OLDER MAINERS, EMPTY PLATES:
RESEARCH ON SENIOR FOOD INSECURITY IN MAINE

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EXECUTIVE SUMMARY

Older adults face many risks and hardships such as fixed incomes, limited mobility and health problems that often get worse as they age. For this vulnerable population, food security only exacerbates their situation. While food insecurity is a trying and volatile situation for anyone, seniors suffer particularly difficult consequences. Seniors facing food insecurity are twice as likely to have overall poor health conditions than food secure elderly. They also have an increased risk of chronic health issues such as heart attacks, congestive heart failure and depression. Seniors experiencing marginal food insecurity have the functional abilities of someone 14 years older. With fixed incomes and rising costs, older adults have a difficult time protecting themselves from food insecurity and hunger. In some cases, seniors that have enough money to buy food do not have the resources to access or prepare it due to functional limitations, transportation difficulties or health issues.

Over the past 10 years, the number of seniors facing marginal food insecurity in the United States has more than doubled. In the next 15 years, older adults will be about 20% of the population and by 2050, the number of seniors in the United States will almost double. With this increase in both numbers and proportions of seniors in America, the need and demand for services for older adults will only rise. Understanding and tackling food insecurity among seniors is therefore an urgent public health issue.

Maine has more food insecure seniors than the average state in the U.S. Roughly 45,600 seniors in Maine experience food insecurity—double the number in that situation in 2010—and an additional 56,000 face the threat of hunger. At almost 14%, Maine’s senior food insecurity rate is the 12th highest rate in the nation and the worst in Northern New England. In 2014, Maine entered the top 10 worst states for very low food security among seniors—the most severe category of hunger measured. The state’s historic increases in senior food insecurity are likely to get worse as the senior population grows. In the next 15 years, the proportion of elderly residents in Maine is projected to double. Every day, 50 Mainers turn age 65, making it the oldest state per capita. These numbers necessitate a response that can meet the current needs of the elderly and prevent future increases in senior food insecurity.

Maine seniors often suffer in silence and are forced to make compromising choices, especially when it comes to food. Therefore, initiatives serving seniors in any capacity should understand and address food insecurity. Throughout the state, dedicated federal and charitable programs are trying to meet the need and provide seniors with food assistance. However, these programs require more resources to sufficiently meet the need. Additional efforts to quell senior food insecurity should build upon existing senior service networks and focus on raising awareness about senior hunger, advocating for senior food programs and increasing food access through additional programs. Partnerships and integrated networks will help to reach seniors in need and ultimately make these efforts more successful.
INTRODUCTION

Food insecurity among seniors—adults age 60 and over—is a significant problem permeating the United States. As a group, older Americans are a vulnerable population. They often have fixed incomes, limited mobility, specific nutrition needs and chronic health issues such as diabetes and high blood pressure. Older adults have an increased risk of nutritional deficiencies and often have difficulty meeting the requirements of a healthy diet.¹

Food insecurity compounds the issues facing this already vulnerable population and has serious health and financial implications. Food insecurity is associated with the prevalence of mental illness, nutrient deficiencies and hospitalizations.² It also increases disability and decreases resistance to infection.³ Food insecure seniors are more than twice as likely to report fair or poor health status than seniors not facing food insecurity.⁴ In one study, food insecure seniors exhibited poorer health results than their food secure counterparts on every health indicator and in every subgroup examined.⁵ Even when controlling for other factors such as income, food insecure seniors face an increased risk of chronic health conditions such as depression, heart attack, asthma and congestive heart failure.⁶ For seniors, experiencing marginal food insecurity is roughly the same as being 14 years older.⁷ The poor and chronic health conditions associated with food insecurity also have financial implications. Treatment for older adults accounts for over half of the country’s health care budget.⁸ Of these costs, 95% are for chronic diseases.⁹

By 2050, the number of seniors in the United States will almost double.¹⁰ As early as 2030, older adults will be about 20% of the population.¹¹ With this increase in both numbers and proportions, the need and demand for services for older Americans will rise. Understanding and tackling food insecurity among seniors is therefore an urgent public health issue.

Methods

This report presents an overview of food insecurity among the elderly in Maine. Part I provides background information on national data, including the trends, rates and determinants of senior food insecurity. Part II provides demographic information on seniors in Maine. Section III explores food insecurity among the elderly in Maine and summarizes qualitative and quantitative research on the topic. Part IV presents information on the current response to senior hunger, including federal policies and charitable programs. The report concludes with recommendations for tackling senior hunger in Maine.

The information presented in this paper is compiled from a broad literature review on senior hunger as well as research specific to Maine. The information was gathered from sources such as Feeding America, AARP and academic articles. Additional context was provided by community conversations and discussions with players tackling senior hunger in Maine.

Ultimately, the information in this report will be used by the author to inform recommendations to Good Shepherd Food Bank on potential programs and strategies the organization could adopt to help fight senior food insecurity in Maine.
Defining Senior Hunger

Senior hunger is a complicated topic. The USDA defines food insecurity as a state of being without reliable access to a sufficient quantity of affordable, nutritious food. While this is true for seniors, this definition misses many of the complexities of food insecurity among the elderly. Seniors suffering any level of food insecurity experience physical, social and psychological symptoms. When asked by researchers, the elderly note several factors that contribute to their food insecure situation including: a lack of money for food, transportation limitations, health or mobility limitations, not having the right foods for their health needs, trade-offs, a lack of motivation to cook or eat, compromises on quality or quantity, worry and anxiety about their food situation. Food insecurity among the elderly is also described as a continuum. The first stage involves making compromises on the quality of the food eaten. This progresses into feeling anxiety and uncertainty about the food situation, consuming socially unacceptable meals and ultimately using outside or emergency sources to get food.

Because seniors suffer in a different way than younger adults, some people propose expanding and clarifying the definition of food insecurity for seniors. For example, researchers in the early 2000s stated that food insecurity among the elderly comprises not only limited food affordability, availability, and accessibility, but also includes the inability to obtain and use food in the household because of functional impairments, health problems or lack of social support. Additionally, though seniors are often categorized as one demographic group, different physical and financial conditions shape their food security experience. Feeding America calls this a ‘continuum of need’ based on seniors’ mobility and ability to prepare and purchase meals.

