Update on DHSES' Strategic Initiatives

Agenda

- County Emergency Preparedness Assessment (CEPA)

- National Incident Management System (NIMS) Survey

- Cooperation with NYSEMA

- DHSES Unmanned Aerial Systems Program

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County Emergency Preparedness Assessment (CEPA)

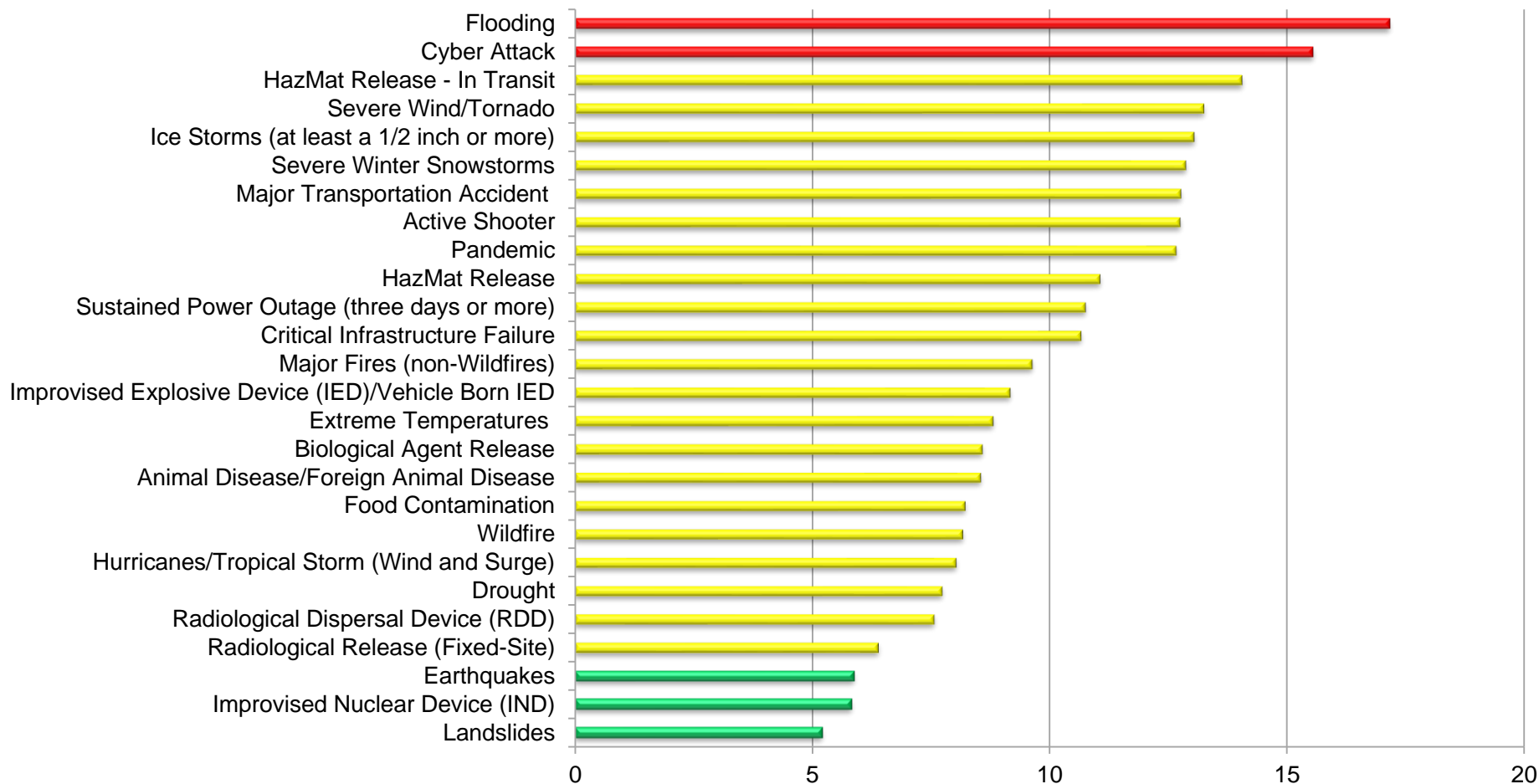NEW YORK STATE | Homeland Security and Emergency Services

CEPA Update Overview

- The County Emergency Preparedness Assessment (CEPA) is an effort to obtain a greater understanding of preparedness in New York State in a more systematic way.

