NWS Winter Weather Survey

Start of Block: CONSENT

Q1.1 **Winter Weather Response Survey**   Please complete the following survey regarding winter weather events that occurred in your area**.** Your participation in this study is voluntary and your identity will remain anonymous.You may skip any question you don’t feel comfortable answering. You may withdraw from the study at any time without penalty. No personally identifiable information in connection with this survey will be made public. Your decision to participate will have no bearing on your relationship with any of the organizations that are mentioned here. There are no risks associated with participating in this study. There are no penalties if you choose not to participate. No monetary or other such form of financial compensation will be offered to participants of this study. Results from this study may be shared with local jurisdictions, and results will be made available to the public upon request.

This survey is funded by the National Oceanic and Atmospheric Administration. We are working to understand public response to hazardous weather events in order to improve how weather information is delivered to you. This survey should take about 5-10 minutes to complete.

If you have any questions about this survey, please contact Brenda Philips at bphilips@ecs.umass.edu, or Cedar League at cedarleague@gmail.com. Alternatively, if you have any questions about your rights as a participant in this study, you can also contact the University of Massachusetts Institutional Review Board at (413) 545-3428. OMB Approval Date and Statement here...   **BEGIN THE SURVEY BY PRESSING >> BELOW**

End of Block: CONSENT

Start of Block: PANEL

Start of Block: INTRO

Q3.1 **What is your 5-digit zip code?**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q3.2 **How did you get the link to this survey?**

* National Weather Service website/social media
* Local news website/social media
* Public safety email list, website, or social media
* A friend forwarded it to me
* Community group email list, website or social media
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q3.3
**Severe Weather event(s) occurred in your area on:**
**{Date 1}**
**{Date 2}**
**{Date 3}**
**{Date 4}**

Which event(s) do you recall the most?

* {Date 1}
* {Date2}
* {Date 3}
* {Date 4}
* I don't remember any of these event(s)

Skip To: End of Survey If A hazardous winter weather event occurred during {DATES}.  Did you experience this event?   = No

Skip To: End of Survey If A hazardous winter weather event occurred during {DATES}.  Did you experience this event?   = I don't know

Skip To: End of Survey If A hazardous winter weather event occurred during {DATES}.  Did you experience this event?   = I was out of town

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End of Block: INTRO

Start of Block: PRE-EVENT PHASE

Q4.1
**Please answer the rest of the survey based on what you experienced on the event date you selected. BEFORE the event began, did you know about the POTENTIAL for a winter weather event?**

* Yes
* No
* I don't know

Skip To: End of Block If BEFORE the event began, did you know about the POTENTIAL for a winter weather event to occur? = No

Skip To: End of Block If BEFORE the event began, did you know about the POTENTIAL for a winter weather event to occur? = I don't know

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Q4.2

* Less than an hour before
* Between 1 hour and 6 hours before
* Between 7 hours and 24 hours before
* Between 1 and 2 days before
* Between 3 and 4 days before
* 5 or more days before
* I don't know

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Q4.3 **What information source(s) did you use to become aware of this winter weather event BEFORE it occurred? Select UP TO 3 information sources that were the most useful for you.**

* National News/Weather Company (Weather.com, Google, Good Morning America, etc.)
* Local News Media or Weather Person
* National Weather Service (Federal Government)
* Department of Transportation
* Friends/Family
* Community Leader(s) (ex. Clergy, Mayor, Governor)
* Public Safety Official(s) (Emergency Manager, Police, Fire)
* Observing/experiencing weather conditions near me
* None of the above
* Other (Please state) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event BEFORE... = Local News Media or Weather Person

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Q4.4 **You selected your local news or weather person as a source of information.  BEFORE the event happened, how did you access information from your local news or weather person? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event BEFORE... = National Weather Service (Government)

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Q4.5 **You selected the National Weather Service as an information source. BEFORE the event happened, how did you access information from the National Weather Service? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* NOAA weather radio
* Radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event event BEFORE... = Community Leader(s) (ex. Clergy, Mayor, Governor)

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Q4.6 You selected your community leaders as an **information** source. BEFORE the event happened, how did you get information from community leaders (clergy, mayor, governor, school officials)? (Select all that apply.)