Measuring Senior Hunger

While the field has acknowledged a need for a different and specific food insecurity definition for seniors, the current method of measuring food insecurity is uniform across all age groups. Common assessment tools produce estimates of food insecurity that result from limited financial resources. However, as outlined above, food insecurity among the elderly is often more than a financial problem. Some food insecure seniors have enough money to buy food but do not have the resources to access or prepare it. Additional barriers to food security for seniors include limited knowledge of existing programs and nutrition, transportation, stigma or pride, paperwork for support programs, specific dietary needs and social isolation.

Food insecurity assessments in the U.S. census do not account for these burdens and are therefore likely to underestimate the scope of the problem. However, due to a lack of other official estimates, the numbers reported in this paper are from studies that use census data. It is therefore important to note that although the calculations are sound, the percentages most likely underestimate the number of seniors that face precarious food situations.

The U.S. government measures four levels of food security, from high to very low. Food insecurity is defined as those who experience low and very low food security (See Appendix A for more information). The numbers in this report are consistent with the USDA’s definition of food insecurity and ‘seniors’ refers to people age 60 and above unless otherwise noted.

* The U.S. census conducts a Current Population Survey, part of which is the Core Food Security Module (CSFM) to assess food security.
Senior Hunger Data

National Trends

Researchers began examining food insecurity rates in the elderly in the early 1990s. Today, the topic is gaining attention for good reason. From 2001 to 2014, the number of seniors facing the threat of hunger more than doubled. As Figure 1 shows, this corresponds to a 119% increase, meaning that in 2014, more than 10 million seniors faced the threat of hunger.

Figure 1: Trends in the Threat of Senior Hunger in the U.S.

By 2025, when the youngest of the Baby Boom Generation reaches age 60, the number of food insecure seniors is projected to increase by 50%. These increases have important moral and political implications and will stress the current support systems.

Who Suffers

Food insecurity can strike anyone at any time. As mentioned above, seniors are particularly vulnerable due to factors such as fixed incomes, limited mobility and poor health. While food insecurity is unpredictable and volatile, researchers have studied potential indicators of senior hunger. Seniors are more likely to be food insecure if they:

- Are a younger senior (60-64)
- Have lower incomes

* Note: The ‘threat of hunger’ is the term the authors use to describe marginal food insecurity.
- Are African American or Hispanic
- Divorced/separated or never married
- Live with grandchildren
- Rent
- Never graduated high school

The same study showed that seniors without access to emotional and financial support are substantially more likely to suffer from hunger. Other reports found that social isolation, food assistance program participation and functional impairments were also significantly related with food insecurity among seniors.\(^{30}\)

Though currently accepted as a well-known trend, a discussion of senior hunger and age deserves more attention. Researchers have documented that as age increases, the threat of hunger decreases amongst seniors. The “young old” are thus the most vulnerable, as Figure 2 shows. Though no single cause can be attributed to this trend, some researchers believe that the rate decreases as people become eligible for services such as Social Security and Medicare.\(^{21}\)

**Figure 2:** Trends in the Threat of Senior Hunger by Age

Additional reports include adults age 50-59 and cite that this age group experiences more severe food insecurity than older adults.\(^{22,23}\) Compared to seniors, adults age 40-59 actually face a higher risk of food insecurity, but they do not suffer as severe health effects.\(^{24}\)
SENIORS IN MAINE

This section presents an overview of population trends in Maine followed by a snapshot of certain demographic characteristics for seniors in the state. As mentioned above, indicators of senior hunger include age, income, race, relationship status, the presence of grandchildren, education and home-ownership status. Therefore, this section will look at these demographic characteristics for Maine as a potential indication of the state of senior hunger. It is important to note that while there is strong correlation between these characteristics and food insecurity, the problem is not restricted to those factors. For example, while younger seniors age 60-64 are more likely to be food insecure, seniors in every age group face the threat of hunger.

A Growing Population

According to the U.S. Census Bureau, Maine is the oldest state in the nation. With 19% of its population over the age of 65, Maine is second only to Florida in its proportion of elderly residents. This number is growing faster than both the New England and national average. As Figure 3 shows, the proportion of elderly residents in Maine is projected to almost double by 2030.

Figure 3: Historical and Projected Trends in the Percentage of Populations 65 and Older Maine, New England, and the United States 2000-2030

By 2025, people age 65 and older will make up over a quarter of Maine’s population. This is in part due to the number of Baby Boomers in the state. According to AARP, Maine has the highest

* The median age in Maine in 2013 was 43.9.
percentage of Baby Boomers in the nation. Every day, 50 Mainers turn 65. Figure 4 illustrates Maine’s rapid growth of seniors in the state compared to other age groups.

Figure 4: The Growing Number of Maine Seniors

![Graph showing the growing number of Maine seniors compared to other age groups.](image)

*Source: Maine Policy Academy State Profile, 2012*

Figure 5 shows that while Maine has a high proportion of older adults, it also has a lower proportion of young people than the U.S. as a whole. The state is experiencing a decline in birth rates that is much greater than the national average. Because the total population is projected to stay roughly the same, the ratio of seniors to younger people is going to grow. With these projected increases, Maine faces an intensifying challenge to care for the elderly and address issues such as senior hunger.

Figure 5: Percent of Maine and U.S. Population by Age, 2014

![Graph showing the percentage of Maine and U.S. population by age.](image)

Demographic Indicators of Senior Hunger

Age
As previously mentioned, younger seniors are more likely to be food insecure than their older counterparts. In 2015, 331,119 seniors lived in Maine. Of those people, over half are between the age of 60 and 69, as shown in Figure 6.

![Figure 6](Image)

Data Source: American Community Survey, 2015

Income
Seniors with lower incomes are substantially more likely to face food insecurity. In 2014, almost half of all seniors in the U.S. living below the poverty line faced marginal food insecurity. In Maine, 9% of seniors fall below 100% of the Federal Poverty Level, an income of about $11,770 for one person. Since 2012, the number of seniors living in poverty in Maine has increased proportionally to the general senior population increase in the state.

