Post-Discharge Meal Distribution Programs

Bethesda NEWtrition and Wellness Solutions

Developed for the Maryland Department of Aging

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Introduction

Background

Seniors leaving the hospital at risk for malnutrition have a higher rate of readmission and death. Some studies estimate that as many as 30% of hospitalized patients may be malnourished at the time of their admission (Sharma et al., 2017) and as many as 49% of older adults are malnourished after discharge. (Buys et al., 2017) A recent study conducted by Sharma et al has shown that impaired nutrition status upon discharge can increase the incidence of readmission to the hospital both in the short-term (0-7 days) and the longer-term (8-180 days) post discharge. (Sharma et al., 2017)

As the US population gets increasingly older, addressing senior malnutrition is becoming more of a priority. The number of Americans aged 65 and older is expected to almost double by 2050 to 88 million (“World’s older population grows dramatically | National Institutes of Health (NIH),” n.d.) and those 85 and older are projected to more than double by 2040 to 14.6 million. (Administration on Aging, 2017)

About the Maryland Discharge Meal Program (MDMP)

The Maryland Discharge Meal Program (MDMP) is part of an initiative put forward by the Maryland Department of Aging (MDoA). The program is funded by an Innovations in Nutrition Programs and Services grant from the Federal Administration for Community Living. The goal of the grant project is: to transform the Maryland Department of Aging’s Senior Nutrition Program (SNP) by using the epidemic of older adult malnutrition as the catalyst to introduce new evidence-based practices, cost-cutting measures, meal products, and service delivery methods that will forge new health care linkages and expand services to older adults in the community. (language from grant application)

The MDMP is a pilot that will provide shelf-stable, medically-tailored meals to 200 seniors being discharged from four hospitals in Maryland. The program partnered with Maryland Food Bank, which was responsible for purchasing, packaging, and distributing meal packages to the pilot hospitals. Hospital staff will then distribute the meal packages to patients leaving the hospital who meet the criteria for the program. Potential participants will be screened for eligibility based on their age, medical condition(s), and risk for malnutrition upon leaving the hospital. The pilot program will particularly focus on addressing malnutrition risk associated with chronic conditions that have been identified as having high readmission rates for these particular hospitals.

A participant will receive one of two medically-tailored meal packages based on their medical needs. For this pilot, two types of meal packages are included. The Carb-Controlled, Heart-Healthy (CC/HH) meal package is low in sodium, meets the DRI for macronutrients (protein, fat, and carbohydrates), and evenly distributes carbohydrates between meals and snacks. The CC/HH packages are intended to be used for participants with diabetes mellitus, hypertension, and/or congestive heart failure. The Enhanced Healing (EH) meal package is higher in protein and calories and has no restrictions on sodium, carbohydrates or fat. The EH package is intended to be used for participants who have higher energy needs due to their medical condition, such as chronic obstructive pulmonary disease. Table I, below, contains a more specific nutritional summary.
<table>
<thead>
<tr>
<th>Meal package type</th>
<th>Calories</th>
<th>Carbohydrates</th>
<th>Fat</th>
<th>Protein</th>
<th>Sodium</th>
</tr>
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<tbody>
<tr>
<td>Carb-Controlled, Heart-Healthy (CC/HH)</td>
<td>1500 – 1700 per day</td>
<td>45-55% of total calories per day • 190 – 220 grams per day • 45 – 70 grams per meal • 15 – 25 grams per snack</td>
<td>25-33% of total calories per day</td>
<td>18% - 20% of total calories per day</td>
<td>Under 2,000 mg per day</td>
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<tr>
<td>Enhanced Healing (EH)</td>
<td>1900 – 2500 per day</td>
<td>No restrictions</td>
<td>No restrictions</td>
<td>Over 100 grams per day</td>
<td>No restrictions</td>
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</table>

**Purpose of this Report**

With increased awareness of the impact of malnutrition on older adults, several initiatives to address this area of concern have been underway both in the US and abroad. Meal distribution programs similar to the MDMP have provided insight into processes, ideas, and potential collaborations that have been tried—both successfully and unsuccessfully—in the past. Takeaways from these programs informed the development of the MDMP. A review of relevant literature and similar programs/initiatives and their takeaways are profiled in the following pages. For each program reviewed, this report includes a compilation of costs and distribution methodology and what each program may do to ensure meals are culturally appropriate, person-centered, or medically-tailored.

**Literature & Program Review**

Community and government programs have taken initiatives to tackle senior malnutrition using innovative care models and nutrition programs. Meals on Wheels America (“Meals on Wheels America,” n.d.) is one program that has been delivering meals to people’s homes for generations, however newer local initiatives are also underway. Table II, below, is a review of some of the programs that have informed the MDMP initiative.

**Review of Post-Discharge Meal Programs, Literature, Insurance Company Initiatives, and Other Similar Programs**

The MDMP is unique in that it targets all seniors who have nutritional risk regardless of socioeconomic status. Several programs in the US provide meals specifically for low-income individuals, such as home delivered meals provided through Medicaid or the Commodity Supplemental Food Program (CSFP) (“Commodity Supplemental Food Program (CSFP) | Food and Nutrition Service,” n.d.). Additional programs serve older adults of any income but target those with economic or social needs, including the Older American’s Act congregate and home delivered meal programs (Administration for Community Living & Administration on Aging, 2014). While there is clearly a need to specifically address low-income seniors, malnutrition risk for seniors impacts all socioeconomic levels and therefore the MDMP does not have an income criteria for inclusion.

Programs reviewed here have a variety of goals and objectives, all centered around addressing high hospital admission and readmission rates, similar to the goals of the MDMP. For example, the Food is Medicine Coalition of California (CalFIMC) is specifically targeting adults suffering from congestive heart failure who they determined are at highest risk of hospital readmission and worsening health outcomes.
(Trust & Food, 2017) The Philadelphia MANNA project is targeting adults with AIDS or other chronic illness that puts them at high nutritional risk. And Flavor Harvest @Home provides their meal services for community members or recently discharged patients who have specific chronic conditions. Other programs only have an age requirement for eligibility, not subject to medical condition.

The types of meals offered by these programs vary widely, and some programs offer a variety of different meal types depending on the need of the participant. The MDMP meals are unique in that they are entirely shelf-stable. Only a few other programs have focused specifically on shelf-stable meals. One such program is the Metropolitan Interfaith Association (MIFA) No Hungry Senior program, which provided 7 shelf-stable meals to seniors who were deemed capable of light meal preparation. Maintaining Active Citizens’ Maryland Malnutrition Model (MDMM) offers shelf-stable emergency food bags and shelf-stable snack bags.