- CEPA is a framework and tool to assess risk, capabilities, and the potential need for support during disasters.

- Developed in collaboration with the local emergency management community.

- From 2014-2016, DHSES facilitated CEPA sessions with State and local stakeholders in every County (and NYC).

- DHSES conducted CEPA update sessions in all Counties (and NYC) between January 2017 and October 2018.

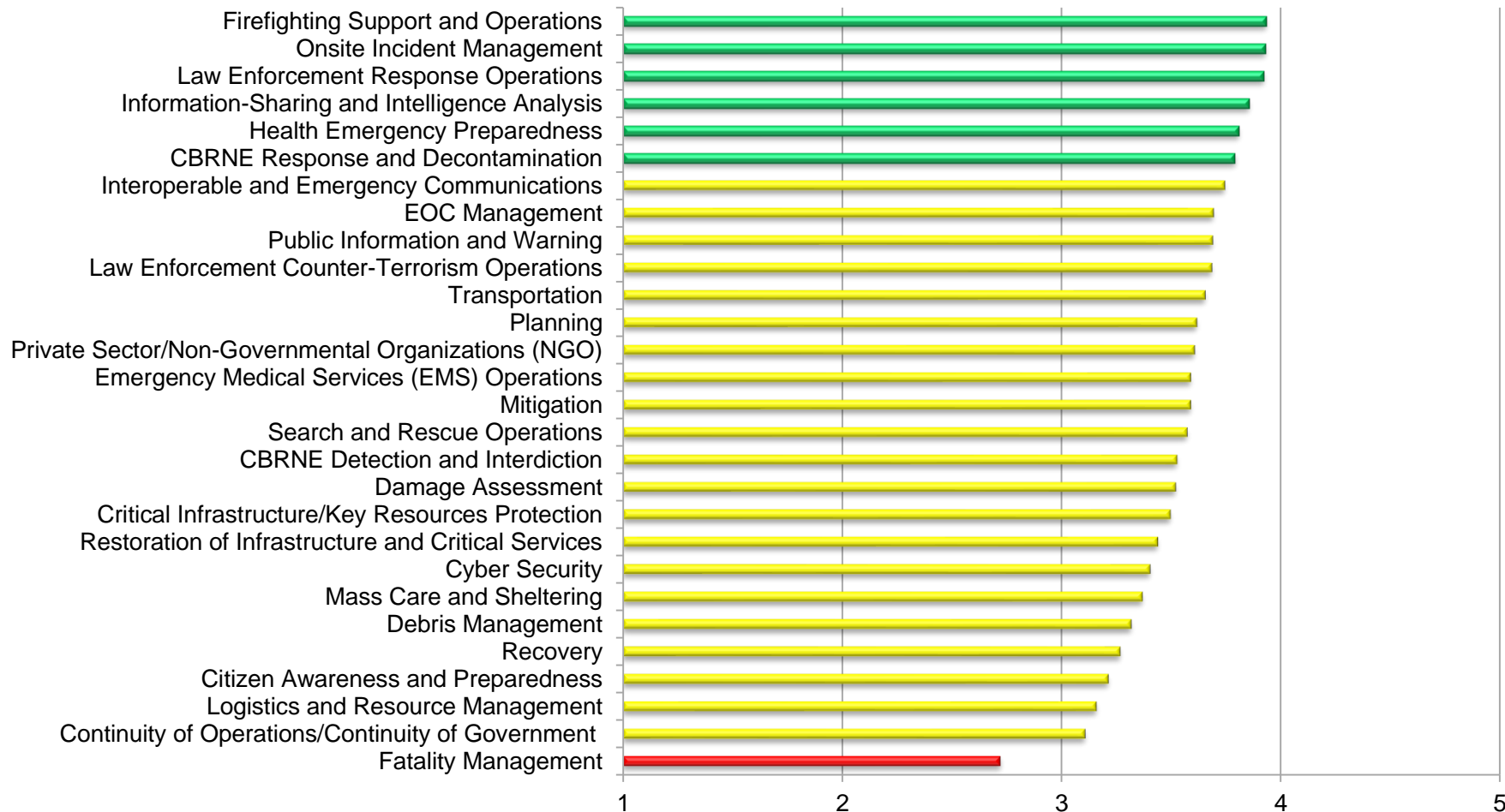NEW YORK STATE | Homeland Security and Emergency Services