Low-income seniors, or those whose income is below 200% of the poverty line, are most at-risk of facing food insecurity. 29% of older Mainers are low-income. Additionally, in Maine, almost 57% of adults age 65 and above lack the financial resources required to cover their basic needs. Despite the fact that low-income seniors face a higher risk of food insecurity, all food insecure seniors face adverse health consequences, regardless of income.

Seniors often rely on a fixed income of social security and retirement funds. While some people have both sources, social security is the only source of income for 1 in 3 Mainers 65 and above. Figure 7 illustrates the breakdown of income for Maine seniors.

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* Age 55 and above
Figure 7: Percent of Maine Seniors with Retirement or Social Security Income and Mean Annual Retirement and Social Security Income by Age Category

![Bar chart showing percent and mean annual income by age category for Maine seniors.]

Note: The length of bars indicates the percent of seniors with each of these sources of income. The value at the top of the bar indicates the mean yearly dollar value among those receiving any income from that source.

Source: Schafer and Mattingly, 2016

Race
Nationally, seniors that are African American or Hispanic are more likely to experience food insecurity. In Maine, the effect is small because of the small population of racial minorities.\(^\text{45}\) .3% of Maine seniors are African American and .5% are Hispanic or Latino.\(^\text{46}\)

Relationship Status
Divorced or separated seniors face marginal food insecurity rates that are almost three times as high as married seniors.\(^\text{47}\) In Maine, 15% of seniors are divorced or separated, 19% are widowed and 5% never married.\(^\text{48}\)
Family Household
Senior households with grandchildren are almost three times as likely to be food insecure than those without grandchildren present.\textsuperscript{49} About 2\% of Maine seniors live with their grandchildren, while almost 42\% live alone.\textsuperscript{50}

Homeownership Status
Seniors that rent are more likely than seniors that own their home to experience food insecurity. In Maine, 20\% of seniors rent\textsuperscript{51} and they are more likely to rent the older they get.\textsuperscript{52} According to the Maine Real Estate Managers Association, there are 9,890 senior households on the waitlist for subsidized apartments throughout the state.\textsuperscript{53}

Education
Seniors that never graduated high school are 20\% more likely to face marginal food insecurity than high school graduates.\textsuperscript{54} While 13\% of seniors in Maine have less than a high school degree,\textsuperscript{55} this is less than the national average of 16\% for people over the age of 65.\textsuperscript{56}
EMPLOYEE SICK LEAVE

Employee sick leave is a critical component of a comprehensive leave policy. It provides employees with the opportunity to take time off from work due to illness or injury without the fear of job loss or penalty for using this benefit. A well-designed sick leave policy can improve employees' job satisfaction, reduce employee turnover, and enhance productivity and health. It is important to consider the costs and benefits of implementing such a policy and to ensure that it is consistently applied and fairly administered.

Policy Implementation

The implementation of the new sick leave policy should be conducted in a manner that minimizes disruption to employees and the business. This includes:

- Communicating the policy changes to all employees,
- Providing training to supervisors on how to handle sick leave requests,
- Ensuring that all employees have access to the policy information,
- Establishing a clear and fair appeals process for employees who disagree with a decision on their sick leave.

The implementation process should also include monitoring the policy's impact on employee attendance and productivity.

Analysis and Results

The results of the sick leave policy implementation will need to be analyzed to determine the policy's effectiveness. This includes:

- Measuring employee attendance and productivity levels before and after the implementation of the new policy,
- Evaluating employee satisfaction with the new policy,
- Reviewing any appeals filed by employees who disagree with a decision on their sick leave.

These metrics will provide insights into the policy's impact on employees and the business.

Conclusion

The implementation of a comprehensive sick leave policy is critical to maintaining employee morale and productivity. By providing employees with the opportunity to take time off when they are ill or injured, the policy can help to reduce workplace stress and improve overall health and well-being. It is important to consistently communicate and enforce the policy to ensure its effectiveness.
severe category of hunger measured. This means that Maine has some of the largest numbers of seniors in the nation that report having to reduce their food intake multiple times a year.

Figure 10

A Detailed Look

Senior food insecurity in Maine is increasing and getting worse. Yet, the issue is sometimes referred to as a hidden crisis. Seniors, especially those from the Traditionalist or Silent generation,* are often private, patient, and resourceful, hard-workers. These traits, combined with elderly Mainers’ reputation for stoicism, self-sufficiency and a hardy modesty further the hidden nature of senior food insecurity. A study looking at food insecurity among rural seniors noted that the elderly saw compromises in their food intake and cycles of deprivation as the norm. Additionally, seniors’ values, their pride in ‘making do’ and traditions of growing and sharing their food affected their perception of food security. The study concluded that food security for these elders was more unstable than the numbers suggested and that they may be more food insecure than they realized. These findings could help to explain why, anecdotally, when offered food assistance, many seniors in Maine simply state that others need it more than they do.

Various surveys, assessments and focus groups throughout Maine have described the experiences of seniors and food security. According to a 2012 Elder Services Needs Assessment for Maine:* 

- Almost a quarter of interviewed Mainers over the age of 50 occasionally worry that their food budget will not meet their needs (19% reported worrying ‘occasionally’ while 4% reported ‘constantly’ worrying).

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* People born between 1922 and 1946
• 11% of respondents reported skipping meals or cutting back on the amount and type of food they eat for financial reasons. Transportation was also cited as a reason.
• Younger respondents (age 50-64) and those with a lower annual income (under $30,000) are more likely to say they have skipped or cut back on meals.

Most notably, over half of the respondents in this assessment did not know where they would go if they needed help getting food. A 2016 study had similar findings—that many seniors did not know about food assistance programs or how to access them if they were eligible. Participants in this study felt that they would benefit from advocates that could help them understand available services and how to apply for them. This research suggests a strong need for better outreach and education for seniors.