<table>
<thead>
<tr>
<th>Table II: Review of programs and literature similar to MDMP</th>
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<tbody>
<tr>
<td><strong>Food Is Medicine Coalition of California (CalFIMC)</strong></td>
</tr>
<tr>
<td>Overview</td>
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<tr>
<td>Goals</td>
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<tr>
<td>Funding Source(s)</td>
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<tr>
<td>Target Population</td>
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<tr>
<td>Meal Types</td>
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<tr>
<td>Outcomes</td>
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<tr>
<td>Costs</td>
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<tr>
<td>Distribution Methodology</td>
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<tr>
<td>Sources</td>
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<table>
<thead>
<tr>
<th>MANNA (Philadelphia)</th>
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<tr>
<td>Overview</td>
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<tr>
<td>Goals</td>
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<tr>
<td>Funding Source(s)</td>
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<tr>
<td>Target Population</td>
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</tbody>
</table>
• Recent, extended hospitalization
• Start of new medical treatment (ex. chemotherapy, radiation, or hemodialysis)
• Recovery from surgery
• Wound care” ("Apply for MANNA Services - MANNA,” n.d.-a) (Apply for MANNA Services, n.d.)

Meal Types
- Fully-prepared, frozen meals, delivered once a week: 7 breakfasts, 7 lunches, 7 dinners, desserts, and fresh fruit.
- Meals are high in protein, and moderate in carbohydrate, sodium and fat. Offers 11 different dietary modifications, including kidney friendly (low potassium low phosphorous, low sodium), diabetic/heart healthy (carbohydrate and sodium controlled), low lactose, GI friendly (low fiber, mild spice), no pork, no beef, no seafood, mechanical soft, pureed, high protein/high calorie, and children’s menu. Adaptations for personal or religious requirements. Can combine up to 3 modifications.

Outcomes
- MANNA patients who received medically-tailored meals and medical nutrition therapy (MNT) experienced 50% fewer hospital admissions, were 23% more likely to be discharged to their homes rather than another facility, and had 28% lower monthly health care costs.

Costs
- ~$4.40 per meal.
- For the 2017 fiscal year MANNA spent $4,390,043 on meals and services. In their IRS Form 990, MANNA reported serving 995,270 meals in FY 2017. This comes to about $4.40 per meal.

Distribution Methodology Sources
- Meals are provided for the greater Philadelphia area, participants are referred to the program.

Overview
- This agency is focused on improving social determinants of health by providing corresponding services and support. SMAA conducted a 2-year pilot of home delivered meals with 622 patients at high risk of readmission called “Simply Delivered Meals” in affiliation with Maine Medical Center.

Goals
- Reducing 30-day readmission rates post-acute care. Improving emergency department usage and hospital admission rates.

Funding Source(s)
- Hospital partners and grant funding.

Target Population
- Elderly and Medicare patients (for pilot study).

Meal Types
- Meals are frozen, prepared and no bread or milk is given. No information indicates that meals were tailored to be culturally appropriate beyond the different varieties of meals (i.e. vegetarian, gluten-free). Meals were given based on indicated preferences and diagnosis. Meals were specialized (e.g. vegetarian, pureed, regular, gluten free, low sodium, diabetic, renal, other/allergies) and could be packaged to meet multiple needs.

Outcomes
- The 2-year pilot conducted at SMAA demonstrated a 387% return on investment, and a 23% more likely to be discharged to their homes rather than another facility, and 50% fewer hospital admissions.

Costs
- ~$7 per meal.
- For the pilot study, the costs of providing 7 meals to 622 patients was $43,530.

Distribution Methodology Sources
- The pilot was limited to hospital patients being discharged from Maine Medical Center.

Overview
- This project was an extension of an existing intervention at Lee Health in Southwest Florida into the primary care setting. Dietitians were trained to identify malnutrition risk in a primary care setting and patients who were at-risk received 4 weeks of medically-tailored meals along with a clinical dietetic consultation.

Goals
- Improvement in long-term health status (reduced hospital length of stay, lower readmission rates, improved reimbursement opportunities, reduced operational costs) and quicker recovery for recently discharged patients. Improved clinical status was indicated by measures such as weight gain, grip strength, and functional status.

Funding Source(s)
- Grants from Bank of America and The Allen Foundation funded the meals. Funding was for 2 years and supported 60 patients.

Target Population
- Patients being discharged from Cape Coral Hospital and Gulf Coast Medical Center that were identified as at-risk for malnutrition. Specifically targeting frail elderly patients with chronic conditions (especially congestive heart failure, chronic obstructive pulmonary disease, acute myocardial infarction, or pneumonia).
| Meal Types | Meal options were individualized and approved by a RDN based on the patient’s medical condition. Meals were provided for a 7-day period and included 3 meals per day and snacks. Meals were a mix of fresh produce, shelf-stable items and frozen prepared meals. |
| Outcomes | Patients participating in the program were found to have a reduced length of stay in the hospital, improved fluid status and strength, and reduced readmission rates. |
| Costs | ~$10 per meal. The program estimated that meals would cost an average of $840 per person for 4 weeks. Based on 3 meals per day for 28 days, the cost came to about $10 per meal. |
| Distribution | Patients eligible for this program were identified from two area hospitals (Cape Coral Hospital and Gulf Coast Medical Center) using the Flavor Harvest Assessment Screening Tool (FHAST) and a physical exam to identify malnutrition risk. After discharge, Flavor Harvest @Home coordinated the home delivery of meals, using their existing vehicle delivery structure. |
| Goals | Collaborative and encompassing approach to combat malnutrition. |
| Funding Source(s) | Grant funding. |
| Target Population | Seniors at-risk for malnutrition. |
| Mealtypes | The program offers different types of meals based on client needs. There are fresh fully-prepared meals, soups, shelf-stable emergency food bags, and shelf-stable snack bags. Meal bags were designed with input from community members about what would be acceptable to members of the population being served. The RDN meets with each participant to determine the best meal package plan for that person. Food items in the meal packages are low in sodium, fat, and added sugar, and are high in fiber. All meals meet the nutritional standards set by the Maryland Department of Aging and provide one-third of the RDI for older adults and 30 grams of protein. |
| Outcomes | Project is still underway. |
| Costs | ~$3 per meal. Emergency meal bags provide meals for about $3 per meal, coming to about $10 per bag (three meals). |
| Distribution Methodology | MAC is responsible for packaging and distributing the meal packages to participants homes. |
| Sources | (Simon, Beardsley, Davidson, Lachenmayr, & Eagle, 2018) |

