

Supplementary Table S1. Accountable health communities tool for querying health-related social risks

Social risk	Survey question	Response
Living Situation	1. What is your living situation today?	I have a steady place to live
		<b>I have a place to live today, but I am worried about losing it in the future</b>
		<b>I do not have a steady place to live (I am temporarily staying with others, in a hotel, in a shelter, living outside on the street, on a beach, in a car, abandoned building, bus or train station, or in a park)</b>
	2. Think about the place you live. Do you have problems with any of the following?	<b>Pests such as bugs, ants, or mice</b>
		<b>Mold</b>
		<b>Lead paint or pipes</b>
		<b>Lack of heat</b>
		<b>Oven or stove not working</b>
		<b>Smoke detectors missing or not working</b>
		<b>Water leaks</b>
None of the above		
Food	1. Within the past 12 months, you worried that your food would run out before you got money to buy more.	<b>Often true</b>
		<b>Sometimes true</b>
		Never true
	2. Within the past 12 months, the food you bought just didn't last and you didn't have money to get more.	<b>Often true</b>
		<b>Sometimes true</b>
		Never true
Transportation	1. In the past 12 months, has lack of reliable transportation kept you from medical appointments, meetings, work or from getting things needed for daily living?	<b>Yes</b>
		No
Utilities	1. In the past 12 months has the electric, gas, oil, or water company threatened to shut off services in your home?	<b>Yes</b>
		No
		<b>Already shut off</b>
Safety	1. How often does anyone, including family and friends, physically hurt you?	Never (1)
		Rarely (2)
		Sometimes (3)
		Fairly often (4)
		Frequently (5)
	2. How often does anyone, including family and friends, insult or talk down to you?	Never (1)
		Rarely (2)
		Sometimes (3)
		Fairly often (4)
		Frequently (5)
		Never (1)

	3. How often does anyone, including family and friends, threaten you with harm?	Rarely (2)
		Sometimes (3)
		Fairly often (4)
		Frequently (5)
	4. How often does anyone, including family and friends, scream or curse at you?	Never (1)
		Rarely (2)
		Sometimes (3)
		Frequently (5)

Note: Bolded responses indicate that a caregiver screened positive for housing instability, food insecurity, transportation and utilities difficulties. A score of 11 or higher for the four safety questions indicated that a caregiver screened positive for interpersonal violence.

Supplementary Table S2. Survey instrument for screening for 14 unmet social needs at baseline

Domain	Question
Respite care	a. Do you know of places that offer respite care (i.e. adult day care services or memory cafes)? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to b; if no, go to c)
	b. Have you ever received services from places like this for you or your household? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to d; if no, go to c)
	c. Is this a service that you or your household needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	d. Do these places meet your needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Home care	a. Do you know of places that offer non-medical home-care services (i.e. assistance with grooming or meal preparation) <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to b; if no, go to c)
	b. Have you ever received services from places like this for you or your household? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to d; if no, go to c)
	c. Is this a service that you or your household needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	d. Do these places meet your needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Food delivery	a. Do you know of places where you can arrange to have food delivered for free or low-cost (i.e. Meals on wheels)? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to b; if no, go to c)
	b. Have you ever received services from places like this for you or your household? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to d; if no, go to c)
	c. Is this a service that you or your household needs? <ul style="list-style-type: none"> <li>• Yes</li> </ul>

	<ul style="list-style-type: none"> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
SNAP	<p>a. Do you know of places where you can register for SNAP for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>
	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Free food	<p>a. Do you know of places where you can get food for free (i.e. a food pantry or food bank)?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>
	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Mental health	<p>a. Do you know of places that offer mental health support (i.e. group or individual counseling, support groups)?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>

	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Physical fitness	<p>a. Do you know of places that offer physical fitness activities?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>
	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Financial	<p>a. Do you know of places that offer financial assistance (i.e. to help pay mortgage, rent or medical bills)</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>
	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Transportation	<p>a. Do you know of places that offer free or low-cost transportation services?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>

	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Housing	<p>a. Do you know of places that offer housing services (i.e. affordable home maintenance or help finding housing)?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>
	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Safety	<p>a. Do you know of places that offer personal safety services (i.e. domestic violence shelters)?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to d; if no, go to c)</p>
	<p>c. Is this a service that you or your household needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	<p>d. Do these places meet your needs?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Legal	<p>a. Do you know of places that offer free or low-cost legal assistance?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> <p>(if yes, go to b; if no, go to c)</p>
	<p>b. Have you ever received services from places like this for you or your household?</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>

	(if yes, go to d; if no, go to c)
	c. Is this a service that you or your household needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	d. Do these places meet your needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
Caregiver education	a. Do you know of places that offer caregiver education for caregivers of people with dementia? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to b; if no, go to c)
	b. Have you ever received services from places like this for you or your household? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to d; if no, go to c)
	c. Is this a service that you or your household needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	d. Do these places meet your needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>
End of life support	a. Do you know of places that offer end-of-life support for you or a loved one (i.e. hospice care, palliative care or advance care planning services)? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to b; if no, go to c)
	b. Have you ever received services from places like this for you or your household? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul> (if yes, go to d; if no, go to c)
	c. Is this a service that you or your household needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>
	d. Do these places meet your needs? <ul style="list-style-type: none"> <li>• Yes</li> <li>• Somewhat</li> <li>• No</li> </ul>

Note: 1. Caregivers who responded “Yes” to “Is this a service that you or your household needs”, or who responded “Somewhat or No” to “Do these places meet your needs?” were classified as having an unmet need.