

All Aboard the Magic School Bus: Enhancing Medical Learners' Experience Through Community Outreach Across Rural ENC

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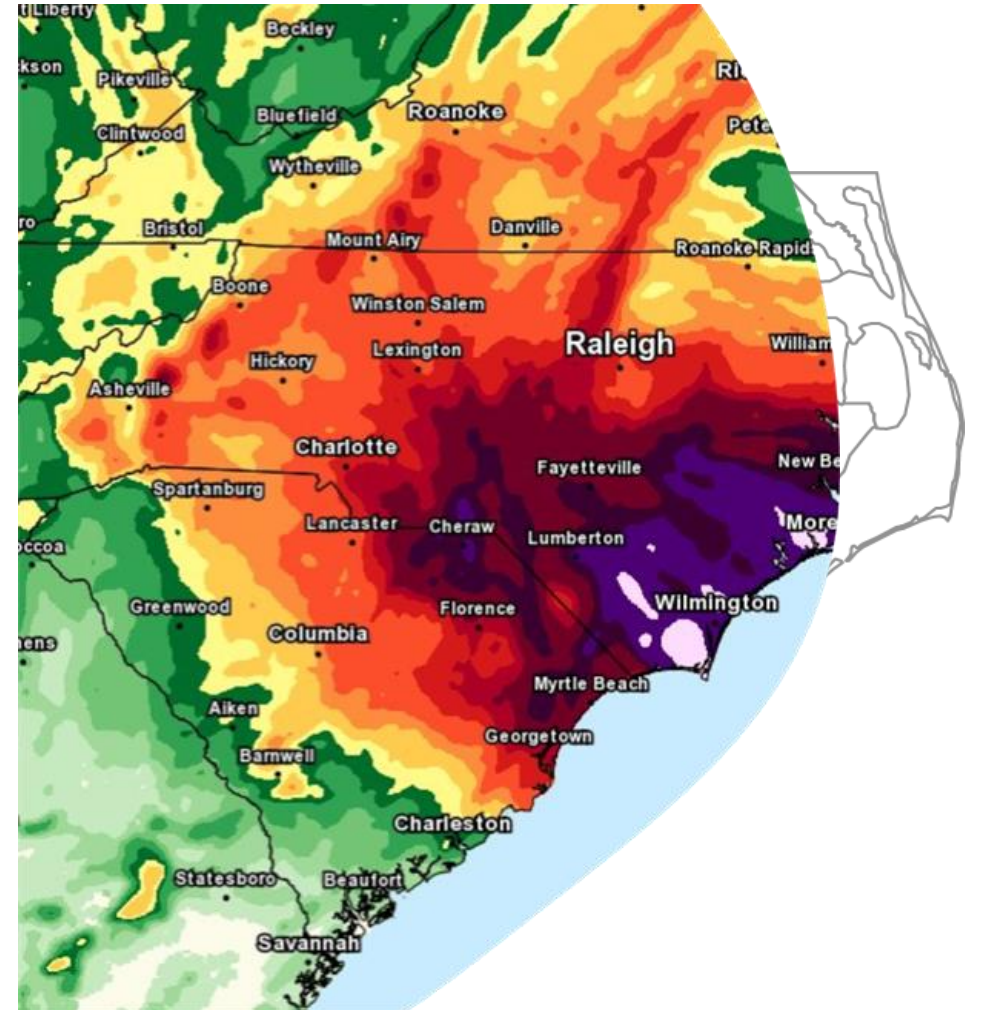
Bolu Aluko, BA; M3 Brody SOM

Jenelle Brison, MS; M3 Brody SOM

Jamie Castle, DO; PGY1 Pediatrics ECU Health

Healthier Lives at School and Beyond

- School-based telehealth program
 - Duplin County
 - Jones County
 - Clinton City Schools (Sampson County)
- Comprehensive and interdisciplinary
 - Behavioral health
 - Nutrition
 - Acute medical care