### Maintaining Active Citizens Maryland’s Malnutrition Model (MDMM)

| Overview | Maintaining Active Citizens (MAC) is the Area Agency on Aging (AAA) in Salisbury, MD, and serves surrounding counties. Clients receive home visits to establish them for home nutrition services and then are screened for malnutrition risk, food insecurity, and other social determinants of health. Appropriate interventions are put into place based on areas of concern identified in the screening and the client is followed by a community health worker through home visits and follow up calls. Meal packages are provided based on malnutrition and food security risk, and also can be given as “emergency” bags when recently discharged from the hospital. |
| Goals | Collaborative and encompassing approach to combat malnutrition. |
| Funding Source(s) | Grant funding. |
| Target Population | Seniors at-risk for malnutrition. |
| Meal Types | The program offers different types of meals based on client needs. There are fresh fully-prepared meals, soups, shelf-stable emergency food bags, and shelf-stable snack bags. Meal bags were designed with input from community members about what would be acceptable to members of the population being served. The RDN meets with each participant to determine the best meal package plan for that person. Food items in the meal packages are low in sodium, fat, and added sugar, and are high in fiber. All meals meet the nutritional standards set by the Maryland Department of Aging and provide one-third of the RDI for older adults and 30 grams of protein. |
| Outcomes | Project is still underway. |
| Costs | ~$3 per meal. Emergency meal bags provide meals for about $3 per meal, coming to about $10 per bag (three meals). |
| Distribution Methodology | MAC is responsible for packaging and distributing the meal packages to participants homes. |
| Sources | (Simon, Beardsley, Davidson, Lachenmayr, & Eagle, 2018) |

### Metropolitan Interfaith Association (MIFA) No Hungry Senior

| Overview | The Metropolitan Inter-Faith Association (MIFA) serves the Memphis, Tennessee metropolitan area with programs for seniors and families. In 2014 MIFA initiated the No Hungry Senior program in partnership with the Aging Commission of the Mid-South (ACMS), Mid-South Food Bank, Catholic Charities of West Tennessee, the Memphis Jewish Federation, the Common Table Health Alliance, Baptist Memorial Health Care, and Methodist Le Bonheur Healthcare. The program began with a pilot in 2014 with 20 clients and was expanded to 35 in 2015 with the receipt of a new grant from the H. W. Durham Foundation. |
| Goals | The goals of the program are to reduce the number of food-insecure seniors in Shelby County, improve and maintain seniors’ overall health, and reduce hospitalizations and emergency room utilization. |
| Funding Source(s) | Initially, a three-year, $3.98 million grant from the Plough Foundation funded the program. A subsequent $50,000 grant came from the H. W. Durham Foundation for FY2015. Funding also came from the Wal-Mart Foundation and the Jewish Federations. |
| Target Population | Shelby County residents in Tennessee, 60 years or older. Specifically focusing on those that are homebound, recently discharged from hospitals, or particularly challenged by a lack of transportation. Clients were identified from the agency’s Meals on Wheels waiting list. |
| Meal Types | • 5 home delivered hot/frozen meals delivered M-F by MIFA (for highest need clients)  
• 7 shelf-stable meal box delivered weekly by MIFA and Catholic Charities (for those who can do some light meal preparation)  
• 5 home delivered hot/frozen kosher meals per week provided by Memphis Jewish Federation |
### Humana Dine Well

**Overview**

This program provides nutritious meals to eligible Medicare Advantage members recovering from an inpatient stay in a hospital or skilled nursing facility. Meals are also available for some Humana Medicare members who are enrolled in a qualified chronic-condition special needs plan. The chronic conditions supported by this program include diabetes, chronic obstructive pulmonary disorder (COPD), congestive heart failure (CHF) and some other cardiovascular disorders.

**Goals**

Overall goal is to improve member health and wellbeing. Meals are intended to provide proper nutrition after a long-term illness or condition that may have caused loss of important vitamins and proteins. The program doesn't just serve meals, they keep track of patients and know all about their well-being, so that they can provide the proper meals to their door.

**Funding Source(s)**

Health plans/membership.

**Target Population(s)**

Seniors who are Medicare Advantage members.

**Meal Types**

There are several diets a Humana Member could choose from such as regular, pork-free, fish-free, pureed, diabetic, vegetarian, pureed, renal supportive options and kosher meals.

- Patients who have been discharged from a hospital or skilled nursing facility (SNF) receive 10 frozen, packaged, low-sodium meals. Patients can receive meals in conjunction with up to four hospital/SNF admissions per year.
- Patients who are eligible for the chronic condition meals program receive 20 frozen, packaged meals that support the special dietary needs of that chronic condition. Patients with multiple conditions can receive multiple benefits.

**Outcomes**

Humana Medicare Advantage members who participate in the Well Dine delivery program have fewer hospital readmissions, shorter hospital stays and fewer emergency-room visits.

**Costs**

No cost to the recipients, cost per meal unreported.

**Distribution Methodology**

Via health care providers; health care providers send a referral and Humana arranges meal delivery.

**Sources**

(“Humana and Well Dine Deliver Program’s One Millionth Meal in Knoxville | Humana Healthcare,” 2010), (Humana Inc., 2019)

### Better Meals (Vancouver)

**Overview**

Established in 1993, Better Meals offers a wide selection of nutritious meals and à la carte food items including breakfast, homemade pies, side dishes, and 3 course dinners (soup, entree, and dessert), fresh sandwiches and wraps, snacks, and à la carte individual dinners. Meals are delivered in the service area of Greater Vancouver, Fraser Valley, Greater Victoria, Mid Vancouver Island and into the Okanagan and Interior.

