Best Practices for Nurses and Nurse Practitioners Working With Farmworkers During Hurricane Recovery

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Hurricane Disasters Back to Back

2016 Hurricane Matthew
2018 Hurricane Florence
2018 Tropical Storm Michael
2019 – Hurricane Dorian

NASA satellites paint a terrifying picture of Hurricane Dorian
Historic Hurricane Florence
September 12-15, 2018

Landfall near Wrightsville Beach – 9/14/18 as a Category 1 Wind gusts 106 mph
Rainfall 20 to 30 inches (34 inches in Swansboro)
Extensive wind damage along the North Carolina coast from Cape Lookout, across Carteret, Onslow, Pender and New Hanover counties
Hurricane Season Is Especially Hard for Farmworkers...

Flooding from the latest storm highlights a particularly vulnerable population.

These Migrant Workers Called 911 During Hurricane Florence. But No One Came To Their Rescue.
Buzzfeed October 1, 2018
Hurricane Florence Recovery and Vulnerable Populations

• The “cost” of Hurricane Florence Tarheel Nurse (Winter 2019)
  – 50 reported hurricane related deaths (22 direct deaths)
  – $22 billion (up to 170 billion estimated in US)
  – Flooding/agricultural loses
  – Vulnerable populations – more effected

Hurricane Michael followed in October 2018
Hurricane Response and Recovery – Focus on **Recovery**

Recovery may take weeks or years!
NC Farmworkers Project

https://www.ncfhp.org/

Now Available

Hurricane Florence Resources
Demographics

There are over **80,000** farmworkers in NC

- **60,328** Migrant (21,443 of whom are H2A workers)
- **19,685** Seasonal

2017 Estimate of Migrant and Seasonal Farmworkers During Peak Harvest by County
General Health Concerns/Risks

Top reasons for medical visits in 2016*
- Hypertension
- Back pain
- Diabetes
- Gastritis
- Acute upper respiratory infection

*Based on NCFHP patient data
Determinants of Health and Syndemic Model – Example

**STRUCTURAL**
- Food Access
- Safety
- Immigration
- Discrimination
- Poverty

**SOCIOCULTURAL**
- Acculturation
- Gender
- Social Networks
- Food Preferences

**INDIVIDUAL**
- Genetics
- Biological
- Behavioral
- Coping
- Self-Efficacy

**RELATIONSHIP**
- Relationships
- Family
- Social Support

**Precision Health Intervention**

Diane Berry, PhD, ANP-BC, FAANP, FAAN  
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Nursing Projects & Practicums with NCFP

Cultural Understanding and Supporting the Role of the Outreach workers

Diabetes Screening and Self-Management Support

Hypertension Screening and Self-Management Support

Depression Screening and Stress Reduction
NC Farmworkers Project

https://www.ncfhp.org/
Farmworkers’ Ministry
https://episcopalfarmworkerministry.org/
EPISCOPAL FARMWORKER MINISTRY – HEALTH OUTREACH
Episcopal Farmworker Ministry

- Data & Averages for Outreach
  - Patients Seen: 37
  - Age: 35
  - BMI: 33
  - Systolic BP: 130
  - Diastolic BP: 76
  - Blood Glucose: 122
Doing nothing for others is the undoing of one’s self. We must be purposely kind and generous, or we miss the best part of existence. The heart that goes out of itself, gets large and full of joy. This is the great secret of the inner life. We do ourselves the most good doing something for others - Horace Mann

Thank you for the kind people of Lumberton, Wilmington, Pender County, and Dunn for filling my heart with joy –
Questions?

CONTACT INFO

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