2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

SurveyMonkey

# Q1 In which county do you currently reside?

Answered: 55   Skipped: 0
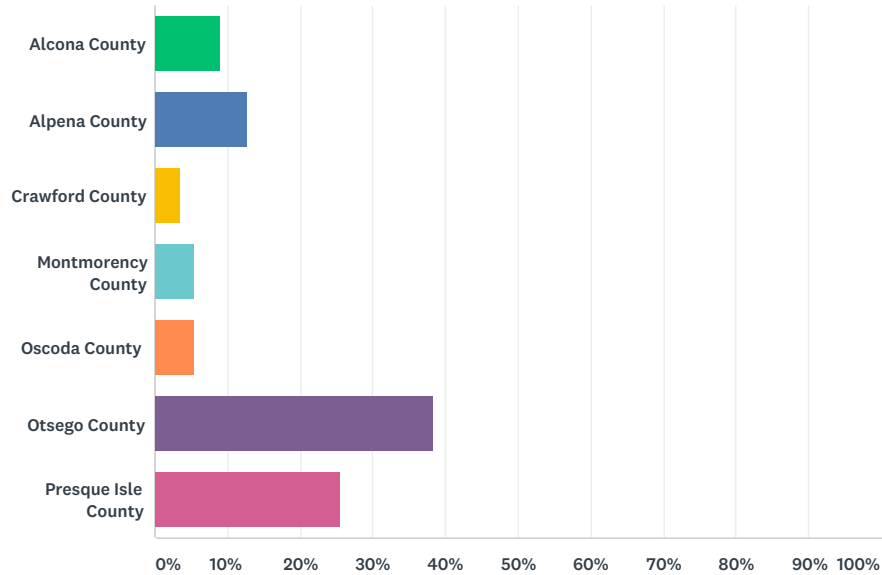
ANSWER CHOICES	RESPONSES	
Alcona County	9.09%	5
Alpena County	12.73%	7
Crawford County	3.64%	2
Montmorency County	5.45%	3
Oscoda County	5.45%	3
Otsego County	38.18%	21
Presque Isle County	25.45%	14
TOTAL		55

#	IN WHICH TOWNSHIP OR CITY DO YOU RESIDE?	DATE
1	Ocqueoc	11/19/2019 3:21 PM
2	Posen	11/19/2019 2:20 PM
3	Maple Ridge	11/19/2019 2:17 PM
4	Rogers Township	11/18/2019 8:41 AM
5	Rogers City	11/15/2019 12:38 PM
6	Alpena	11/15/2019 8:54 AM
7	Allis	11/15/2019 8:23 AM
8	Rogers City	11/14/2019 7:08 PM
9	Gaylord	11/14/2019 4:41 PM
10	Wellington	11/14/2019 4:34 PM
11	Rogers City	11/14/2019 3:42 PM
12	Posen	11/14/2019 3:41 PM
13	otsego lake township	10/1/2019 2:49 PM
14	Johannesburg	8/30/2019 1:58 PM
15	Hayes	8/25/2019 4:18 PM
16	Briley	8/23/2019 6:54 PM
17	Gaylord	8/19/2019 9:48 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

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18	Livingston	8/18/2019 10:56 AM
19	Greenwood	8/16/2019 9:06 AM
20	Bagley	8/14/2019 4:12 PM
21	Hawes	8/14/2019 8:42 AM
22	Lovells	8/13/2019 9:23 PM
23	rogers	8/13/2019 4:02 PM
24	Elmira	8/13/2019 11:06 AM
25	Alpena	8/13/2019 8:16 AM
26	Case	8/13/2019 7:11 AM
27	Livingston	8/12/2019 10:23 PM
28	Mitchell	8/12/2019 10:19 PM
29	Bagley	8/12/2019 8:58 PM
30	livingston	8/12/2019 4:02 PM
31	Hillman	8/12/2019 2:18 PM
32	Loud	8/12/2019 12:49 PM
33	Gaylord	8/12/2019 12:06 PM
34	Grayling	8/12/2019 11:51 AM
35	Livingston	8/12/2019 11:32 AM
36	Gaylord	8/12/2019 11:07 AM
37	Alpena City	8/12/2019 10:41 AM
38	Charlton	8/12/2019 10:23 AM
39	Elmira	8/12/2019 10:23 AM
40	Otsego Lake	8/12/2019 9:51 AM
41	Corwith	8/12/2019 9:30 AM
42	Gaylord	8/12/2019 9:26 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