**Goals**

Providing natural, tasty and beneficial meals with nutritional value conveniently delivered. They strive to provide meals made from scratch that are:

- Cooked using healthy fats and minimal added salt
- Provide adequate calories and protein to support health during illness and healing
- Evocative of warm memories and feelings of comfort
- Culturally appropriate
<table>
<thead>
<tr>
<th>Funding Source(s)</th>
<th>Money collected for the meals; individuals place orders online and weekly delivery is free.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Population</td>
<td>Seniors in the service area of Greater Vancouver, Fraser Valley, Greater Victoria, Mid Vancouver Island and into the Okanagan and Interior.</td>
</tr>
<tr>
<td>Meal Types</td>
<td>Regular, diabetic, low sodium, minced, and à la carte. Meals are made with:</td>
</tr>
<tr>
<td></td>
<td>• No MSG or preservatives are added</td>
</tr>
<tr>
<td></td>
<td>• Natural spices are used to reduce sodium</td>
</tr>
<tr>
<td></td>
<td>• Full course and à la carte meals are blast frozen to maintain freshness and preserve nutrients</td>
</tr>
<tr>
<td></td>
<td>• Salads and sandwiches are prepared shortly before their arrival for a refreshing taste</td>
</tr>
<tr>
<td>Outcomes</td>
<td>Not reported.</td>
</tr>
<tr>
<td>Costs</td>
<td>~$6.75 per meal.</td>
</tr>
<tr>
<td>Distribution</td>
<td>Home delivered meals; delivered weekly (free); orders may be placed online.</td>
</tr>
<tr>
<td>Methodology</td>
<td>Home delivered meals; delivered weekly (free); orders may be placed online.</td>
</tr>
<tr>
<td>Sources</td>
<td>(“Better Meals,” 2019)</td>
</tr>
</tbody>
</table>

**Community Servings**

**Overview**

Community Servings is a Boston-based not-for-profit organization with a 27-year history of providing medically-tailored meals and nutrition services to individuals and their families coping with critical and chronic illnesses. They provide 2 meals per day for 5 days per week to provide 50-67% of daily needs. Eligibility is based on extent of illness, clients’ lack of mobility, and factors that make it difficult to cook and shop (food desert, wheelchair, not able to carry groceries). The program also provides nutrition education and counseling for clients who are no longer in need of delivered meals.

**Goals**

Improve health outcomes for critically ill clients and reduce health care costs.

**Funding Source(s)**

Funding from charitable financial, in-kind donations from corporations, foundations and individuals.

**Target Population**

Critically ill individuals including adults and children.

**Meal Types**

17 medical diets with up to three combinations per patient including bland – mild and low in sodium, children’s menu, chopped/soft, diabetic, heart-healthy, low-fat/low cholesterol, low fiber, no citrus/tomatoes, no dairy, no eggs, no fish/shellfish, no nuts, no poultry, no red meat, low vitamin K, renal, vegetarian, and nausea care packages.

**Outcomes**

Study to look at role of medically-tailored meals on health of clients from the perspective of healthcare workers (case managers, nurses, physicians) who referred patients to Community Servings’ services through qualitative interviews and online surveys found improved psychosocial well-being (relieved anxiety so that energy can be focused on treatment); promoted healthy weight (stabilize or gain weight); provided high-quality, holistic care (care for the whole patient); improved adherence to medications and treatments (reduces side effects).

96% reported that the meal program improved their clients’ health; 65% believed the program resulted in decreased hospitalizations; 94% believed the program significantly improved patients’ access to healthy food; 16% net reduction in average monthly health care costs for patients who received the Community Serving home delivered, medically-tailored meals.

**Costs**

$350 monthly per person.

**Distribution Methodology**

Home delivered meals. They deliver to 20 different cities or 300 square miles; clients outside of delivery area can pick up meals.

**Sources**

(Berkowitz et al., 2018), (“Community Servings Food Heals,” 2019), (“Financials | Community Servings,” n.d.)

**Diabetes Initiative Food Box – Feeding America**

**Overview**

Feeding America Diabetes Initiative provides diabetes-appropriate food to clients through monthly or bi-monthly food distributions. The Feeding America Diabetes Initiative was piloted at three member food banks that offered tailored services to people with diabetes. These services included nutrition education, blood sugar monitoring, healthy food and referrals to primary care providers.

**Goals**

Improve diabetes outcomes and reduce food insecurity.

**Funding Source(s)**

Funding from the Bristol-Myers Squibb Foundation, the Food Bank of Corpus Christi (Corpus Christi, TX), the Mid-Ohio Foodbank (Columbus, OH) and the Redwood Empire Food Bank (Santa Rosa, CA).

**Target Population**

Individuals with diabetes struggling with food insecurity.
### Meal Types

**Diabetes-friendly diet box.** Food items provided include whole and unrefined grain products, fresh fruits and vegetables, canned fruits in own juice, low-sodium vegetables, sauces, soups, low-fat dairy, lean meats, and beans.

### Outcomes

Individuals with diabetes showed improvements in pre-post analyses of glycemic control (hemoglobin A1c decreased from 8.11% to 7.96%), fruit and vegetable intake (which increased from 2.8 to 3.1 servings per day), self-efficacy, and medication adherence. Among participants with elevated HbA1c (at least 7.5%) at baseline, HbA1c improved from 9.52% to 9.04%.

Lessons learned from this pilot include:

- Clients requested utensils, spices and cooking oil needed to cook items in the food boxes.
- Providing recipes and tips was found to be valuable.

### Costs

~$0.38 - $0.94 per meal.

On average, boxes cost $16 and are intended to support meals for 1-2 weeks. If recipients are averaging 3 meals per day from the contents of these boxes, this comes to approximately $0.38 - $0.94 per meal.

### Distribution Methodology

Two general methods of distribution:

- Clients coming to food pantries are screened for diabetes, then offered a diabetes-friendly box to help them make good choices for their meals.
- Provider referral. Clients without a doctor are referred to a local provider who can make sure they get the healthcare services, including medication and blood sugar testing supplies that they need to manage their disease.

### Sources

(Prendergast, 2014), (Seligman, Bindman, Vittinghoff, Kanaya, & Kushel, 2007), (Seligman et al., 2015) (Feeding America, 2019), (Feeding America, n.d.)

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### Food & Friends

**Overview**  
Food & Friends provides meals, groceries, nutrition counseling and a two hour cooking class called CHEW to people living with life-challenging illnesses such as HIV/AIDS and cancer. Determination of eligibility is entirely health-based. Food & Friends has no requirements for income or insurance coverage.

**Goals**  
To improve the lives and health of people with HIV/AIDS, cancer and other serious illnesses that limit their ability to provide nourishment for themselves.

**Funding Source(s)**  
Financial support comes from individuals, corporations/foundations, public funding and in-kind donations from corporations and individuals.

**Target Population**  
To be eligible for services, one must have AIDS, cancer, poorly-controlled diabetes or be receiving hospice care, have a compromised nutritional status and a limited ability to prepare his/her own meals. Food & Friends’ clients must be referred by a healthcare provider.

**Meal Types**  
11 different meal plans including regular, pureed, diabetic, shelf-stable, renal, no dairy, heart-healthy, soft, vegetarian, no fish, and gastrointestinal friendly. Each Food & Friends meal delivery contains 2 days-worth of food including a variety of fresh and frozen components. Each delivery includes food for breakfast, lunch and dinner, along with liquid nutritional supplements, as needed.

