

[If respondent chooses "0 - I don't swim" in Q3., then skip to Q6.]

5. When you go swimming, where do you usually swim? (Please check all that apply)

- Private pool
- Gym pool
- Public pool
- Stream or river
- Beach (pond or lake)
- Beach (Great Lake)
- Beach (ocean)

6. When you visit a Great Lakes beach, how often do you go into the water?

- Never
- Rarely
- Sometimes
- Often
- Always
- I have not visited the Great Lakes yet

7. When you visit Great Lakes beaches, how often do you visit the beach with your children?

I don't have children	Not sure	Never	Rarely	Sometimes	Often	Always
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[If "Sometimes," "Often," or "Always" for children in Q7., then ask Q8..]

8. Under which of the following conditions do you allow your children to go into the water at the beach (choose all that apply):

- A lifeguard is present.
- The waves appear small.
- Flags on the beach indicate conditions are safe.
- An adult accompanies them into the water.
- They wear a life jacket or other type of personal flotation device (PFD)
- A beach safety station with life ring or flotation device is nearby
- Other (please describe):
- I do not allow my children in the water under any circumstances.

[If "Sometimes," "Often," or "Always" in Q6., then ask Q9..]

9. Which of the following things do you do to be sure you are safe in the water? (Please check all that apply)

- Only swim when lifeguards are present
- Always swim with another person
- Seek out and pay attention to beach condition warnings
- Wear a life jacket or other personal flotation device
- Only swim when conditions appear safe and/or calm
- Other (please describe):
- I do not swim at all or I swim very rarely

Risk Perception & Information Sources

10. How often do you check these sources of weather information before going to the beach?

Types of weather information sources	Not sure/not applicable	Never	Rarely	Sometimes	Often	Always
Newspaper weather forecast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TV weather forecast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Radio weather forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Surf Zone Forecast from the National Weather Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other weather forecast website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Beach website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mobile weather app	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facebook, Twitter, or other social media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hotel desks or tourism agencies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other resource?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[If respondent indicates “Often” or “Always” for at least one source in Q10., then ask Q11..]

[If respondent indicates “Often” or “Always” for “Other resource” in Q10., then ask Q.]

[If neither condition above is met from Q10., then go to Q13.]

11. Please give specific examples of weather information sources you indicated that you use either “Often” or “Always” (e.g. a specific newspaper, website, or radio station, etc.).

[Open response]

12. You indicated that you frequently use other weather information sources before going to the beach. Please describe what you use.

[Open response]

13. In your opinion, how reliable are the following sources of weather information in correctly predicting beach conditions?

Types of weather information sources	Not sure	I don't use this	Unreliable	Somewhat reliable	Very reliable
Newspaper weather forecast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
TV weather forecast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Radio weather forecasts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Surf Zone Forecast from the National Weather Service	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other weather forecast website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Beach website	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mobile weather app	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facebook, Twitter, or other social media	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hotel desks or tourism agencies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other resource?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

14. Have you ever seen or used any of the following?

	Yes	No
The NOAA Break the Grip of the Rip website	<input type="radio"/>	<input type="radio"/>
Beach flags that indicate wave or current conditions	<input type="radio"/>	<input type="radio"/>
Surf Zone Forecast from the National Weather Service	<input type="radio"/>	<input type="radio"/>
The MyBeachCast mobile app	<input type="radio"/>	<input type="radio"/>
"Break the Grip of the Rip" beach signs	<input type="radio"/>	<input type="radio"/>
"Break the Grip of the Rip" brochures	<input type="radio"/>	<input type="radio"/>
Information advising you to swim parallel to the shoreline.	<input type="radio"/>	<input type="radio"/>
Information advising you to swim out of the current	<input type="radio"/>	<input type="radio"/>
Information advising you to not fight the current	<input type="radio"/>	<input type="radio"/>

15. If you arrived at the beach and saw a yellow flag, that would mean:

- Water closed to public
- High hazard: high waves and/or strong currents
- Medium hazard: moderate waves and/or currents
- Low hazard: Calm conditions, exercise caution
- Dangerous marine life

16. If you arrived at the beach and you saw a yellow flag, which of the following actions would you take?

- Make no change in my plans to swim that day.
- Seek out areas of slightly lower waves

Jumping off a pier	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Motorized water vehicles (jet skis, powerboats, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lake bed hazards (e.g., sharp rocks, fishing hooks, broken glass, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. Are any of your children between 13 to 18 years old?

Yes

No [If no, Skip to Q21.]

20. How dangerous would you say are the following activities or hazards for a young person aged 13 to 18 when they go to the beach by themselves or with friends (without you or another adult)?