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Q2 During the past five years, have you or someone in your household experienced a natural disaster, such as a flood, winter storm or other type of natural disaster?
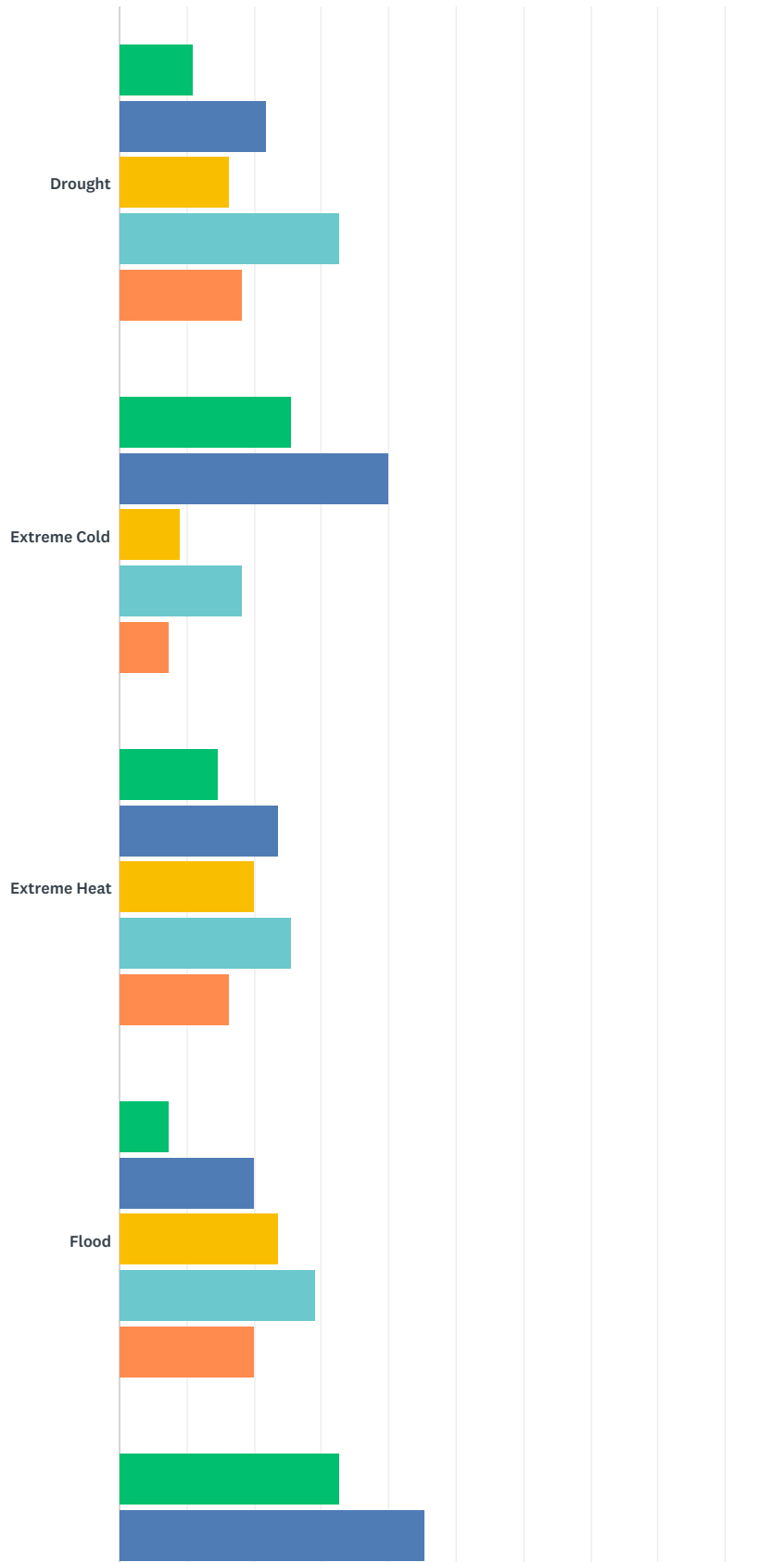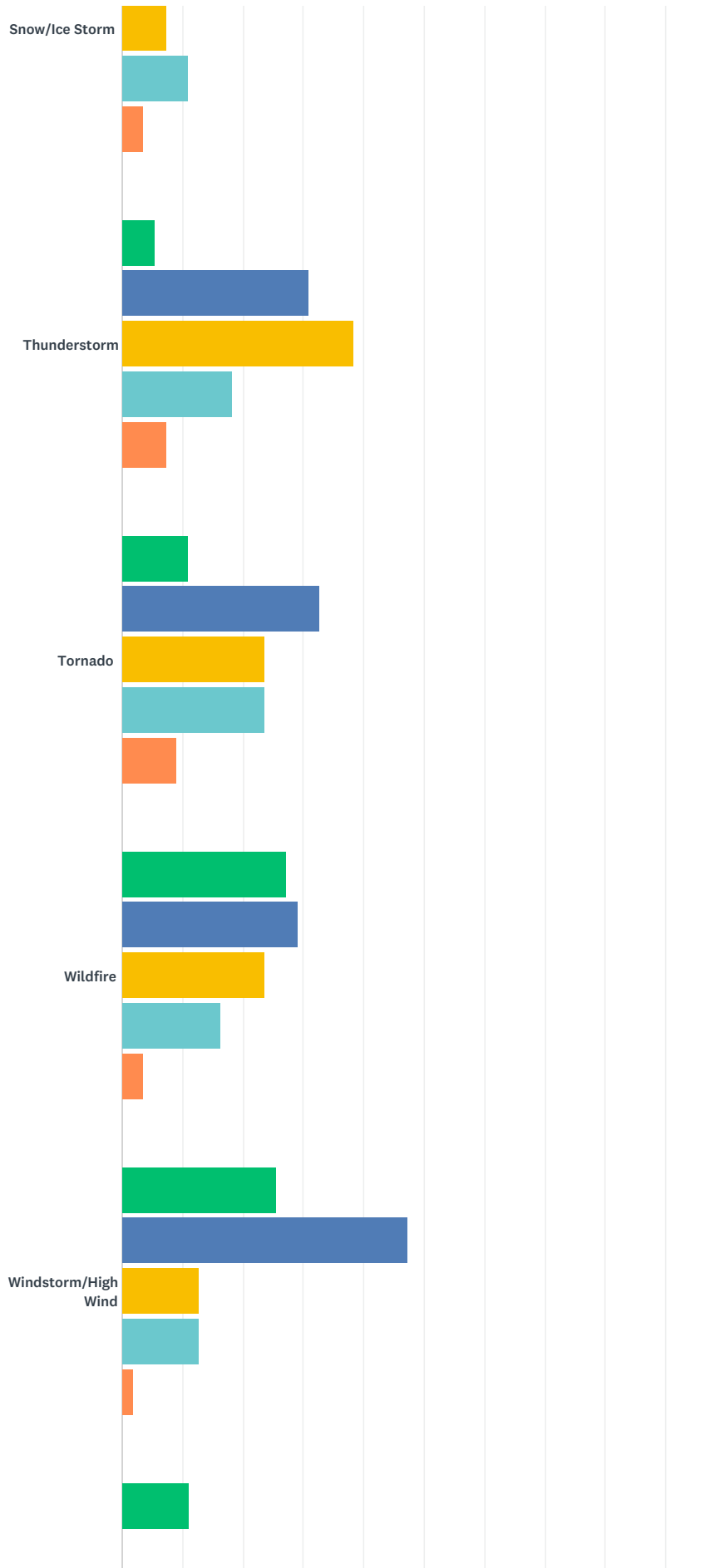
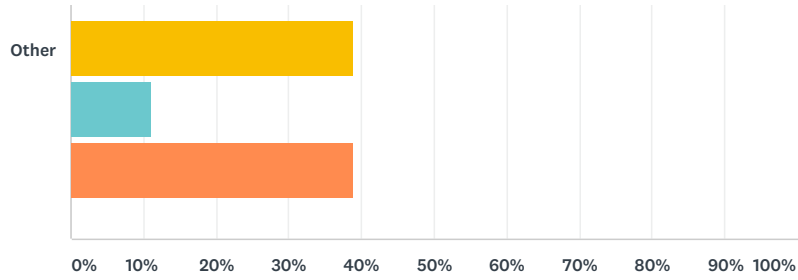Answered: 55   Skipped: 0
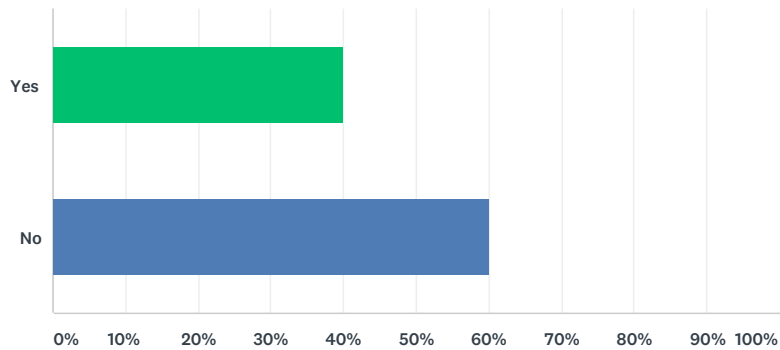
ANSWER CHOICES	RESPONSES	
Yes	40.00%	22
No	60.00%	33
TOTAL		55

#	IF SO, WHEN DID YOU EXPERIENCE THE NATURAL DISASTER AND WHAT NATURAL DISASTER DID YOU EXPERIENCE?	DATE
1	Flooded basement 2018	11/19/2019 2:17 PM
2	Snow storm	11/15/2019 12:38 PM
3	Last several years - winter storms	11/15/2019 8:54 AM
4	Winter storms	11/14/2019 5:41 PM
5	Every year--winter storm.	11/14/2019 4:34 PM
6	Wind storm	10/1/2019 2:49 PM
7	Winter storm	8/23/2019 6:54 PM
8	Winter Storm	8/23/2019 3:04 PM
9	Winter Storm	8/19/2019 9:48 AM
10	Winter storm and summer storm power outage	8/18/2019 10:56 AM
11	2018/2019 winter storms	8/16/2019 9:06 AM
12	Hurricane	8/14/2019 4:12 PM
13	Snow Storm	8/13/2019 4:02 PM
14	Winter 2019-19 - Winter Storms	8/13/2019 8:16 AM
15	Snow storm	8/13/2019 7:11 AM
16	Fall 2019 Straight Line Winds	8/12/2019 8:58 PM
17	winter storms every winter and a wind storm last summer	8/12/2019 4:02 PM
18	Last winter we were snowed in with power out for several days. We have a generator but others do not.	8/12/2019 12:49 PM
19	Nearly every winter we experience a winter storm	8/12/2019 11:08 AM
20	Heavy Snowfall during the Winter of 2018/19	8/12/2019 11:07 AM
21	Winter Storm, April 2018 and February (?) 2019	8/12/2019 10:23 AM
22	Winter storm	8/12/2019 9:26 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

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Q3 How concerned are you about the the following natural hazards affecting your community?

