Danielle’s Dilemma

A 2016 Northeast Florida Healthcare Coalition Exercise
Welcome and Introductions

- Name
- Agency
- Position
Administrative Notes

- Phones, pagers, radios
- Bathrooms
- Breaks
- Fire Exits
- Assembly Points
- Smoking
- Refreshments
## Exercise Agenda

<table>
<thead>
<tr>
<th>DATE and TIME</th>
<th>ACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday, April 27, 2016  from 12:30 p.m. – 4:30 p.m.</strong></td>
<td><strong>Registration &amp; Check-In</strong></td>
</tr>
<tr>
<td><strong>12:30 pm – 1:00 pm</strong></td>
<td><strong>Welcome &amp; Introductions</strong></td>
</tr>
<tr>
<td><strong>1:00 pm – 1:15 pm</strong></td>
<td><strong>Exercise Briefing</strong></td>
</tr>
<tr>
<td><strong>1:15 pm – 1:30 pm</strong></td>
<td><strong>START EXERCISE</strong>&lt;br&gt;Module 1: 48 hours before Storm</td>
</tr>
<tr>
<td><strong>1:30 pm – 2:20 pm</strong></td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td><strong>2:20 pm – 2:30 pm</strong></td>
<td><strong>Module 2: Response (First 4 hours)</strong></td>
</tr>
<tr>
<td><strong>2:30 pm – 3:10 pm</strong></td>
<td><strong>Break</strong></td>
</tr>
<tr>
<td><strong>3:10 pm – 3:20 pm</strong></td>
<td><strong>Module 3: Response (Hours 4 - 72 post-storm)</strong></td>
</tr>
<tr>
<td><strong>3:20 pm – 4:00 pm</strong></td>
<td><strong>Hot Wash &amp; Participant Evaluation</strong></td>
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</table>
Goal of the Exercise (TTX)

- To practice coordination and communication activities during a hurricane event.

- County Emergency Management
- County Health Department
- Hospitals
- Healthcare (non-hospital)
- EMS & Transportation Providers
<table>
<thead>
<tr>
<th>Capability</th>
<th>Program</th>
<th>Core Capability Crosswalk</th>
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</thead>
<tbody>
<tr>
<td>#2 - Healthcare System Recovery (Function 2: Continuity of Operations)</td>
<td>HPP and PHEP</td>
<td>Planning (Continuity of Operations)</td>
</tr>
<tr>
<td>#3 – Emergency Operations &amp; Coordination</td>
<td>HPP and PHEP</td>
<td>Emergency Operations Coordination</td>
</tr>
<tr>
<td>#6 – Information Sharing</td>
<td>HPP and PHEP</td>
<td>Operational Communications</td>
</tr>
<tr>
<td>#10 – Medical Surge</td>
<td>HPP and PHEP</td>
<td>Public Health and Medical Services</td>
</tr>
</tbody>
</table>
Objectives

- **Exercise Objective #1:**

  **Healthcare System Recovery**

  Assess and evaluate the plans and procedures to evacuate and transport people during an evacuation, particularly those in medical facilities or with special needs.
Objectives cont.

- **Exercise Objective #2:**
  
  *Emergency Operations Coordination*

  Evaluate and assess communications and coordination with Emergency Support Function 8 (Health and Medical) at the County level
Exercise Objective #3: Information Sharing
Assess and evaluate the Healthcare Coalition’s new Communications Plan for notification, which will provide regional situational awareness and updates to member organizations and agencies
Objectives cont.

• *Exercise Objective #4: Medical Surge*

Assess and evaluate immediate bed availability of staffed beds for patients suffering from severe medical conditions within four (4) hours of a disaster
So what are we really doing?

- Testing ability to transfer patients from evacuating facilities?
- How do we move those people to their receiving facility?
- How do we track these people?
- How are we coordinating resource needs?
Roles & Responsibilities

- **Players:** Players are personnel who are active in discussing roles and responsibilities during the exercise.

- **Observer:** Observers do not directly participate in the exercise. Observers participate to gain situational awareness on key stakeholders response activities.

- **Facilitator(s):** Facilitators provide situation updates to control the pace of the exercise and moderate discussions.