Hazard	Value
Flooding	~17
Cyber Attack	~15.5
HazMat Release - In Transit	~14
Severe Wind/Tornado	~13
Ice Storms (at least a 1/2 inch or more)	~13
Severe Winter Snowstorms	~12.8
Major Transportation Accident	~12.7
Active Shooter	~12.7
Pandemic	~12.5
HazMat Release	~11
Sustained Power Outage (three days or more)	~10.7
Critical Infrastructure Failure	~10.6
Major Fires (non-Wildfires)	~9.5
Improvised Explosive Device (IED)/Vehicle Born IED	~9
Extreme Temperatures	~8.7
Biological Agent Release	~8.5
Animal Disease/Foreign Animal Disease	~8.5
Food Contamination	~8.1
Wildfire	~8.1
Hurricanes/Tropical Storm (Wind and Surge)	~8
Drought	~7.7
Radiological Dispersal Device (RDD)	~7.5
Radiological Release (Fixed-Site)	~6.3
Earthquakes	~5.8
Improvised Nuclear Device (IND)	~5.8
Landslides	~5.1

Hazard	Score Change (%)
Cyber Attack	13.7%
Sustained Power Outage (three days or more)	6.7%
Landslides	5.2%
Active Shooter	5.1%
Flooding	4.2%

Several Counties have added Vehicle Ramming Attack as a hazard during the 2017-2018 round of CEPA

Denotes top 5 changes in Average Risk Score from 2014-15 round of CEPA to 2017-18.

Capability	Score Change (%)
Citizen Awareness and Preparedness	9.0%
Interoperable and Emergency Communications	5.7%
Critical Infrastructure/Key Resources Protection	3.5%
Continuity of Operations/Continuity of Government	3.3%
Cyber Security	3.2%
Mass Care and Sheltering	2.8%
Transportation	2.7%
Law Enforcement Counter-Terrorism Operations	2.7%
CBRNE Response and Decontamination	2.7%
Law Enforcement Response Operations	2.3%
Information-Sharing and Intelligence Analysis	2.2%
Fatality Management	-2.0%
Emergency Medical Services (EMS) Operations	-3.4%
Firefighting Support and Operations	-4.1%