**Outcomes**  
858,021 meals served to 2,624 clients in 2017. Health outcomes improved – 72% reported improved health, 76% felt better able to follow their doctor’s orders, 73% reported being better able to manage the side effects of their treatment or medications, 66% reported fewer hospitalizations after receiving services, 88% found it less stressful to provide food for themselves and their family.

**Costs**  
No cost/fee for services to clients.

**Distribution Methodology**  
Meals are delivered by volunteers and staff.

**Sources**  
("Food & Friends," n.d.)

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### New Opportunities, Inc.

**Overview**  
New Opportunities, a senior nutrition services provider, partnered with Care Transitions, a care management coordination provider to provide high risk hospital patients meals for 30-90 days and nutrition counseling and education.

**Goals**  
To prevent readmission for high risk seniors recently transitioning from hospital to home.

**Funding Source(s)**  
The CT Community Foundation and Meals on Wheels.

**Target Population**  
High risk seniors recently transitioning from hospital to home. For the pilot, 4 individuals were selected from a partner health provider.

**Meal Types**  
2 medically appropriate meals per day.
### Outcomes

In a five-month period the program showed a 100% success rate keeping four patients referred to the program at home for 60 days or more.

### Costs

The program spent $1,500 for four patients over 60 days.

### Distribution Methodology

Home delivered meals. Drivers deliver the meals. The program trained drivers to track health status and send report back to Senior Nutrition Services and they would contact cardiologist if there were red flags.

### Sources

(American Society on Aging, 2017)

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#### God’s Love We Deliver (GLWD) – New York

**Overview**

The program prepares and delivers nutritious, high quality meals to people who, because of their illness, are unable to provide or prepare meals for themselves. GLWD also provides illness-specific nutrition education and counseling to clients, families, care providers and other service organizations. All services are provided free of charge without regard to income.

The program provides home delivered meals determined by an RDN and executive chef. Each week clients receive 10 meals, as well as nutrition counseling and education. Clients get their first meal within 1-4 days of signing up.

The program also provides nutrition tip guides for HIV, breast cancer, colorectal cancer, and prostate cancer as well as older adults and caregivers.

**Goals**

GLWDs aim is to improve the health and well-being of men, women and children living with HIV/AIDS, cancer and other serious illnesses by alleviating hunger and malnutrition.

**Funding Source(s)**

Funding includes government, private including corporations and foundations, and individual giving.

**Target Population**

Men, women, and children living with HIV/AIDS, cancer, Alzheimer’s disease, ALS, Parkinson’s disease and other life-altering illnesses throughout the five boroughs of New York City, Westchester and Nassau Counties, and Hudson County, NJ.

**Meal Types**

Medically-tailored meals with choices that include regular, modified, children’s and vegetarian. They follow a four-week menu cycle with each meal containing a soup, entrée, bread and dessert. Clients with special needs work with a RDN.

**Outcomes**

7000 served annually; 1.2 million home delivered meals; 90% of clients live below the poverty line.

**Costs**

Free to clients.

**Distribution Methodology**

Home delivered to 5 boroughs of NYC, Hudson County, and 2 congregate sites in Newark, NJ.

**Sources**


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#### Home Plate Meal Program

**Overview**

The Home Plate Meal Program (HPMP) is administered by the Johnson County Area Agency on Aging. The program is supported by the Older Americans Act and provides short-term meal service to seniors and retired veterans post hospital discharge.

Once a patient is discharged from the hospital, they are referred to the HPMP by a discharge planner or social work staff member. Following referrals, staff member at the Johnson County Area Agency on Aging contacts patient within 72 hours of hospital discharge to make arrangements to deliver a meal package.

A nutrition assessment is completed within 3 days of discharge and follow-up calls are made to evaluate additional service needs such as a home-visiting nurse, ongoing nutrition services, etc.

**Goals**

The program goal is to assist seniors and retired veterans in their recuperation, decreasing the incidence of hospital readmission.

**Funding Source(s):**

Government and clients (donations).

**Target Population**

Patients age 60+, homebound, and discharging to a home in Johnson County from a participating hospital/rehabilitation facility.

**Meal Types**

Microwavable 7-day frozen meal package (meat entree, vegetable, fruit, dessert, and whole wheat bread or cornbread, and milk).

**Outcomes**

Program is currently suspended.

**Costs**

Donations accepted as payment.

**Distribution Methodology**

Following a referral to the HPMP, a staff member with the Johnson County Area Agency on Aging will contact the patient to make arrangements to deliver the 7-day frozen meal pack to the patient at home within 72 hours of hospital discharge.

**Sources**

(“Home Plate Meal Program | Johnson County Kansas,” n.d.)
### Independent Living Systems (ILS)

| Overview | Independent Living Community Services Inc. (ILS) is a non-profit organization in Miami-Dade County, Florida. ILS aims to deliver meals, community-based services that improve the daily living experience for special needs populations from children to the elderly as well as rebalancing costs across the healthcare system. The program offers home delivered meals, nutrition counseling and care coordination. ILS currently delivers 800,000 meals per month through Care Delectable meal delivery. |
| Goals | The program seeks to improve community-based care transitions, outcomes, and reduce readmissions and overall cost. |
| Funding Source(s) | Government sponsored and private insurance plans. |
| Target Population | The elderly, special needs, and at risk-populations in Miami with qualifying health plans. |
| Meal Types | Offer 10 frozen home delivered meals (regular heart friendly, fish free, pork free, diabetic, gluten free, renal, vegetarian, puree, kosher). |
| Outcomes | Florida’s Experience: Expanding the CMS Care Transition  
- Community readmission rate: 22.1%  
- 30-day readmission rate: 13.5% (meals only)  
- 30-day readmission rate: 7.6% (meals and nurse visit)  
- Post discharge 10 frozen meal packages, data shows reduced readmission rates  
- From June 2015- April 2015: readmission rate decreased by 65% |
| Costs | ~$8.90 per meal. The service used is Care Delectables. After discount, Care Delectables meals cost $89.00 for a 10-pack excluding applicable taxes. |
| Distribution Methodology | Meals are delivered to the home immediately upon discharge from a hospital or nursing home. Care Delectables delivers via 2nd day air freight in dry ice in specially designed packaging. Meals can be heated in a conventional oven or microwave by following simple instructions. |

