Cross-Sector Collaboration with Juvare Exchange

May 23, 2019 1-2 pm ET
Agenda

• Introduction
• Overview of the NISC
• Cross-Sector Collaboration with Juvare Exchange
• Q&A
• Quiz for those seeking Continuing Education Units (CEUs)
Today’s Speakers

Sean McSpaden, NISC Executive Director

Sanjay Satagopan, Product Manager, Juvare
Continuing Education Units (CEUs)

- CEUs will be awarded to participants that watch the webinar and complete the quiz following the webinar
- 0.1 CEUs for this hour-long event
Learning Objectives

After the webinar, participants will be able to:

1. Explain the concept of Juvare Exchange.

2. Identify the key features of Juvare Exchange Version 1.0.0.

3. Identify the priority features for future versions of Juvare Exchange.

If you have questions during the webinar, please submit using the question feature in GoToWebinar.
NISC Mission-Focused Job Aids Webinar Series

• In-depth discussion of tools, techniques, and standard operating procedures used for information sharing
• Webinar content applicable to multiple fields, including:
  • Homeland security,
  • Emergency management,
  • Public safety,
  • First responder, and
  • Healthcare preparedness.
NISC Mission-Focused Job Aids Webinar Series

• **June 27:** First Responders Communities of Practice, DHS S&T First Responders Group

• **August 29:** CUSEC: Shaken Fury 2019

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National Information Sharing Consortium

The NISC is a non-profit organization devoted to improving information sharing at all levels of government and for all homeland security, emergency management, first responder, healthcare, and public safety stakeholders.
NISC Members Span Multiple Domains & Disciplines

Public Sector – Private Sector – Non-profits

- Communications
- Critical Infrastructure
- Emergency Management
- EMS
- Fire
- GIS

- Information Technology
- Law Enforcement
- Military
- Private Industry
- Public Health
- Homeland Security
Member Benefits & Application

• Guidance and technical assistance
• Knowledge exchange and networking opportunities
• Access to the NISC Member Portal


Or click ‘Join’ at the top of any webpage on [www.nisconsortium.org](http://www.nisconsortium.org)
Juvare’s mission is to strengthen and optimize information sharing to empower preparedness and response professionals to protect people, property, and brands.

Today incident preparation and response is siloed

There are many organizations involved and coordination at scale remains a challenge

There is no standardization for information and data sharing between public, private, healthcare, and volunteer organizations.
Uniquely Positioned For Juvare Exchange

Connects 3,500 US Hospitals

600 Emergency Management Operations

50+ Federal Departments & Agencies

42 State Public Health Agencies

55 Corporations

1000's of Local Jurisdictions

22 of the Largest Non-Profit US Health Systems

20 Countries & 50 States
Borderless Data is Needed

“Emergency managers and public safety professionals need to see data beyond borders.”

Jeff Dulin, International Association of Fire Chiefs
Data Availability

- There’s a hurricane coming in, I wish I knew where I should open shelters and whether any of them need to be medical shelters. I need to evacuate my facility, I wish I knew what shelters EM has made available that can accommodate my patients.

- I just had a major accident with a hazardous material release at my facility. I need to let EM know so they can assess and coordinate with responders and the public. I heard that there was an accident at the chemical manufacturing facility. I wish I had known about it sooner so that I could have decided whether I need to worry about any hazardous material release.

- I wish I’d known that the roads around the airport were closed. I would have sent the victims from the MCI at the airport to a different trauma center.
Resources are Needed

“Juvare and WebEOC would be a great resource for our hospital. We are in desperate need of generators and other supplies.”

Amanda Hamilton, Case Worker
Jackson Hospital, Marianna, FL
Resource Availability

- I wish I knew what pharmacies were able to remain open through this hurricane, people are asking me where to go to get their medication.

- I wonder if any of those hospitals that were in the path of the storm need generators, I have some that I could send over.

- I really need a bunch of water so I can put them in my PODs. I need to request them from FEMA now so I can get them in time.
Open Information is Needed

“I hope more states and local governments share information this openly during emergencies. (Or commit to building the capability to do so) Helping citizens get back on their feet faster.”

Gabriele Almon
Member, National Advisory Council, FEMA
Information Availability

- I need to let my public know where they can go for shelter from the hurricane. I wish there was an easy way to make sure they can get that info.