- **Evaluators:** Evaluators are assigned to observe and document certain objectives during the exercise.
Exercise Structure

- This exercise will be a facilitated exercise. Players will participate in full group discussions during the following three modules:
  
  - Module 1: Preparation/Evacuation
  - Module 2: Response (first 4 hours)
  - Module 3: Response (hours 4 to 72)
Assumptions & Artificalities

- Plausible scenario, events occur as presented.
- No “hidden agendas” or trick questions.
- Everyone receives information at about the same time.
- Non-participating entities will respond as expected in applicable plans.
Summary Instructions

- Work with local County agencies.
- Reach out beyond County partners when needed.
- Use your plans, policies, practices to complete tasks.
- The schedule needs to be flexible.
Start Exercise
Pre-Storm Information
96-hour Outlook

- Hurricane Danielle is churning westward over the warm waters of the Atlantic Ocean

- Models are beginning to show agreement on an east coast impact between Florida and North Carolina
NHC Advisory:
Tropical Storm Wind Probabilities (58 mph+)
96 hours
96-hour Outlook

PRELIMINARY (SINGLE STORM) Hurricane Force Wind Speed Probabilities

Probability of sustained hurricane force surface winds (1-minute average of 74 mph or greater)

NHC Advisory
Hurricane Force Wind Probabilities (74 mph+)
96 hours
MODULE ONE
Preparation/Evacuation
48 Hours Before Hurricane Danielle

NHC Advisory
TS Warnings & Hurricane Watches Issued

Intensity: Category 2
Winds: 105 mph sustained 130 mph gusts
Rainfall: 10-20 inches
48 Hours Before Hurricane Danielle

NHC Advisory:
Tropical Storm Wind Probabilities (58 mph+)
48 hours

Probability of sustained tropical storm force surface winds (1-minute average of 39 mph or greater)
48 Hours Before Hurricane Danielle

NHC Advisory Hurricane Force Wind Probabilities (74 mph+)
48 hours
Module 1 – Key Issues

- Hurricane Danielle is 48 hour away. TS Warning & Hurricane Watches have been issued for entire region.

- Expected landfall as a Category 2 with sustained winds of 105 mph and gusts to 130

- Rainfall totals will be in the 10-20 inch range, with localized areas near 25 inches. The ground is already saturated from a month of rain.
Module 1 – Key Issues

- Forecasting for hurricanes has changed in recent years, with storm surge separated from Category of storm.
- We have learned that storms vary in size and forward speed, which influence storm surge.
- Lower intensity storms can bring an enormous storm surge – i.e. Sandy, which made landfall as a Category 1.
- Evacuation zones have been changed to letters, instead of directly correlating to category of storm.
# Module 1 – Key Issues

## Storm Surge Predictions

### Potential Storm Tide Height(s) * By County

(In Feet above NAVD88)

<table>
<thead>
<tr>
<th><strong>Storm Strength</strong></th>
<th>Clay</th>
<th>Duval</th>
<th>Flagler</th>
<th>Nassau</th>
<th>Putnam</th>
<th>St. Johns</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1</td>
<td>Up to 3.6’</td>
<td>Up to 6.6’</td>
<td>Up to 6.3’</td>
<td>Up to 6.8’</td>
<td>Up to 4.3’</td>
<td>Up to 6.5’</td>
</tr>
<tr>
<td>Category 2</td>
<td>Up to 5.6’</td>
<td>Up to 11.0’</td>
<td>Up to 12.6’</td>
<td>Up to 12.2’</td>
<td>Up to 6.7’</td>
<td>Up to 11.9’</td>
</tr>
<tr>
<td>Category 3</td>
<td>Up to 9.5’</td>
<td>Up to 19.9’</td>
<td>Up to 18.8’</td>
<td>Up to 16.7’</td>
<td>Up to 9.3’</td>
<td>Up to 19.9’</td>
</tr>
<tr>
<td>Category 4</td>
<td>Up to 13.5’</td>
<td>Up to 22.2’</td>
<td>Up to 24.2’</td>
<td>Up to 21.2’</td>
<td>Up to 12.4’</td>
<td>Up to 24.9’</td>
</tr>
<tr>
<td>Category 5</td>
<td>Up to 16.3’</td>
<td>Up to 28.2’</td>
<td>Up to 27.3’</td>
<td>Up to 27.7’</td>
<td>Up to 14.4’</td>
<td>Up to 29.6’</td>
</tr>
</tbody>
</table>

*Surge heights represent the maximum values from selected SLOSH MEOWs

**Based on the category of storm on the Saffir-Simpson Hurricane Wind Scale
County Emergency Managers anticipate issuing evacuation orders approximately 30 hours prior to TS force winds.

