



INTRODUCTION

- **The Hennepin Healthcare Pediatric Mobile Clinic** offers cost-effective healthcare to families reluctant or unable to access traditional brick-and-mortar clinics. It started during the early COVID-19 pandemic to counteract a sharp decline in childhood immunizations. It has evolved to provide comprehensive pediatric primary care including well-child care, screenings, basic labs, and immunizations.
- **This study aims to investigate the impact of** mobile clinic visits on the frequency of **Emergency Department (ED) visits within a** pediatric population.



METHODS

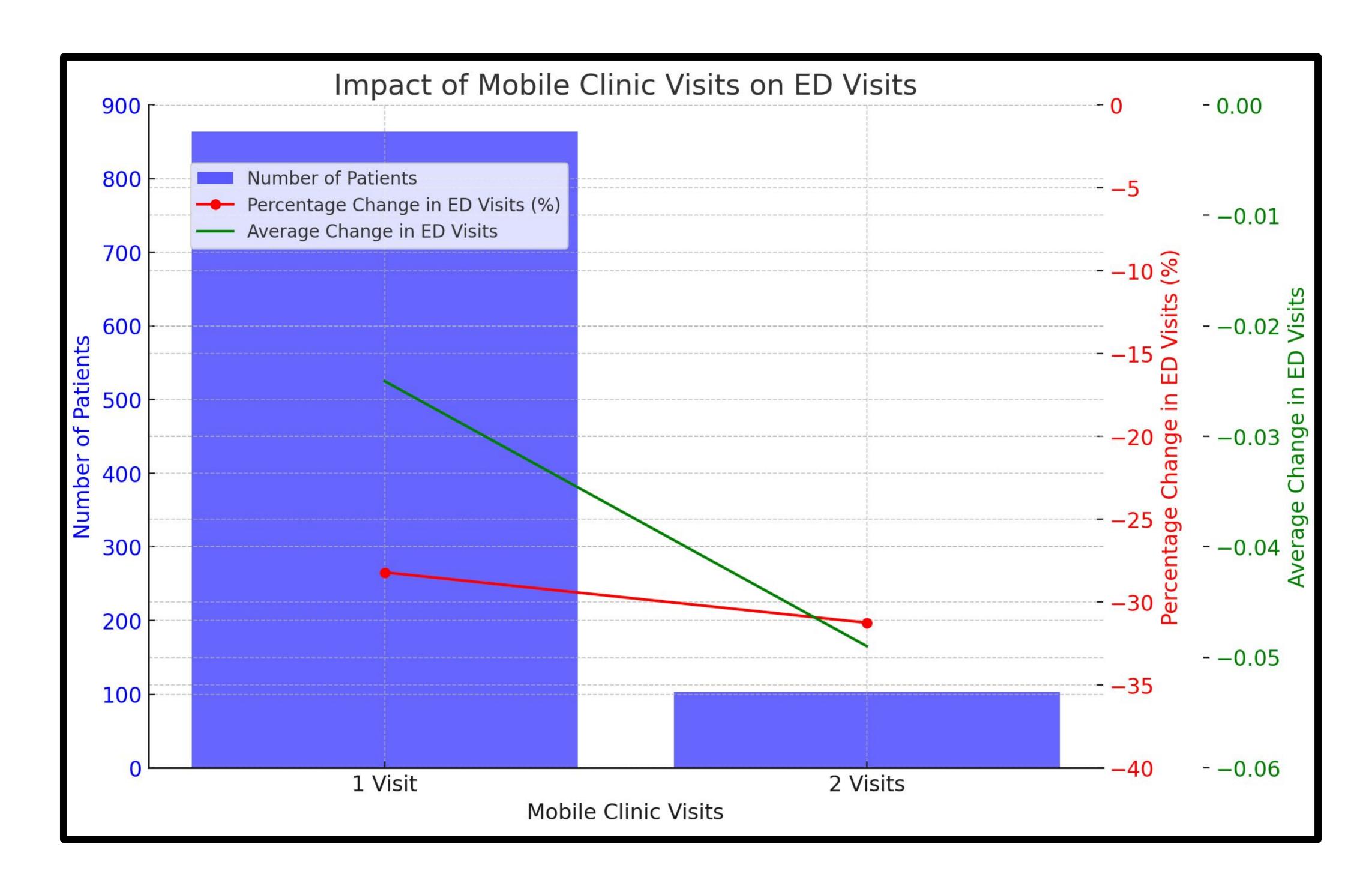
- **U** This retrospective study assessed the impact of mobile clinic visits on ED utilization. Using a pre-post design, the study analyzed patient ED visit data six months prior and six months post a mobile clinic visit encounter.
- The study included pediatric patients who received care from the Hennepin Healthcare Pediatric Mobile Clinic between May 1, 2020, and May 31, 2023 (n=1,287) Data was retrieved from **EPIC (electronic medical records system) and** analyzed using paired t-tests and permutation tests.

Impact of Pediatric Mobile Health on Emergency **Department Utilization**

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RESULTS

- **D** Engagement with a pediatric mobile clinic decreased the frequency of ED visits which suggests observable cost savings.
- One Mobile Clinic Visit: Among 1,127 patients, there
- **Two Mobile Clinic Visits: A deeper engagement, as** led to a 59.55% decrease in ED visits, indicating enhanced outcomes with repeated visits.
- Financial implications as follows:
 - from \$991 to \$1064 in Minnesota.
 - **D** Notably, 97% of all Pediatric ED visits are avoidable.
 - Total Savings for patients (n=1,287) seen in 2021-2023: ~ \$268,557.37 to \$288,340.10



was an 18.42% reduction in ED visits, demonstrating the immediate impact of a single clinic interaction.

seen with 122 patients receiving mobile care twice,

Q Average cost of one pediatric ED visit ranges

mobile clinic in lieu of an avoidable ED visit in

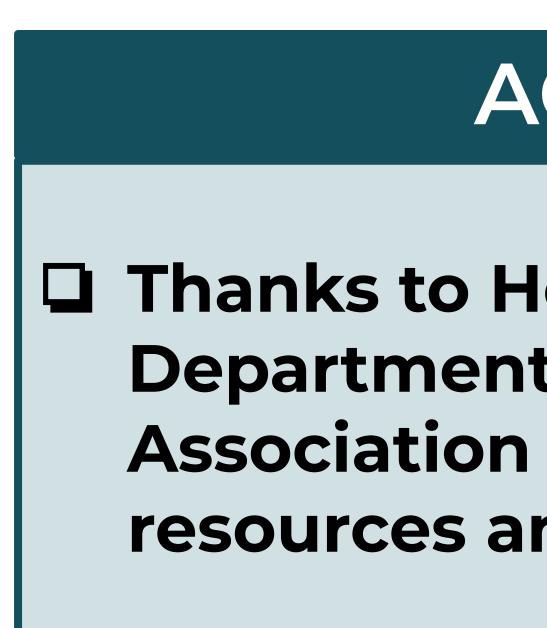
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CONCLUSIONS

U Hennepin Healthcare Pediatric Mobile Clinic encounters reduce Emergency Department (ED) visits. This supports the vital role of mobile clinics in providing accessible healthcare for marginalized communities.

Data shows that even one clinic visit can substantially decrease avoidable ED visits, emphasizing the importance of accessible pediatric primary care for families.

D Expanding mobile healthcare services can relieve ED pressures and offer cost-effective, preventive solutions tailored to marginalized communities.

As the healthcare landscape evolves, mobile clinics stand out as key to bridging access gaps for pediatric primary care.

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