According to a survey done by Preble Street and Good Shepherd Food Bank, 38% of food pantry users in Maine report a senior living in the household. Of those seniors visiting a pantry, over half of them reported using the pantry more this year than last year and almost 90% said they visited the pantry once a month or more. Just under half of seniors interviewed reported not receiving SNAP benefits and the majority of those that did have SNAP said that they ran out within two weeks of receiving them. 20% said that they used all the benefits within the first day. Almost two out of three seniors reported having to choose between food and other essentials. The highest reported trade-off was health care costs, followed by home costs such as bills or repairs, and then transportation.

Managing Food Insecurity
As Figure 11 shows, seniors often employ coping strategies to manage their food supply and make trade-offs when managing their finances. Research shows that many seniors pay all their other bills first and then purchase food, perhaps suggesting why over half of older adults surveyed by Feeding America used three or more different coping strategies to secure enough food. On fixed incomes, many seniors also have to make trade-offs and choose between buying food or spending money on housing, transportation, heat and electricity or medical care. Considering that more than half of Meals on Wheels participants take 6-23 medications daily, these decisions often require drastic personal sacrifices.

Figure 11: Managing Senior Food Security

Image Source: Feeding America
A focus group conducted by the University of Maine revealed this struggle to make ends meet for elderly Mainers. The researcher states that “while participants did not speak about going hungry, they did describe many strategies to be sure that did not happen,” including juggling bills and buying cheaper, less nutritious food. The group also spoke about “the difficulty of growing older, living on fixed incomes, having reduced options, and feeling afraid of how they would get by.”

The Location

Currently, researchers are unable to estimate senior food insecurity rates at a sub-state level due to methodology limitations and small samples sizes. This report therefore presents information on various characteristics of Maine seniors by county. The variables—median age, percent seniors, overall food security rate, SNAP participation, poverty and income—inform an understanding of each county and help to highlight potential areas with seniors in need of food assistance. Ultimately, the context and knowledge held by local agencies and organizations working with seniors will paint a more complete picture of senior food insecurity in each community. This section highlights the top counties of each variable—refer to Appendix B for maps with more information on each variable.

Lincoln and Piscataquis County are tied for the highest median age in the state and also have the highest percentage of seniors, respectively. While Washington and Aroostook County have the top two highest rates of overall food insecurity, Somerset and Aroostook have the highest percentages of seniors receiving SNAP. Somerset and Washington County seniors have the lowest average incomes in the state. Aroostook has the highest percentage of seniors living below the poverty line, followed by Piscataquis and Washington at similar rates.

* Note: Data for SNAP participation among the 60 and over population is not available from the U.S. Census for Piscataquis County.
ADDRESSING THE ISSUE

Recently, Maine has acknowledged this often hidden issue and highlighted the importance of nutrition and food for seniors. Maine’s 2016-2020 State Plan on Aging states that food insecurity is an increasingly concerning issue for Maine seniors and suggests addressing it as a way to achieve their objective of fostering independence and safety within a community. A primer for Maine policy makers in 2013 also highlighted food insecurity as one of five areas of concern for the aging population. A Statewide Assessment on Aging in 2012 identified Food and Nutrition as a top priority service needed by older adults in order to remain in their home, preceded only by transportation.

Throughout Maine and the nation, communities are striving to help their seniors age in place. The Maine State Plan on Aging’s overall goal is ‘to help aging and disabled adults to maintain their independence and live safely where they choose to.’ AARP Maine currently has a network of 24 Age-Friendly Communities in the state that have made a commitment to age-friendly planning and the Maine Health Access Foundation supports Thriving in Place programs that help people with chronic health conditions stay healthy and in their homes. These initiatives recognize that food security and nutrition are vital to maintaining the health and independence of seniors. This section of the report outlines additional policies and programs aimed at combatting elderly food insecurity.

The Policy Response

The United States has several federal policies that aim to reduce senior food insecurity. Some programs serve seniors exclusively while others serve at-risk populations of all ages. The chart from Feeding America and Meals on Wheels on the following page summarizes the federal nutrition programs available to seniors at risk of food insecurity. This section expands upon these programs and provides information on their operation in Maine.
**Figure 12: Federal Nutrition Programs for Seniors**

<table>
<thead>
<tr>
<th><strong>Grocery</strong></th>
<th><strong>Senior Farmers’ Market Nutrition Program</strong></th>
<th><strong>CSFP</strong></th>
<th><strong>TEFAP</strong></th>
<th><strong>Congregate Meals</strong></th>
<th><strong>Home-Delivered Meals</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SNAP</strong></td>
<td>Low-income seniors receive grocery coupons for goods at farmers’ markets, roadside stands, and community supported agriculture operations (CSAs), putting fresh produce into the hands of at-risk seniors.</td>
<td>Low-income seniors receive monthly food packages, distributed by food banks or agencies from USDA commodities. The packages are designed to meet seniors’ unique nutritional needs.</td>
<td>Low-income Americans in need of emergency food assistance, including seniors, receive groceries or meals at no cost through food banks, pantries, soup kitchens or shelters.</td>
<td>Eligible seniors receive meals in a group setting (like a senior center, community building, or adult care home), often accompanied by nutrition education, exercise and other social activities.</td>
<td>Eligible seniors receive nutritious meals delivered to their home either by a Meals on Wheels volunteer or staff member, accompanied by a friendly visit and safety check.</td>
</tr>
<tr>
<td><strong>Eligibility Requirements</strong></td>
<td>130% of the federal poverty line, or annual income of $15,444 for a senior living alone.</td>
<td>185% of the federal poverty line, or an annual income of $21,978 for a senior living alone.</td>
<td>130% of the federal poverty line, or an annual income of $15,444 for a senior living alone.</td>
<td>185% of the federal poverty line, or an annual income of $21,978 for a senior living alone.</td>
<td>Seniors 60+ in the greatest economic and social need, with particular attention to those who are low-income, belong to a minority group, have limited English proficiency, are at risk of institutionalization and live in rural areas. Home delivery is targeted to the least mobile.</td>
</tr>
<tr>
<td><strong>Eligible seniors in SNAP and recipients on average access only $129/meal, an insufficient benefit to support seniors’ nutritional needs for the full month.</strong></td>
<td>The program is funded at a set level annually and therefore cannot serve all eligible seniors.</td>
<td>The program is funded at a set level annually and therefore cannot serve all eligible seniors, and is unavailable in 7 states.</td>
<td>The program is funded at a set level annually and therefore feeds only as many people as the commodities can provide for.</td>
<td>The Older Americans Act, also known as the Farm Bill, is reauthorized every five years. Funding is appropriated annually through the Agricultural Appropriations Act for SFMNP, CSFP, and TEFAP.</td>
<td></td>
</tr>
</tbody>
</table>