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event event BEFORE... = Friends/Family

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Q4.7 **You selected family or friends as an information source. BEFORE the event happened, how did you get information from family or friends? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* E-mail
* Website
* Smart phone app
* Text
* Phone call
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event BEFORE... = Public Safety Official(s) (Emergency Manager, Police, Fire)

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Q4.8 **You selected public safety officials as an information source. BEFORE the event happened, how did you get information from public safety officials? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event BEFORE... = Other (Please state)

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Q4.9 **You selected other information sources. BEFORE the event happened, how did you access information from ${Q4.3/ChoiceTextEntryValue/11}?**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event event BEFORE... = Observing/experiencing weather conditions near me

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Q4.10 **BEFORE the event happened, how did you observe or experience weather conditions near you?**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Smart Phone
* Going or being outdoors
* Looking out my window
* Being in a vehicle

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Display This Question:

If What information source(s) did you use to become aware of this winter weather event event BEFORE... = National News/Weather Company (Weather.com, Google, Good Morning America, etc.)

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Q4.11 **You selected the national news or a weather company as a source of information. BEFORE the event happened, how did you access information from the national news or the weather company?**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q4.12 12 **Based on the information you had BEFORE the event began, what was your level of concern about how the winter weather might impact you or your family** No concern

* Slightly concerned
* Moderately concerned
* Very Concerned
* Extremely concerned

Q4.13 **Based on the information you were given BEFORE the event, what did you think the possible WEATHER THREAT(S) from this event might be?  (Please select all that apply.)**

* Blowing and/or drifting snow
* Dangerous wind chills
* Extreme cold
* Freezing rain / ice storm
* Sleet
* Snow
* High winds
* White-out conditions
* Lake-effect snow
* No weather threats
* Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q4.14 Based on the information you were given BEFORE the event, did you think any of the below personal impacts might affect you or your family? (Select all that apply.)

* Disruption to daily activities (work/school/life)
* Closure of roads
* Power outages
* Frozen pipes
* Food/water shortages
* Personal economic impacts (loss of wages)
* Personal injury
* Property loss/damage (home, car, business)
* No personal impacts
* Other (please state) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q4.15 **What, if any, special preparations did you take in the days and hours BEFORE the winter weather event occurred?  (Please select all that apply.)**

* Looked for additional weather information
* Shared information with somebody
* Cancelled or rescheduled planned activities and/or appointments
* Purchased emergency supplies (survival kit, salt/shovel, generator, prescriptions, extra food/water, and gas)
* Allowed more time for travel
* Planned to use mass transit
* Protected my belongings (ex. move car, secure property)
* Made a sheltering/evacuation plan
* I did not take any special preparations
* Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: PRE-EVENT PHASE

Start of Block: LOCATION/EXPERIENCE

Q5.1 **Where were you when you experienced the most impactful part of the event? We are interested in learning more about your experience at this location.**

* I was a passenger or driver in a vehicle
* I was at home or in a building
* I did not experience the intense part of this storm

End of Block: LOCATION/EXPERIENCE

Start of Block: EVENT PHASE - INFO & ACTIONS

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Q6.1 **Now, think about the time period DURING the event. What information source(s) did you use to become aware of the winter weather event underway? Select UP TO 3 information sources that were the most useful for you.**

* National News/Weather Company (Weather.com, Google, Good Morning America, etc.)
* Local TV News Channel or Weather Person
* National Weather Service (Federal Government)
* Department of Transportation
* Friends/Family
* Community Leader(s) (ex. Clergy, Mayor, Governor)
* Public Safety Official(s) (Emergency Manager, Police, Fire)
* Observing/experiencing weather conditions near me
* None of the above
* Other (Please state) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If Sources DURING winter = Local TV News Channel or Weather Person

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Q6.2 **You selected your local news or weather person as a source of information.  DURING the event, how did you access information from your local news or weather person? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If Sources DURING winter = National Weather Service (Government)

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Q6.3 **You selected the National Weather Service as an information source. DURING the event, how did you access information from the National Weather Service? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* NOAA weather radio
* Radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If Sources DURING winter = Community Leader(s) (ex. Clergy, Mayor, Governor)