Answered: 55   Skipped: 0

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2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey
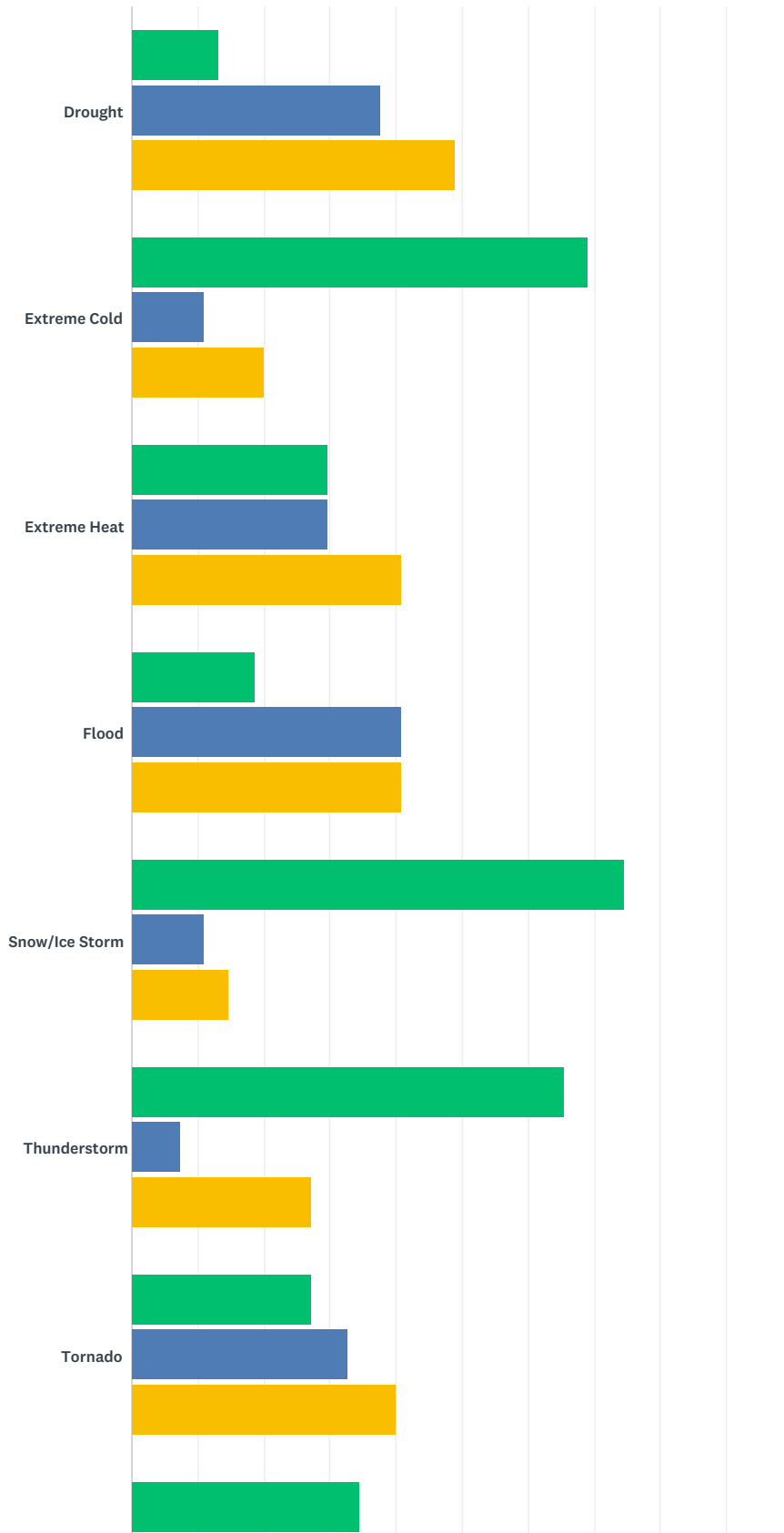
SurveyMonkey

■ Very Concerned ■ Somewhat Concerned ■ Neutral
■ Not Very Concerned ■ Not Concerned

	VERY CONCERNED	SOMEWHAT CONCERNED	NEUTRAL	NOT VERY CONCERNED	NOT CONCERNED	TOTAL	WEIGHTED AVERAGE
Drought	10.91% 6	21.82% 12	16.36% 9	32.73% 18	18.18% 10	55	2.75
Extreme Cold	25.45% 14	40.00% 22	9.09% 5	18.18% 10	7.27% 4	55	3.58
Extreme Heat	14.55% 8	23.64% 13	20.00% 11	25.45% 14	16.36% 9	55	2.95
Flood	7.27% 4	20.00% 11	23.64% 13	29.09% 16	20.00% 11	55	2.65
Snow/Ice Storm	32.73% 18	45.45% 25	7.27% 4	10.91% 6	3.64% 2	55	3.93
Thunderstorm	5.45% 3	30.91% 17	38.18% 21	18.18% 10	7.27% 4	55	3.09
Tornado	10.91% 6	32.73% 18	23.64% 13	23.64% 13	9.09% 5	55	3.13
Wildfire	27.27% 15	29.09% 16	23.64% 13	16.36% 9	3.64% 2	55	3.60
Windstorm/High Wind	25.45% 14	47.27% 26	12.73% 7	12.73% 7	1.82% 1	55	3.82
Other	11.11% 2	0.00% 0	38.89% 7	11.11% 2	38.89% 7	18	2.33

#	OTHER (PLEASE SPECIFY)	DATE
1	Milfoil in the lake	8/30/2019 1:58 PM
2	Possible earthquake	8/20/2019 11:54 AM
3	Disease outbreak	8/13/2019 8:16 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

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Q4 Which natural hazards do you feel your community is best and least prepared to handle?

Answered: 55   Skipped: 0

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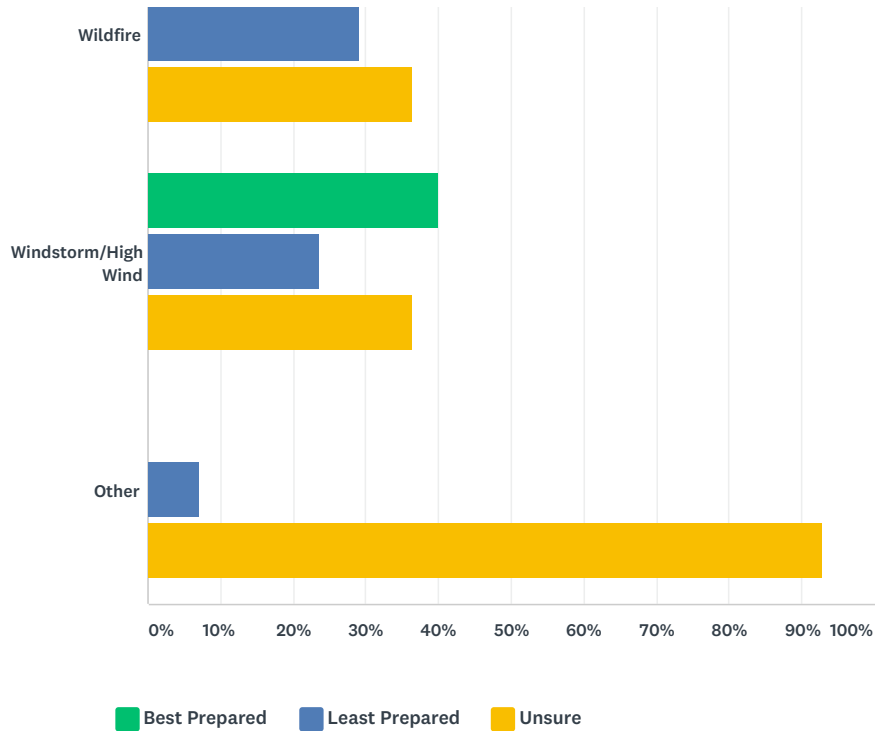
	BEST PREPARED	LEAST PREPARED	UNSURE	TOTAL	WEIGHTED AVERAGE
Drought	13.21% 7	37.74% 20	49.06% 26	53	0.64
Extreme Cold	69.09% 38	10.91% 6	20.00% 11	55	1.49
Extreme Heat	29.63% 16	29.63% 16	40.74% 22	54	0.89
Flood	18.52% 10	40.74% 22	40.74% 22	54	0.78
Snow/Ice Storm	74.55% 41	10.91% 6	14.55% 8	55	1.60
Thunderstorm	65.45% 36	7.27% 4	27.27% 15	55	1.38
Tornado	27.27% 15	32.73% 18	40.00% 22	55	0.87
Wildfire	34.55% 19	29.09% 16	36.36% 20	55	0.98
Windstorm/High Wind	40.00% 22	23.64% 13	36.36% 20	55	1.04
Other	0.00% 0	7.14% 1	92.86% 13	14	0.07