*Image Source: Feeding America and Meals on Wheels*
The Older Americans Act, Title III

The Older Americans Act (OAA) was enacted in 1965 and supports community-based services such as social and nutrition services to people over the age of 60 and their caregivers. Title III of the Act, Grants for State and Community Programs on Aging, has for different components, the largest of which is nutrition services with over 40% of the funding.

Nutrition Services
The goal of the nutrition services program is to reduce hunger and food insecurity and promote the health and socialization of older Americans while providing access to healthy meals, nutrition education and counseling. Nutrition Services has three programs:

1. Congregate Nutrition Services Program
   - Provides meals and nutrition services at sites such as senior centers, community centers, schools and adult day cares
2. Home-Delivered Nutrition Services Program
   - Provides meals and nutrition services to homebound seniors
3. Nutrition Services Incentive Program, NSIP
   - Provides money to purchase food or commodities for congregate and home-delivered nutrition programs (commodities are provided by the USDA)

Administration
The Administration on Aging (AoA), under the U.S. Department of Health and Human Services, administers the OAA. The AoA awards funds to the State Unit on Aging known as the Office of Elder Services in Maine. This office grants funds to the Area Agency on Aging (AAA). In Maine, there are five AAAs that each cover their own planning and service area.

Funding for congregate and home-delivered meals is based on each state’s relative share of the total population age 60 and older. Each state must match 15% of the funds with non-federal money. NSIP funds are allotted based on a state’s share of total meals served by the nutrition services program in the prior year. Federal funding has been flat for over 5 years.

Eligibility
To receive Title III services, participants must be 60 or older and homebound for Home-Delivered Nutrition Services such as Meals on Wheels. Disabled participants under the age of 60 are also eligible. The Act states that services should be targeted to people with the greatest social need, but means tests are not allowed. Participants are encouraged to contribute to the cost of the meals but cannot be denied services for a failure to contribute.

Of Note
Home-delivered meals such as Meals on Wheels provide a third of daily nutrition and energy requirements. Despite this, caseworkers often report incidences of clients stretching the meal to last all day.

The OAA Reauthorization Act of 2016 adds that the state “must encourage the use of locally grown foods in the program, and identify potential partnerships and contracts with local producers and providers of locally grown foods.” Service providers are also encouraged to pursue opportunities for intergenerational meals or sites.
Nationally, approximately 1/3 of the cost of Meals on Wheels is provided by federal funding from the Older Americans Act.77

The Numbers in Maine

<table>
<thead>
<tr>
<th></th>
<th>Home-Delivered</th>
<th>Congregate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seniors Served*</td>
<td>4,351</td>
<td>16,598 seniors at 75 sites</td>
</tr>
<tr>
<td>Waitlist</td>
<td></td>
<td>N/A</td>
</tr>
<tr>
<td>Fluctuates</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Meals Served79</td>
<td>535,303</td>
<td>303,741</td>
</tr>
<tr>
<td>Average Cost Per Meal*</td>
<td>$7.25</td>
<td>$8.55</td>
</tr>
<tr>
<td>Average Donation Requested*</td>
<td>$3.90</td>
<td>$4.25</td>
</tr>
</tbody>
</table>

* Most agencies do not receive the full donation requested.
The Commodity Supplemental Food Program provides low-income seniors with a nutritionally appropriate 30-pound box of food each month. The program aims to improve the health of seniors by providing nutritious USDA commodities to supplement their diet.

Administration
CSFP is administered by the Food and Nutrition Service, an agency of the USDA. The Maine State administering agency is the Department of Agriculture, Conservation and Forestry. USDA purchases food and makes it available to the Department of Agriculture, which sends it to Good Shepherd Food Bank. GSFB packs the food into brown bags and sends it to distribution sites within the five Area Agencies on Aging.

CSFP funding is based on program performance and a formula from the USDA that involves the poverty rate and population in Maine. The USDA provides the commodities and funds to cover administrative costs for preparing and distributing the food. As a discretionary program, CSFP’s reach is limited by funding.

Eligibility
Participants must be 60 or older and have an income that is at or below 130% of the Federal Poverty Line, or about $15,400 for a household of one.

Of Note
The USDA will be conducting a comprehensive review of the CSFP food package in 2017. This review will evaluate the nutritional content of the package as well as its suitability for senior’s needs and preferences.

The Numbers in Maine*

<table>
<thead>
<tr>
<th>Commodity Supplemental Food Program</th>
<th>(2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seniors Served</td>
<td></td>
</tr>
<tr>
<td>Capped at</td>
<td>3,229</td>
</tr>
<tr>
<td>Waitlist</td>
<td></td>
</tr>
<tr>
<td>1,500</td>
<td></td>
</tr>
</tbody>
</table>

* Note that in 2017, Maine’s allotted CSFP shares increased to 9,000
In Maine, the Senior Farmers Market Nutrition Program (SFMNP) operates as a Senior Farm Share Program. Through this program, eligible seniors receive fresh fruits and vegetables directly from Maine farmers. Participants receive $50 worth of produce for 8 weeks during the growing season.

Administration
Federal funding for SFMNP comes from the USDA. In Maine, the Department of Agriculture, Forestry and Conservation oversees the program.

Seniors work directly with farmers to sign up for a farm share. Eligible farms are listed on the Get Real, Get Maine website and the shares often go quickly during the sign-up season, which begins in March or April.

Eligibility
Participants must be 60 or older and have an income that is at or below 185% of the Federal Poverty Line, which is about $21,775 for one person.

