Irma - No Clinical Impact

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Irma – *No* Clinical Impact

Baptist Health South Florida
Disclosure

Donna Lee Armaignac, PhD, RN-CNS, CCNS, CCRN
I am just the reporter/journalist for this presentation
Hurricane Irma – ‘No’ Clinical Impact

Leslee Gross, RN, MHCA, AVP Operations; Louis T. Gidel PhD, MD, Medical Director; Lisa-Mae Williams MSN, RN, Operations Director; Eduardo Martinez DeBouchet, MD, Associate Medical Director; Carlos A. Valle RT, Telehealth Data Analyst; Donna Lee Armagnac PhD, RN-CNS, Reporter

CHALLENGE
Disaster Preparedness Department
Policy - Baptist Health have a responsibility to the community to maintain public health and safety

PLANNING
Disaster Preparedness Department
Policy - Baptist Health have a responsibility to the community to maintain public health and safety

PREPAREDNESS LEVEL ACTIVATION
9/05 Level 3 monitoring and assessing
9/06 Level 2 - A/B teams notified. Teams are re-randomized planning for 4 Hurricanes per-year
9/07 Evacuate and close Keys hospitals
9/08 Level 1 - Emergency Operation Incident Command Activated

EMERGENCY DEPARTMENTS
- EDs 50% - 100% over capacity per entity over period
- ICUs all full
- Mobile carts constant use
- eMDs – new role overseeing admissions - hospital discharges
- Injuries pre-hurricane – shutters etc

Expecting Families

Refuge for ALL – Employees and their Families

SOLUTION - Not any port in a storm
9/09 Team A reports 0700, Irma approaches
9/10 Irma arrives
9/11 Team B reports 0700 after all clear, return to Level 3
9/15 Mariner’s hospital re-opens
9/20 Open field hospital at Fisherman’s hospital site

Telehealth Center of Excellence
BEACON for System Transfer Center-Bridge Office of the Watch

- SOP tele-psych and tele-stoke
- Bed placement
- Patient Transports/Transfers
  - 25% pre-storm % (closed two hospitals)
  - 75% after all clear
- Transportation of staff etc. after all clear non-emergency vehicles
- Which Docs were in ORs and when we could send cases
- Volume of non-patients in-house
- D/C power mechanically electrical dependent patients
- Couldn’t send d/c’d patients home to no electricity
- WKBH auditorium opened for discharged patient accommodation
- FIU secondary location with telehealth remotely
- Hyperbaric chamber knocked out
- Find state facilities CO poisoning

eICU was the Port in the Storm for ALL
- Flexing - Everyone was a Generalist
- eICU cared for non-ICU patients
- WhatsApp communication
- Exponential Teamwork

Mobile Hospital set up in the Keys

CONCLUSION - No Hurricane related deaths!
EOC, Experience. Pre-planned systems did not fail, Not a time to think ‘outside the box’

LESSONS LEARNED
- No internet or cell service
- Remember Walkie Talkies??
- Improved food planning
- Shower sign
- Garbage
- Bathroom
- Create a third team ‘C’
Challenge
Planning

9/05 Level 3 monitoring and assessing
9/06 Level 2 - A/B teams notified. Teams are re-randomized planning for 4 Hurricanes per/year
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9/09 Team A reports 0700, Irma approaches
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9/15 Mariner’s hospital re-opens
9/26 Open field hospital at Fisherman’s hospital site
Emergency Departments

- EDs 50% - 100% over capacity per entity over period
- ICUs all full
- Mobile carts constant use
- eMDs – new role overseeing admissions - hospital discharges
- Injuries pre-hurricane – shutters etc
Expecting Families

Refuge for ALL: Employees and their Families
Telehealth Center of Excellence

BEACON for System

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Transfer Center – Bridge Office of the Watch

- **SOP tele-psych and tele-stoke**
  - Bed placement
  - Patient Transports/Transfers
    - ^25% pre-storm % (closed two hospitals)
    - ^75% after all clear
    - Transportation of staff et al. after all clear non-emergency vehicles
  - Which Docs were in ORs and when we could send cases
  - Volume of non-patients in-house
  - D/C power mechanically electrical dependent patients
    - Couldn’t send d/c’d patients home to no electricity
    - WKBH auditorium opened for discharged patient accommodation
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eICU – the Port in the Storm for ALL

- **Flexing** – Everyone was a Generalist
- eICU cared for non-ICU patients
- WhatsApp communication
- Exponential Teamwork
Conference room and offices: a home away from home
Hurricane Debrief

- No internet or cell service
- Remember Walkie Talkies????
- Improved food planning
- Shower sign
- Garbage
- Bathroom
- Create a third team ‘C’
Improved food planning

Whole Foods Market
Coral Gables
Daily Hours
8:00 AM – 10:00 PM

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Mobile Hospital set up in the Keys

9/15 – Mariner’s hospital re-opens
9/26 – Open field hospital at Fisherman’s hospital site
No Irma Related Deaths – *Why No* Clinical Impact?

- EOC
- Experience
- Pre-planned systems did not fail
- Not a time to think *outside the box*
- Wayne Brackin et al
- [https://vimeo.com/234497570](https://vimeo.com/234497570)