#	OTHER (PLEASE SPECIFY)	DATE
1	Disease outbreak	8/13/2019 8:16 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

SurveyMonkey

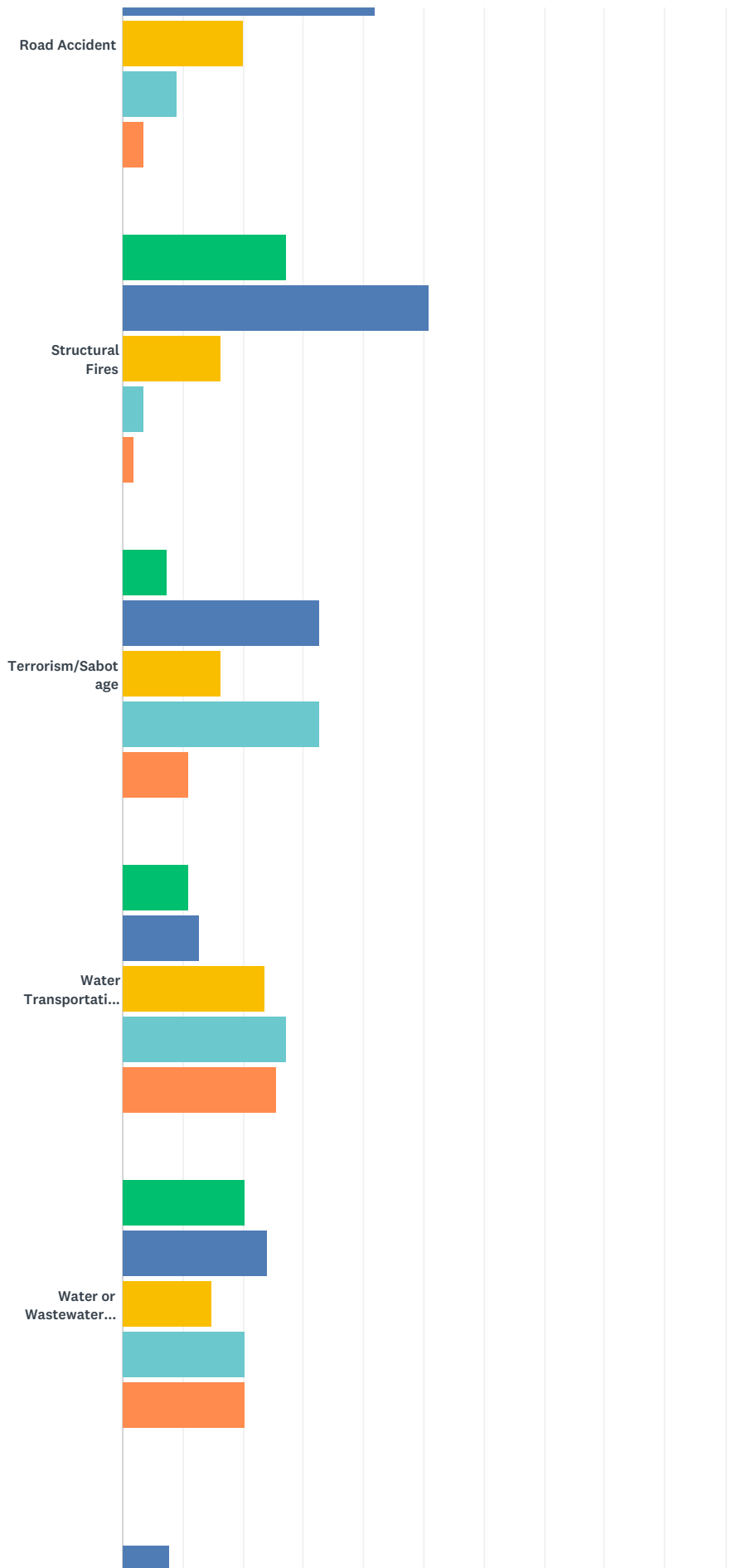## Q5 How concerned are you about the following technological and human-related hazards affecting your community?
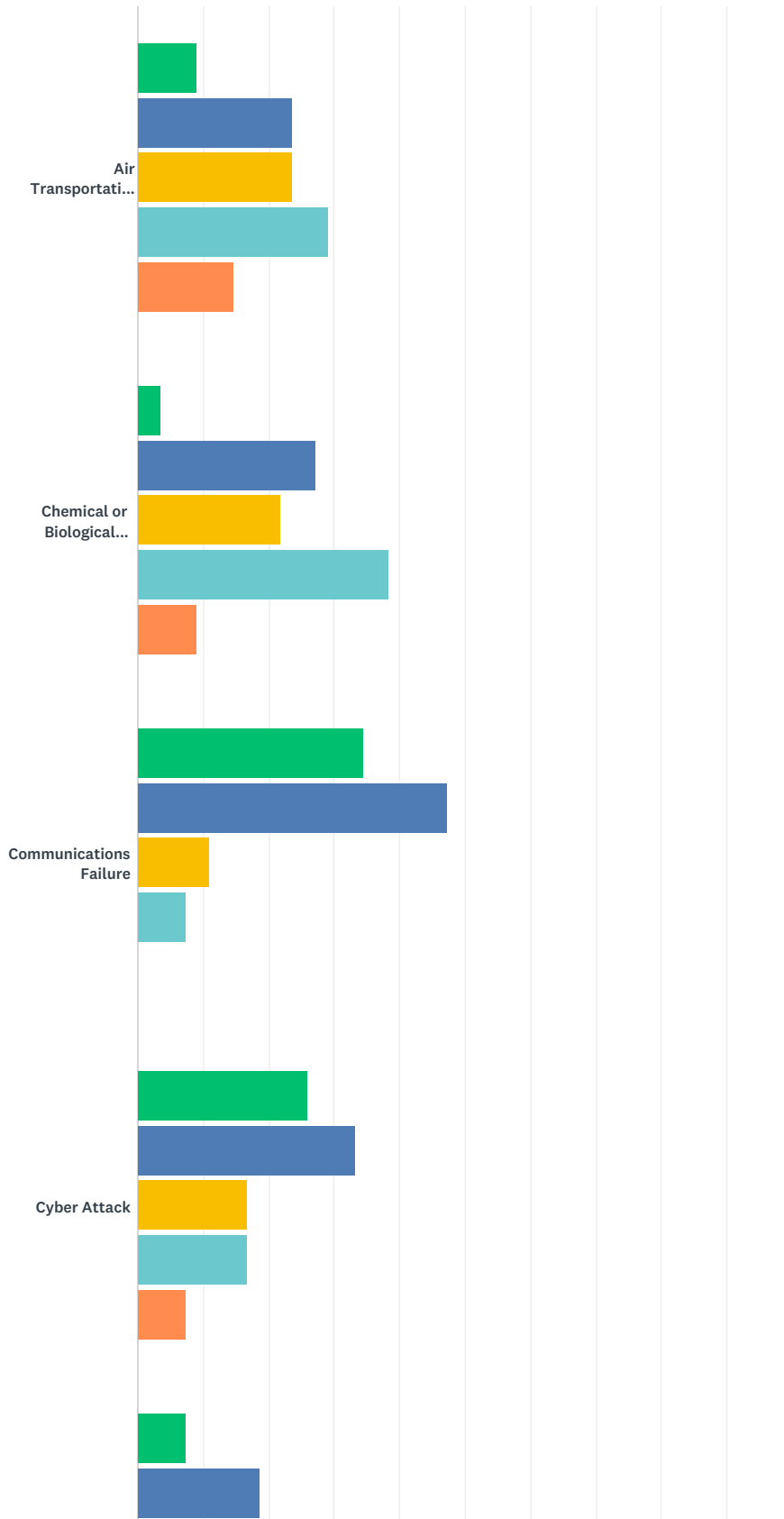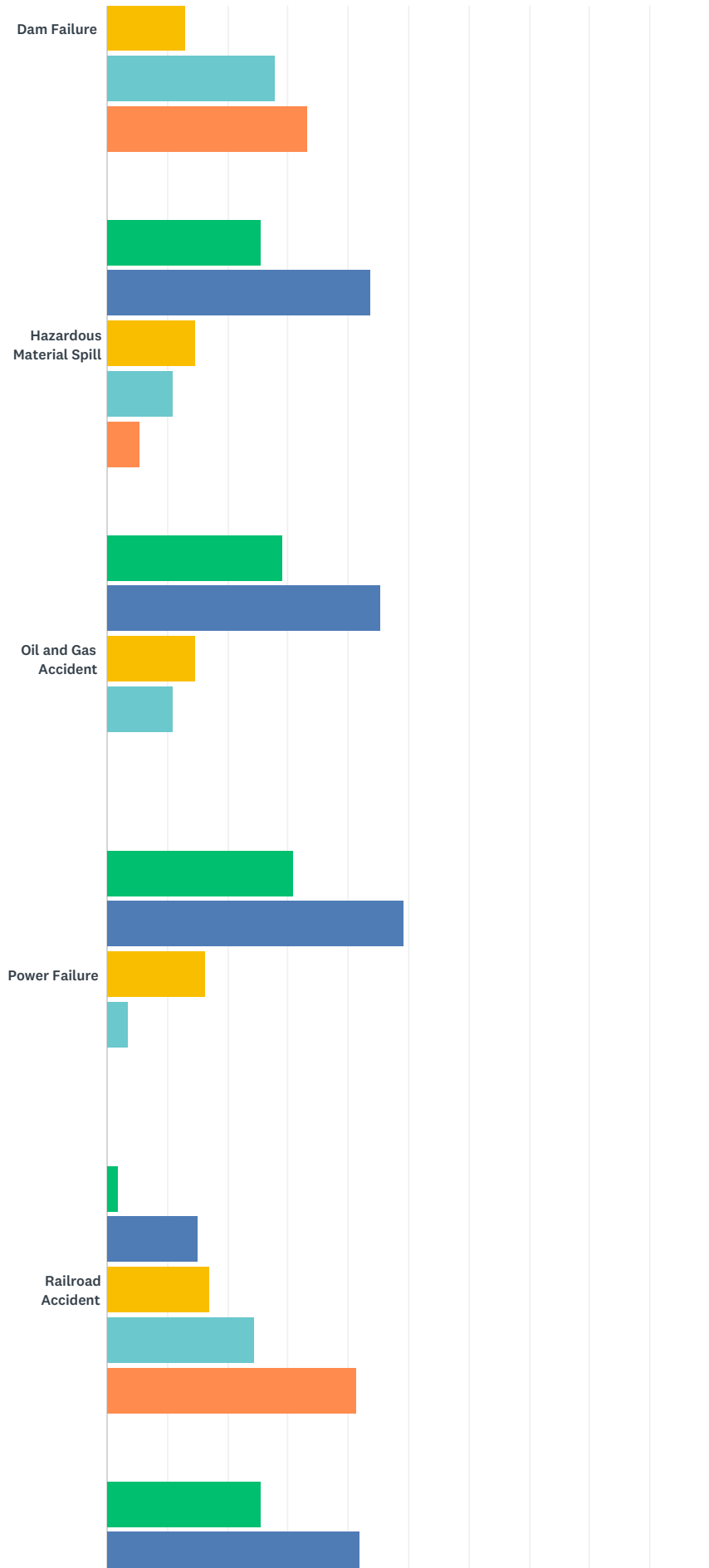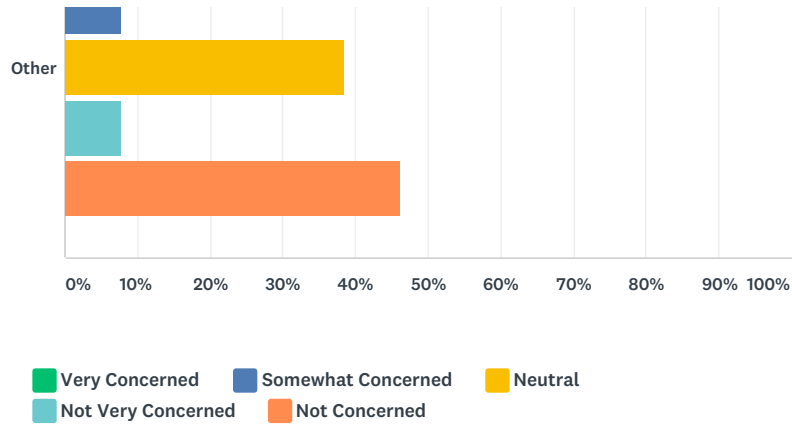
Answered: 55   Skipped: 0