Of Note
Farmers are not required to keep or report a waitlist for the program; however, the number of seniors that qualify for a Farm Share outnumbers the amount of shares available for distribution. Additionally, according to the Maine Department of Agriculture, the program has not had leftover shares since 2010. The Department also reports that many farmers provide more produce to seniors than what the program pays for. In 2015, 17,075 seniors received FarmShare benefits from 106 Maine farmers.

The Numbers in Maine

<table>
<thead>
<tr>
<th>Senior Farm Share (2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Allotted Farm Shares</td>
</tr>
<tr>
<td>Number of Participating Farms</td>
</tr>
</tbody>
</table>
SNAP is a nutrition assistance program that provides eligible low-income families and individuals with monthly benefits that are used to purchase food. Participants receive a benefits card, similar to a debit card that can be used at participating food retail outlets.

Administration
The Food and Nutrition Service of the USDA administers SNAP on the federal level. In Maine, the Department of Health and Human Services oversees the program. The federal government covers the cost of the benefits and splits administration costs with the state. SNAP is a federal entitlement program, meaning that all eligible people will receive benefits.

Eligibility
SNAP participants must have an income that is at or below 185% of the Federal Poverty Line. Eligibility is based on a person’s income after deductions, assets and the number of people in the household. The State of Maine has an asset limit of $5,000, though seniors are allowed to deduct medical costs that exceed $35 per month.

Of Note
Maine currently has restrictive policies and procedures that have limited the number of people receiving benefits. Seniors have low participation rates nationwide, but Maine seniors participate at a rate above the national average—60% of eligible seniors in Maine are enrolled in SNAP. However, Maine is one of only five states that applies an asset test to seniors.

Barriers to enrollment include pride, stigma, difficult applications, low awareness, perceived small benefits, and a belief that receiving benefits will take away from others. In Maine, the minimum SNAP benefit for seniors is $16. In 2007, 86% of elderly Maine participants qualified for more than the minimum benefit, one of the highest percentages in the country.

The Numbers in Maine

<table>
<thead>
<tr>
<th>Supplemental Nutrition Assistance Program (SNAP) (2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Seniors Receiving SNAP(^{85})</td>
</tr>
<tr>
<td>29,000</td>
</tr>
<tr>
<td>Average Benefit for Households with Seniors(^{86})</td>
</tr>
<tr>
<td>$120</td>
</tr>
<tr>
<td>Percent of Eligible Seniors Not Enrolled(^{87})</td>
</tr>
<tr>
<td>40%</td>
</tr>
</tbody>
</table>
CACFP in Maine aims to help participants improve and maintain good health while promoting the development of good lifelong eating habits. CACFP provides reimbursements for meals and snacks served at certain child care centers, day care homes and adult day care centers.

**Adult Day Care Centers**
The adult day care component of CACFP aims to provide nutritional support that will help elderly and functionally impaired adults remain in the community and avoid premature institutionalization.

**Administration**
Federal funding is provided by USDA’s Food and Nutrition Service. At the State level, the Maine Department of Health and Human Services’ Office of Child and Family Services administers the program.

**Eligibility**
Licensed adult day care centers can get reimbursed for food provided to eligible participants—non-residential seniors age 60 and above or functionally impaired adults of any age. Adult day care centers cannot receive reimbursements for seniors not enrolled to receive care at their facility (i.e. drop-ins). Menus for snacks and meals must meet USDA guidelines to receive funding. Eligible providers are reimbursed at a federally set rate for the meals and snacks.

**The Numbers in Maine**

<table>
<thead>
<tr>
<th>Child and Adult Care Food Program (CACFP) (2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Adult Day Care Centers&lt;sup&gt;80&lt;/sup&gt;</td>
</tr>
<tr>
<td>35</td>
</tr>
<tr>
<td>Number of Enrolled Adult Day Care Centers</td>
</tr>
<tr>
<td>unknown at this time*</td>
</tr>
</tbody>
</table>

* DHHS has not shared this information and had not responded to a Freedom of Information Act request at the time of this report.
The Emergency Food Assistance Program (TEFAP)

TEFAP provides temporary nutrition assistance in the form of USDA donated food to low-income people, including the elderly, through emergency food providers such as food banks or soup kitchens. These food providers distribute the commodities to people in need of short-term hunger relief.

Administration
At a federal level, the USDA’s Food and Nutrition Service administers the program. Maine’s Department of Agriculture manages the program at a state level.

Eligibility
TEFAP does not have age restrictions, but participants must meet income eligibility requirements. In Maine, households at or below 150% of the Federal Poverty Level are eligible to receive food—about $17,655 for one person. However, the TEFAP income eligibility form contains a clause that allows people needing emergency food assistance, regardless of income, to receive food.

Of Note
The Department of Agriculture works with 256 organizations in Maine. They partner strictly with food pantries, kitchens and shelters.

The Numbers in Maine

<table>
<thead>
<tr>
<th>The Emergency Food Assistance Program (TEFAP) (2016)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of People Receiving</strong></td>
</tr>
<tr>
<td>32,000</td>
</tr>
<tr>
<td><em>people of all ages/month</em></td>
</tr>
<tr>
<td><strong>Total Number of People Eligible (not just seniors)</strong></td>
</tr>
<tr>
<td>306,544</td>
</tr>
</tbody>
</table>
The following chart highlights information specific to the State of Maine on the federal policies that address senior food insecurity. The bottom row shows the gap in available services and seniors in need.*

As the chart shows, despite existing efforts, policies addressing senior hunger face a substantial unmet need. This data is consistent with national estimates, which showed that in 2008 only 11% of low-income, food insecure older adults in the U.S. received services such as home-delivered or congregate meals.\textsuperscript{91} Many of the federal support programs and policies outlined above are either underfunded or under-resourced. Thus, while it is important to continue to advocate for sustained or increased federal funding to address the current need, charitable programs are a significant part of addressing senior food insecurity.

