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
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.”

- Boluwatife Aluko
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

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

Top 10% of U.S. medical schools for graduating physicians who are practicing in rural areas.

Top 5% of U.S. medical schools for graduating physicians who are practicing primary care.

Top 5% of U.S. medical schools for graduating physicians who are practicing in underserved areas.

Top 5% of U.S. medical schools for quality of Pediatrics Clerkships.

Top 5% of U.S. medical schools for most affordable in-state cost of attendance.

Top 5% of U.S. medical schools for quality of foundational phase educational experiences in Pathology.

https://medicine.ecu.edu/mission/