Evacuation orders will be issued for Evacuation Zones A & B

- Duval County issues orders for Zones A, B, & F
Module 1 – Key Issues

- Special Needs Shelters need to be opened prior to an evacuation order to accommodate special needs patients.

<table>
<thead>
<tr>
<th>County</th>
<th>Special Needs Registry #s</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baker County</td>
<td>20</td>
</tr>
<tr>
<td>Clay County</td>
<td>261</td>
</tr>
<tr>
<td>Duval County</td>
<td>370</td>
</tr>
<tr>
<td>Flagler County</td>
<td>345</td>
</tr>
<tr>
<td>Nassau County</td>
<td>100</td>
</tr>
<tr>
<td>St. Johns County</td>
<td>558</td>
</tr>
</tbody>
</table>
Module 1 – Key Issues

Evacuation Zone maps show five hospitals within A and B evacuation zones. What is the evacuation decision?

<table>
<thead>
<tr>
<th>County</th>
<th>Hospital</th>
<th>Zone</th>
<th>Beds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duval County</td>
<td>Baptist MC Beaches</td>
<td>B</td>
<td>146</td>
</tr>
<tr>
<td>Duval County</td>
<td>Baptist MC Downtown/Wolfson’s</td>
<td>A</td>
<td>691</td>
</tr>
<tr>
<td>Duval County</td>
<td>St Vincent’s Riverside</td>
<td>B</td>
<td>528</td>
</tr>
<tr>
<td>Nassau County</td>
<td>Baptist MC Nassau</td>
<td>A</td>
<td>62</td>
</tr>
<tr>
<td>St. Johns County</td>
<td>Flagler Hospital</td>
<td>B</td>
<td>335</td>
</tr>
</tbody>
</table>

**Total Beds**: 1,762
Module 1 – Key Issues

- There are multiple healthcare related facilities with clients that will need to be evacuated.

<table>
<thead>
<tr>
<th></th>
<th>Healthcare Facility Beds By Evacuation Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td>Baker County</td>
<td>0</td>
</tr>
<tr>
<td>Clay County</td>
<td>0</td>
</tr>
<tr>
<td>Duval County</td>
<td>335</td>
</tr>
<tr>
<td>Flagler County</td>
<td>0</td>
</tr>
<tr>
<td>Nassau County</td>
<td>260</td>
</tr>
<tr>
<td>St. Johns County</td>
<td>186</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>781</td>
</tr>
</tbody>
</table>
Module 1 – Key Issues

- Hospitals and other healthcare facilities have evacuation needs with only 48 hours until storm impact.
- 2,512 beds in healthcare (non-hospital) related facilities
- 1,762 hospital beds in A and B evacuation zones (includes zone F for Duval County).
Module 1 – Questions/Issue Areas

- Use recommended topic areas to coordinate with your local County partners. Cross County lines when needed.

- Who is evacuating?
- Who is transporting them?
- Where are they going (home, shelter, hospital)?
- Who is receiving them?
- What are resource & support needs?
- How are patients being tracked?

_Hospitals – fill out cards and turn in_
MODULE ONE

Report Out
BREAK
Be back in 10 Minutes
MODULE TWO

Response (First 4 hours)
Landfall near Palm Valley, Florida

Intensity: Category 2
Winds: 100 mph sustained 125 mph gusts
Landfall

- Slow moving hurricane with a forward motion of 10 mph.
  - Hurricane and tropical storm force winds will hammer the region
  - Could be 10 hours before winds subside
  - Water is piling up in the coastal waterways and estuaries, as well as the St. Johns River
  - Duval County has significant flooding in Arlington River and Pottburg Creek
Module 2 – Key Issues

- The storm is overhead and will not exit the region for ~10 hours. Tropical storm and hurricane force winds are pounding the region.

- 10-20 inches of rain on already saturated grounds is adding to the flooding concerns across the region.

- Agencies and resources are waiting out the storm before implementing response activities. Area roads and bridges are closed due to debris and high winds.
Module 2 – Key Issues

- Duval County has additional healthcare facilities (non-hospital) that are experiencing flooding along the Arlington River and Pottsburg Creek.

- An additional 220 beds/people are in facilities that need to be evacuated. They will require housing and transportation immediately.
Module 2 – Key Issues

- Emergency Operations Centers (EOCs) are inundated with calls from local citizens on where they can find shelter. Many are leaving their homes to find safer alternatives. Incoming calls cannot be answered fast enough.

