

Identifying Families with Food
Insecurities at the Adult and Pediatric
Health Care Clinic
Hannah D. Jaudon Spiker, DO, MPH
January 31, 2024

#### **Collaborative Team Members**

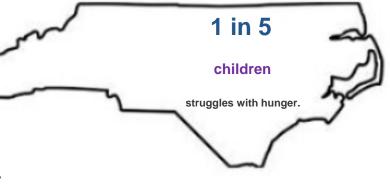
- Mary Catherine Brake Turner, MD, program director
- Angie Mathai, MD, attending physician
- Karin Hillenbrand, MD, attending physician
- Jennifer Crotty, MD, attending physician
- Amber Davis, clinical social work
- Anna Laughman, MD, resident
- Brooke Baggett, DO, resident
- Riju Narayan, MD, resident
- Keith Savran, MD, resident
- Jacob Vaught, DO , resident
- Jasmyn Atalla, MD, resident
- Shiva Poola, MD, resident
- Jennifer Chu, DO, resident
- Chelcie Kurzontkowski, RD, clinical dietician
- Sam Johnson, lab technician and phlebotomist
- Kim Joyner, medical assistant
- Allie Hernandez, RN, nurse





### **Background and Objectives**

- Food insecurity is defined by the USDA as lack of consistent access to nutritionally adequate food.
- Food insecurity is a major social determinant of health and is associated with poor health outcomes in children and their families.
- An estimated 400,000 children are affected by food insecurity in North Carolina.
- The American Academy of Pediatrics recommends screening for food insecurity however, up to 40% of pediatricians are not completing the appropriate screening or providing resources and support for their patients.
- The Duke Endowment via Carolinas Collaborative has promoted quality improvement projects to improve screening processes and interventions including an initiative at the ECU Adult and Pediatric Health Care (APHC).
- Prior to this project, there was no process for screening for food insecurity at the ECU APHC.





#### Aim Statements



#### **March 2021**

By March 1<sup>st</sup> 2021, to screen and document food insecurity in at least 60% of all patients under 18 years old presenting as well child checks to Thursday resident clinic.



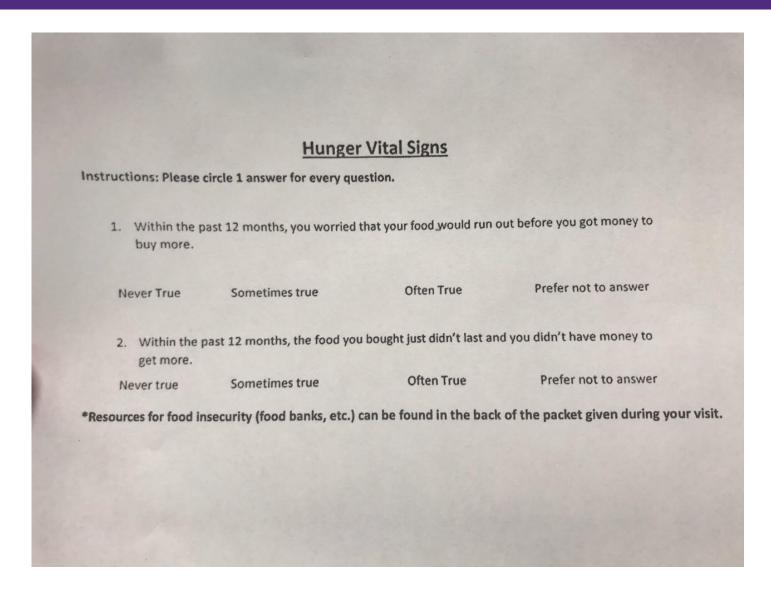
#### May 2023

By May 1<sup>st</sup> 2023, at least 80% of all patients under 18 years old, who screen positive for food insecurity in Thursday Continuity clinic will have a phone follow up for re-screening at 1 month.

