



Your On Demand Medical Exam

CASE STUDY:

# Advocate Children's Hospital

Evaluating the Role of Telehealth in Caring for Children with Medical Complexity

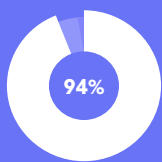


# Executive Summary

The Children’s Hospital in Oaklawn, IL, assessed the implementation of a telehealth technology among pediatric patients with medical complexity in order to provide more complete remote encounters compared to traditional telephone calls between patients and health care providers.

## Opportunity

Children with medical complexity (CMC) are high utilizers of healthcare including hospitalizations and Emergency Department (ED) visits, with many falling under Medicaid.



CMC comprise 6% of pediatric Medicaid patients



CMC utilize approximately 40% of pediatric Medicaid resources

The primary goal was to evaluate the use of a new telehealth device in the care of CMC within an established program, assessing feasibility, usability and impact on patient management and user satisfaction.

## Solution

The TytoCare platform provided a solution for simple integration with Electronic Health Record (EHR) systems and other telehealth platforms, and serves as a “next-generation” FDA-cleared, multi-function telehealth examination tool that includes an otoscope, stethoscope, camera, thermometer, and video-teleconferencing technologies as compared to heart and lung sounds and otoscopic images obtained from standard of care digital otoscope and stethoscope devices.

## Implementation

A randomized intervention group received telehealth device kits to use per health care providers’ discretion for acute or routine follow up care.

	<p><b>24</b> Patients Enrolled In Study</p>	<p><b>15</b> Patients Receiving TytoCare Device Kits</p>	<p><b>4</b> Month Duration</p>	<p><b>24/7</b> Access To Care</p>
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## Clinical-grade Results

Analysis of the data demonstrated that the images and sound acquired through the use of the TytoCare device were of acceptable clinical-grade quality for proper diagnosis.

In addition to feasibility, it proved useful in addressing a variety of acute illnesses by providing real-time clinical data via a remote exam.



\*IRB approved, single center, randomized clinical trial, industry sponsored (TytoCare™ Netanya, Israel).

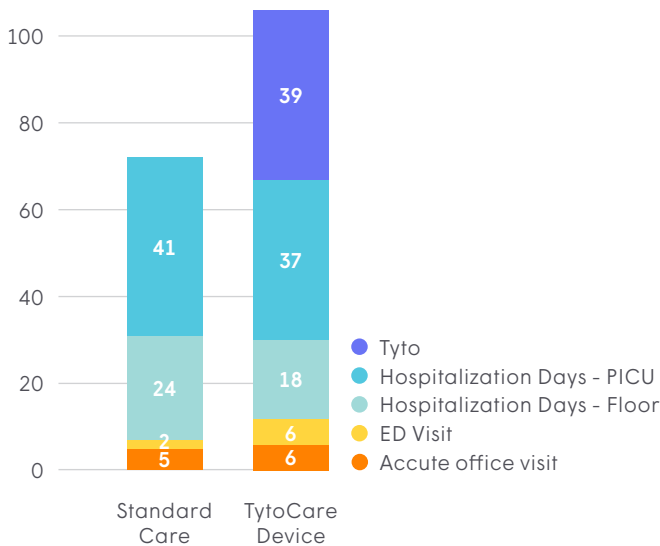
# Impact On Emergency Transfers & Cost

Families in the study were “very satisfied” with the level of care team interactions, plan of care and overall quality of the exam.

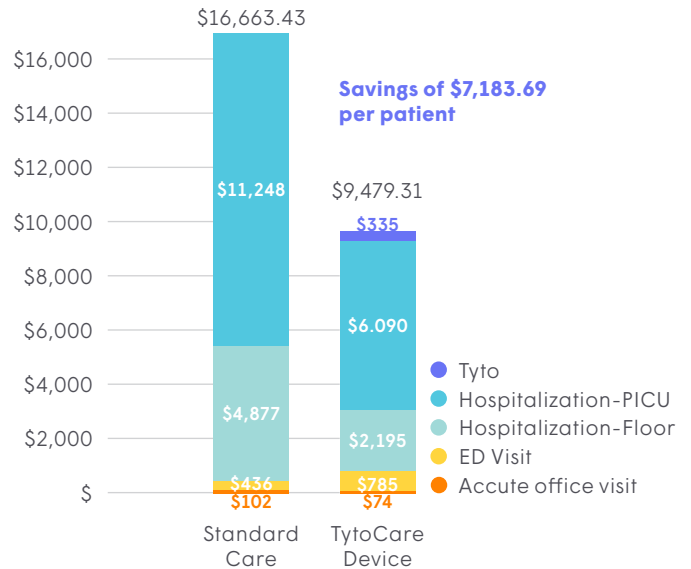
With a reduction in emergency transfers and days spent in hospitalization came a large cost-savings of nearly \$7,200 per patient.

“The device gave me the ability to interact with the clinician in a way that reduced my worry about whether to bring my son in for an office visit.”

- Parent of CMC



Number of encounters per study group based on location



Overall cost savings per patient during study period

For more information about Tyto Care Professional programs for Health Systems, please visit [tytocare.com](https://tytocare.com)

Contact us at **866-971-8986**, or [sales@tytocare.com](mailto:sales@tytocare.com)



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