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Q6.4 **You selected your community leaders as an informaiton source. DURING the event, how did you get information from community leaders (clergy, mayor, governor, school officials)? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If Sources DURING winter = Friends/Family

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Q6.5 **You selected family or friends as an information source. DURING the event, how did you get information from family or friends? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* E-mail
* Website
* Smart phone app
* Text
* Phone call
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If Sources DURING winter = Public Safety Official(s) (Emergency Manager, Police, Fire)

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Q6.6 **You selected public safety officials as an information source. DURING the event, how did you get information from public safety officials? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If Sources DURING winter = Department of Transportation (Government)

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Q6.7 **You selected Department of Transportation as an information source. DURING the event, how did you get information from the Department of Transportation? (Select all that apply.)**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If Sources DURING winter = Other (Please state)

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Q6.8 **You selected other information sources. DURING the event, how did you access information from ${Q67/ChoiceTextEntryValue/11}?**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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If Sources DURING winter = Observing/experiencing weather conditions near me

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Q6.9 **BEFORE the heavy rain/ flash flooding happened, how did you observe or experience weather conditions near you?**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Smart Phone
* Going or being outdoors
* Looking out my window
* Being in a vehicle

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Display This Question:

If Sources DURING winter = National News/Weather Company (Weather.com, Google, Good Morning America, etc.)

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Q6.10 **You selected the national news or a weather company as a sources of information. BEFORE the heavy rain/ flash flooding happened, how did you access information from the national news or the weather company?**

* Social media (ex. Facebook, Twitter)
* TV/Cable
* Website
* Wireless Emergency Alert (WEA cell phone alert)
* City notification system (ex. Reverse 911, Code Red, Everbridge)
* E-mail
* Smart phone app
* Text
* Phone call
* Radio
* NOAA weather radio
* Siren
* Newspaper
* Talking in-person with someone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q6.12 **DURING the event, what was your level of concern based on the information you were given?**

* Not concerned
* Slightly concerned
* Moderately concerned
* Very Concerned
* Extremely concerned

Display This Question:

If Where were you when you experienced the most impactful part of the event? We are interested in le... = I was a passenger or driver in a vehicle

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Q6.13 **While in a vehicle, which of the following actions did you take once the winter weather event BEGAN? (Select all that apply.)**

* Looked for additional weather information
* Shared information with somebody
* Used emergency supplies (emergency kit, blanket, shovel/salt, extra gas)
* Cancelled or rescheduled my trip
* Allowed more time for travel or rerouted my trip
* Assisted others during event
* Sought shelter
* No action taken/continued trip
* Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Display This Question:

If Where were you when you experienced the most impactful part of the event? We are interested in le... = I was at home or in a building

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Q6.14 **While at home or inside a building, which of the following actions did you take once the winter weather event BEGAN? (Select all that apply.)**

* Looked for additional weather information
* Shared information with somebody
* Used emergency supplies (emergency kit, generator, extra food/water)
* Shoveled/Salted driveway/sidewalks
* Cancelled or rescheduled plans
* Protected my belongings
* Protected my family/pets
* Assisted others during event
* Evacuated from my location
* No action taken
* Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Display This Question:

If Where were you when you experienced the most impactful part of the event? We are interested in le... =

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End of Block: EVENT PHASE - INFO & ACTIONS

Start of Block: EVENT PHASE/VEHICLE

Q7.1
**Were you the driver or the passenger in the vehicle?**

* I was the driver
* I was the passenger
* I don't know

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Q7.2 **Was anyone in the vehicle with you? (Select all that apply.)**

* Kid(s)
* Adult(s)
* Senior citizen(s)
* Person(s) with a disability
* Pet(s)
* I was alone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q7.3 **What type of vehicle you were in?**

* Vehicle with 4-Wheel Drive
* Vehicle without 4-Wheel Drive
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q7.4 **What was the primary purpose of your trip?**

* Commute to work or school
* Commute from work or school
* Picking up/dropping off kids and/or family
* Appointment
* Errands / leisure (shopping, dining, recreation)
* Worship
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q7.5 **Did you experience snow and/or ice conditions while driving?**