By May 1<sup>st</sup> 2022, at least 60% of ALL well-child checks at APHC will have screening and documentation for food insecurity

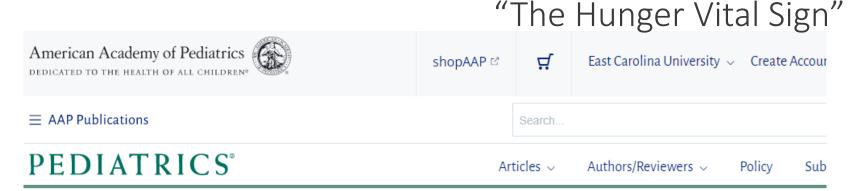


### **How Are We Screening?**





### The Basis of Our QI Project



#### Volume 126, Issue 1

July 2010



ARTICLES | JULY 01 2010

## Development and Validity of a 2-Item Screen to Identify Families at Risk for Food Insecurity ⊘

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FINANCIAL DISCLOSURE: The authors have indicated they have no financial relationships relevant to this article to disclose.

Pediatrics (2010) 126 (1): e26-e32.



#### What to Do if There is a Positive Screen?

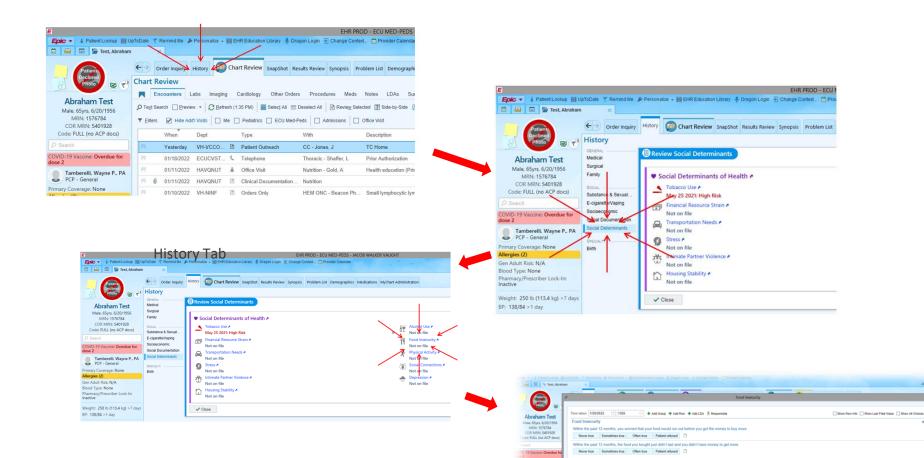
1. Social Services Referral, if patient and family agree

- 2. Dot phrase for food insecurity ".FOODINSRESOURCE" or ensuring there are appropriate resources stapled to the back of every WCC info packet
- 3. Document in EHR

4. Social Worker follow up, within a month for f/u on food insecurity

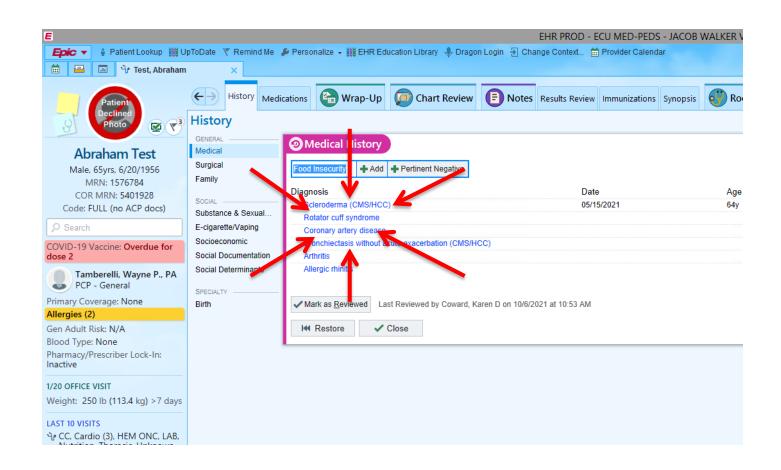


## Goal of 2020-2022 PDSA Cycles





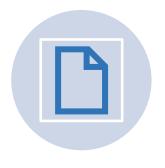
## Goal of 2020-2022 PDSA Cycles



Diagnosis Entry:Food insecurity [Z59.41]