>260,000

miles of patient travel saved



255

school health assessments provided to students at-risk of expulsion



582,400

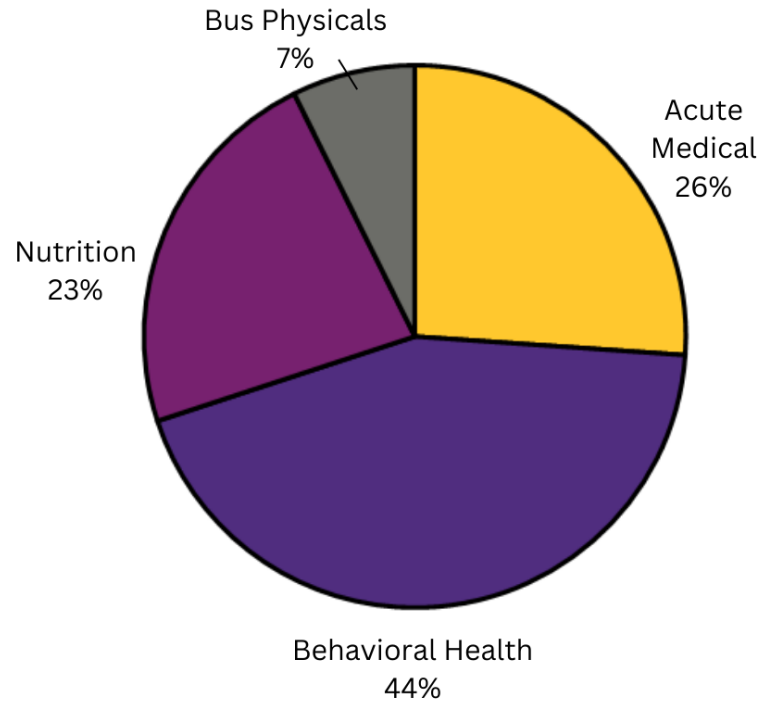
minutes of instructional time saved for students



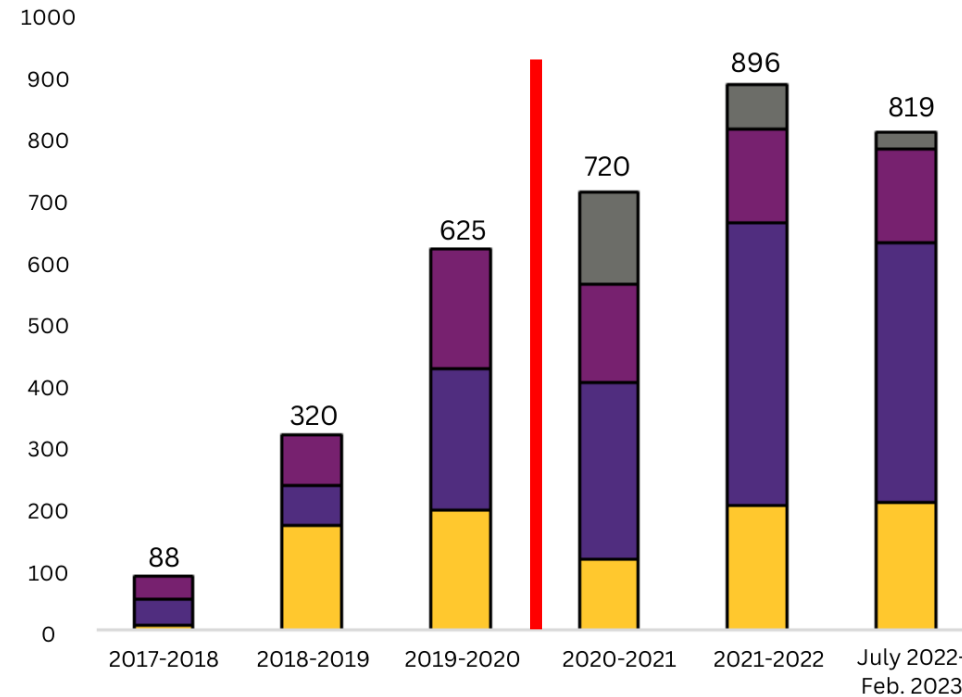
91%

return-to-class rate for acute medical patients

Telehealth Service Line Usage



Telehealth Usage Over Program Lifetime



NORTH CAROLINA HEALTH ASSESSMENT TRANSMITTAL FORM

This form and the information on this form will be maintained on file in the school attended by the student named herein and is confidential and not a public record.
 (Approved by North Carolina Department of Public Instruction and Department of Health and Human Services)

PARENT to COMPLETE THIS SECTION

Student Name:
 (Last) (First) (Middle)

Birthdate (M/D/YYYY): **School Name:**

Home Address: **City:** **State:** **County:**

Parent Information: Name of Parent, Guardian, or person standing in loco parentis: **Telephone(s)**
 Home:
 Work:
 Cell Phone:

Health Concerns to be shared with authorized persons (school administrators, teachers, and other school personnel who require such information to perform their assigned duties):

HEALTH CARE PROVIDER TO COMPLETE THIS SECTION

Medications prescribed for student:

Student's allergies, type, and response required:

Special diet instructions:

Health-related recommendations to enhance the student's school performance:

Vision screening information:
 Passed vision screening: Yes No
 Concerns related to student's vision:

Hearing screening information:
 Passed hearing screening: Yes No
 Concerns related to student's hearing:

Recommendations, concerns, or needs related to student's health and required school follow-up:

School follow-up needed: Yes No

Medical Provider Comments:

Please attach other applicable school health forms:
 Immunization record attached:
 School medication authorization form attached:
 Diabetes care plan attached:
 Asthma action plan attached:
 Health care plans for other conditions attached:

Health Care Professional's Certification
 I certify that I performed, on the student named above, a health assessment in accordance with G.S. 130A-44(b) that included a medical history and physical examination with screening for vision and hearing, and if appropriate, testing for anemia and tuberculosis. I certify that the information on this form is accurate and complete to the best of my knowledge.