### Carer Gateway (Australia)

| Overview | Carer Gateway provides meal assistance, including but not limited to the following: provisions of meals at a community center or at home, help preparing meals at home, help with shopping for food, help with making meals and storing food in the home, help with learning to cook, and delivering meals to the home. The starting point to accessing the service is My Aged Care, a service funded by the Australian Government. |
| Goals | To help older people live as independently as possible. |
| Funding Source(s) | Australian government. The National Disability Insurance Scheme (NDIS) can be used to fund assistance with meal planning, preparation, and cooking as well as delivered meals. |
| Target Population | Individuals 65 years or older (50 years or older and identify as Aboriginal or Torres Strait Islander person) or 50 years or older (45 or older for Aboriginal and Torres Strait Islander people) and low income, homeless or at risk of being homeless. |
| Meal Types | Help with shopping for food, help with making meals and storing food in the home, help with learning to cook, delivering meals to the home, and providing meals at a community center. |
| Outcomes | None available at this time. |
| Costs | Varies. |
| Distribution Methodology | Meals can be home delivered and many programs rely on non-government organizations to deliver services. |
| Sources | (“Meals Assistance | Carer Gateway | Australian Government,” 2018) |

### Seniors Community Care (Australia)

| Overview | The Seniors Community Care program offers clients prepared meals that are delivered to the home. The program has an extensive menu that provides both fresh chilled and frozen meals. The nutritious and healthy meals are prepared and home delivered twice a week. |
| Goals | Seniors Community Care aims to offer services of the highest standard and support independent living for individuals. |
| Funding Source(s) | Cost of meals paid for by individual(s) ordering the food/meals. |
### Maryann's Kitchen (Australia)

**Overview**
Maryann’s Kitchen offers fresh, healthy and home delivered meals for people who are elderly, disabled, and recovering from illness and surgery.

**Goals**
Meal delivery is their primary goal.

**Funding Source(s)**
Fee for meals.

**Target Population**
Elderly, disabled, and those recovering from illness and surgery.

**Meal Types**
They offer a different meal each day, over a 28 day period, with menus changing every 6 months. They offer a special weekend menu. Meals consist of a main course, with choice of dessert or soup or salad. Meal types include regular and diabetes. They cater to special dietary needs on an individual basis.

**Outcomes**
None available.

**Costs**
~$7 per meal.

$14.00 per day per 2 course meal or $70.00 per week.

**Distribution Methodology**
Meals can be delivered daily hot or cold. Daily, weekday and weekend meal plans available. Extra surcharges may apply if ordering less than 5 meals per week.

**Sources**
("Home - MARYANN'S KITCHEN," 2019), (Maryann’s Kitchen, 2018)

### Tender Loving Cuisine (Australia)

**Overview**
Tender Loving Cuisine (TLC) was established in 1995 and provides meals with a homemade taste at an affordable price. TLC delivers meals frozen.

**Goals**
TLC aims to improve the quality of life for older people and individuals in need by providing the highest quality meals.

**Funding Source(s)**
Fee for meals.

**Target Population**
All ages.

**Meal Types**
Regular, diabetes friendly, gluten-free, heart friendly, dairy-free, low salt, textured soft, minced moist.

**Outcomes**
None available.

**Costs**
~$8.40 to $13.75 per meal.

Saver menu cost starts at $8.40 per meal, premium meals start at $13.75; bundle packages can further reduce meal prices.

**Distribution Methodology**
Delivered to the home, business or senior village.

**Sources**
("Our Mission - Tender Loving Cuisine," n.d.)

### Swedish Municipal Food Distribution

**Overview**
The program offers two key services, including: (1) The municipal Food Distribution service (FD) which provides services targeting individuals who are unable to do their own grocery shopping, and prepare their own meals and (2) home delivered meals.

**Goals**
The goal of the program is help elderly people and those with disabilities age in place.

**Funding Source(s)**
Elder care in Sweden is funded by municipal taxes and government grants. In 2014, the total cost of elderly care in Sweden was SEK 109.2 billion (USD 12.7 billion, EUR 11.7 billion), but patient charges were only 4% of the cost. Healthcare costs paid by the elderly are subsidized; the degree of subsidization is based on specified rate schedules.

**Target Population**
Persons who are unable to do their own shopping, and prepare their own meals.
**Impact on the MDMP**

**Meal Packages**

Review of previous and ongoing meal package programs from this report have informed the development of the MDMP meal packages’ menu and design. An example of two menus from programs profiled in this report is found in Appendix A. Familiarity and recognizability of the food items in the meal packages was an important aspect of the menu design. This way, once the meal packages run out participants can recognize and find replacement food items to purchase that also fit their nutritional needs. For example, a patient with heart failure might leave the hospital with an order to follow a low-sodium diet. When they are given the CC/HH meal packages and the accompanying menu they will know that they are eating a low-sodium diet and they will get a better idea of what it is like to follow this type of diet. Once they have consumed all of the MDMP meals, they can then purchase foods that are similar to those found in the meal packages, such as low-sodium soups.

The cost of meals in other programs was scrutinized for reference. Meals from the programs profiled in this report tended to cost an average of $10 or less, with some as low as $3 per meal. The MDMP packages aim to meet or exceed the cost effectiveness of these meals. Many of the food items can be purchased at discount stores such as Walmart and Dollar Tree. These stores are also usually accessible in most locations, even those considered to be “food deserts.” This way, once the participant has consumed the meal packages, they will be able to find replacement items easily and affordably.

The flexibility and cost-effectiveness of prepackaged, shelf-stable foods was determined to be useful for the MDMP. The MDMP meal package food items are entirely shelf-stable, require minimal preparation, and are easy to open. Almost all of the other programs profiled in this report included a component of fresh or frozen, fully-prepared meals. As the MDMP progresses through and beyond the pilot period, it will be important to assess whether including a fully-cooked meal option in the program will be cost-effective, viable and appealing to clients.

**Educational Materials**

Evaluating other programs illuminated the need for effective educational materials to inform participants as well as staff. A sample of an educational handout can be found in Appendix B. Educational materials are designed to accompany the MDMP meal packages and also to inform the hospital staff/healthcare workers that are providing the meal packages. Other programs’ materials also informed MDMP workflow, including a patient selection flowsheet, ordering protocol, and additional resources for patients who do not meet the criteria or need additional help to access assistance. A sample of workflow and patient selection can be found in Appendix C. Some programs had specific referral forms (seen in Appendix D). The MDMP does not use referral forms but a patient selection flowchart to determine patient eligibility as well as a consent form for the patient to sign.
Target Population
The MDMP is specifically intended to address malnutrition risk in older adults. The program further focuses on chronic conditions that have the highest rate of readmissions for the pilot hospitals. Many of the other programs that were reviewed were not specific to senior populations, but addressed malnutrition risk for specific sub-populations based on income, disease, or insurance type. Malnutrition risk was sometimes identified using an assessment tool either developed by the program or an established verified tool. However, almost every program focused on specific medical conditions that are highly associated with malnutrition risk. Almost invariably, programs did not approach participant identification using a diagnosis of malnutrition as an eligibility criterion. The MDMP quickly discovered through review of similar programs and through collaborations with pilot hospitals that eligibility assessments needed to focus on specific medical conditions and risk-assessment tools to determine eligibility rather than relying on a diagnosis of malnutrition or referral for malnutrition treatment.

