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Irma - No Clinical Impact

Donna Lee Armaignac

Baptist Health South Florida, donnawa@baptisthealth.net

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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 Armaignac PhD, RN-CNS, Reporter

CHALLENGE



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



- 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
- 9/26 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

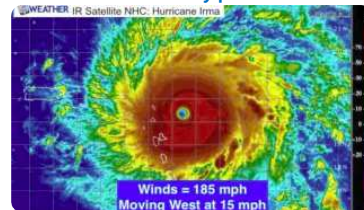
Expecting Families



Refuge for ALL – Employees and their Families



SOLUTION - Not any port in a storm



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 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
 - 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'

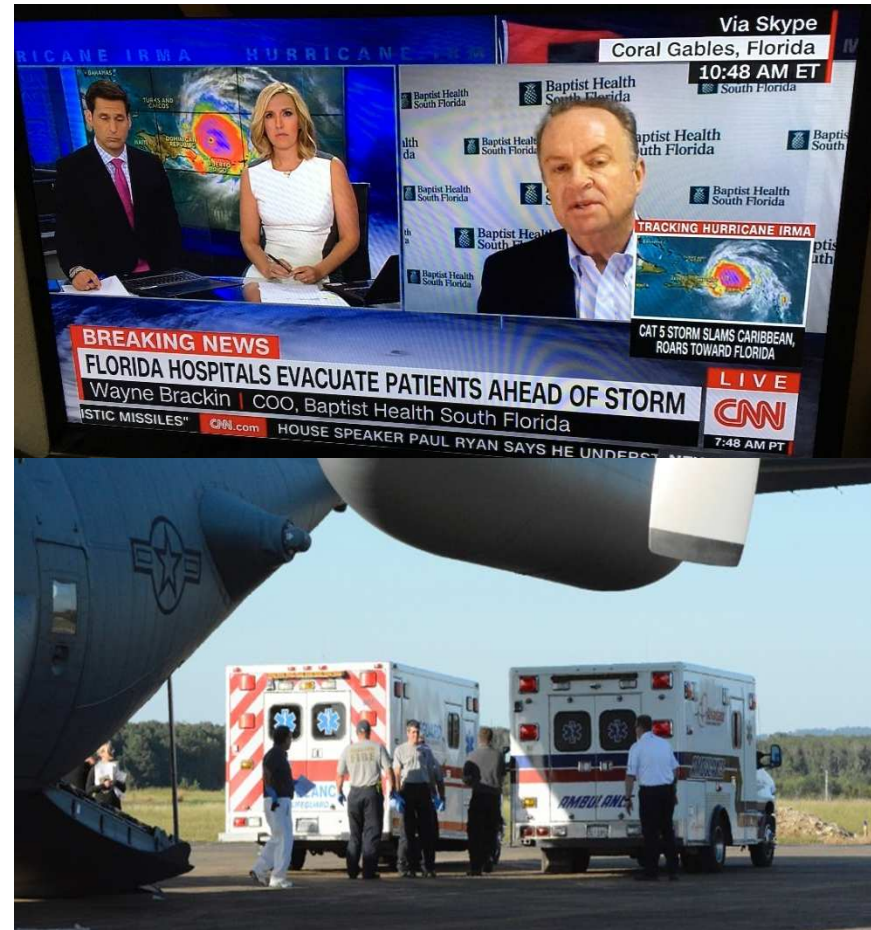


Challenge



Planning

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Expecting Families



Refuge for ALL: Employees and their Families



Telehealth Center of Excellence

BEACON for System



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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



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://newsroom.baptisthealth.net/press-release/video-hurricane-irma-earned-media-recap-september-2017/>
- <https://vimeo.com/234497570>