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Dam Failure

Hazardous Material Spill

Oil and Gas Accident

Power Failure

Railroad Accident

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	VERY CONCERNED	SOMEWHAT CONCERNED	NEUTRAL	NOT VERY CONCERNED	NOT CONCERNED	TOTAL	WEIGHTED AVERAGE
Air Transportation Accident	9.09% 5	23.64% 13	23.64% 13	29.09% 16	14.55% 8	55	2.84
Chemical or Biological Attack	3.64% 2	27.27% 15	21.82% 12	38.18% 21	9.09% 5	55	2.78
Communications Failure	34.55% 19	47.27% 26	10.91% 6	7.27% 4	0.00% 0	55	4.09
Cyber Attack	25.93% 14	33.33% 18	16.67% 9	16.67% 9	7.41% 4	54	3.54
Dam Failure	7.41% 4	18.52% 10	12.96% 7	27.78% 15	33.33% 18	54	2.39
Hazardous Material Spill	25.45% 14	43.64% 24	14.55% 8	10.91% 6	5.45% 3	55	3.73
Oil and Gas Accident	29.09% 16	45.45% 25	14.55% 8	10.91% 6	0.00% 0	55	3.93
Power Failure	30.91% 17	49.09% 27	16.36% 9	3.64% 2	0.00% 0	55	4.07
Railroad Accident	1.89% 1	15.09% 8	16.98% 9	24.53% 13	41.51% 22	53	2.11
Road Accident	25.45% 14	41.82% 23	20.00% 11	9.09% 5	3.64% 2	55	3.76
Structural Fires	27.27% 15	50.91% 28	16.36% 9	3.64% 2	1.82% 1	55	3.98
Terrorism/Sabotage	7.27% 4	32.73% 18	16.36% 9	32.73% 18	10.91% 6	55	2.93
Water Transportation Accident	10.91% 6	12.73% 7	23.64% 13	27.27% 15	25.45% 14	55	2.56
Water or Wastewater Treatment System Failure	20.37% 11	24.07% 13	14.81% 8	20.37% 11	20.37% 11	54	3.04
Other	0.00% 0	7.69% 1	38.46% 5	7.69% 1	46.15% 6	13	2.08

#	OTHER (PLEASE SPECIFY)	DATE
1	Mass shooting	8/20/2019 11:54 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

SurveyMonkey

Q6 Which technological and human-related hazards do you feel your community is best and least prepared to handle?

Answered: 55   Skipped: 0

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Legend: Best Prepared, Least Prepared, Unsure