Other Impacts & Considerations
One theme that frequently emerged in this review of similar programs was the importance of inter-institutional collaboration and effective communication between partners. A report on the progress of the MIFA No Hungry Senior initiative (Member Partnership Guide: Keys To Greater Collaboration and Impact to Better the Lives of Older Adults, 2016) stated that one of the challenges for the program was the great number of collaborators involved. They found that effective communication would be a key to success for similar programs. As MDMP moves forward and more partner organizations get on board, setting up frequent meetings and having communication platforms to keep everyone apprised and engaged in ongoing efforts will be paramount.

Funding for these programs came from a variety of sources. The meals cost on average $10 or less for the programs profiled in this report. The packages currently being designed for the MDMP pilot average about $11.50 for a full day (3 meals, 2 snacks) or $2.30 per meal/snack (for food costs alone). Although this cost is on par with or less than these other programs, it will still require adequate and ongoing funding to be effective. Federal and State grants can provide financial support from the public sector, but the program can also look to private-sector and healthcare funding sources. For example, if partnering with a non-profit organization the program could take a note from MANNA in Philadelphia and utilize philanthropic donations from individuals and organizations. MDMP can also look to funding from private pay, insurance reimbursement, etc.

Many of these programs relied on volunteers to distribute and package food. Transportation will be required while meals are being distributed to clients in the community and while procuring items for the meal packages. This transportation requires vehicles, gas, and drivers. MDMP is addressing this through several different avenues. In some cases, participant hospitals have community health workers who are visiting discharged patients at home as part of their transitional care. This will provide an opportunity for the packages to be delivered during these visits. In other scenarios, the patient will be returning to the hospital’s transitional care clinic for a follow up visit and they will receive the packages there. This has an added advantage of providing an additional incentive to the patient to return for their follow-up visits. However, the issue of transportation and accompanying costs and required resources will be an ongoing issue area to look at while expanding the program.
Continual Network Support and Feedback
As the MDMP pilot progresses, continued support and feedback from a network of groups working on similar initiatives will be essential. As much as previous projects have impacted the MDMP design and process, groups around the US and abroad are concurrently working on initiatives or evaluating results from projects that can continue to help to inform the MDMP pilot and ultimately the expansion of the larger Maryland implementation.

Slack Network
The MDoA has brought together representatives from a variety of programs and initiatives around the country virtually using a Slack network (www.slack.com) to share materials, information and perspectives. Slack is an online networking tool that provides a shared collaborative workspace that combines communication through chat and instant messaging with sharing documents and other resources. MDoA intends to use this online network of collaborators to support the MDMP initiative and, in turn, provide support to other similar ongoing and future programs.

Quarterly Phone Meetings
Once a quarter, members are invited to a telephone conference call hosted by the MDoA MDMP representatives. Members range across acute, post-acute and community-based providers and are from 20 different states across the United States. Each quarter 1-2 programs are highlighted to share details about their initiative, outcomes, and ongoing processes. This collaborative space is yet another way to share ideas, provide feedback, and learn from other programs to provide ongoing support to the MDMP and other initiatives around the country.

Conclusion and Acknowledgements
Maryland, and all states across the US, have an exciting and challenging opportunity to address senior malnutrition and chronic illness with post-discharge meal package programs. The MDMP is a unique example for others to consider, given it is entirely shelf-stable, medically-tailored, and connects patients discharged from hospitals to resources in the community and resources in their doctor’s office.

The authors wish to thank and acknowledge similar programs and initiatives around the country and around the globe which have informed the development of the MDMP. We also thank the Maryland Department of Aging’s staff, Laura Sena, MSPH, RD, LDN and Judy Simon, MS, RD, LDN for their contributions by editing this material and compiling much of the foundational information presented in this document. The Maryland Department of Aging’s work coordinating the national peer network has facilitated cross-organizational discussions and will continue to impact the program as MDMP is implemented and eventually grows to a larger initiative.
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Appendix A: Sample Menus

GOD’S LOVE WE DELIVER MODIFIED MENU 2018

<table>
<thead>
<tr>
<th>Mondays</th>
<th>Tuesdays</th>
<th>Wednesdays</th>
<th>Thursdays</th>
<th>Fridays</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Soups</strong></td>
<td><strong>Soups</strong></td>
<td><strong>Soups</strong></td>
<td><strong>Soups</strong></td>
<td><strong>Soups</strong></td>
</tr>
<tr>
<td>Onion Barley Soup</td>
<td>Vegetable Chowder</td>
<td>Pink Pea Soup</td>
<td>Lentil Vegetable Soup</td>
<td>Black Bean Soup</td>
</tr>
<tr>
<td>Potato Kale Soup</td>
<td>Black Eyed Pea Soup</td>
<td>Lentil Leek Soup</td>
<td>Nourish Miso Soup</td>
<td>Spinach Lentil Soup</td>
</tr>
<tr>
<td>Garbanzo Barley Soup</td>
<td>Vegetable Noodle Soup</td>
<td>Curried Carrot Soup</td>
<td>Mushroom Barley Soup</td>
<td>Feta White Bean Soup</td>
</tr>
<tr>
<td>Lentil Vegetable Soup</td>
<td>White Bean Kale Soup</td>
<td>Spelt Pea Soup</td>
<td>Split Pea Soup</td>
<td>Spiced Lentil Soup</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th><strong>Entrées</strong></th>
<th><strong>Entrées</strong></th>
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<th><strong>Entrées</strong></th>
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</thead>
<tbody>
<tr>
<td>Ginger Glazed Salmon w/Asian Slaw, Fried Brown Rice, &amp; Mixed Vegetables</td>
<td>Curry Chicken w/Rice, Carrots, Zucchini, &amp; Pearl Onions</td>
<td>Beef Bolognese w/Pasta &amp; Mixed Vegetables</td>
<td>Lentil Vegetable Stew Rice</td>
<td>Chicken w/Mango Chutney, Broccoli, Red Pepper &amp; Roasted Mushrooms White Rice</td>
</tr>
<tr>
<td>Roasted Tilapia w/Black Bean Salad, White Rice, &amp; Mixed Vegetables</td>
<td>Lemon Grass Tilapia w/Vegetable Rice &amp; Mixed Vegetables</td>
<td>Curry chicken stew Cauliflower &amp; Broccoli</td>
<td>Tofu Eggplant Caponata Whole Wheat Pasta, Broccoli &amp; Roasted Red Peppers</td>
<td>Fried Brown Rice</td>
</tr>
<tr>
<td>Thai Lemongrass Tilapia w/Vegetable Rice &amp; Mixed Vegetables</td>
<td>Baked Fishcake w/Red Pepper Pasta &amp; Mixed Vegetables</td>
<td>Chicken Stuffed w/Rice, Broccoli &amp; Cauliflower</td>
<td>Chicken &amp; Brown Rice</td>
<td>Fried Brown Rice</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Dessert</strong></th>
<th><strong>Dessert</strong></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Apple Cranberry Cake</td>
<td>Pineapple Ripe Cake</td>
<td>Cranberry Scone</td>
<td>Orange Lemon Cake</td>
<td>Old Stone</td>
</tr>
<tr>
<td>Zucchini Bread</td>
<td>Apple Cinnamon Cake</td>
<td>Mixed Berry Cake</td>
<td>Apple Ginger Cake</td>
<td>Apple Ginger Cake</td>
</tr>
<tr>
<td>Peach Cake</td>
<td>Pear Spice Cake</td>
<td>Coconut Cake</td>
<td>Cranberry Scone</td>
<td>Cranberry Scone</td>
</tr>
<tr>
<td>Vanilla Pound Cake</td>
<td>Blueberry Sorbet</td>
<td>Blueberry Crumb Cake</td>
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<td></td>
</tr>
</tbody>
</table>