* Yes
* No
* I don't know

Skip To: End of Block If Did you experience snow and/or ice conditions while driving? = No

Skip To: End of Block If Did you experience snow and/or ice conditions while driving? = I don't know

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Q7.6 **What did you see when you encountered the winter weather conditions? (Select all that apply.)**

* Traffic congestion
* Traffic accident(s)
* Public safety officials
* Road closures
* Messaging signs warning of hazardous road conditions
* Flashing lights
* Cautious drivers
* Reckless drivers
* I did not see anything
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q7.7 **Please describe the winter weather conditions you experienced while driving?**

* No snow or ice
* Icy roads
* Less than 3 inches of snow
* Between 3 to 6 inches of snow
* Between 6 to 12 inches of snow
* Between 12 to 24 inches of snow
* 24+ inches of snow
* I don't know \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q7.8 **What did you do when you were driving in the winter weather conditions? (Select one answer.)**

* I stopped driving and pulled my car over
* I turned around and/or rerouted my trip
* I continued driving and made it to my destination
* I continued driving and got stuck
* I continued driving and got into an accident
* Other, describe \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Q7.8b Did you call anyone for help?

* Yes
* No
* If yes, please explain\_\_\_\_\_\_\_\_\_

Q7.9 **This next set of questions asks about different factors that may have influenced your decision(s) during this event.**

**How much did the following warning and environmental factors influence the decision(s) you took DURING this event? Select "Not a Factor" if the factor was not relevant to your decision.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. Not influential at all | 2. Slightly influential | 3. Somewhat influential | 4. Very influential | 5. Extremely influential | Not a factor |
| Poor road conditions |  |  |  |  |  |  |
| NWS warning  |  |  |  |  |  |  |
| Intense snowfall/ice |  |  |  |  |  |  |
| Minor snowfall/ice |  |  |  |  |  |  |
| Presence of messaging signs  |  |  |  |  |  |  |

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Q7.10 **How much did the following social factors influence the decision(s) you took DURING this event? Select "Not a Factor" if the factor was not relevant to your decision.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. Not influential at all | 2. Slightly influential | 3. Somewhat influential | 4. Very influential | 5. Extremely influential | Not a factor |
| Seeing other vehicle(s) drive safely |  |  |  |  |  |  |
| Seeing other vehicles stranded  |  |  |  |  |  |  |
| Previous negative experience with winter weather driving |  |  |  |  |  |  |
| Confidence in my vehicle/ winter weather driving ability  |  |  |  |  |  |  |
| Friends/family urged me to take action  |  |  |  |  |  |  |
| Concern/fear for self, family, friends |  |  |  |  |  |  |

Q7.12 **How much did the following situational factors influence the decision(s) you took DURING this event? Select "Not a Factor" if the factor was not relevant to your decision.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. Not influential at all | 2. Slightly influential | 3. Somewhat influential | 4. Very influential | 5. Extremely influential | Not a factor |
| Needing to get to work/family/kids/pets  |  |  |  |  |  |  |
| Inconvenience of taking a detour |  |  |  |  |  |  |
| Event timing (hour/day of week)  |  |  |  |  |  |  |
| This event caught me by surprise  |  |  |  |  |  |  |
| Traffic congestion  |  |  |  |  |  |  |

End of Block: EVENT PHASE/VEHICLE

Start of Block: EVENT PHASE HOME/BUILDING

Q8.1
**What type of building were you in during the winter weather event?**

* Free standing home/residence
* Multi-residential unit (Apartment/townhouse/condo)
* Mobile home
* Work place building
* Retail building
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q8.2 **Was anyone in the home/building with you? (Select all that apply.)**

* Kid(s)
* Adult(s)
* Senior Citizen(s)
* Person(s) with a disability
* Pet(s)
* I was alone
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q8.3 **Did you experience winter weather conditions outdoors at your home/building location?**

* Yes
* No
* I don't know

Skip To: End of Block If Did you experience winter weather conditions outdoors at your home/building location? = No