- Power has been lost for much of the region. It will be hours, if not days, before local utilities can assess damage and make repairs to the water/wastewater systems and electric grid.
MODULE TWO

Issue Areas
Module 2 – Questions/Issue Areas

- Use recommended topic areas to coordinate with your local County partners. Cross County lines when needed.
  - How are you preparing to respond once conditions allow?
  - How are you preparing for the next wave of arrivals at shelters and hospitals?
  - How will these people be moved?
  - What are resource & support needs?
MODULE TWO
Report Out
MODULE THREE
Response (hours 4 to 72)
Damage Reports
Damage Reports
Damage Reports
Damage Reports
Local Conditions

- Flooding along the St. Johns River is so severe that Baptist Downtown/Wolfsons and St. Vincent’s Riverside has become an island. Road access in and out of these areas is impossible.
Local Conditions

- Additionally, areas along the Intracoastal Waterway are flooded. The first floor of the Mayo Clinic in Duval County and Flagler Hospital in St. Johns County has standing water.
Module 3 – Key Issues

- Search and Rescue efforts are underway throughout the region. Barrier Island and beach communities to the east of the Intracoastal Waterway are closed until reentry has been approved.

- Several hospitals located along the St. Johns River and the Intracoastal Waterway are not receiving patients until hospital grounds are clear and facilities have been inspected.
Module 3 – Key Issues

- Local hospitals are beginning to see a lot of people come to their emergency rooms with injuries. There are severe lacerations and puncture wounds, followed by fractures, sprains/strains, and pains.

Many of these people will require hospitals stays.
Module 3 – Key Issues

- 60% of the shelter population still remains at local shelters at the 72 hour mark. Almost 80% of those in local special needs shelters remain.

<table>
<thead>
<tr>
<th>County</th>
<th>Special Needs Registry #s</th>
<th>80% that remain in SpNS Shelter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baker</td>
<td>20</td>
<td>12</td>
</tr>
<tr>
<td>Clay</td>
<td>261</td>
<td>208</td>
</tr>
<tr>
<td>Duval</td>
<td>370</td>
<td>296</td>
</tr>
<tr>
<td>Flagler</td>
<td>345</td>
<td>276</td>
</tr>
<tr>
<td>Nassau</td>
<td>100</td>
<td>80</td>
</tr>
<tr>
<td>St. Johns</td>
<td>558</td>
<td>447</td>
</tr>
</tbody>
</table>
Module 3 – Key Issues

Shelters

- What is the plan for long-term housing and care greater than 72 hours?

- Some of the special needs shelter residents have deteriorated beyond the point of care at a public shelter and will require transfer to a hospital.
Module 3 – Key Issues

- Additional people are arriving at local shelters. The increased flooding and rainfall has resulted in people flocking to their closest shelter to escape rising waters.

- Shelter managers are concerned because they are exceeding shelter space and resources with the new influx of people.
Module 3 – Key Issues

- Shelters in the coastal counties will need to accommodate more people, including increases in those that need to access the special needs shelters.

- Many of the people showing up at special needs shelters require greater care than can be offered. These people need to go to the hospital for proper care and treatment.
Module 3 – Key Issues

- Local EOCs are receiving constant phone calls from people trying to search for their family and loved ones.
- Some people report that their loved ones are special needs but are not sure what shelter they might be located in?
- A vast majority of the calls are from people requesting wellness checks on family members or pets.
MODULE THREE

Issue Areas

Northeast Florida Healthcare Coalition
For Disaster Preparedness
Module 3 – Questions/Issue Areas

- Use recommended topic areas to coordinate with your local County partners. Cross County lines when needed.
  - What are plans for dealing with increased demand at shelters and hospitals?
  - Who is transporting from shelters to hospitals?
  - What are plans to reoccupy evacuated facilities?
  - What are resource & support needs?
  - How are patients being tracked?

*Hospitals – fill out cards and turn in*
MODULE THREE
Report Out

Northeast Florida Healthcare Coalition
For Disaster Preparedness
Group Hot Wash

- Group Discussion – Brief Out
  - Three Strengths
  - Three Areas for Improvement
  - Lessons Learned

- Please complete the evaluation form and turn it in to the facilitator or other designated person.
Thank you for your participation and valuable input