	Not at all dangerous	Slightly Dangerous	Moderately Dangerous	Very Dangerous	Extremely Dangerous	Not sure
High waves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A current that pulls you quickly away from shore	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A current that pulls you quickly toward rocks/structures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lightning/thunderstorms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bacterial contamination	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Swimming alone	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sunburns	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Jumping off a pier	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Motorized water vehicles (jet skis, powerboats, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lake bed hazards (e.g., sharp rocks, fishing hooks, broken glass, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Risk Awareness

Next, we would like to ask you a few questions about how beach conditions and other factors influence your decision to swim at the beach.

21. How comfortable are you entering the water at the beach for the following conditions?

	Not sure/not applicable	Very uncomfortable	Uncomfortable	Comfortable	Very Comfortable
High waves with dangerous currents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Low waves with weak currents	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Frequent high waves	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Lifeguards on duty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safety equipment available and nearby	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
No lifeguards or park personnel on duty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Flags indicating safe beach conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Posted warnings about unsafe beach conditions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consuming small amounts of alcohol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Consuming large amounts of alcohol	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
News reports about recent drownings in the Great Lakes region	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Next, we'd like to ask a few questions about how to escape from dangerous currents that may occur at beaches on the Great Lakes that you did not anticipate or want to be in.

[If the respondent selected "I don't swim" for Q3., skip to Q28..]

[Photo with line showing current direction]

22. You are swimming near a pier and experience a current that pulls you swiftly away from shore (parallel to the pier), towards open water. Which of the following describes the best way to escape this current?

- Swim toward shore
- Swim away from shore
- Swim parallel to shore
- Get the attention of a lifeguard or someone on the pier or shore
- Ask someone on the pier or shore to throw a life-ring
- Float on my back until the current weakens, then swim to shore
- I don't know

23. Which of the following *best* describes this type of wave or current?

- Rip current
- Channel current
- High wave conditions
- Structural current
- Seiche
- Longshore current
- Normal wave action

I don't know

[Photo with line showing current direction]

24. You are swimming and experience a current that pulls you swiftly between the shore and a sand bar, parallel to shore. Which of the following describes the best way to escape this current?

- Swim toward shore
- Swim away from shore
- Swim parallel to shore
- Get the attention of a lifeguard or someone on the pier or shore
- Ask someone on the pier or shore to throw a life-ring
- Float on your back until the current weakens, then swim to shore
- I don't know

25. Which of the following *best* describes this type of wave or current?

- Rip current
- Channel current
- High wave conditions
- Structural current
- Seiche
- Longshore current
- Normal wave action
- I don't know

[Photo with line showing current direction]

26. You are swimming and experience a current that pulls you swiftly away from shore, towards open water. Which of the following describes the best way to escape this current?

- Swim toward shore
- Swim away from shore
- Swim parallel to shore
- Get the attention of a lifeguard or someone on the pier or shore
- Ask someone on the pier or shore to throw a life-ring
- Float on my back until the current weakens, then swim to shore
- I don't know

27. Which of the following *best* describes this type of wave or current?

- Rip current
- Channel current
- High wave conditions

- Structural current
- Seiche
- Longshore current
- Normal wave action
- I don't know

[Embedded video of current or wave condition]

28. Looking at the video of water conditions, how comfortable would you feel entering the water at this point on the beach?

Not sure	Very uncomfortable	Uncomfortable	Comfortable	Very Comfortable
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[If "Sometimes," "Often," or "Always" for children in Q7., then ask Q29..]

29. How comfortable would you feel letting your children enter the water here?

Not sure	Very uncomfortable	Uncomfortable	Comfortable	Very Comfortable
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

[Repeat Q28. - Q29. for additional videos or animated images of beach conditions]

Finally, we would like to ask you a few questions about yourself.

30. What is your gender:

- Male
- Female
- Prefer not to answer.

31. What is your zip code?

[Dropdown list of zip codes or Open]

32. What language do you prefer to read in?

- English
- Spanish
- Portuguese
- Mandarin

- Arabic
- Vietnamese
- Polish
- French

33. What is the highest level of education that you have completed?

- High School or GED
- Associates degree
- Trade, technical, or vocational education
- Bachelor's degree
- Master's degree
- Ph.D.
- Prefer not to answer.

34. Are you, yourself, of Hispanic or Latino origin or descent, such as Mexican, Puerto Rican, Cuban, or other Spanish background?

- Yes, I am of Hispanic or Latino origin or descent.
- No, I am not of Hispanic or Latino origin or descent.

35. What is your race? (Please select one or more.)

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White

You have completed the survey! Thank you for your participation!

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