 - Somewhat concerned
4 - Very concerned
5 - Extremely concerned

—--Page break—--

[SHOW ONLY IF **day_conc** > 2]

day_conc_what: Please describe what made you concerned the day before the tornado event:
[VERBATIM]

—--Page break—--

day_act: Did you take any action the day before the tornado event?
1 - Yes
0 - No

—--Page break—--

[SHOW ONLY IF **day_act** = 1]

day_act_desc: Can you briefly describe what you did the day before the tornado event?
[VERBATIM]

day_act_time: About what time did you take those actions the day before the tornado event?
[VERBATIM]

—--Page break—--

Now we have some questions about alerts from the National Weather Service that you may have received on the day of the tornado event.

A tornado watch is issued by the National Weather Service when tornadoes are possible in and near the watch area.

torn_watch: Did you receive a tornado watch for your area on the day of the event?
1 - Yes
0 - No
2 - I don't recall

—---Page break—---

[SHOW ONLY IF **torn_watch** == 1**]**

torn_watch_source: How did you learn about the tornado watch for your area? Please check all that apply. [CHECK ALL THAT APPLY]
1 - Broadcast radio
2 - Weather radio (National Weather Service radio)
3 - Television
4 - Internet web pages focused on weather forecasts (such as weather.gov)
5 - Social media (such as Facebook or Twitter)
6 - Emergency notifications on your phone
7 - Weather applications on your phone (such as The Weather Channel or a local news station app)
8 - Word-of-mouth (including telephone calls or texts) from family, friends, neighbors, employers, co-workers, etc.
       9 - Outdoor sirens
       10 - Environmental cues (like looking at the sky or hearing thunder)
       11 - Some other source
       12 - I don't recall

—---Page break—---

[SHOW ONLY IF **torn_watch_source** == 11]

torn_watch_source_spec: Where else did you learn about the tornado watch? [VERBATIM]

—---Page break—---

torn_watch_action: Did you do anything after learning about the tornado watch for your area?
0 - No, I continued on with my activities
1 - Yes
2 - I don't recall

—---Page break—---

[SHOW ONLY IF **torn_watch_action** == 0]

torn_watch_noaction: Can you tell us why you didn't do anything after you learned about the watch for your area? [VERBATIM]

—---Page break—---

torn_watch_action_type: Please briefly describe what you did after you learned about the tornado watch for your area: [VERBATIM]

—---Page break—---

torn_warn: A **tornado warning** is issued by the National Weather Service when a tornado is imminent. Did you receive a tornado warning for your area on the day of the tornado event?
1 - Yes
0 - No
2 - I don't recall

—---Page break—---

torn_warn_source: How did you learn about the tornado warning for your area? Please check all that apply. [CHECK ALL THAT APPLY]
1 - Broadcast radio
2 - Weather radio (National Weather Service radio)
3 - Television
4 - Internet web pages focused on weather forecasts (such as weather.gov)
5 - Social media (such as Facebook or Twitter)
6 - Emergency notifications on your phone
7 - Weather applications on your phone (such as The Weather Channel or a local news station app)
8 - Word-of-mouth (including telephone calls or texts) from family, friends, neighbors, employers, co-workers, etc.
    9 - Outdoor sirens
    10 - Environmental cues (like looking at the sky or hearing thunder)
    11 - Some other source
    12 - I don't recall

—---Page break—---

torn_warn_source_spec: Where did you first hear about the tornado warning? [VERBATIM]

—--Page break—---

torn_action: Did you do anything after learning about the tornado warning for your area?
0 - No, I continued on with my activities
1 - Yes
2 - I don't recall

—--Page break—---

[SHOW ONLY IF **torn_action** == 0]

torn_noaction: Can you tell us why you didn't do anything after you learned about the watch for your area? [VERBATIM]

—--Page break—---

[SHOW ONLY IF **torn_action** == 1]

torn_act_desc: Please briefly describe what you did after learning about the tornado warning for your area: [VERBATIM]

—--Page break—---

Now we have a few questions about the event overall.

tor_conf: Looking back, how confident were you that you could protect yourself from the tornado if you needed to?
1. Not at all confident
2. Not very confident
3. Somewhat confident
4. Very confident
5. Extremely confident

—--Page break—---

last_act_again: How likely is it that you would do the same things again if another tornado event were to happen?
1 - Very unlikely
2 - Somewhat unlikely
3 - Neither likely nor unlikely
4 - Somewhat likely
5 - Very likely

—--Page break—--

torn_info: How much do you agree or disagree with the following statement?

