Introduction

- Routine vision screening can help prevent adverse outcomes such as permanent vision loss and decreased academic performance in children.
- Gaps in coverage may result in unmet needs for vision care within children and prevent children from accessing routine vision screening.

Aims Statement

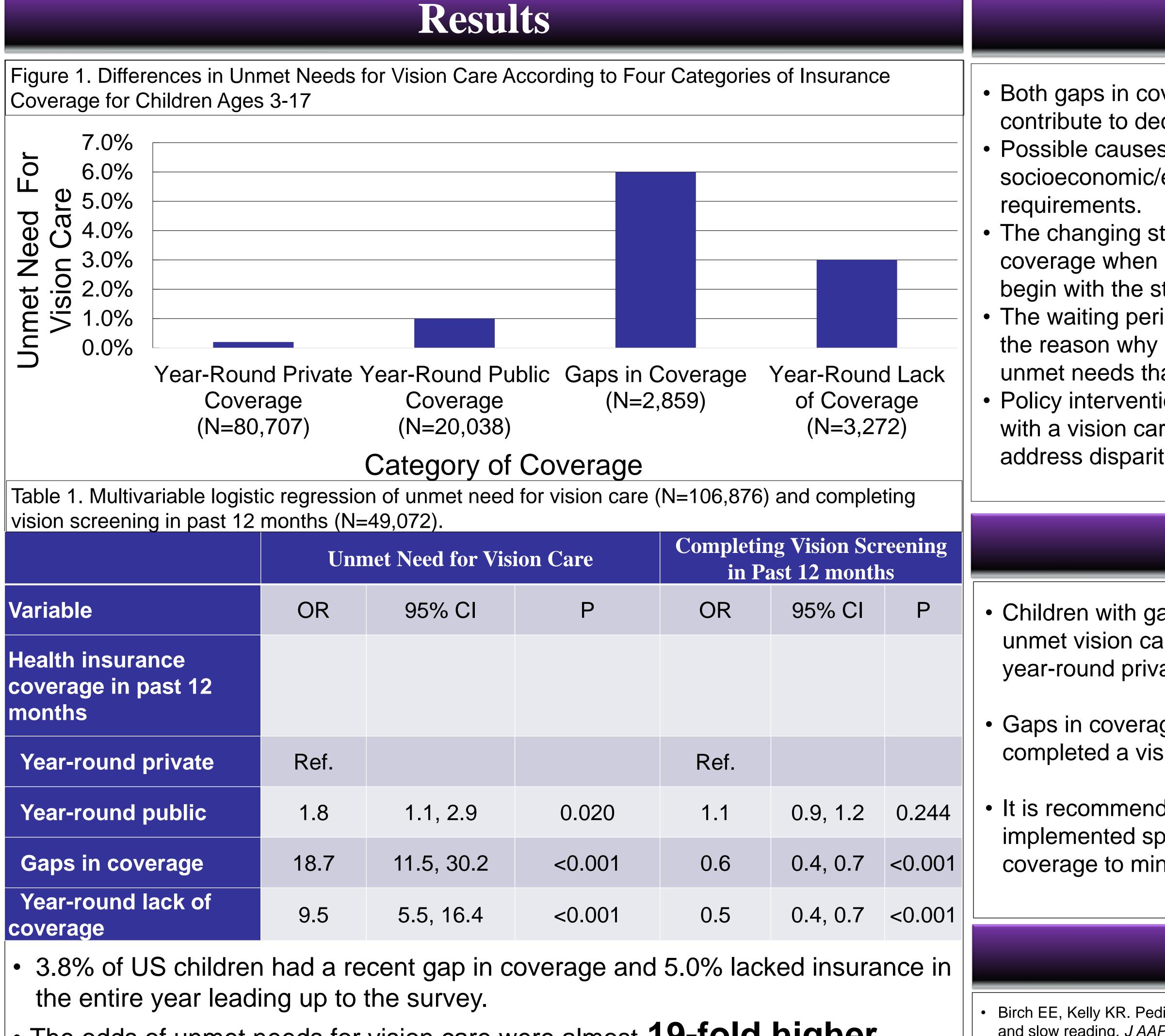
This study aims to utilize nationally represented data to analyze whether experiencing a recent gap in health insurance coverage was associated with greater likelihood of unmet needs for vision care among US children when compared to children with year-round private coverage. The secondary aim of this study was to determine whether gaps in coverage were associated with lower likelihood of completing a vision screening within the past 12 months.

Methods

- This study used de-identified data and was not considered human subjects research by the local Institutional Review Board.
- Data were obtained from the 2016-2019 National Survey of Children's Health (NSCH). For this study, we limited the sample to children ages 3-17 years, and excluded children with missing data on study variables.
- The primary outcome was caregiver-reported unmet needs for vision care in the past 12 months.
- The secondary outcome was whether the child had their vision tested within the past 12 months (assessed in 2018 and 2019 only).
- Multivariable analysis of study outcomes was conducted using logistic regression, including all study covariates. All analyses accounted for survey weights and the complex sampling design, as recommended in the survey documentation.

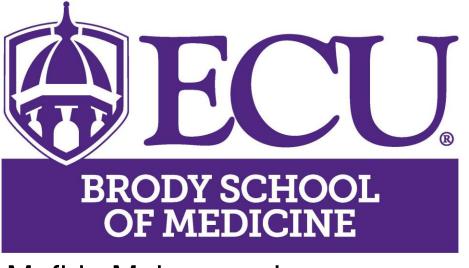
Unmet Needs for Vision Care Among Children with Gaps in Health Insurance Coverage

Mufida Muhammad, BS; Dmitry Tumin, PhD



- The odds of unmet needs for vision care were almost 19-fold higher among children with gaps in coverage and were **9-fold higher** among children with year-round lack coverage.
- Children with gaps in coverage had 40% lower odds of completing vision screening and children with year-round lack of coverage had **50% lower odds** of completing vision screening when compared to children with yearround private coverage.

- support the research of this study.



Mufida Muhammad Brody School of Medicine East Carolina University Greenville, NC 27858 muhammadm14@students.ecu.edu

Discussion

 Both gaps in coverage and lack of insurance tend to contribute to decreased access to vision care. • Possible causes of gap in coverage may be due to parental socioeconomic/employment status and policy re-enrollment

• The changing status of employment may result in gap in coverage when some parents are waiting for coverage to begin with the start of a new job.

• The waiting period in which children are not covered may be the reason why children with gaps in coverage have more unmet needs that children with a complete lack of coverage. • Policy interventions such as expansion of public insurance with a vision care component should be implemented to address disparities in insurance coverage.

Conclusion

• Children with gaps in coverage have a higher likelihood of unmet vision care needs when compared to children with year-round private/year-round lack of coverage.

• Gaps in coverage also decreased the likelihood that a child completed a vision screening within the past 12 months.

 It is recommended that policy interventions are implemented specifically for children with gaps/lack of coverage to minimize unmet vision care needs in children.

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