



ValidationInstitute

2023 Validation Report

Review for: Isaac Health

Validation Achieved: Savings

Valid through: June 2024

Company Profile



Category:	Disease Management
Website:	https://www.myisaachealth.com/
Public or Private:	Private
Year Established:	2021
CEO:	Julius Bruch, MD, PhD
Company contact:	(888) 818-2059
Description:	

Isaac Health is a virtual and in-home clinical service for dementia and other brain health conditions. Isaac Health partners with health systems and payers for screening, diagnosis, treatment, and ongoing care management at a population scale. Developed by leading neurological specialists, Isaac Health's proprietary care model is evidence-based and comprehensive, including services like medication management, cognitive rehabilitation, counseling, and psychosocial support. All of Isaac Health's clinical services are in line with the gold standard of medical care, covered by insurance, and allow for fast access to specialists within days, not months.

Isaac Health's mission is to radically improve access and brain health outcomes for the population. Its thoughtful workflows and technology are built specifically for those at risk for and affected by Alzheimer's disease and related neurological disorders – all to help patients and their families be as healthy and happy as possible, for as long as possible.



Claim Assertion of Validation

Isaac Health participants have lower frequency of emergency room visits, and fewer days of inpatient hospital care than similar people who are not in the Isaac Health program. The lower use of services leads to lower costs.



Method / Calculation / Examples

A total of 85 Isaac Health participants were matched to 85 non-participants on age, gender, and dementia diagnosis (present or absent).

Emergency room visits, ambulatory (professional office) visits, hospital admissions, and hospital days were counted for both groups for two four-month periods. For Isaac Health participants, the two four-month periods were directly before and after their enrollment; non-participants' visits and hospital days came from equivalent time periods before and after they would have been enrolled, had they chosen to. To create a rate, the count of visits was the numerator and the count of members, the denominator. The rate change from the first to the second time period for the Isaac Group was compared to the same change for the matched comparison group (Difference in Differences). The two groups' change from pre- to post-period, and the difference between them were assessed for statistical significance; this is to determine whether the changes could be natural fluctuation.

To estimate the cost difference between the two groups, published rates were applied to the ER, hospital[1], and professional services[2] for both groups.



Method / Calculation / Examples

To estimate total cost of care (TCOC), each member's procedure codes for the time periods were gathered and Medicare rates were applied. A TCOC was calculated for each group. Thus, cost savings show the difference in service use, rather than a difference in prices paid. The per member per month (PMPM) costs were calculated for each group for each time period. (Note: services that are not billed as procedure codes are omitted from this analysis.)

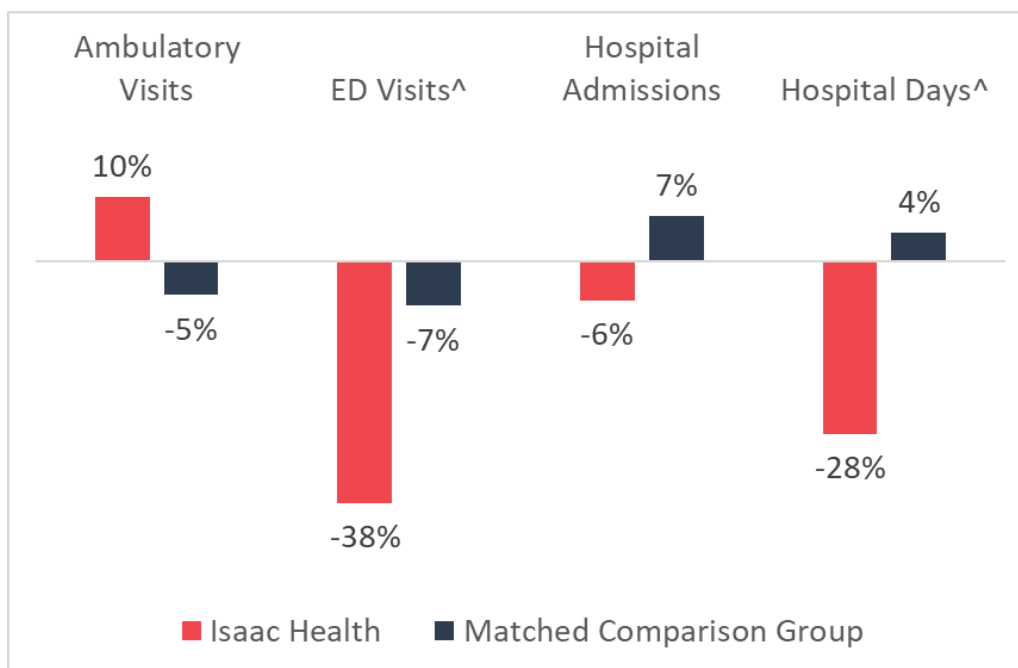


Findings & Validation

Chart 1 shows the change in ambulatory visits, ED visits, hospital admissions, and total hospital days for Isaac Health and the matched comparison groups from pre-intervention to intervention time period. As expected based on the intervention's design, ambulatory care professional visits rate went up 10% for the Isaac Health participants; for the matched group, ambulatory visits decreased 5%.

Emergency room visits decreased by 38% for Isaac Health participants, compared to a 7% decrease for the matched comparison group. The Isaac Health group's hospital days decreased by 28%, while the comparison group's increased by 4%. The Isaac Health group's hospital days and emergency room visits were statistically significantly lower than the comparison group's.

