

Emergency Response in the 21st Century

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RT @newsbreaker: 'VIOLENT rotation on radar:
confirmed wedge tornado moving into W.
Hattiesburg NOW. Take cover!!
'<http://t.co/qAsbIk4R> ...

RT @Jake_WLBT: LIVE streaming coverage from John Sibley
of a large, wedge tornado moving into Hattiesburg and
Oak Grove: #mswx <http://t...>

Can Twitter Save Lives?

- 82 injuries
- 80,000+ tweets
 - ~2 fold increase in activity
- 10,000+ users
 - ~2.5 fold increase in users



<http://media.gulfive.com/mississippi-press/photo/2013/02/-2c4dd32d55ecff59.jpg>



<http://www.gannett-cdn.com/-mm-/b6ae2e62ccab9f264e590b498ede17c9b2744336/c=444-0-3740-2472&w=x383&c=540x380/local/>

i hear the tornado on hwy 98 in the Burg is that true?

RT @spann: SIGNIFICANT DEBRIS SIGNATURE ON DUAL POL DATA MOVING
INTO HATTIESBURG!!! PEOPLE NEED TO BE IN SHELTER NOW!!!
<http://t.co/HKq...>



Crisis leads to Opportunity

- ▶ “When written in Chinese, the word, ‘crisis,’ is composed of two characters. One represents danger and the other represents opportunity.”



WCUCOM Project HiRO



- ▶ CO-PI:
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 - Guy Paul Cooper, OMS III
- ▶ Research Team:
 - Nicole Henry, OMS I
 - Jarred Mullins, OMS II
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- ▶ Faculty:
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Drone Technology



- ▶ Pilot & Provider HD Video
- ▶ Flight Camera Stabilization
- ▶ 15-20 min. flight time
- ▶ 35-45mph
- ▶ 6-10 mile transmission range
- ▶ GPS & Waypoint equipped
- ▶ Remote controlled load deployment
- ▶ ~20 pound payload
- ▶ Engine failure Safety & parachute

Telemedicine Kit



- ▶ Cardiac Kit (as demonstrated)
 - Face to Face communication
 - AED
 - ECG and heart rate
 - Blood Pressure
 - Pulse Oximetry
 - Aspirin, Nitroglycerin
 - Glucometer
 - Oxygen tank (optional)
 - Shears, Razors, Alcohol wipes

Modular Uses

Search and Rescue

Infectious Diseases

HAZMAT RESPONSE

Disaster Response



Bioterrorism

Mass Casualty

Rural EMS

Wilderness Medicine

EPIDEMICS

Working Prototype

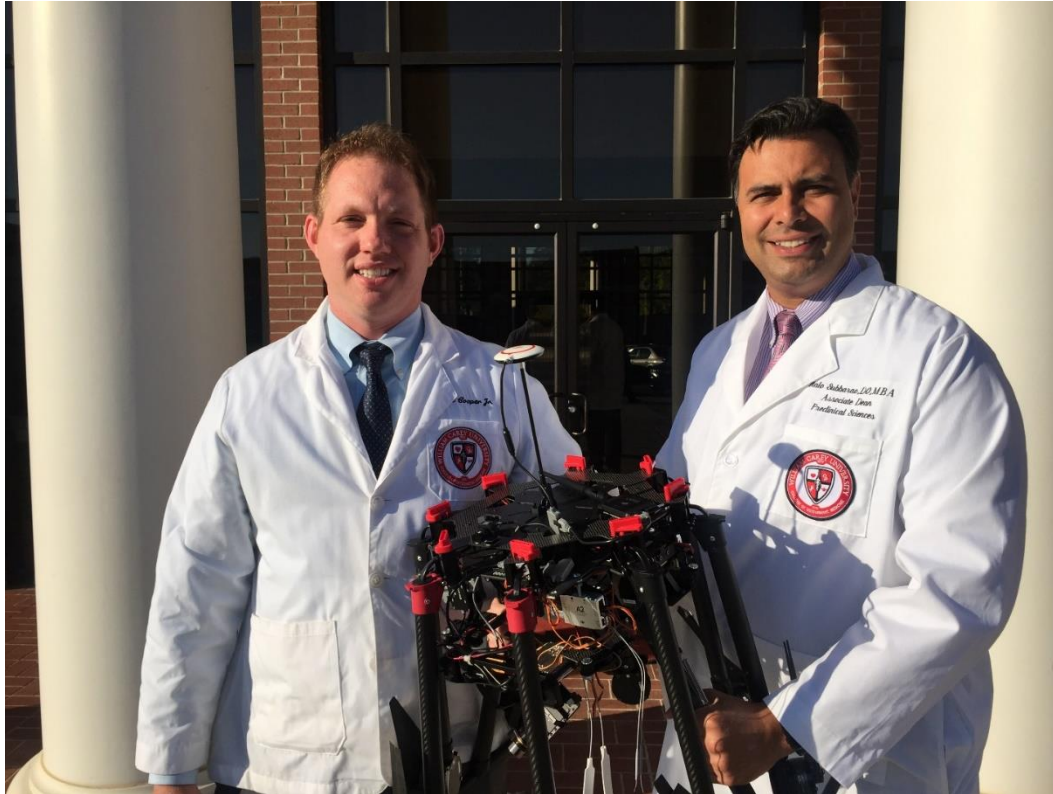
<https://www.youtube.com/watch?v=X4w2HyEynnM>



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Thank You!



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