Mainly due to reduced scores for Organization

*Denotes changes in Average Capability Score greater than 2% from 2014-15 round of CEPA to 2017-18.
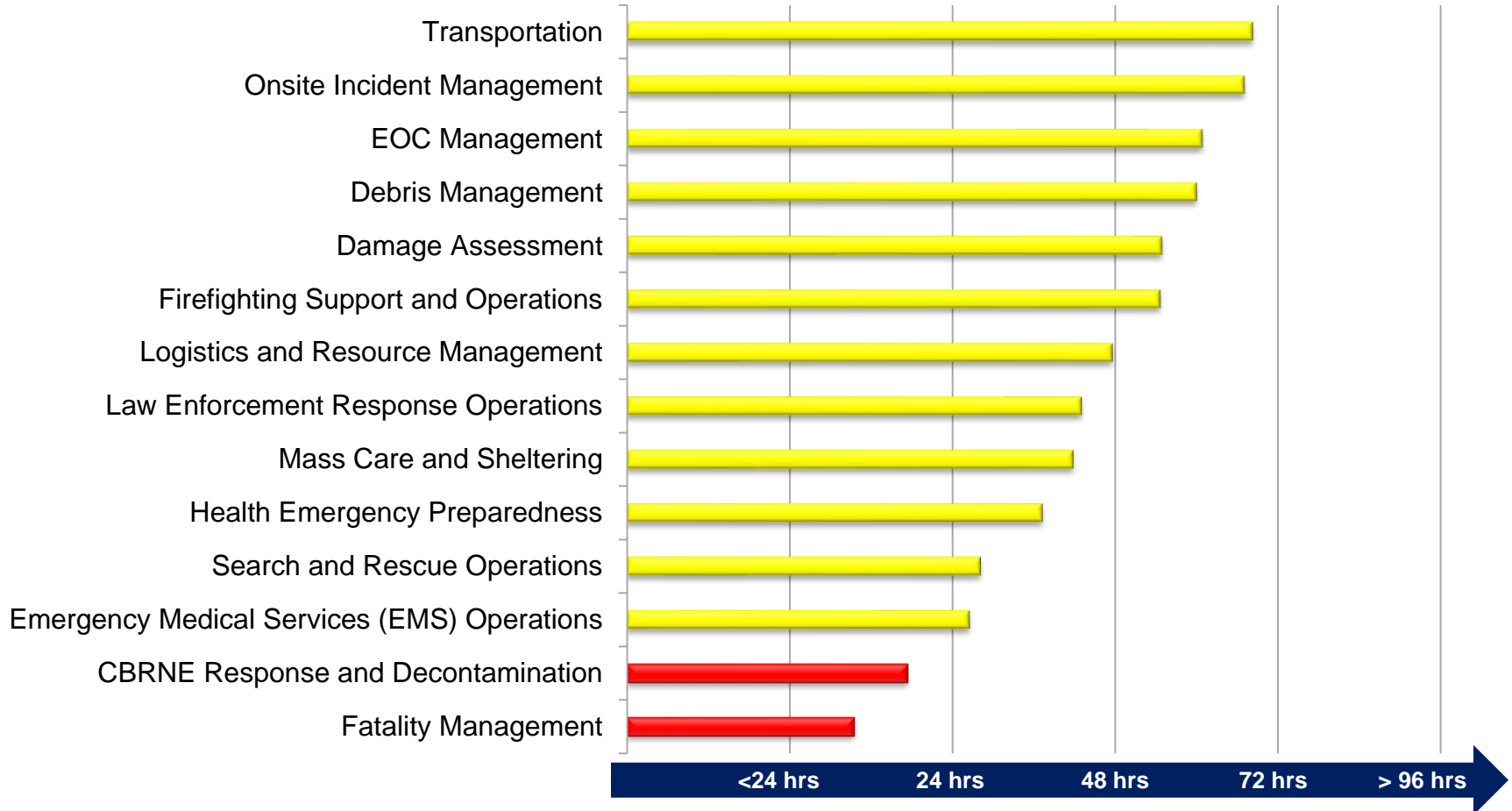
Capability	Average Grant Reliance	Average Score Conversion (%)
CBRNE Response and Decontamination	3.7	92%
Health Emergency Preparedness	3.6	91%
CBRNE Detection and Interdiction	3.5	88%
Mitigation	3.3	82%
Interoperable and Emergency Communications	3.3	82%
Planning	2.9	72%
EOC Management	2.8	71%
Law Enforcement Counter-Terrorism Operations	2.7	67%
Continuity of Operations/Continuity of Government	2.7	67%
Onsite Incident Management	2.7	67%
Search and Rescue Operations	2.6	66%
Law Enforcement Response Operations	2.5	64%
Citizen Awareness and Preparedness	2.5	62%
Critical Infrastructure/Key Resources Protection	2.4	61%
Information-Sharing and Intelligence Analysis	2.4	61%
Public Information and Warning	2.4	59%
Logistics and Resource Management	2.4	59%
Firefighting Support and Operations	2.3	59%
Transportation	2.2	56%
Restoration of Infrastructure and Critical Services	2.2	56%
Recovery	2.2	56%
Mass Care and Sheltering	2.2	55%
Damage Assessment	1.9	47%
Emergency Medical Services (EMS) Operations	1.8	45%
Fatality Management	1.8	45%
Cyber Security	1.7	43%
Debris Management	1.7	42%
Private Sector/Non-Governmental Organizations (NGO)	1.7	42%

Average Response Capacity

Category	Response Time
Transportation	~72 hrs
Onsite Incident Management	~72 hrs
EOC Management	~66 hrs
Debris Management	~66 hrs
Damage Assessment	~54 hrs
Firefighting Support and Operations	~54 hrs
Logistics and Resource Management	48 hrs
Law Enforcement Response Operations	~42 hrs
Mass Care and Sheltering	~42 hrs
Health Emergency Preparedness	~40 hrs
Search and Rescue Operations	~30 hrs
Emergency Medical Services (EMS) Operations	~26 hrs
CBRNE Response and Decontamination	<24 hrs
Fatality Management	<24 hrs

<24 hrs   24 hrs   48 hrs   72 hrs   > 96 hrs

Response Capacity	Average Score Change (%)
Law Enforcement Response Operations	4.5%
Onsite Incident Management	-2.7%
Damage Assessment	-3.2%
Fatality Management	-3.6%
Firefighting Support and Operations	-4.0%
CBRNE Response and Decontamination	-4.8%
Emergency Medical Services (EMS) Operations	-6.9%
Mass Care and Sheltering	-7.0%
Search and Rescue Operations	-9.4%

All place degree of reliance upon volunteers

Denotes changes in Average Response Capacity greater than 2% from 2014-15 round of CEPA to 2017-18.

