Beyond Hospital Walls: Mayo Clinic’s Pediatric Paramedic Project

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ABSTRACT

The Mayo Clinic Community Pediatric Paramedic project aims to: Enhance local health care for children and their families through the use of medical teams that provide home-based care, including the delivery of medications and interventions. Given the complexities of the project, a multi-phase approach was developed to ensure successful implementation. This paper describes the project's objectives, planning, implementation, and outcomes.

Keywords: Community Pediatric Paramedic project, home-based care, pediatric patients, multidisciplinary care, technology, healthcare delivery model.

BACKGROUND

Pediatric patient care in our communities is often limited by geographic factors and limited access to specialty care. Innovative approaches are needed to provide timely and effective care to children in their homes.

PLANNING & IMPLEMENTATION METHODS

Phases I and II of the project were launched at the end of October 2020 during a pandemic at a critical time in the project's development. The overall project timeline is as follows:

- Phase I: Launch of project
- Phase II: Expansion of project
- Phase III: Evaluation and refinement

RESULTS

- Enrolled 111 eligible patients for a 77% enrollment rate.
- Average length of stay (LOS) decreased by 1.2 days per patient evaluated.
- $1,000 for each patient seen, $7,000 for each stay in the ED.

FIGURE 1: Community Pediatric Paramedic WorkFlow

DISCUSSION

Community-Centered Design:

- Ensures local health care, hospital, paramedic, and community groups to shape the design by bringing stakeholders together in a meaningful way.
--Centers patient and family experience: Ensuring that the patient’s experience is at the forefront
- Integrates the project with prehospital care and hospital care: Ensuring that the project is a seamless transition from hospital to home

LIMITATIONS

- Financial constraints: Funding, staffing, and time, which can hinder efforts to assess and enhance the project.
- Limited Resources: Healthcare organizations may face constraints in terms of funding, staffing, and time, which can hinder efforts to assess and enhance the project.

REFERENCES
