MEDICALLY TAILORED MEALS: THE PROOF



This summary was compiled from peer-reviewed research studies and white papers conducted by members of FIMC for over a decade and is meant to provide a high-level overview of the types of impact that the MTM intervention has had on individuals living with severe, complex or chronic illnesses.

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MEDICALLY TAILORED MEALS IMPROVE HEALTH OUTCOMES & PATIENT SATISFACTION

While receiving MTMs, patients report:

Improved quality of life. 1,3

Fewer days when mental health interfered with quality of life.¹¹

People who receive medically tailored meals experienced:



Improved mental health:

Study participants experienced approximately two fewer depressive symptoms and 13% of respondents reported less binge drinking once they started receiving meals¹



Better diabetes management:

Among patients with type 2 diabetes, 47% reported an episode of hypoglycemia while they were receiving MTM, versus 64% while they were not receiving MTM. BMI decreased from 36.1 at baseline to 34.8 at follow-up.²



Healthier eating habits:

Recipients of MTM reported increasing fruit and vegetable intake to more than 2 times per day.⁴ Saturated fat servings decreased.³



Improved medication adherence:

Among participants with HIV, ARV medication adherence of 95% or greater increased from 46.7% of participants at baseline to 70% of participants at follow-up.³

Snapshot of Key Outcomes Measured for Different Health Conditions ¹⁴

Health Condition	Outcomes with MTM	Result
Multiple health conditions	Self-reported healthier eating	1
	Self-reported healthier status	1
Type 2 diabetes	Healthy Eating Index Score	1
	Dietary quality 18-item Multifactor Screener	1
	Increased efficacy of diabetes management and awareness	s 1
	Depression (Patient Health Questionnaire)	•
	Binge Drinking	•
	Hypoglycemia	•
	Diabetes distress	•
	BMI	•
HIV/AIDS	Dietary quality (18-item Multifactor Screener)	1
	Self-reported ART adherence	1
	Depression Scores	+
	Binge drinking	•
Heart failure	Improvement in cardiomyopathy score	1
Chronic liver disease	Improvement in quality of life metrics	1
	Paracenteses	•



MEDICALLY TAILORED MEALS LOWER HEALTHCARE COSTS

In comparison, nutrition related costs are an inexpensive medical intervention. For the same cost as 1 day in the hospital (approx. \$2,419), many FIMC agencies

can feed someone at home for 6 months.5

Reduction in Net Health Care Costs⁷

Decrease in Hospitalizations⁷

Drop in Emergency Department Visits⁷ Modelled nationally, in just one year. MTMs could save

in healthcare spending

and help avoid

possible hospitalizations.6

Healthcare Cost Savings:

- In a cost-modelling study, national implementation of MTMs for individuals with diet-sensitive conditions and activity limitations could annually avert 1.6 million hospitalizations; and save a net \$13.6 billion in health insurance, with most savings occurring in Medicaid and Medicare.6
- In a study of the effect of MTM, meal delivery correlated with a reduction in health care cost of 16%.7
- The average monthly health care costs for recipients of MTM is 31% lower than those without MTM.⁸
- Average monthly health care costs fell 62% for 3 consecutive months after service began for individuals living with acute or chronic conditions.9
- Managed Care Organizations paid out \$12,000 less per month than for a comparison group without nutrition intervention.10

Fewer Hospitalizations:

- Receipt of MTM was associated with 50% fewer inpatient admissions and 70% fewer emergency visits compared with a matched cohort that did not receive meals.8
- MTM was associated with 70% fewer ED visits, 50% fewer hospitalizations and 72% fewer uses of emergency transport.11
- Among a group of patients with type 2 diabetes, share of hospitalizations fell from 25% to 6.9%. The share of patients reporting visits to the ED fell from 31% to 13.8%.3
- Among a group of patients living with HIV, hospitalizations fell from 10% to
- In a study of the effect of MTM, 93% of recipients of MTM with inpatient hospitalizations were discharged to their homes as compared to only 18% of those without MTM.9
- Receipt of MTM was associated with 72% fewer skilled nursing facility admissions compared to a group that did not receive MTM.11
- Clients receiving MTM were 20% more likely to be released from the hospital to their homes instead of an acute care facility.10
- For clients with heart failure 50% reductions in hospitalizations. 12



FOOD IS MEDICINE INTERVENTIONS IMPROVE FOOD SECURITY. LEADING TO IMPROVED HEALTH

A robust body of evidence links food insecurity to poor health outcomes. Recipients of MTMs report reduced food insecurity from 62% to 42% versus a matched comparison group. 11

Snapshot of Key Outcomes Measured for **Different Health** Conditions 14



Health Condition	Outcomes with MTM	Result
Multiple health conditions	Emergency department visits	+
	Inpatient admissions	.
	Overall health care costs	+
	Admission to skilled nursing facility	•
Type 2 diabetes	Food security	1
	Tradeoffs between health care and food	•
HIV/AIDS	Food security	1
	Tradeoffs between health care and food	•
Chronic liver disease	Days in the hospital	+

Sources:

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