Social determinants of health (SDOH) are environmental, societal, and economic conditions that contribute to older adults’ ability to live healthy and full lives. Having multiple unmet social needs increases the risk of poor health outcomes for older adults. Using data from a nationally-representative survey of adults aged 50 and older, this Issue Brief informs policy makers, practitioners, and advocates about the prevalence of SDOH-related needs and the threat they pose to older adults’ health.

As the U.S. population continues to age, policymakers and advocates have a vested interest in supporting programs and policies to help older adults live in and engage in their communities. This, in turn, can reduce health care costs and reliance on costly (and often undesired) nursing home stays. Efforts are underway to address social needs for all Americans. The Centers for Disease Control and Prevention (CDC) sponsors a number of programs that address SDOH, from community-based diabetes prevention interventions addressing social, cultural, economic, and environmental issues, to funding culturally-appropriate programs that address SDOH and health disparities at the local level. The Root Cause Coalition seeks to address “social determinants to reverse the nationwide epidemic of preventable chronic health conditions” by engaging multi-disciplinary collaborative partners in research and advocacy. The Centers for Medicare & Medicaid Services (CMS) created the Accountable Health Communities (AHCs) models in 2016, awarding grants to 32 organizations to identify and address SDOH for Medicaid beneficiaries by screening, referring, and helping patients access community services.
To contribute to our understanding of the social determinants of health among older adults, IMPAQ collaborated with AARP Foundation to conduct a survey of 1,590 adults age 50 and older. GFK administered the survey using the web-enabled KnowledgePanel®, a probability-based panel designed to be representative of the U.S. population. Survey questions allowed us to assess whether respondents experienced food insecurity, having to choose between food and other necessities, transportation issues, or trouble getting around their home in the past 12 months, and whether they currently live alone, have difficulty paying their bills, or are lonely. All estimates are weighted to be representative of U.S. adults aged 50 and older.

PREVALENCE OF UNMET SOCIAL NEEDS

While nearly half of adults aged 50 and older reported that their SDOH-related needs are being met, 51% reported experiencing at least one unmet social need, including:

- **Experiencing Loneliness** - 22% of older adults were frequently or often lonely at the time of the survey.
- **Facing Food Insecurity** - 16% of older adults lacked the financial resources to obtain adequate amounts of food at some point in the past year.
- **Having Inadequate Transportation** - 12% of older adults were sometimes or often unable to get to appointments or events in the past year due to transportation challenges.
- **Experiencing Mobility Challenges** - 11% of older adults experienced trouble getting around their home without assistance in the past 12 months.
- **Having Strained Financial Resources** - 23% of older adults had difficulty paying bills at the time of the survey and 11% were forced to choose between food and other necessities at some point in the previous 12 months.
- **Living Alone** - 22% of older adults were living alone at the time of the survey.

51% of older adults have at least one unmet social need

**MULTIPLE UNMET SOCIAL NEEDS**

SDOH can negatively impact older adults’ health, and these effects are amplified when more than one social need is present. More than one-quarter (28%) of older adults reported two or more unmet social needs, but this rate varied significantly across a number of demographic characteristics:

- **Age** - The percentage of older adults with multiple social needs was higher among younger cohorts: 34% of 50- to 59-year-olds compared to 24% of those aged 65 and older.
- **Gender** - A higher percentage of females (32%) experienced multiple unmet social needs compared to males (24%).
- **Urban/Rural Residence** - Older adults living in more rural areas were more likely to report multiple social needs (36%) than those in urban areas (27%).
- **Race/Ethnicity** - Multiple social needs were more likely to be reported by non-Hispanic Black older adults (38%) compared to non-Hispanic White (26%) and Hispanic older adults (30%).

