

Environmental Health in Emergencies and Special Events

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Possible roles of EHS during disaster

- Food Safety
- Potable Water
- Wastewater
- Shelters
- Vector Control
- Responder Safety
- Disaster Management
- Solid Waste and Hazardous Materials
- Building Assessments
- Population Monitoring



Source: DisasterAssistance.gov

Food Safety in a Disaster: Prepare Ahead!

- Good relationship with facilities is key to preparing for a disaster
- If a storm is known and may affect establishments, make contact

Food Safety After a Storm:

Information for Food Service Establishments

Plan Ahead

- Check refrigeration and freezers for working thermometers
- Store canned food and single service on higher shelves to avoid flood waters
- Freeze any food that is not immediately needed before a big storm

When to Close

- No electricity and/or water
- Insufficient water pressure for cleaning and/or handwashing
- Wastewater back-up or damage to septic system
- Damage to walls or roof that cause potential for food contamination
- Flood waters present inside food establishment

Cleaning up

- When in doubt, **THROW IT OUT**
- Clean and sanitize utensils, equipment, and food contact surfaces
- Discard food or single service utensils that contacted flood water
- Check food temperatures and discard time/temperature control for safety (TCS) foods that have been out of temperature for >4 hours

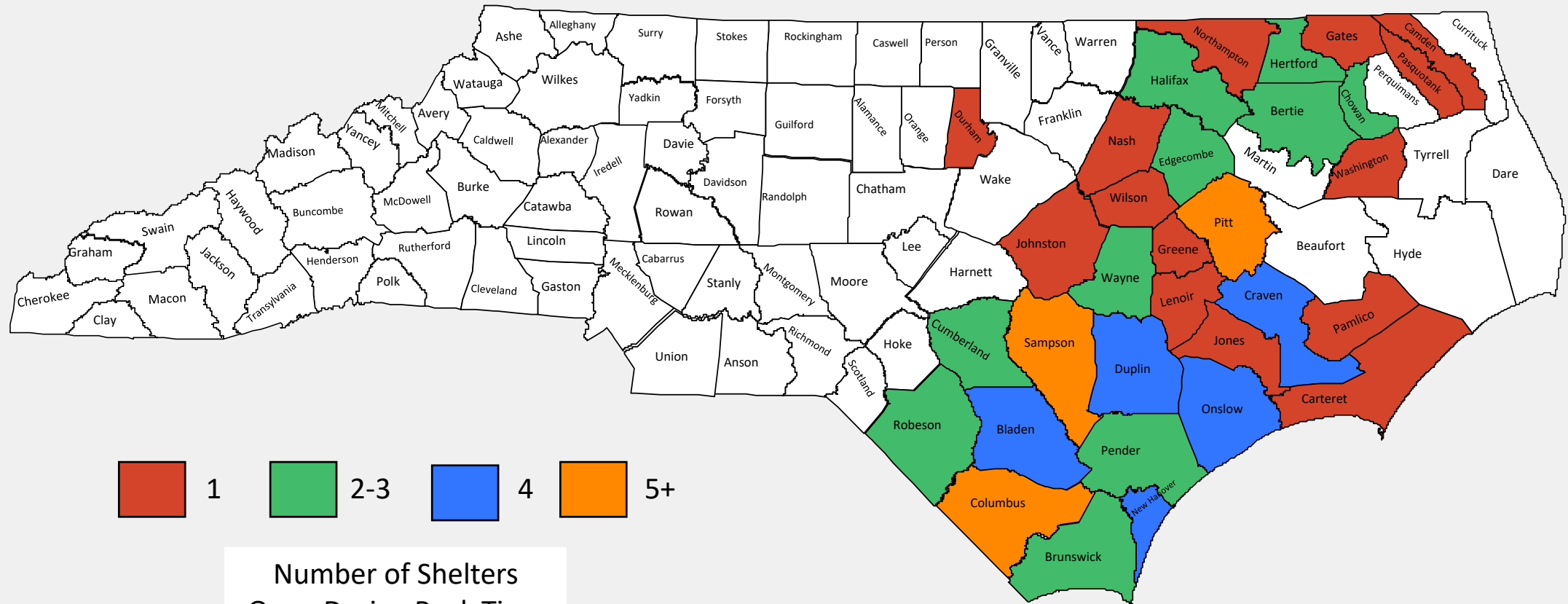
Questions?

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Hurricane Dorian Shelter Map



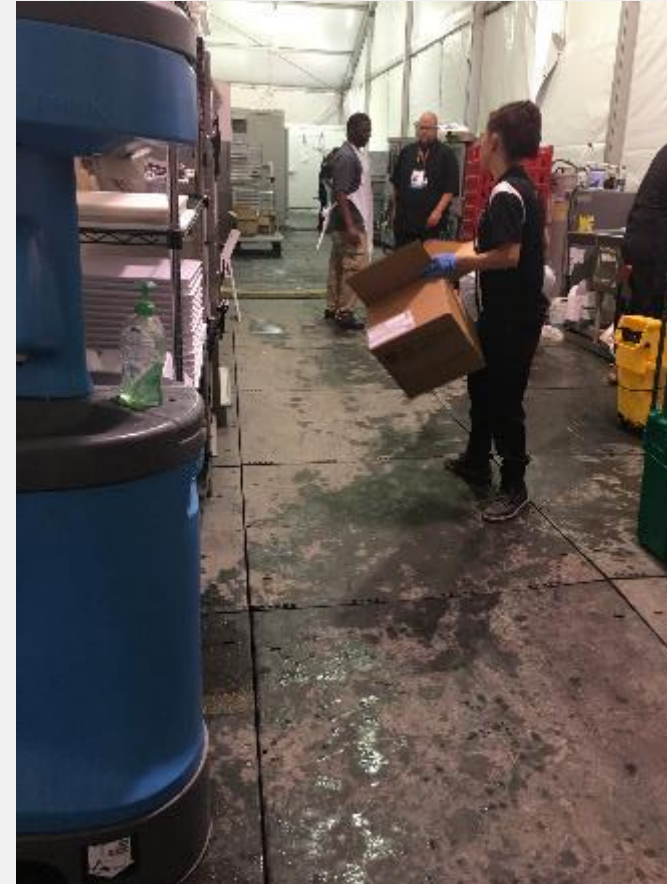
Number of Shelters
Open During Peak Time
3,091 evacuees

Statewide Shelter in Durham



Food Permitting at the World Equestrian Games

- 2 Large Commissary Kitchens
- TFE Commissary Kitchen for MFU
- 2 “Pop Up” freestanding TFE
- 4 Concession Stands
- 9 MFU with TFE permits



Hurricane Florence



Emergency During Large Event

- Plans must be flexible
- AND
- Personal safety of volunteers must be kept as #1 priority

Florence brings headaches and heartache to World Equestrian Games in North Carolina

By [Frances Stead Sellers](#)

September 16 via Washington Post

Hurricane Florence set to crash World Equestrian Games

An estimated 500,000 spectators expected to attend despite prospect of Category 4 storm

Wed, Sep 12, 2018, 20:45 via Irish Times

Personal Safety Issues



WEG By the Numbers

- 1188 field hours
- 57,000+ meals served
- >225 surveillance visits completed
- 37 REHS in the field
 - 14 State Employees
 - 17 County Employees
 - 6 RPM Employees
 - 8 Health Departments Volunteered



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