Skip To: End of Block If Did you experience winter weather conditions outdoors at your home/building location? = I don't know

|  |  |
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| Page Break |  |

Q8.4 **Please describe the winter weather conditions you experienced at your location?**

* No snow/ice
* Icy conditions
* Less than 3 inches of snow
* Between 3 to 6 inches of snow
* Between 6 to 12 inches of snow
* Between 12 to 24 inches of snow
* 24+ inches of snow
* I don't know \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q8.5 **While at home or inside a building, which of the following actions did you take once the winter weather event BEGAN? (Select one.)**

* I stayed where I was and waited out the storm
* I evacuated the building
* I lost power and had to evacuate
* Property damage forced me to evacuate
* No action taken
* Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
|  |  |

Q8.6 **Did you call or contact anyone for help?**

* 911
* Neighbor or friend
* Stormwater/city utility
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q8.7
**This next set of questions asks about different factors that may have influenced your decision(s) to stay or leave?**

**How much did the following warning and environmental factors influence the action(s) you took DURING this event? Select "Not a Factor" if the factor was not relevant to your decision.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. Not influential at all | 2. Slightly influential | 3. Somewhat influential | 4. Very influential | 5. Extremely influential | Not a factor |
| Poor road and weather conditions |  |  |  |  |  |  |
| NWS warning  |  |  |  |  |  |  |
| Intense snowfall/ice  |  |  |  |  |  |  |
| Minor snowfall/ice |  |  |  |  |  |  |
| Other (Please state)  |  |  |  |  |  |  |

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Q8.8 **How much did the following social factors influence the action(s) you took DURING this event? Select "Not a Factor" if the factor was not relevant to your decision.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. Not influential at all | 2. Slightly influential | 3. Somewhat influential | 4. Very influential | 5. Extremely influential | Not a factor |
| Friends / family urged me to take action  |  |  |  |  |  |  |
| Previous negative experience with winter weather  |  |  |  |  |  |  |
| Concern/fear for self, family, friends  |  |  |  |  |  |  |

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Q8.10 **How much did the following situational factors influence the action(s) you took DURING this event? Select "Not a Factor" if the factor was not relevant to your decision.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. Not influential at all | 2. Slightly influential | 3. Somewhat influential | 4. Very influential | 5. Extremely influential | Not a factor |
| Event timing (rush hour, evening, weekend)  |  |  |  |  |  |  |
| Needing to take care of family/friends/pets  |  |  |  |  |  |  |
| I was trapped in the building  |  |  |  |  |  |  |
| School/business closures  |  |  |  |  |  |  |
| Having a car to use for evacuation  |  |  |  |  |  |  |
| This event caught me by surprise  |  |  |  |  |  |  |

End of Block: EVENT PHASE HOME/BUILDING

Start of Block: IMPACTS

Q9.1 **Which, if any, of the weather impacts below occurred in your area? (Select all that apply.)**

* Blowing and/or drifting snow
* Dangerous wind chills
* Extreme cold
* Freezing rain / ice storm
* Sleet
* Snow
* High winds
* White-out conditions
* Lake-effect snow
* Other (please specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No weather impacts

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Q9.2 **Which of the following impacts did you personally experience from this hazardous winter weather event? (Select all that apply.)**

* Disruption to work/school/life
* Disruption related to transportation
* Became stranded
* Power outage
* Frozen pipes
* Food/water shortages
* Boil water order
* Personal economic impacts (loss of wages)
* Injury (myself/friend/family)
* Property loss/damage (home/car/business)
* Death of a friend/relative
* No impacts
* Other (please state) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Q9.3

Q6.11 **DURING the event, do you recall receiving any of the following? (Select all that apply.)**

* Winter Weather Advisory
* Wind Chill Advisory
* Winter Storm Watch
* Winter Storm Warning
* Ice Storm Warning
* Blizzard Warning
* Wind Chill Warning
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* I did not receive any of these
* I don't know

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Display This Question:

If Sources DURING winter = National Weather Service (Government)