Next Steps

- Continue to analyze data and understand findings.

- Share CEPA data and best practices with relevant partners.

- Use CEPA data to inform planning priorities

- Develop strategies to address high risk and/or low capability items (e.g. Cyber Security, Citizen Preparedness, etc.)

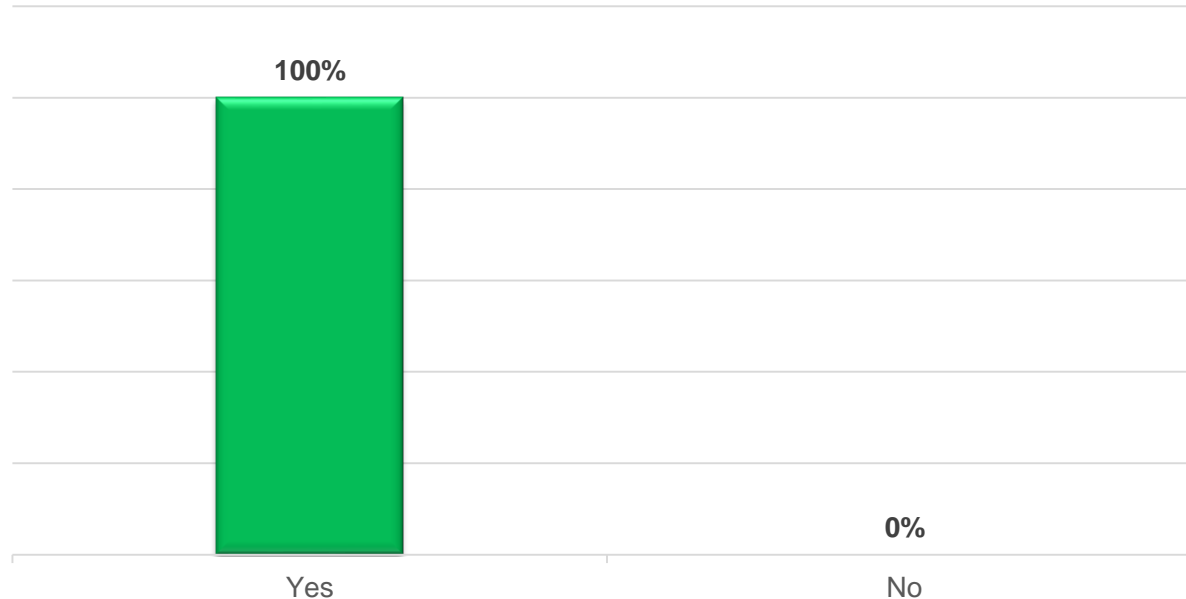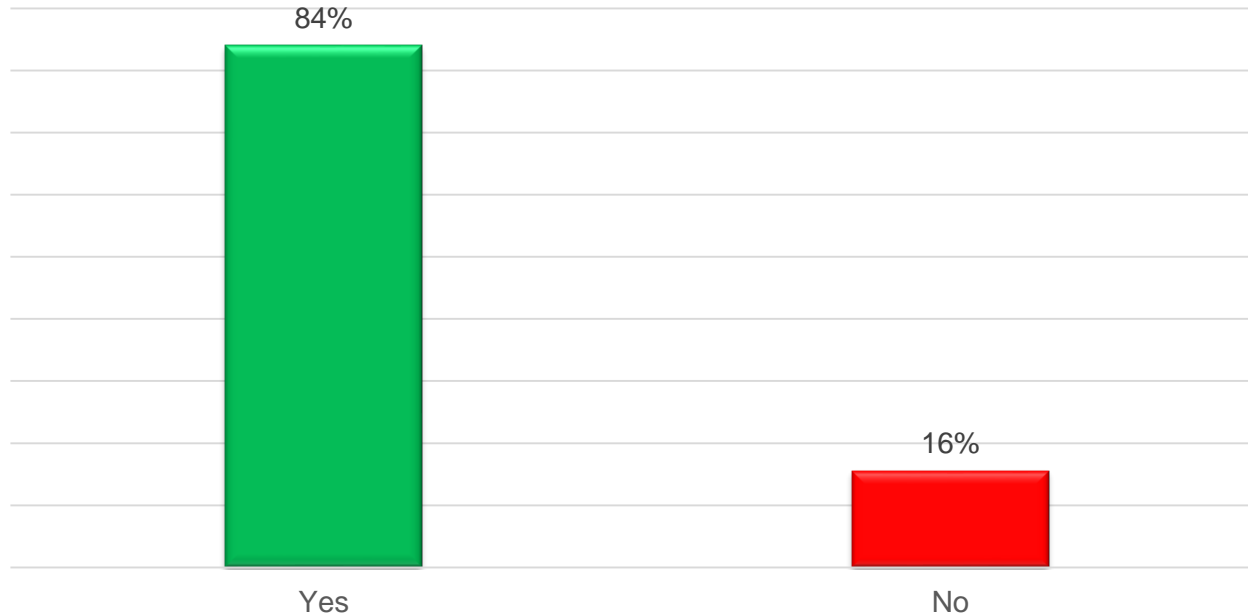- Prepare for next round of CEPA, beginning January 2020.

