



Adoption and Utilization of Device-Assisted Telemedicine

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Written by researchers from



Third party research validates significant savings with TytoCare

The Journal of Health Economics have published a paper by researchers from Stanford University and Tel Aviv University. They carried out a study based on three years of data from a large HMO to understand the impact of the adoption of TytoCare on primary care utilization and total cost of care.

The researchers found that the Home Smart Clinic led to a 12% increase in primary care utilization, 24.1% reduction in emergency room utilization, and an 11.3% reduction in urgent care utilization. By directing patients to the right site of care - the home - TytoCare utilization led to a 7% reduction in cost of care across all age groups, and a 9% reduction among adults.

“The findings align with the notion that device adoption and the consequent increase in primary care use either substitute for more intensive settings or aid in preventing cases from escalating to such settings.”

Study authors

Data and empirical approach

Researchers analyzed data from 28,213 TytoCare users and 104,532 TytoCare visits, matching these claims to data from 982,939 visits that were only audio/video, with no remote physical exams. By comparing these data sets, the researchers uncovered several key findings for the sample of the HMO members who utilized TytoCare.



3 years

(2019–2021)



28,213 TytoCare users

(treatment group)



982,939 Audio/video only visits

(control group)



104,532 TytoCare visits

Researchers found that use of TytoCare led to...



12%
increase in primary
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11.3% reduction
in urgent care utilization

24.1% reduction
in ER utilization

Which resulted in...

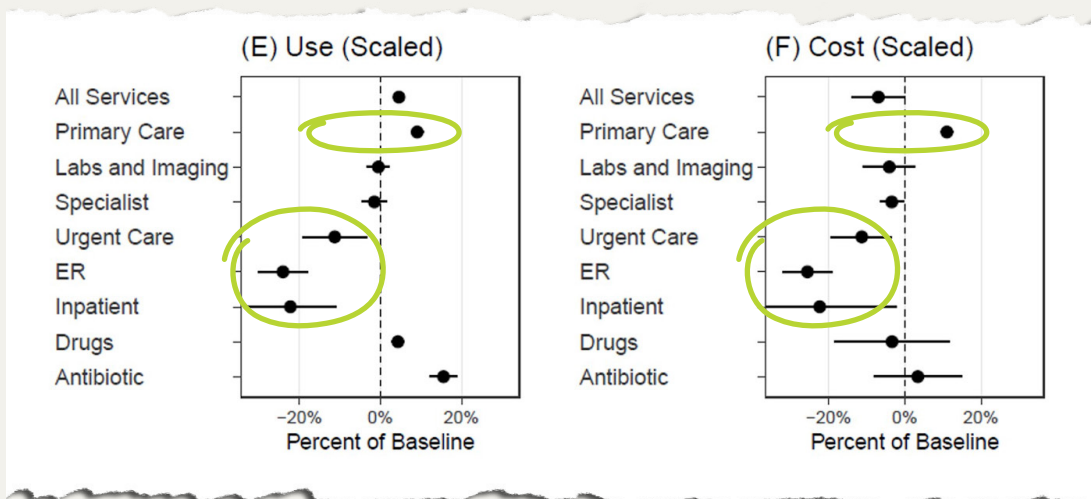


7% reduction
in total cost of care
across all ages



9% reduction
in total cost of care for
adults

From the research paper



[Read the full study here](#)

About TytoCare

TytoCare is a virtual healthcare company that enables leading health plans and providers to deliver remote healthcare to the whole family through its Home Smart Clinic. Combining a cutting-edge, easy-to-use, FDA-cleared device with AI-powered guidance and diagnostic support, the Home Smart Clinic enables the whole family to conduct remote physical exams with a doctor, replicating in-clinic exams for immediate answers from home. TytoCare drives utilization rates that are five times higher than traditional telehealth services; reduces the total cost of care by an average of five percent; diverts ED visits by an average of 10.8%; and has a high average NPS of 83. The Home Smart Clinic includes Tyto Engagement Labs™, a proven framework of engagement journeys designed for the successful deployment and adoption of the solution. To complete its offering, TytoCare also provides the Pro Smart Clinic, for professional settings outside the home to serve rural clinics, schools, workplaces, and more. TytoCare serves over 220 major health systems and health plans in the U.S., Europe, Asia, Latin America, and the Middle East. For more information, visit us at tytocare.com.