Further, one unmet need can contribute to the occurrence of another unmet need: a reduction or cessation of driving due to disability or mobility challenges, for instance, may cause older adults to experience monetary, social, psychological, and emotional costs. Multiple unmet social needs were frequently reported by survey respondents. Among those experiencing any unmet social needs, 55% reported at least one additional unmet need:

- 64% of older adults with transportation problems were also food insecure (Exhibit 1)
- 66% of food insecure older adults and 59% of older adults with transportation problems had difficulty paying bills
- Of older adults with mobility challenges, 50% experienced transportation problems and 68% lived alone.
Having multiple unmet social needs was associated with older adults’ self-reported health status. The proportion of older adults reporting fair or poor health increased dramatically with the number of unmet social needs reported. Only 10% of older adults with no social needs were in fair or poor health at the time of the survey, compared to 80% of those experiencing 6 or more social needs (Exhibit 2).

Programs that address multiple social needs have the potential to make a great impact on health and health outcomes. This has been demonstrated by the Administration for Community Living’s Nutrition Services Program, which funds home-delivered meals and congregate meals programs for older adults. The programs have been found to reduce food insecurity, isolation, loneliness and depression and improve diet quality.13,14 Existing programs to address singular gaps in social needs, such as food security, transportation, mobility, or finances, should similarly explore opportunities to improve the overall health and wellbeing of the most complex older adults.

The health care system can also play a role in ensuring that social needs are considered a key component of overall health and wellbeing. Screening all patients for unmet social needs and referring those at risk to community services and public assistance has the potential to result in improved health outcomes and reduced health care costs. CMS’ Accountable Health Communities is one effort that aims to engage the health care system and screen patients for multiple social needs, but there are many more examples across the country.

IMPLICATIONS

Unmet social needs are a growing concern for the aging population, as they can contribute to poorer health outcomes and subsequently higher health care costs. Food insecurity among seniors, for instance, is associated with increased likelihood of activity limitations, lower nutrient intake, and fair or poor health status.10 Addressing social needs, on the other hand, has the potential to improve health outcomes: strong social relationships are associated with a decreased risk of mortality comparable to quitting smoking.11

As a result, it is now widely accepted that efforts to address social needs are critical to advancing population health and addressing rising health care costs.12 It is particularly important, then, to understand the scope of these issues, the complexity of unmet social needs, and how they may impact overall health and well-being. Our findings aim to help define and draw attention to this issue by quantifying the prevalence of multiple unmet social needs among older adults.

Exhibit 1. Food Insecurity among Adults Aged 50 and Older by Challenges with Transportation

| Transportation sometimes or often a challenge | 6.4 out of 10 are food insecure |
| Transportation never a challenge | 1 out of 10 are food insecure |

Exhibit 2. Fair/Poor Health Status among Older Adults by Number of Unmet Social Needs (n=1,590)

Every additional unmet social need increases the likelihood of fair or poor health for older adults.

Note: Fair/poor health for each number of unmet needs differed significantly from 0 unmet needs at p<0.001.
Acknowledging the link between unmet social needs and poor health outcomes, a number of recent studies have quantified the impact of the Supplemental Nutrition Assistance Program (SNAP) on health care costs and utilization. Participation in SNAP – intended to reduce food insecurity among low-income individuals – is associated with lower health care costs, decreased emergency department visits and hospitalizations, and reductions in cost-related medication nonadherence. These findings are promising and call for additional research to understand the extent to which social service programs (or combinations of programs) addressing multiple social needs can result in greater cost savings and reductions in health care utilization.

REFERENCES


ABOUT THE AUTHORS

MS. JENNIFER POOLER

(MPP, Public Policy, University of Southern Maine) has conducted research and evaluation in the area of food insecurity and nutrition assistance program participation for over 10 years.

DR. SIYING LIU

(Ph.D., Economics, University of Pittsburgh) is a Research Associate at IMPAQ who has conducted research and evaluation on a variety of topics related to breastfeeding, obesity, preventive services, and Medicare.

Special thanks to Ms. Abigail Roberts. Abigail is a student attending James Madison University studying Economics with an interest in international development and socioeconomics. She assisted with this publication while interning with IMPAQ in summer 2017.