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NIMS Reporting

NIMS Survey

- DHSES conducted a NIMS survey to evaluate compliance as part of the 2018 THIRA process.

- The survey addressed NIMS adoption, the use of interoperable tools, mutual aid agreements, EOC structure, and NIMS resource typing.

- All 57 counties plus New York City responded to the survey.

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Has your County formally adopted and/or maintained adoption of NIMS as your all-hazards incident management system for FY2018?

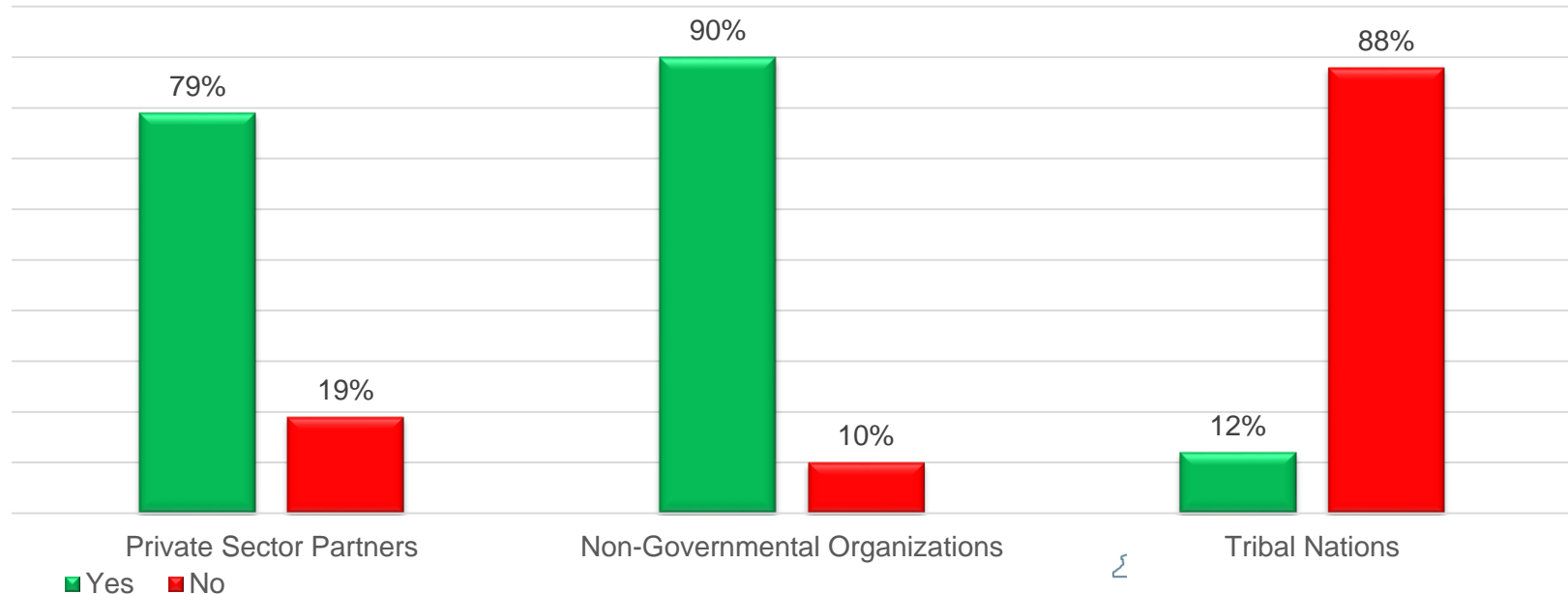# Does your County use an interoperable tool* to inventory response resources and assets?