- My store is open and I want to help. - I wish I had an easy way to let my public know that these hotels and hardware stores are open so they can leave these shelters and start rebuilding.

- These roads are closed because of flooding, I wish I could let drivers know to avoid those areas.
Juvare Exchange is the first-of-its-kind collaborative incident management network connecting the public, private and healthcare sectors in real time.
Incidents are Increasing and Demand Increased Collaboration

<table>
<thead>
<tr>
<th>Incident</th>
<th>Organizations</th>
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<tbody>
<tr>
<td>California Wildfires</td>
<td>CAL OES &amp; 10+ Counties’ EMAs - WebEOC, 5+ County Health Departments - EMResource</td>
</tr>
<tr>
<td>Hurricane Harvey</td>
<td>Houston EMA &amp; Texas Dept of EM - WebEOC, Texas Health &amp; Human Services - CORES RMS, EMResource, Adventist Health System + Enlo Medical - eICS, Southwest &amp; American Airlines - WebEOC</td>
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Collaboration Powered by:

- Critical Data
  - Dashboard/Mapping
  - 3rd Party Data
  - Analytics

- Comprehensive Resource Hub
  - Real-time availability
  - Direct resource requests
  - Resource marketplace

- Dynamic Communication
  - Directory
  - Private groups
  - Messaging
## Juvare Exchange v1.0.0 Features

<table>
<thead>
<tr>
<th>Functionality</th>
<th>External Data</th>
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</thead>
<tbody>
<tr>
<td>• Share data through JX using JX Networks with admin and end user controls</td>
<td>• Weather alerts from the National Weather Service</td>
</tr>
<tr>
<td>• Dashboard with Summary Status Indicators, Map view, and Update Feed of changes</td>
<td>• Shelters from the National Shelter System</td>
</tr>
<tr>
<td>• Directory of participants and JX networks</td>
<td>• Health advisories from CDC HAN</td>
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<tr>
<td>• Lifelines through JX</td>
<td>• Traffic/Road Status from HERE.com</td>
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<tr>
<td>• Integration with eICS, EMResource, and WebEOC</td>
<td>• Retail store status from SABER</td>
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## Juvare Exchange Priorities

### Functionality
- Audit Log to help see what data is being shared and with whom
- Incident Timeline Reports
- Query API with integration into client applications
- Output to GIS
- Public portal for read-only information
- Resource Requests

### External Data
- Curated Social Media activity
- News Feeds
- Power Outages
- Real-Time Weather layer
- Gas Station info from GasBuddy
- Pharmacy status from RxOpen
# Future Evolution of Juvare Exchange

## Functionality
- Data Validation
- Mobile Support within existing Juvare apps
- Input from non-participants
- Custom dashboard
- Custom reports
- Notifications
- Messaging
- Historical analytics
- Integration with CORES
- Integration with EMTrack
- Integration with non-Juvare applications

## External Data
- Advanced Traffic Management Systems
- Traffic Cameras
- Computer Aided Dispatch
- Waze
- FlightAware
- Flood Sensors
- Earthquake Alert Systems
- Flu trackers
- Non-commercial Housing (AirBnB)
- and more…
Community Building

- Create Networks
  - Form clusters of Federal, State, Local, Community and Private partners that can connect and grow organically
    - FEMA -> States -> Local
    - State/Local EM -> Local Healthcare Providers -> State/Local Public Health -> Private Corporations
    - FAA -> State/Local EM -> Airports/Airlines
    - ...

Client Quotes:

Having awareness of any event impacting transportation and having the ability to get more information as the event unfolds would be very valuable to our operations at TSA.

System Owner, Transportation Security Administration

One central focus point for this information would cut down on the clutter and confusion.

Emergency Management Specialist, Health and Human Services

We have channels for the types of data feeds you offer, but they are scattered – if we can consolidate it would be very valuable.

Emergency Response Team, Delta Airlines
Contact

Sanjay Satagopan
Product Manager
sanjay.satagopan@juvare.com
Prepare. **Connect.** Respond.
Q&A

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Quiz

- Following the webinar you will be prompted to complete a quiz
- Complete the quiz to receive your continuing education units (CEUs) for this session