Looking back, I had enough information in advance of the tornado event to make a decision about protecting myself and those around me.
1 - Strongly disagree
2 - Disagree
3 - Neither disagree nor agree
4 - Agree
5 - Strongly agree

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The next few questions are about weather in general. How much do you agree or disagree with the following statements? [RANDOM ORDER]

follow: I follow the weather very closely.
1 - Strongly disagree
2 - Disagree
3 - Neither disagree nor agree
4 - Agree
5 - Strongly agree

plan_around: I plan my daily routine around the weather.
1 - Strongly disagree
2 - Disagree
3 - Neither disagree nor agree
4 - Agree
5 - Strongly agree

und_weather: I don't understand what causes extreme weather events like thunderstorms, tornadoes, and hurricanes.
1 - Strongly disagree
2 - Disagree
3 - Neither disagree nor agree
4 - Agree
5 - Strongly agree

—--Page break—--

The survey is almost complete, we just have a few more questions. Thank you for your responses thus far.

age: What is your age? [VERBATIM; require numeric]

sex: What is your sex?
   0. Male
   1. Female

race: **What is your race and/or ethnicity?**
Select all that apply and enter additional details in the spaces below.

☐ **American Indian or Alaska Native –** *Enter, for example, Navajo Nation, Blackfeet Tribe of the Blackfeet Indian Reservation of Montana, Native Village of Barrow Inupiat Traditional Government, Nome Eskimo Community, Aztec, Maya, etc.*

☐ **Asian –** *Provide details below.*
   ☐ Chinese ☐ Asian Indian ☐ Filipino
   ☐ Vietnamese ☐ Korean ☐ Japanese
   Enter, for example, Pakistani, Hmong, Afghan, etc.

☐ **Black or African American –** *Provide details below.*
   ☐ African American ☐ Jamaican ☐ Haitian
   ☐ Nigerian ☐ Ethiopian ☐ Somali
   Enter, for example, Trinidadian and Tobagonian, Ghanaian, Congolese, etc.

☐ **Hispanic or Latino –** *Provide details below.*
   ☐ Mexican ☐ Puerto Rican ☐ Salvadoran
   ☐ Cuban ☐ Dominican ☐ Guatemalan
   Enter, for example, Colombian, Honduran, Spaniard, etc.

☐ **Middle Eastern or North African –** *Provide details below.*
   ☐ Lebanese ☐ Iranian ☐ Egyptian
   ☐ Syrian ☐ Iraqi ☐ Israeli
   Enter, for example, Moroccan, Yemeni, Kurdish, etc.

☐ **Native Hawaiian or Pacific Islander –** *Provide details below.*
   ☐ Native Hawaiian ☐ Samoan ☐ Chamorro
   ☐ Tongan ☐ Fijian ☐ Marshallese
   Enter, for example, Chuukese, Palauan, Tahitian, etc.

☐ **White –** *Provide details below.*
   ☐ English ☐ German ☐ Irish
   ☐ Italian ☐ Polish ☐ Scottish
   Enter, for example, French, Swedish, Norwegian, etc.

income: What was the estimated annual income for your household last year?
   1. Less than $30,000
   2. At least $30,000 but less than $60,000

3. At least $60,000 but less than $90,000
   4. At least $90,000 but less than $120,000
   5. At least $120,000 but less than $150,000
   6. $150,000 or more

edu: What is the highest degree or level of school you have completed?
   1. Less than high school
   2. High school / GED
   3. Vocational or Technical Training
   4. Some College; NO degree
   5. 2-year College / Associate's degree
   6. Bachelor's Degree
   7. Master's Degree
   8. PhD / JD (Law) / MD

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torn_cmmt: Is there any other information you would like us to know about this tornado event?
[VERBATIM]

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Thank you for completing the Tornado Tales survey, your response has been recorded.