\* According to the US Census, 331,119 seniors over the age of 60 live in Maine. The number of food insecure seniors is estimated to be 45,628 (13.78\% of 331,119). The calculations in this chart show what percent of food insecure seniors are not receiving services.
### Policies Addressing Senior Food Insecurity:
**A Snapshot for Maine 2016**

<table>
<thead>
<tr>
<th>Description</th>
<th>Older Americans Act Title III, Home-delivery</th>
<th>OAA Title III Congregate Meals</th>
<th>CSFP</th>
<th>Senior FarmShare</th>
<th>CACFP</th>
<th>SNAP (Food Stamps)</th>
<th>TEFAP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Provides eligible seniors with meals and a check-in from Meals on Wheels staff or volunteers</td>
<td>Provides eligible seniors with meals and nutrition services at sites such as senior centers, community centers, schools and adult day cares</td>
<td>Provides low-income seniors with a nutritionally appropriate 30 pound box of USDA food each month</td>
<td>Provides participants with $50 worth of produce from a local farmer on a weekly basis for 8 weeks during the growing season</td>
<td>Provides Adult Day Care Centers with reimbursements for food provided to eligible seniors</td>
<td>Provides eligible people, including seniors, with a card with monthly benefits that are used to purchase food at authorized retailers</td>
<td>Provides low-income people, including seniors, with groceries or meals through food pantries, kitchens or shelters</td>
</tr>
<tr>
<td><strong>State Administration</strong></td>
<td>DHHS, Office of Elder Services</td>
<td>DHHS, Office of Elder Services</td>
<td>Department of Agriculture, Conservation and Forestry</td>
<td>Department of Agriculture, Conservation and Forestry</td>
<td>DHHS, Office of Child and Family Services</td>
<td>DHHS, Office of Family Independence</td>
<td>Department of Agriculture, Conservation and Forestry</td>
</tr>
<tr>
<td><strong>Eligibility</strong></td>
<td>60+ and Homebound</td>
<td>60+</td>
<td>60+ and an income that is 130% of the Federal Poverty Line (FPL)</td>
<td>60+ and 185% of FPL</td>
<td>Adult Day Care Centers serving non-residential seniors age 60+ or functionally impaired adults of any age</td>
<td>185% of FPL</td>
<td>150% of FPL</td>
</tr>
<tr>
<td><strong>Funding</strong></td>
<td>Discretionary Funding Maine receives a set amount of money every year State funding and private donations supplement federal funds</td>
<td>Discretionary Funding Maine receives a set amount of money every year</td>
<td>Discretionary Funding Maine receives a set amount of money every year</td>
<td>Discretionary Funding Maine receives a set amount of money every year</td>
<td>Mandatory/Entitlement Funding Every person who meets eligibility requirements receives services</td>
<td>Mandatory/Entitlement Funding Every person who meets eligibility requirements receives services</td>
<td>Discretionary Funding Maine receives a set amount of money every year</td>
</tr>
<tr>
<td><strong>Seniors Served in Maine</strong></td>
<td>4,351</td>
<td>16,598</td>
<td>3,229*</td>
<td>16,558</td>
<td>Information not available</td>
<td>29,000</td>
<td>Information not available</td>
</tr>
<tr>
<td><strong>Waitlist</strong></td>
<td>Varies by Area</td>
<td>N/A</td>
<td>1,500</td>
<td>Waitlist numbers are not reported, but demand historically outnumbers supply</td>
<td>Information not available</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td><strong>Unmet Need</strong></td>
<td>Over 90% of estimated food insecure seniors are not receiving services</td>
<td>64% of estimated food insecure seniors are not receiving services</td>
<td>Over 90% of estimated food insecure seniors are not receiving services</td>
<td>64% of estimated food insecure seniors are not receiving services</td>
<td>Information not available</td>
<td>40% of eligible seniors are not enrolled***</td>
<td>Almost 90% of all eligible people in Maine are not receiving services</td>
</tr>
</tbody>
</table>

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*Note that in 2017, Maine's CSFP allocation increased to 9,000

** The number of food insecure seniors is about 45,600. The unmet need shows what percent of this population is not served by the program

***According to Feeding America
The Charitable Response

Given the limited funding for federal programs and certain eligibility requirements, federal policies are not able to serve all those in need of food assistance. Charitable programs—those not run by the government—aim to address this service gap. This section highlights various charitable efforts but is not meant to be an inclusive list.

Various food assistance programs throughout the state serve seniors. Good Shepherd Food Bank sources and distributes food to a network of hunger relief agencies throughout the state. As of 2016, almost 40% of Good Shepherd Food Bank’s clients had a senior living in the household. While hunger relief programs often serve people of all ages, some operate specific senior events or distributions. Agencies throughout the state operate food pantries, food mobiles, meal programs, cooking classes, farm shares and hunger boxes that all benefit seniors.

Many organizations providing general services to seniors also recognize the importance of food security and nutrition. These organizations play a vital role in tackling elderly hunger because they are often the primary source of services and information for seniors. Agencies such as adult day care centers, senior housing, local AARP offices, senior centers, home health programs, veteran affairs and Area Agencies on Aging are all trusted and frequented by seniors. For example, Maine has five Area Agencies on Aging.

Each agency offers nutrition services extending beyond the federally funded Meals on Wheels and Congregate Meals. They supplement these efforts with charitable donations and offer programs such as nutrition education, prepared meals for purchase, pet food, emergency food boxes and referrals to pantries.

Healthcare settings and organizations also play a role in nutrition and food security. In response to recent research showing that a two-question screening quickly identifies households at risk for food insecurity, public health advocates are encouraging clinicians to discuss food and nutrition with their patients. While the two-question screening study focused on families with children, the Nutrition Screening Initiative aims to identify and treat nutrition problems in older adults. This initiative uses a 10-question checklist to determine nutritional risk for seniors.
Though assessment of the checklist suggests that it might be a better tool for awareness and education than screening, given seniors’ trust in physicians and prioritization of doctor appointments, working with healthcare practitioners to address senior food insecurity is a promising approach.