Categories (top to bottom): Power Failure, Railroad Accident, Road Accident, Structural Fires, Terrorism/Sabotage, Water Transportati..., Water or Wastewater..., Other
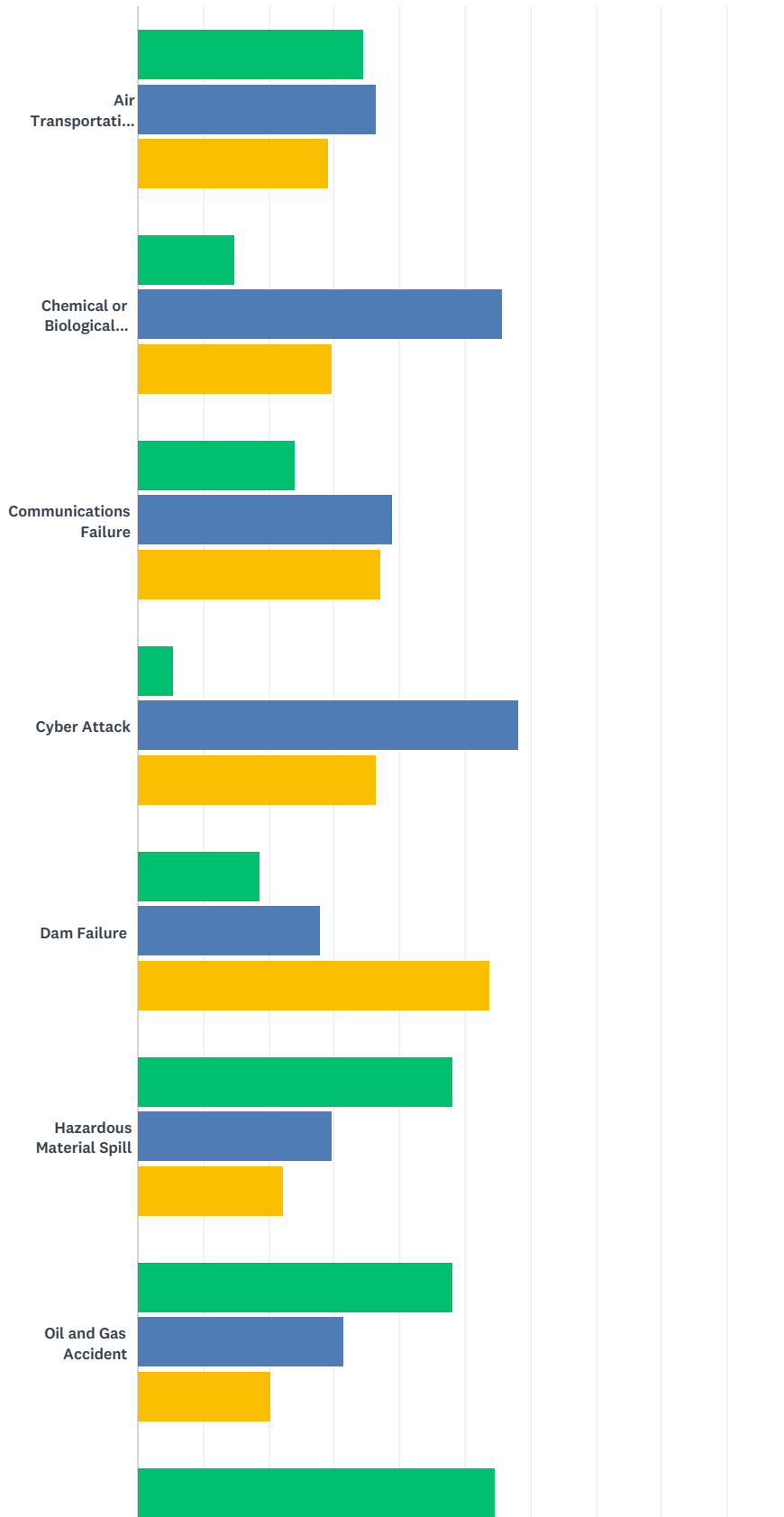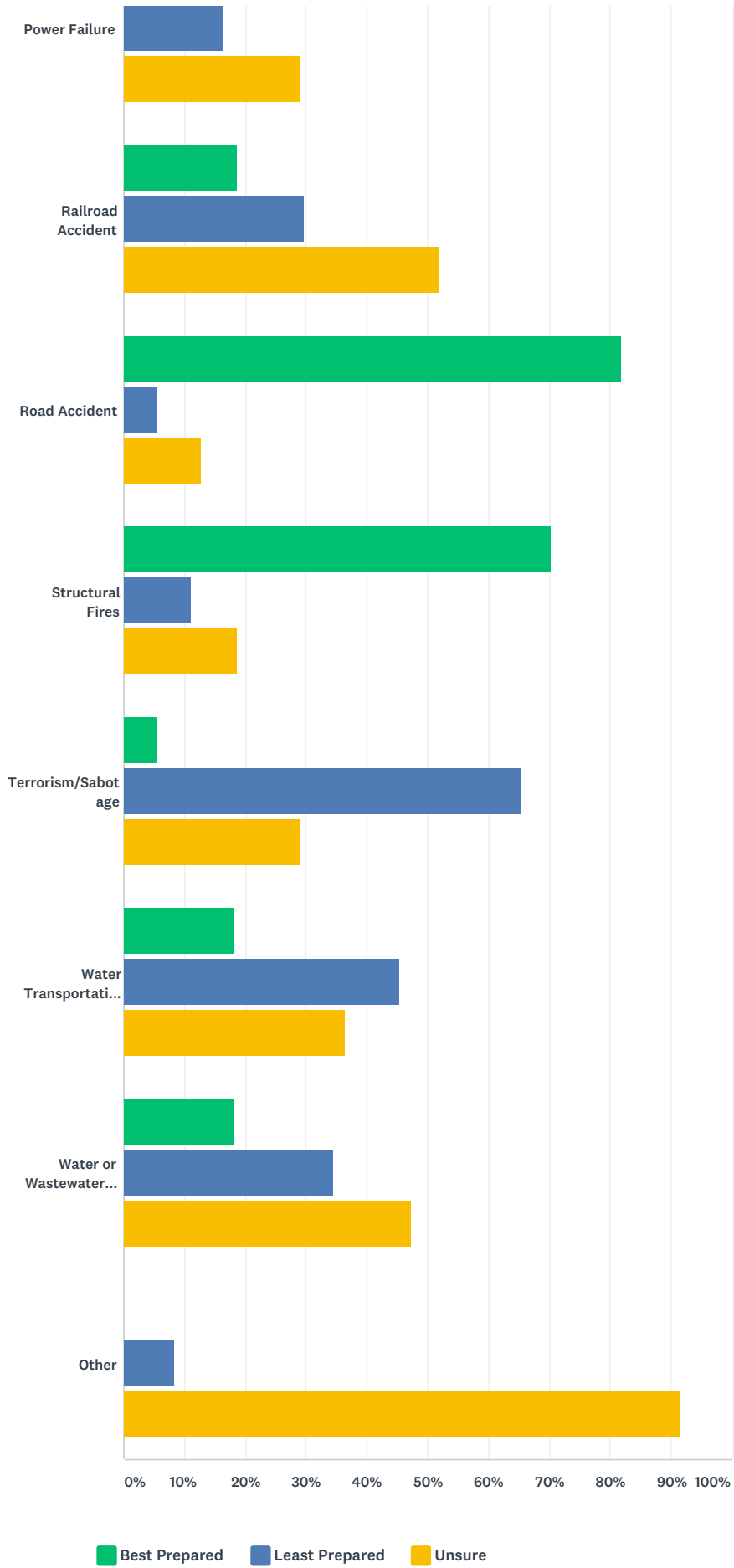
	BEST PREPARED	LEAST PREPARED	UNSURE	TOTAL	WEIGHTED AVERAGE
Air Transportation Accident	34.55% 19	36.36% 20	29.09% 16	55	1.05
Chemical or Biological Attack	14.81% 8	55.56% 30	29.63% 16	54	0.85
Communications Failure	24.07% 13	38.89% 21	37.04% 20	54	0.87
Cyber Attack	5.45% 3	58.18% 32	36.36% 20	55	0.69
Dam Failure	18.52% 10	27.78% 15	53.70% 29	54	0.65
Hazardous Material Spill	48.15% 26	29.63% 16	22.22% 12	54	1.26
Oil and Gas Accident	48.15% 26	31.48% 17	20.37% 11	54	1.28
Power Failure	54.55% 30	16.36% 9	29.09% 16	55	1.25
Railroad Accident	18.52% 10	29.63% 16	51.85% 28	54	0.67
Road Accident	81.82% 45	5.45% 3	12.73% 7	55	1.69
Structural Fires	70.37% 38	11.11% 6	18.52% 10	54	1.52
Terrorism/Sabotage	5.45% 3	65.45% 36	29.09% 16	55	0.76
Water Transportation Accident	18.18% 10	45.45% 25	36.36% 20	55	0.82
Water or Wastewater Treatment System Failure	18.18% 10	34.55% 19	47.27% 26	55	0.71
Other	0.00% 0	8.33% 1	91.67% 11	12	0.08

	BEST PREPARED	LEAST PREPARED	UNSURE	TOTAL	WEIGHTED AVERAGE

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Q7 Have you received information about making your household safer from natural hazards, technological hazards, and human-related hazards?

Answered: 55   Skipped: 0
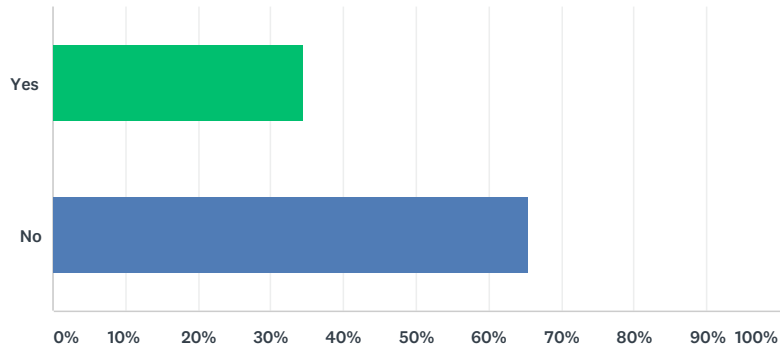
ANSWER CHOICES	RESPONSES	
Yes	34.55%	19
No	65.45%	36
TOTAL		55

#	IF SO, FROM WHOM?	DATE
1	Red Cross	11/16/2019 8:58 PM
2	FEMA, Alpena Co EM	11/14/2019 5:41 PM
3	Firewise - USDA/Forest Service	9/4/2019 3:51 PM
4	DTE Energy	8/20/2019 8:06 PM
5	Firewise, Red Cross, articles	8/20/2019 11:54 AM
6	radio, tv, paper, facebook/lepc/em	8/18/2019 10:56 AM
7	Otsego County Emergency Management	8/14/2019 4:12 PM
8	US Forest Service	8/14/2019 8:42 AM
9	insurance company	8/13/2019 12:51 PM
10	Red Cross	8/12/2019 10:23 PM
11	CERT	8/12/2019 8:58 PM
12	mail	8/12/2019 4:02 PM
13	Emergency Managerment	8/12/2019 9:26 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

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Q8 What is the most effective way for you to receive information about how to make your household safer from natural hazards, technological hazards, and human-related hazards?