84%

16%

Yes

No

*Such as FEMA's Incident Resource Inventory System (IRIS), or
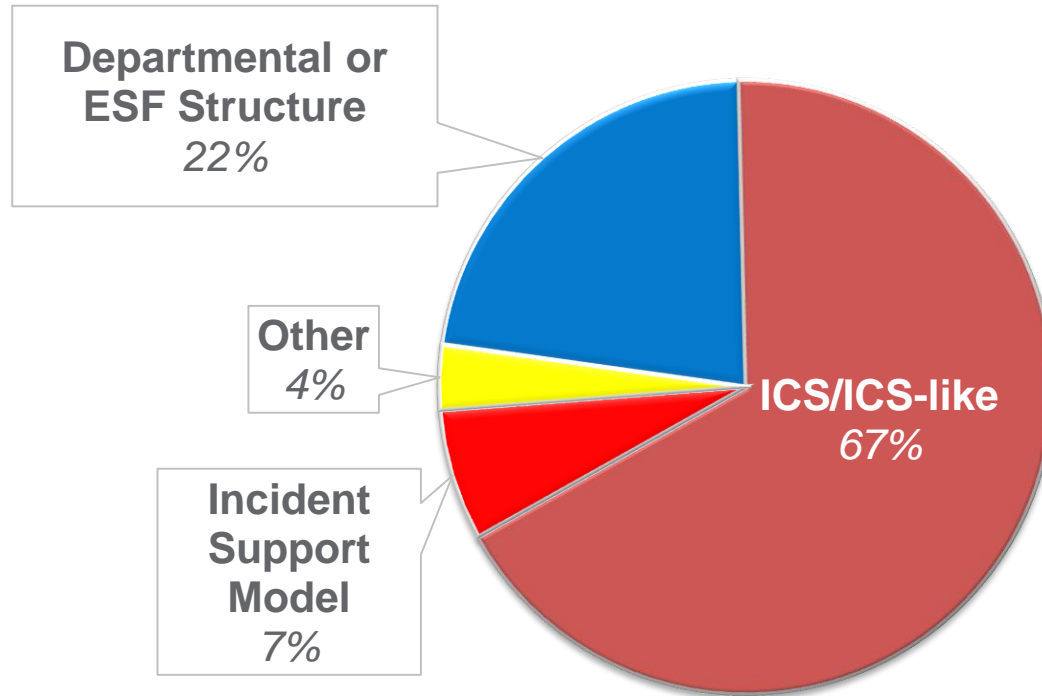other EOC software systems such as NY Responds or WebEOC

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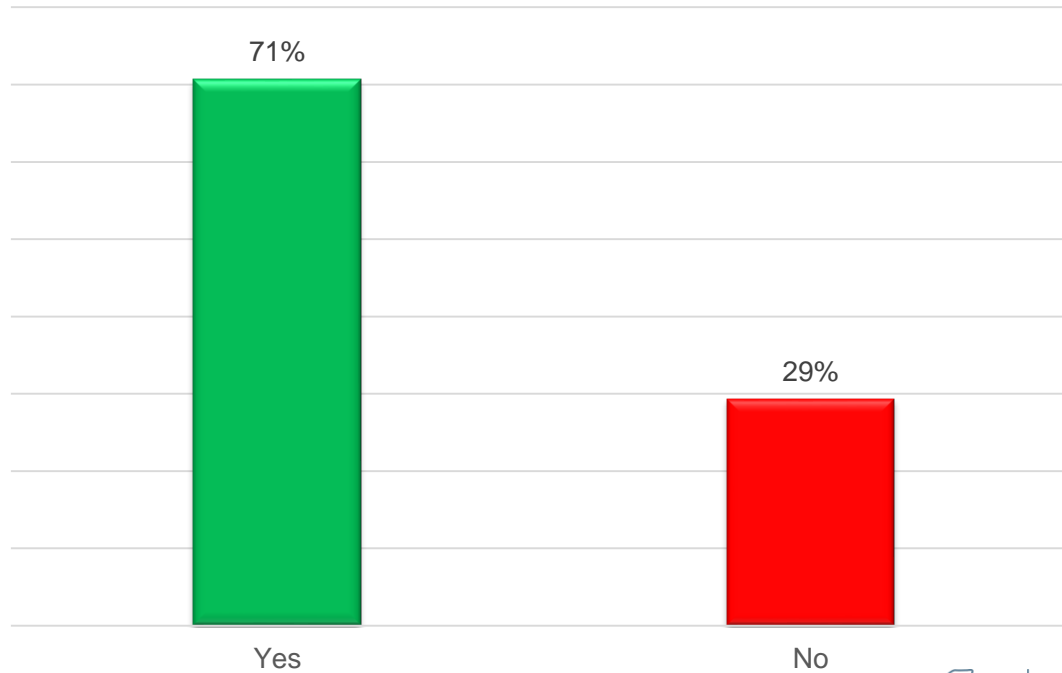# Has your County established mutual aid agreements, compacts, and/or assistance agreements that include the following?