*Menus are subject to change without prior notice. May contain soy, eggs, and wheat.

Source: (God’s Love We Deliver, 2018)
# March 2019 Wellness Menu

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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</table>

Different iterations occur throughout the month, with some having turkey meatloaf, or Turkey Bolognese and various sides.
Appendix B: Sample Educational Material

Food is Medicine Coalition (FIMC)

FIMC is a an association ot nonprofits across the nation that provide a complete, evidence-based, medical food and nutrition intervention to critically and chronically ill people in their communities.

If you are sick and hungry in the United States, there is no federal nutrition support for you, unless you have HIV, and even that is not adequate to cover all who are in need. To meet this need, FIMC agencies raise most of their budgets, and some are forced to create waiting lists, because the need in their communities is so great. As more and more people are diagnosed with chronic illnesses that require specific diets, this need will only grow.

Our clients are a complicated population, often living with multiple co-morbid illnesses. They require nutrition counseling and tailored meals not available from traditional meal or food providers.

The Need

- 57% Predicted rise in chronic illnesses by 2020 (WHO)
- 86% Portion of healthcare spending attributed to individuals with chronic health conditions (CDC)
- 92% Older adults with at least one chronic disease
- 77% Older adults with at least two chronic diseases
- 1 in 3 People enter the hospital malnourished

The Intervention

- MTM are a low-cost/high-impact intervention.
- Medically tailored meals (MTM) are meals approved by a Registered Dietitian Nutritionist (RDN) that reflect appropriate dietary therapy based on evidence-based nutrition practice guidelines to address a medical diagnosis, symptoms, allergies, medication management and side effects to ensure the best possible nutrition-related health outcomes. MTM are often paired with medical nutrition therapy (MNT), an evidence-based application of the Nutrition Care Process (Academy of Nutrition and Dietetics) focused on prevention, delay or management of diseases and conditions, and involves an in-depth assessment, periodic reassessment and intervention.

The Solution

- By making medically tailored nutrition a reimbursable service in our healthcare system for this high risk, high need, high cost population, we can produce:
  - Better health outcomes
  - Lower cost of care
  - Improved patient satisfaction

The Outcomes

- 16% net healthcare cost savings
- 28% reduction in hospitalizations
- 23% more likely to be discharged to home
- 50% increase in adherence
- 11 new studies on the impact of MTM are in progress across the country at FIMC agencies

Source: (Food is Medicine Coalition (FIMC), 2018)
Appendix C: Sample Workflow

Assess Nutrition Consult Triggers for Patients ≥ 60 years

1. Assess Nutrition Consult Triggers for Patients greater than or equal to 60 years. (Qualifying triggers: Shelby County resident, unplanned weight loss, poor oral intake, chewing/swallowing problems, pressure ulcer). (Disqualifying triggers: Home tube feeding, Home TPN, pureed diet).

   a. If no, Stop.

2. If yes, Hospitals conduct nutrition screening - CoactionNet.

3. If the score is less than 10, STOP.

4. If the score is greater than or equal to 10, decide if the patient should be discharged to home.

   1. If No: Stop.

5. If yes, enroll in No Hungry Senior and send patient home with 7-meal/7 snack box at discharge.

   MIFA: If patient enrolled in No Hungry Senior and send patient home with 7-meal/7 snack box at discharge, determine type of nutrition support and conduct 30-day reassessment (phone).

Source: MIFA No Hungry Senior program
Appendix D: Sample Referral Form

Application for Meals for Care Transitions

Project Angel Heart prepares and delivers medically tailored meals to help reduce patients’ risk for readmission. Through our Meals for Care Transitions program, patients receive three meals per day for 30 days. Please complete the form below to initiate meals for your patient.

Today’s Date ____________________________ Discharge Date ____________________________

**Patient Information:**

First Name ____________________________ Last Name ____________________________
Physical Address ____________________________
City ____________________________ Zip ____________________________ Phone ____________________________
Primary Language ____________________________

☐ Partially or Legally Blind ☐ Deaf ☐ Hard of Hearing

Is the patient our primary contact? ☐ Yes ☐ No

If not, who should we contact? Name ____________________________ Phone ____________________________

Emergency Contact ____________________________ Phone ____________________________
Relationship ____________________________

**Referring Provider/Case Manager/Dietitian:**

Name ____________________________ Phone ____________________________
Agency/Hospital ____________________________ Authorization ____________________________

**Diet:**

☐ Standard Healthy Diet (full-flavored, no modifications)
☐ Renal Friendly (lower in sodium, potassium and phosphorus)
☐ Heart Healthy (lower in fat and sodium)

☐ Naked (no sauces or seasonings)

*diet offerings vary, please confirm with your supervisor

**Delivery Information:**

Nearest Intersection ____________________________
Description of residence (apt/house, color, etc.) ____________________________

Additional info (if applicable, name of apt. complex, door code, preference of front door or back, etc.) ____________________________

Source: (“Application for Project Angel Heart meals - Project Angel Heart,” n.d.)