## **2022-2023 PDSA Cycles**



1. Keeping food insecurity resources up to date in our paper handouts



2. Creating a re-screening phone script



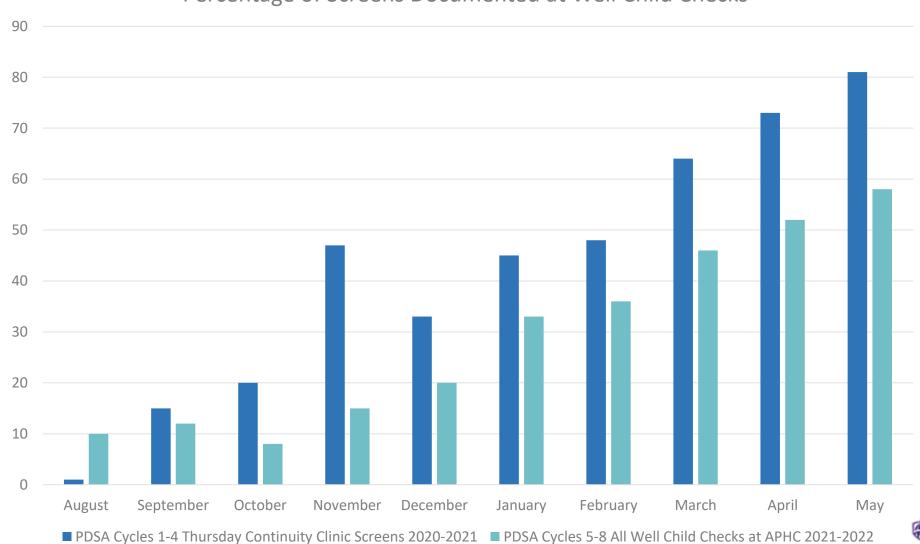
3. Enlisting the help of social work in reaching out to patients



4. Keeping track of forms

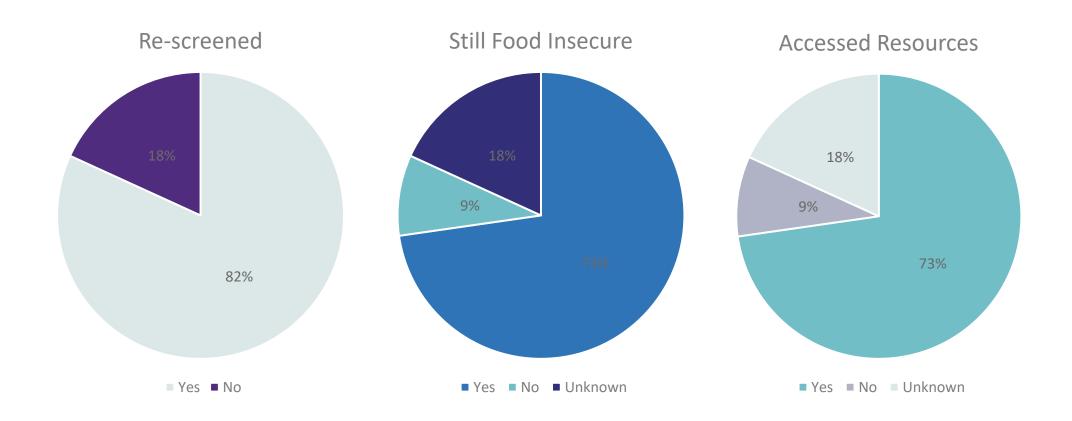
### Results







## Results





#### **Lessons Learned**

How to work within an interdisciplinary team

Our patients and their families are experiencing food insecurity and seeking help

The resources we provide are helping our food insecure patients

Food insecurity is transient, so regular screening efforts are important

Our patients' resource needs change, which highlights the need for rescreening





#### **Future Directions**

 APHC has a newly implemented food pantry for those who screen positive

- Are there other social determinants of health that we should track/ provide resources for our patients?



#### References

- 1. Coleman-Jensen A, Rabbitt MP, Gregory CA, Singh A. Household food security in the united states in 2018. Economic Research Report No. (ERR-270) 47 pp.
- 2. Feeding America. Hunger in North Carolina. 2021. https://www.feedingamerica.org/hunger-in-america/north-carolina#:~:text=In%20North%20Carolina%2C%201%2C456%2C200%20people,of%20them%20443%2C040%20are %20children.&text=1%20in%205%20children%20struggles,to%20meet%20their%20food%20needs.



# Questions?

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