	Private Sector Partners	Non-Governmental Organizations	Tribal Nations
Yes	79%	90%	12%
No	19%	10%	88%

What type of EOC structure does your County use?

Departmental or ESF Structure 22%

Other 4%

Incident Support Model 7%

ICS/ICS-like 67%

Has your County used NIMS typing for any resources or response teams?

NIMS Typed Teams

- As part of the survey, Counties identified a variety of NIMS-typed teams to include:
  - HazMat Teams
  - Urban Search and Rescue Teams
  - Fire Departments and Apparatus
  - Swift Water Rescue Teams
  - Rope/Technical Rescue Teams
  - EMS equipment
  - Storm Emergency Fire Units
  - SWAT Teams
  - Bomb Squads
  - K-9 Teams
  - Special Operations Teams
  - Trench Rescue Teams
  - Confined Space Teams

NYSEMA/ DHSES Partnership

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NYS Mass Gathering Planning Guide

- DHSES worked closely with NYSEMA and the State Police to produce a Mass Gathering Planning Guide (released in June 2018).

- Offers a variety of preparedness and security options to consider when planning a mass gathering event.

- It is intended to serve as a framework to help inform planning and operational decisions, and not as a step by step list of instructions.

New York State
Mass Gathering
Planning Guide

June 2018

NYSEMA
New York State Emergency
Management Association

NEW YORK STATE | State Police

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School Violence/Active Shooter Guide

- DHSES is currently working with NYSEMA, the State Police, and other partners produce a School Violence/Active Shooter Guide (anticipated release in spring/summer of 2019).

- It is intended to serve as a resource for schools and their public safety partners, to include local emergency managers.

- A concise/high-level document that offers planning considerations related to all phases of emergency management. Does not include new mandates for schools and their partners.

- The guide will include an appendix with links to additional resources.

DHSES' UAS Program

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DHSES' UAS Program

- DHSES and several other State and local agencies have developed (or are developing) UAS programs.

- DHSES has a COA to operate nationwide under 400 ft.; we also have several (9) trained and FAA certified UAS pilots.

- OFPC is currently the lead for DHSES but we are working to develop capability across the agency. OEM and OIEC also have drones.

- DHSES currently has 19 UAVs, including some high-end models with zoom and infrared cameras (Matrice), a few smaller more compact models (Mavic) for rapid deployment, and several more basic models (Inspire) mainly used for training purposes.

DJI Matrice 210

DJI Mavic Pro

DJI Inspire 1

DHSES' UAS Program

- DHSES will work to support State and local mission requests to the degree possible; mission requests should flow through Regional Staff or State Watch Center.

- As with other requests, requester should articulate the mission and let us determine if a drone is appropriate.

- Numerous factors need to be considered before accepting a mission, including: type of mission, weather, resource availability, airspace approval and <u>safety.</u>

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UAS Training at the SPTC

- The FAA has a certification process for UAS pilots, but no formal training curriculum exists.

- DHSES partnering with State and local agencies (and NCSP) to develop UAS training program
  - Awareness
  - Part 107 Prep Course
  - Basic Operator
  - Advanced Operator
  - Refresher

  Nearly 500 trained to date!

- The 2019 UAS Training calendar is available on DHSES' website: http://www.dhses.ny.gov/training/

Upcoming Events

- **The 2nd Annual Drone Summit** – Tuesday, August 13th (tent.)
  - Seeking input on topics and call for presentations.

- **Drone Olympics** – Wednesday, August 14th (tent.)
  - Bringing together drone teams from public safety agencies to compete in advanced, hands-on training scenarios.
  - Both events will be held at the State Preparedness Training Center (SPTC).

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Questions?