Name: **Title:**

Signature: _____ **Date (m/d/yyyy):** _____
Date of Exam (if Different): _____

Practice/Clinic Name: **Practice/Clinic Address:**

Practice/Clinic City: **State:** **Zip:** **Phone:** **Fax:**

Provider Stamp Here:





**Boluwatife Aluko, BA
Brody School of Medicine
MD Candidate 2024**

**Obtained vital signs
Calculated and interpreted BMIs
Performed vision screenings**

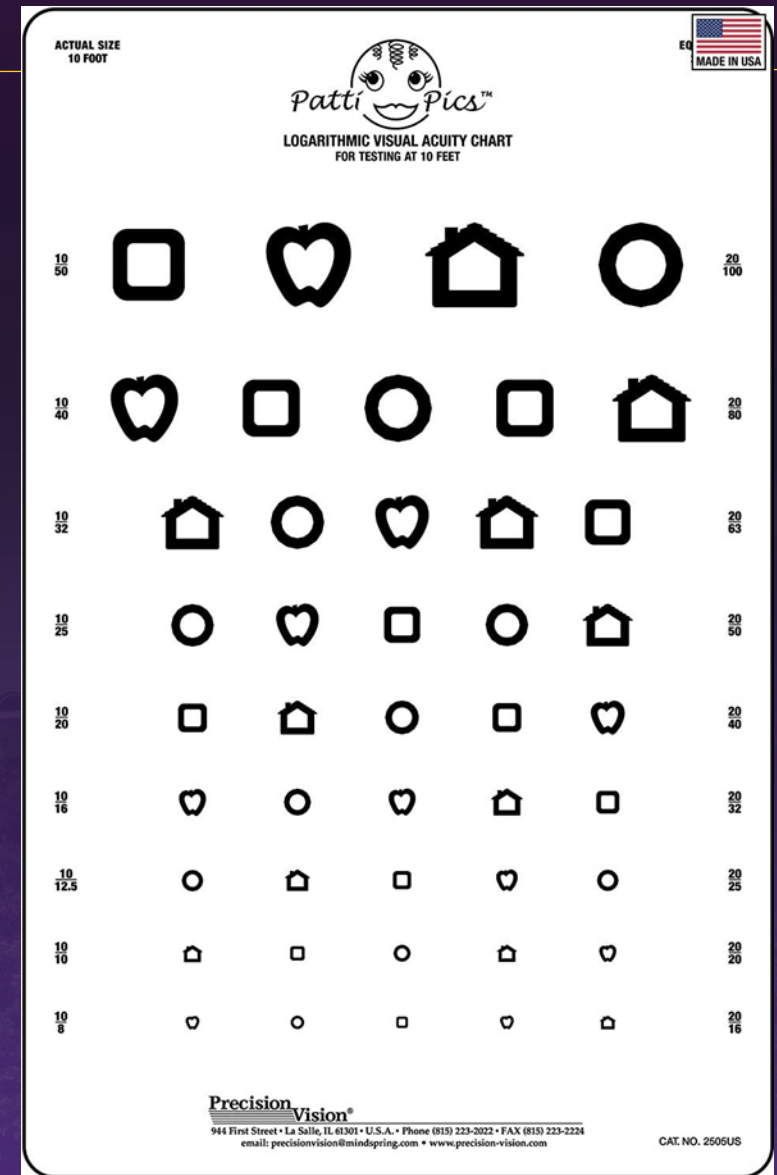
*“The best part of helping Duplin County students complete their yearly school physicals was being able **to interact with the students**. A large percentage of the students we completed physical examinations for were from **underserved communities**, and I really appreciated the Spanish speaking staff who translated, so we could effectively communicate with all the children. A large part of my desire to pursue a career in medicine stemmed from wanting to see more marginalized communities receive care from clinicians who look like them, so **this experience in Duplin County reminded me of one of my many reasons for pursuing medicine.**”*



Jenelle Brison, MS
Brody School of Medicine
MD Candidate 2024

Obtained vital signs
Calculated and interpreted BMIs
Performed vision screenings

- Breaks up monotony of clinical experience
- Immersive
- Real-time feedback
- Identified barriers in vision screening