Answered: 55   Skipped: 0
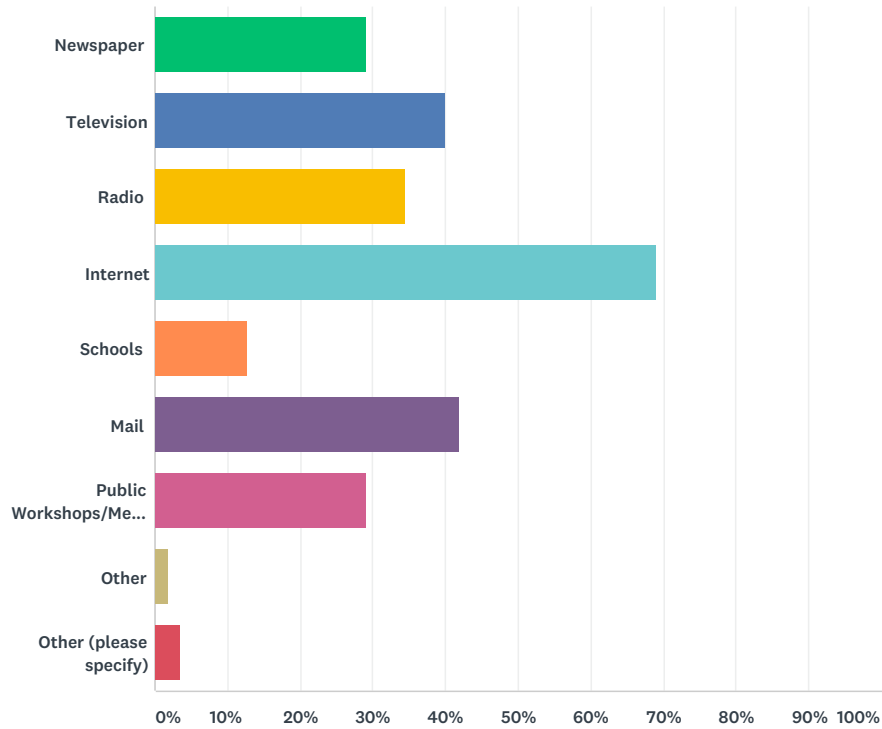
ANSWER CHOICES	RESPONSES	
Newspaper	29.09%	16
Television	40.00%	22
Radio	34.55%	19
Internet	69.09%	38
Schools	12.73%	7
Mail	41.82%	23
Public Workshops/Meetings	29.09%	16
Other	1.82%	1
Other (please specify)	3.64%	2
Total Respondents: 55		

#	OTHER (PLEASE SPECIFY)	DATE
1	Fire department paging	11/14/2019 3:41 PM
2	Emergency organizations, fire departments	8/20/2019 11:54 AM

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

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Q9 Rank the community assets in order from the most vulnerable to the impacts caused by hazards in your community (1 being most vulnerable and 6 being least vulnerable).
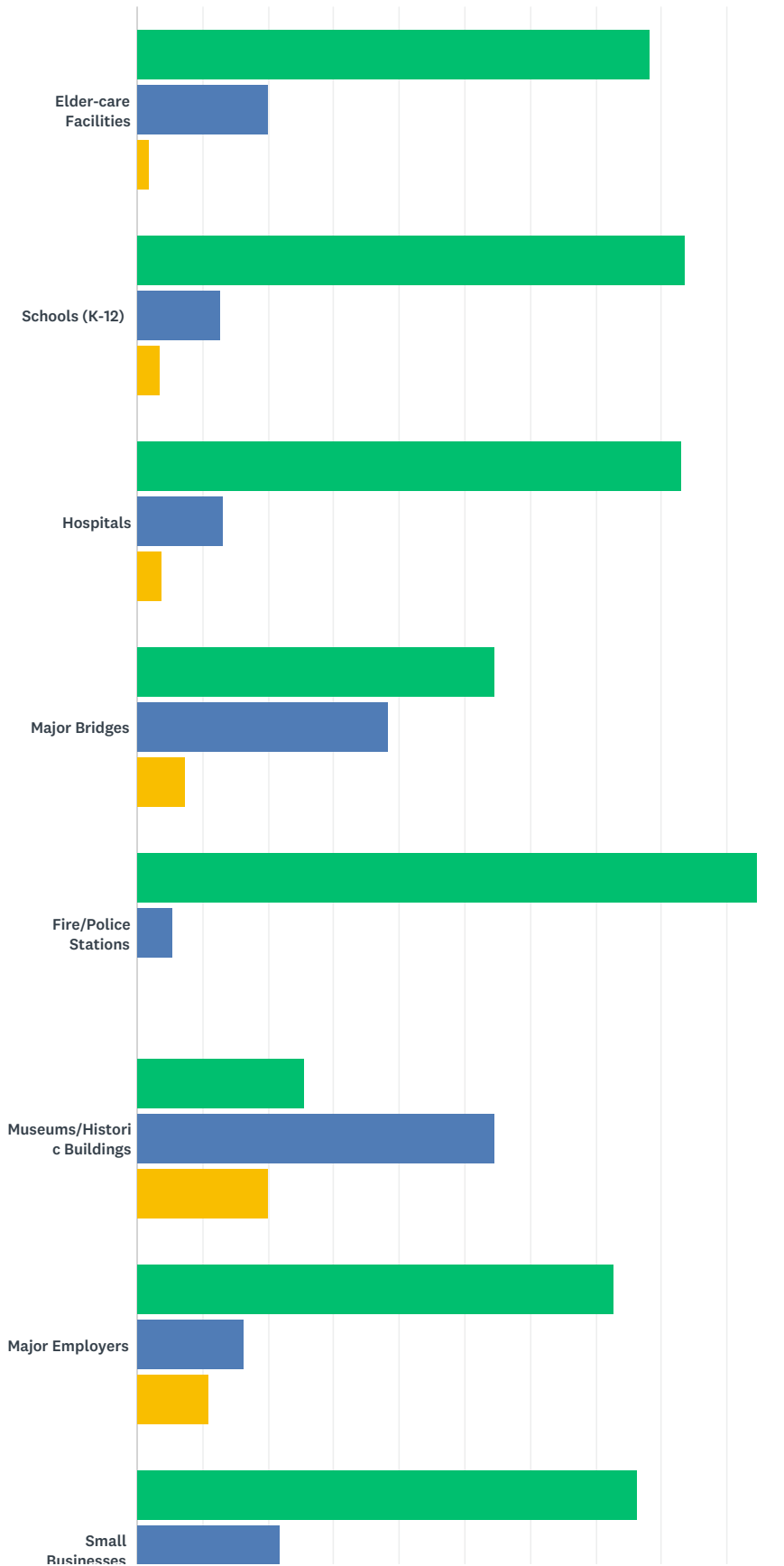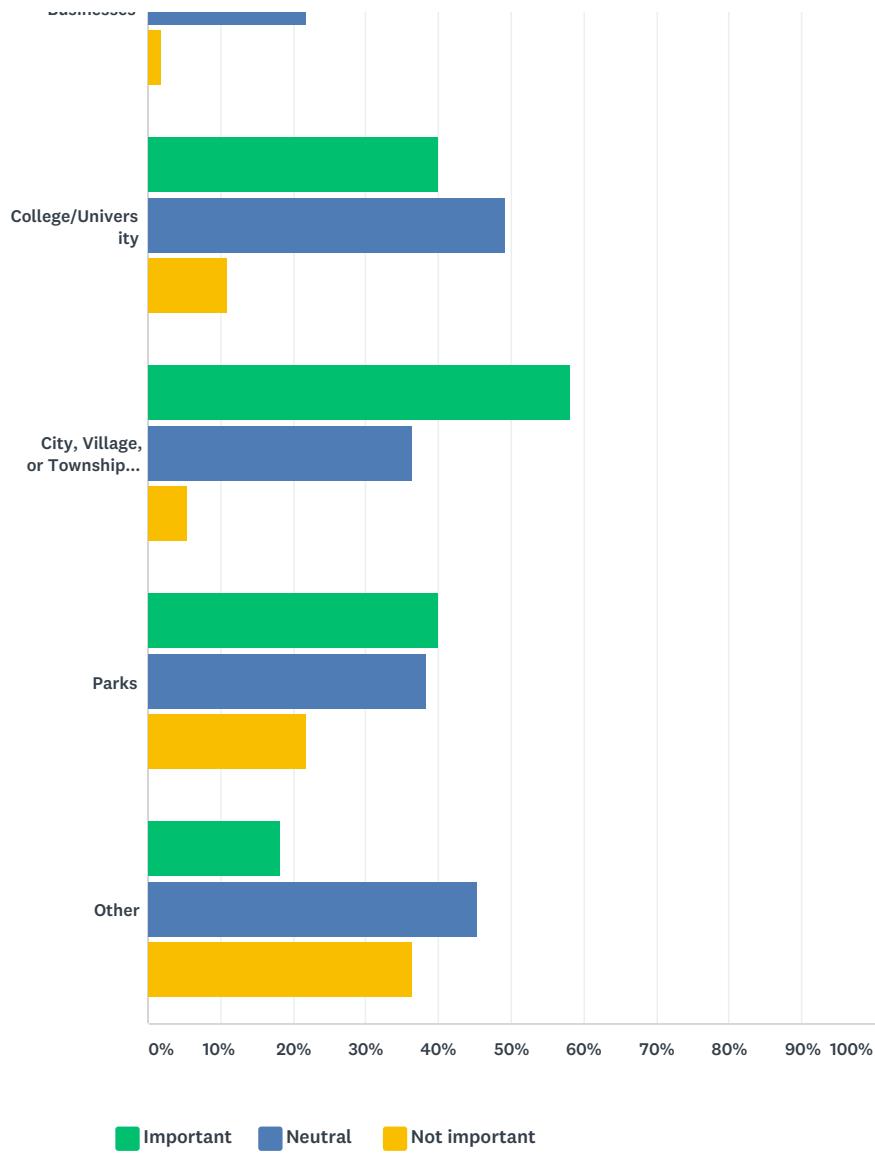
Answered: 55   Skipped: 0
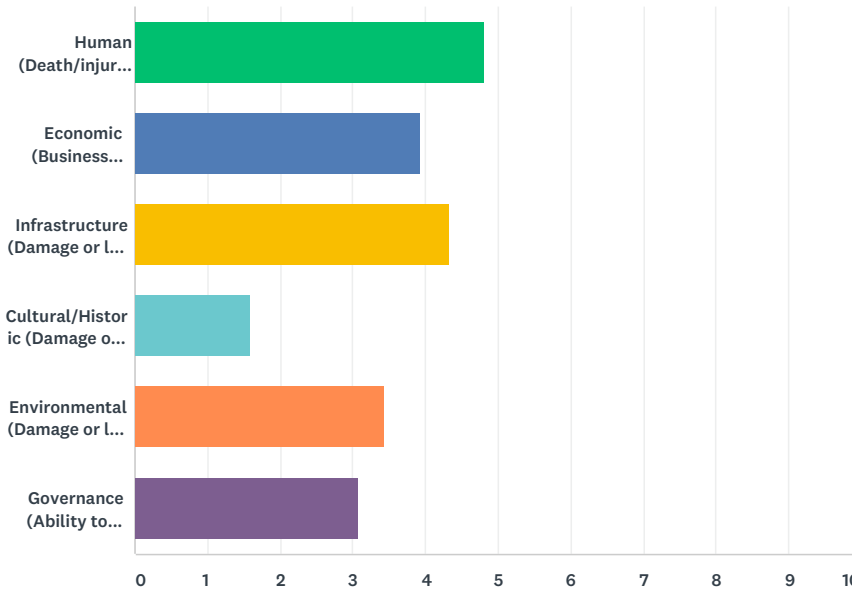
	1	2	3	4	5	6	TOTAL	SCORE
Human (Death/injuries)	52.00% 26	4.00% 2	26.00% 13	12.00% 6	4.00% 2	2.00% 1	50	4.82
Economic (Business closures and/or job losses)	12.96% 7	29.63% 16	18.52% 10	20.37% 11	14.81% 8	3.70% 2	54	3.94
Infrastructure (Damage or loss of bridges, utilities, schools, etc.)	19.61% 10	27.45% 14	29.41% 15	13.73% 7	9.80% 5	0.00% 0	51	4.33
Cultural/Historic (Damage or loss of libraries, museums, fairgrounds, etc.)	1.89% 1	1.89% 1	0.00% 0	16.98% 9	9.43% 5	69.81% 37	53	1.60
Environmental (Damage or loss of forests, rangeland, waterways, etc.)	9.26% 5	16.67% 9	22.22% 12	18.52% 10	25.93% 14	7.41% 4	54	3.43
Governance (Ability to maintain order and/or provide public amenities and services)	7.27% 4	18.18% 10	9.09% 5	18.18% 10	34.55% 19	12.73% 7	55	3.07