Q9.4 **Now consider the information you received from the National Weather Service DURING this hazardous flooding event. Using a scale from 1 to 10 where 1 is “Poor,” and 10 is “Excellent,” please rate the NWS on the following:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 (poor) | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 (excellent) | Don't know/ NA |
| Ease of finding hazardous winter weather forecast information specific to your geographic area  |  |  |  |  |  |  |  |  |  |  |  |
| Accuracy of information for this hazardous winter weather event  |  |  |  |  |  |  |  |  |  |  |  |
| Explaining the threat and expected impacts of this hazardous winter weather event  |  |  |  |  |  |  |  |  |  |  |  |
| Providing information to help you make decisions relative to this hazardous winter weather event  |  |  |  |  |  |  |  |  |  |  |  |
| Overall satisfaction with information or services received by the NWS  |  |  |  |  |  |  |  |  |  |  |  |

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Q9.5 **Is there anything else you would like to share about your experience this day?**

* Yes (please describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* No

End of Block: IMPACTS

Start of Block: DEMOGRAPHICS

Q10.1 **We are interested in learning about your previous experience with winter weather. Please answer the following statements with a Yes or No.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Yes | No | I don't know |
| I have previously experienced a severe winter storm event  |  |  |  |
| I have experienced a personal loss due to winter weather (ex. financial, belongings)  |  |  |  |
| My home has previously been damaged due to winter weather  |  |  |  |
| I have previously driven through severe winter weather conditions  |  |  |  |

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| --- | --- | --- | --- |
| Q10.1b I have an emergency survival kit at home  | * Yes
 | * No
 | * I don't know
 |

Q10.2 **Please select how much you agree or disagree with the following statements. Select N/A if the statement does not apply to you.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1. Strongly disagree | 2. Disagree | 3. Neutral | 4. Agree | 5. Strongly agree | N/A |
| I am fearful of winter weather  |  |  |  |  |  |  |
| I follow the weather very closely  |  |  |  |  |  |  |
| I take winter weather warnings seriously  |  |  |  |  |  |  |
| I feel that I am completely capable to keep myself safe during winter weather  |  |  |  |  |  |  |

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Q10.3 **In what year were you born?**

|  |  |
| --- | --- |
|  |  |
| Year  | ▼ 1900 ... 2005 |

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Q10.4 **What is your gender?**

* Male
* Female
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* I prefer not to answer

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**Q.10.X Are you of Hispanic, Latino or Spanish origin?**

* No
* Yes
* I prefer not to answer

Q10.5 **Select the category that best describes you.**

* White
* Black or African American
* American Indian or Alaska Native
* Asian
* Native Hawaiian or Pacific Islander
* Multi-racial \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* I prefer not to answer

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Q10.6 **Please tell us who lives in your household. (Select all that apply.)**

* Adult(s) 18-64 years old
* Adult(s) 65+ years old
* Child(ren) 17 years old or younger
* Pets
* Person(s) with disabilities
* I prefer not to answer

|  |  |
| --- | --- |
| Page Break |  |

Q10.7 **Please select the range that best describes your annual household income from all sources before taxes and other deductions.**

* $0-$14,999
* $15,000 - $34,999
* $35,000 - $49,999
* $50,000 - $74,999
* $75,000 - $99,999
* $100,000 - $149,999
* $150,000 - $250,000
* $250,000 +
* I prefer not to answer

|  |  |
| --- | --- |
| Page Break |  |

Q10.8 **At your primary job, do you generally have flexibility in your work schedule and/or location?**

* Yes, I can work from home on short notice
* Yes, I can reschedule/delay my arrival at work on short notice
* Yes, I can leave early on short notice
* No, I do not have flexibility in my work hours
* Not applicable

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Q10.10 **What is the highest level of school you have completed or the highest degree you have received?**

* Less than high school degree
* High school graduate (high school diploma or equivalent including GED)
* Some college but no degree
* Associate degree in college (2-year)
* Bachelor's degree in college (4-year)
* Master's degree
* Doctoral degree
* Professional degree (JD, MD)
* I prefer not to answer

|  |  |
| --- | --- |
| Page Break |  |

Q10.11 **In which type of housing do you currently live?**

* Apartment
* Townhouse
* Duplex
* House
* Manufactured/mobile home
* Condominium
* Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End of Block: DEMOGRAPHICS