Research has also shown that for patients 65 and older who are at risk for malnutrition, nutrition interventions can reduce complication rates, length of hospital stay, readmission rates, cost of care and sometimes mortality. The potential for nutrition interventions to reduce hospital readmission rates among the elderly has prompted several projects, including one in Northern Maine. This pilot project observed fewer readmission rates for patients receiving 14 meals and an in-home visit after being discharged from the hospital compared to those that did not. Efforts in healthcare, food assistance and senior services are all important parts of tackling senior food insecurity.
CONCLUSION

Senior hunger in Maine has been on an upward trend for five years. During this time, Maine went from having one of the lowest rates of senior food insecurity in the nation to one of the highest, and the number of food insecure seniors more than doubled. Existing federal programs and charitable efforts are not able to meet the current need, and the need is only going to grow as the state ages and seniors become a larger proportion of the population. This population increase adds a layer of urgency to an already severe situation.

Seniors are a vulnerable population that face a spectrum of challenging issues that drain their resources. Ultimately, food security efforts fit within a larger collaboration of senior services including those that help with housing, transportation and medical needs. Supporting all of seniors’ needs will reduce the number of financial trade-offs they are forced to consider and help to stretch their often limited resources. Organizations serving older adults in Maine should work together and recognize that hunger cannot be solved in isolation. Additionally, while acknowledging the larger context surrounding food insecurity, specific hunger alleviation programs are needed to meet the current nutrition needs of seniors.

Efforts to reduce senior hunger should focus on awareness, advocacy, and access while strengthening existing partnerships. Raising awareness about senior hunger in the state will mitigate its effects by leveraging support from the general public and funders. Increased awareness about the causes and effects of senior food insecurity will also help to de-stigmatize the experience and encourage supportive community action. Targeted outreach efforts that effectively reach seniors should be expanded upon so that seniors are aware of existing programs and where they can turn for help.

Advocacy is also vital for minimizing senior hunger. Federal programs that support food security for older Americans are a critical piece of the solution because they provide thousands of seniors in the state with food. Demand for federally funded programs such as CSFP, Meals on Wheels, and Senior Farm Shares continues to outnumber supply. Actively supporting these programs and advocating for increased funding will ensure continued access to food for seniors in need. In addition to supporting existing programs, outreach efforts to increase participation among programs that are not fully leveraged, such as SNAP and CACFP, will mitigate senior hunger. SNAP is available to all qualifying seniors but many in the state do not participate. Reducing the barriers to participation will enable more seniors to secure additional food.

While increasing awareness and advocating for federal programs that support senior food security are necessary, ultimately more resources are needed to tackle the issue. Programs that create and increase access to supplemental sources of nutrition are vital to decreasing the current rate of food insecurity in Maine. These programs should recognize and cater to the food insecurity experience for older adults. Senior food insecurity is not just a result of limited financial means but also of specific health and nutrition needs, mobility issues, pride, problems with transportation and isolation. Senior hunger programs should address all of these aspects to ensure that seniors can access and consume appropriate, nutritional food.
Additionally, because seniors are a difficult population to reach, successful hunger alleviation efforts will partner with existing programs, use trusted sources and support integrated networks. Partnerships will ultimately ground and strengthen senior food awareness, advocacy, and access efforts that will halt and reverse senior food insecurity trends in the state.
**Appendix A**

**USDA’s Information on Food Security**

USDA's labels describe ranges of food security:

**Food Security**
- **High food security** *(old label=Food security)*: no reported indications of food-access problems or limitations.
- **Marginal food security** *(old label=Food security)*: one or two reported indications—typically of anxiety over food sufficiency or shortage of food in the house. Little or no indication of changes in diets or food intake.

**Food Insecurity**
- **Low food security** *(old label=Food insecurity without hunger)*: reports of reduced quality, variety, or desirability of diet. Little or no indication of reduced food intake.
- **Very low food security** *(old label=Food insecurity with hunger)*: Reports of multiple indications of disrupted eating patterns and reduced food intake.

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Characteristics of Households With Very Low Food Security

Conditions reported by households with very low food security are compared with those reported by food-secure households and by households with low (but not very low) food security in the following chart:

**Percentage of households reporting indicators of adult food insecurity, by food security status, 2015**

![Chart showing the percentage of households reporting indicators of food insecurity by food security status.](chart)

Appendix B
Maps of County Data
Data Source: American Community Survey 2015 5-Year Estimates

Counties in Maine
Percent of the Population Age 60 and Older

Top 3 Counties with Largest Percentage of Seniors:
- Lincoln County
- Piscataquis County
- Washington County
Number of People 60 and Older

Top 3 Counties with Largest Number of Seniors:
- Cumberland County
- York County
- Kennebec County
Median Age

Top 3 Counties with Highest Median Age:
- Pisqataquis County and Lincoln County
- Hancock County
Overall Food Security Rates
(not age specific)

Top 3 Counties with Highest Overall Food Insecurity:
- Washington County
- Aroostook County
- Pisqataquis County
Percent of Senior Households Receiving SNAP

Top 3 Counties with Largest Percentage of Seniors on SNAP:
- Somerset County
- Aroostook County
- Oxford County
Number of SNAP Households with a Senior

Top 3 Counties with Largest number of SNAP Households that have a Senior:

- Cumberland County
- Penobscot County
- York County
Average Income of Seniors
Figures in $

Top 3 Counties with Lowest Average Income for Seniors:
- Somerset County
- Aroostook County
- Oxford County
Percent Seniors Living Below the Poverty Line

Top 3 Counties with Highest Percentage of Seniors Living Below the Poverty Line:
- Aroostook County
- Washington County
- Piscataquis County
References


4 Ibid.


58 American Community Survey. 2015 5 Year Estimates. Table S0102.
59 Ibid.
60 Calculations from:
64 Butler, Sandra. Conversations with Older Maine Adults about Food Insecurity and Food Assistance. School of Social Work, University of Maine in collaboration with Maine Equal Justice Partners (MEJP), Legal Services for the Elderly, and Eastern Area Agency on Aging (EAAA). 2016.
70 Ibid.


76. Ibid.


79. Ibid.


81. E-mail correspondence with Senior FarmShare Program Manager. October, 2016.


87. Estimate from Feeding America’s HungerNet Map the Senior SNAP Gap.