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Q10 What community assets are important to you?

Answered: 55   Skipped: 0

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	IMPORTANT	NEUTRAL	NOT IMPORTANT	TOTAL	WEIGHTED AVERAGE
Elder-care Facilities	78.18% 43	20.00% 11	1.82% 1	55	2.76
Schools (K-12)	83.64% 46	12.73% 7	3.64% 2	55	2.80
Hospitals	83.02% 44	13.21% 7	3.77% 2	53	2.79
Major Bridges	54.55% 30	38.18% 21	7.27% 4	55	2.47
Fire/Police Stations	94.55% 52	5.45% 3	0.00% 0	55	2.95
Museums/Historic Buildings	25.45% 14	54.55% 30	20.00% 11	55	2.05
Major Employers	72.73% 40	16.36% 9	10.91% 6	55	2.62
Small Businesses	76.36% 42	21.82% 12	1.82% 1	55	2.75
College/University	40.00% 22	49.09% 27	10.91% 6	55	2.29
City, Village, or Township Hall/County Courthouse	58.18% 32	36.36% 20	5.45% 3	55	2.53

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

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Parks	40.00% 22	38.18% 21	21.82% 12	55	2.18
Other	18.18% 2	45.45% 5	36.36% 4	11	1.82

#	OTHER (PLEASE SPECIFY)	DATE
1	Lakes	8/30/2019 1:58 PM
2	Cemeteries	8/20/2019 11:54 AM
3	Waterfront, watershed	8/13/2019 8:16 AM

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SurveyMonkey

Q11 Which statements represent your opinion on strategies to reduce the risk and loss associated with disasters (agree/disagree)?

Answered: 55   Skipped: 0

Legend: Agree (green), Disagree (blue)

Categories (top to bottom):
- I support a regulatory...
- I support a non-regulato...
- I support policies to...
- I support the use of tax...
- I support protecting...
- I would be willing to m...
- I support steps to...
- I support improving th...
- I support a local invent...
- I support the disclosure o...

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	AGREE	DISAGREE	TOTAL	WEIGHTED AVERAGE
I support a regulatory approach to reducing risk	68.52% 37	31.48% 17	54	1.69
I support a non-regulatory approach to reducing risk	57.41% 31	42.59% 23	54	1.57
I support policies to prohibit development in areas subject to natural hazards	83.33% 45	16.67% 9	54	1.83
I support the use of tax dollars to reduce risks and losses from natural disasters	70.37% 38	29.63% 16	54	1.70
I support protecting historical and cultural structures	71.70% 38	28.30% 15	53	1.72
I would be willing to make my home more disaster-resilient	89.09% 49	10.91% 6	55	1.89
I support steps to safeguard the local economy following a disaster	96.36% 53	3.64% 2	55	1.96
I support improving the disaster preparedness of local schools	98.18% 54	1.82% 1	55	1.98
I support a local inventory of at-risk buildings and infrastructure	94.44% 51	5.56% 3	54	1.94
I support the disclosure of natural hazard risks during real estate transactions	87.27% 48	12.73% 7	55	1.87
	AGREE	DISAGREE	TOTAL	WEIGHTED AVERAGE

2019 Alpena, Alcona, Crawford, Montmorency, Oscoda, Otsego, and Presque Isle Counties Hazard Mitigation Public Opinion Survey

SurveyMonkey

Q12 What initiatives, improvements, or efforts do you think could be implemented to reduce your community's natural, technological, and human-related hazard risks?

Answered: 23   Skipped: 32

#	RESPONSES	DATE
1	Improved wildfire protection	11/19/2019 3:21 PM
2	Get lazy people into the community to see the hazards that small town pose	11/19/2019 2:17 PM
3	idk	11/15/2019 12:38 PM
4	Reasonable but consistent fire code enforcement. Increased public outreach on disaster mitigation strategies, Funding to enhance essential public safety services.	11/14/2019 5:41 PM
5	Education, education, education	11/14/2019 4:34 PM
6	A rapid marine response for boaters in danger on Lake Huron.	11/14/2019 3:42 PM
7	Milfoil awareness at local lakes	8/30/2019 1:58 PM
8	Training of community officials as well as citizens.	8/23/2019 6:54 PM
9	Inspectiions of a whole community by professionals	8/20/2019 11:54 AM
10	Harden the cyber communication	8/14/2019 4:12 PM
11	The installation of Broad Band in the whole county.	8/14/2019 8:42 AM
12	more awareness on emergency prepardness and community involvment on planning and operting during a disaster .	8/13/2019 3:56 PM
13	More education.	8/13/2019 12:51 PM
14	Limit Oil Transport under/through/on the great lakes. Support the elimination of Line 5.	8/13/2019 8:16 AM
15	Education, public workshops	8/13/2019 7:11 AM
16	Consumers Energy needs to be proactive with trimming and removing trees. Downed trees from wind and weather related incidences are our major cause of power outages. Consumers marked trees several years ago but we have not seen them come through and do any maintenance. Unacceptable!	8/12/2019 10:19 PM
17	As much information as possible	8/12/2019 4:02 PM
18	Small local governments must work together to get things done. One area can't fight the neighboring area.	8/12/2019 2:18 PM
19	More money	8/12/2019 11:51 AM
20	Community hazard education	8/12/2019 10:41 AM
21	Support of Emergency Services and "getting out the word" to being prepared If people don't care, you an't make them care, but you can try to "educate" them as to potential problems/issues.	8/12/2019 10:19 AM
22	No comment at this time	8/12/2019 9:51 AM
23	Get information out to the people	8/12/2019 9:30 AM