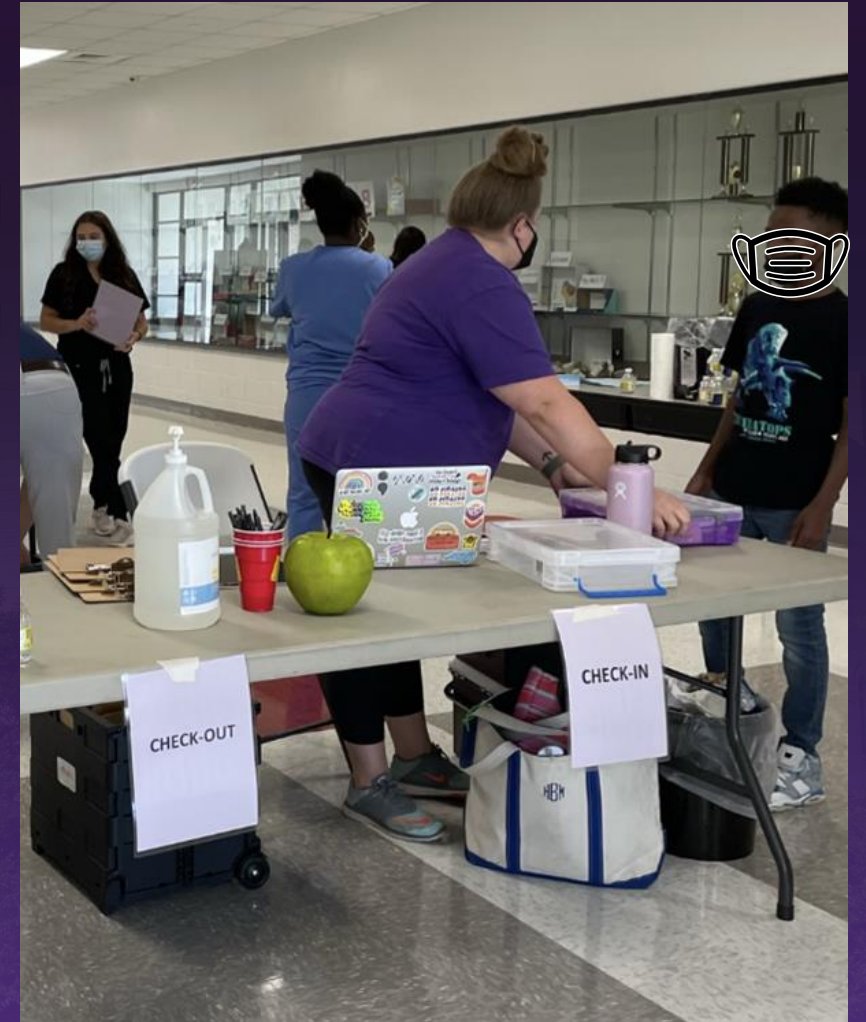




Jamie Castle, DO
ECU Health
PGY-1 Pediatrics

Reviewed medical histories
Performed physical exams
Assessed immunization status

- Actively engaging in medical care
- Overcoming barriers to care for patients
- This experience is definition of community pediatrics
- Ability to improvise; do more with less
- Opportunities for improvement



- High-yield learning
- “Travel-sized” experience in the curriculum
- Strategy to increase community experiences for increasing number of learners



A word cloud of terms related to community and interprofessional education. The words are arranged in a roughly circular pattern, with 'community' and 'interprofessional' being the largest and most prominent. Other words include 'school', 'rural', 'social determinants', 'underserved', 'process', 'environment', 'communication', 'mentoring', 'exciting', 'efficiency', 'teamwork', 'barriers to care', 'feedback', and 'immersive'.

mentoring
exciting
efficiency
teamwork
school
barriers to care
feedback
immersive
community
social determinants
underserved
process
interprofessional
rural
environment
communication

Brody prepares graduates for North Carolina and its rural and underserved communities.

Top 10%

of U.S. medical schools for
graduating physicians who
are practicing in-state⁸

Top 10%

of U.S. medical schools for
graduating physicians who
are practicing in rural areas⁸

Top 5%

of U.S. medical schools for
graduating physicians who
are practicing primary care⁸

Top 5%

of U.S. medical schools for
graduating physicians who
are practicing in underserved
areas⁸

Top 5%

of U.S. medical schools for
quality of Pediatrics
Clerkships²

Top 5%

of U.S. medical schools for
most affordable In-state cost
of attendance²

Top 5%

of U.S. medical schools for
quality of foundational phase
educational experiences in
Pathology²