Findings & Validation



[^] Difference was statistically significant between the two groups for the intervention period.

Chart 1: Change from Pre-Intervention to Intervention Period : Ambulatory Visits, ED Visits, Hospital Admissions, Hospital Days

Findings & Validation

Chart 2 shows the relative change in total (standardized) cost. Each group's pre-period is set at 100%; the post-period costs are shown as a percentage of the pre-period costs. The comparison group experienced a slight increase (2%) in PMPM costs. The Isaac Health group had a 22% decrease in PMPM costs. The difference between the two groups was, however, not statistically significant.

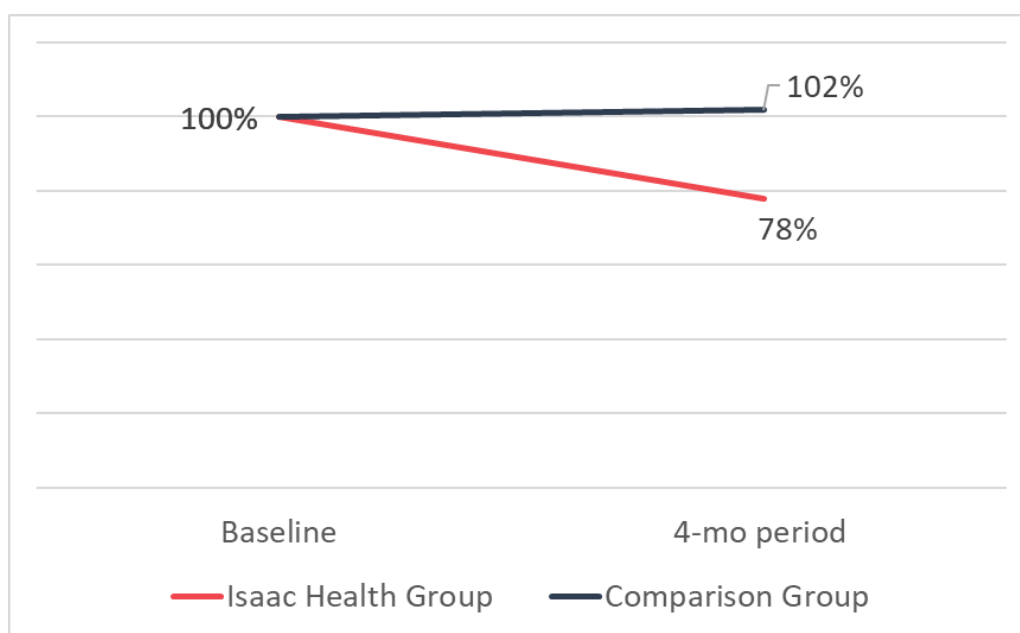


Chart 2: Change in Total Cost of Care from Pre-Intervention to Intervention Period



Limitations

Enrollment in the Isaac Health program was voluntary, so participants may have traits that helped them achieve their results.

The time period analyzed was short. Results may get stronger and more significant with more time.





Works Cited

[1] Emergency Room and Hospital costs were derived from Health Care Utilization Program (HCUP) Data Tools accessed on April 10, 2023. Details of parameters available upon request.

[2] Professional service costs were taken from the Medical Expenditure Panel Survey Foundation, K. F. (2023). Health System Tracker . Retrieved from Peterson KFF Health System Tracker : <https://www.healthsystemtracker.org/>

accessed on April 10, 2023. Medical inflation factors were sourced from <https://www.usinflationcalculator.com/inflation/health-care-inflation-in-the-united-states/>





Validation and Credibility Guarantee

Isaac Health's service achieved validation for **Savings**. Validation Institute is willing to provide up to a \$25,000 guarantee as part of their Credibility Guarantee Program. To learn more, visit

<https://validationinstitute.com/credibility-guarantee/>

Savings

Can reduce health care spending per case/participant or for the plan/purchaser overall.

Outcomes

Product/solution has measurably improved an outcome (risk, hba1c, events, employee retention, etc.) of importance.

Metrics

Credible sources and valid assumptions create a reasonable estimate of a program's impact.

Contractual Integrity

Vendor is willing to put a part of their fees "at risk" as a guarantee.



Validation Expiration: June 2024

CERTIFICATE OF VALIDATION

Applicant:

Isaac Health
New York, NY 10018, US

Product:

Isaac Health's service

Claim:

Isaac Health participants have lower frequency of emergency room visits, and fewer days of inpatient hospital care than similar people who are not in the Isaac Health program. The lower use of services leads to lower costs.

Validation Achieved:

Validated for Savings

Award Date:

June 2023



Linda Riddell
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Validation Institute



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Validation Institute



About Validation Institute

Validation Institute is a professional community that advocates for organizations and approaches that deliver better health value - stronger health outcomes at lower cost. We connect, train, and certify health care purchasers, and we validate and connect providers delivering superior results. Founded in 2014, the mission of the organization has consistently been to help provide transparency to buyers of health care.

Validation Review Process

Validation Institute has a team of epidemiologists and statisticians who review each program. The team focuses on three components:

- Evidence from published literature that a similar intervention had similar results.
- The reliability and credibility of the data sources.
- The rigor of the approach to calculating results.

To achieve validation, the program has to satisfy each of these components. VI's team then summarizes the review into a report which is publicly available. Details of VI's review are available with the program's permission.