# Appendix D

### **Home Hazard Checklist**

### Older Adults Home Modification Program Home Hazard Checklist<sup>1</sup>

(adapted from CDC's Home Safety Checklist, CPSC's Home Safety Checklist, PD&R 2011,
Rebuilding Together Safe at Home Checklist)

	Study ID			Today's Date	Form C	ompleted By:
Site ID	Field Team ID	Client ID	Visit	-	Name	Job Title
			☐ Baseline			(dropdown menu: OT,
			☐ Follow-Up			CAPS, other [Specify])
effective enrolled is estim	e its Older Adults H I in the program w	lome Modific hether you d tes per respo	ation Grant Progr ecide to participat onse. HUD may no	am is. The informate or not. The public ot collect this infor	ation you provide is volun lic reporting burden for co	h information about how stary. Your home can be ollection of this informatio required to complete this
other g		general, ai	_		oleted by the OT but c r observations but asl	
	sted Script: "Thes. Do you have	-	_	-	nis walkthrough will	take about 25
<u>GENE</u>	RAL DWELL	ING QUE	STIONS:			
A.1.(b	<mark>aseline only</mark> ) Asl	k the client	if you don't alr	eady know the	answer: "When was	your home built?"
	□ Pre-1900					
	□ 1900-1920					
	□ 1921-1940					
	□ 1941-1960					
	□ 1961-1980					
	□ 1981-2000					
	□ 2001-2020					
	□ 2021-preser	nt				
	□ Not answere	ed/don't kr	now			
A.2.( <mark>b</mark>	<mark>aseline only</mark> ) Typ	oe of home	/primary resid	ence:		
	□ Single-famil □ Single-famil duplex, tripl	y home, att	ached to one o	or more other c	lwellings (e.g., townh	ouse, rowhouse,
	□ Condominiu □ Unit in coop □ Manufactur	erative ho	using			

<sup>&</sup>lt;sup>1</sup> Code for this document: Black font=Question asked of the grantee; *Blue italics* = Instruction for the grantee; *yellow highlighted italics*: Instruction for REDCap programmer.

<ul> <li>□ Accessory dwelling unit</li> <li>□ Another type not already mentioned. Specify:</li> </ul>			_		
A.3. Number of stories inside home:					
GENERAL HOME INTERIOR (PD&R 2011, RT Safe a buildings, inspect only the unit itself, not common areas.	nt Home C	Checklist) /	or hom	es in I	multi-unit
	Yes, and	d Yes, bu	ıt is		
A.4. Does the home currently have any of the	is a	<u>not</u>	a		Not
following features:	hazard	hazaı	rd	No	applicable
A.4a. Missing grab bars or pressure-mounted vertical safety pole ("super pole") in any non-bathroom areas of the home?					
A.4b. Broken or boarded-up windows?					
A.4c. Missing storm windows?					☐ Storms removed for summer or unneeded
A.4d. Hardware for drapes, shades, and/or curtains that are difficult for client to use?					
A.4e. Plaster or drywall with cracks or holes?					
A.4f. Thermostat displays that are difficult for client to access and read?					
A.4g. Washing machine and/or dryer in a location that is difficult for client to access?					
A.5. (baseline only) Does the home already contain older as  □ Yes Go to A.5a □ No (Go to A.6)  A.5a optional Summarize existing older adult home mo  HOME EXTERIOR (Skip section if A.2=condominium or building)	difications	s:		multi-	·unit
A.6. Does the home exterior have:	Yes, and is a hazard	Yes, but is <u>not</u> a hazard	No	No Ap	t plicable
A.6a. Foundation that is crumbling or has open holes					oundation t observed
A.6b. Missing bricks, siding, or other outside material				1.13	2 2 2 2 2 1 7 2 4
A.6c. Roof problems (e.g., missing material, sagging, or hole(s))					Roof not served
A.6d. Slippery walking surfaces					
A.6e. Gutters or downspouts in poor repair					
A 6f (Ask only if A 2=mohile/manufactured home)					

Skirting in need of repair

A.7. In the area leading to the home entrance, are there uneven walking surfaces or broken steps?		
A.8. Do the steps just outside the home entrance have		□ No entry
missing or broken handrails?		steps
A.9. Is the exterior poorly lit at entrances? "Poorly lit"		
means (1) lights cause shadows on the walkway; (2)		
glare is thrown from the lights (e.g., unfrosted		
bulbs, or no shades or covers on lights); (3) bulb		
wattage is inadequate for size of walkway; (4) light		
bulb is burned out; or (5) bulb is missing from		
socket- If visit is during daylight hours, ask client.		
A.10. Is the address number posted on the home		
missing or not visible from the street for		
emergency responders?		
A.11. Does the client need to stretch or bend to reach		- Ne meille ev
into the mailbox?		□ No mailbox

## **HOME SAFETY DEVICES INSIDE HOME** For multi-unit buildings, inspect only the unit itself, not common areas.

		Vos and is	Voc but is		
		Yes, and is	Yes, but is	NI.	Ni di Assocità di Islandi
		a hazard	<u>not</u> a hazard	No	Not Applicable
B.1.	Are smoke detectors missing or not			□ Smoke	
	functioning? Ask client before testing			detectors	
	detector(s). If multiple detectors are			present &	
	or should be present, choose "yes,			functioning	
	and is a hazard) if ≥1 is not present				
	where it should be or is not working.				
B.2.	Are carbon monoxide alarms missing			□ CO	□ No CO alarm
	or not functioning? Ask client before			alarms	needed-no
	testing alarm(s). If multiple alarms are			present &	combustion
	or should be present, choose "yes, and			functioning	appliances or
	is a hazard) if $\geq 1$ is not present where				attached
1	it should be or is not working.				garage
	Are light switches difficult to locate in				
	the dark?				
B.4.	Are light switches difficult for the				
	client to operate? (e.g., not equipped				
	with rocker-style or other easy-to				
	function switches)				
B.5.	Can the client reach light switches				
	only if they stretch or bend?				
B.6.	Is hot water heater thermostat in				□ Did not
	need of repair or set above 120				observe hot
	degrees?				water heater

#### **FLOORS INSIDE HOME** For multi-unit buildings, inspect only the unit itself, not common areas.

		Yes, and is a hazard	Yes, but is <u>not</u> a hazard	No
C.1.	Height differences exist between flooring transitions (e.g., between rooms or between different types of flooring)			
C.2.	Floors and floor surfaces (e.g., tile, carpet) pose slipping or tripping hazards or are in need of repair (e.g., uneven surfaces, holes, tears in flooring, torn carpet, carpet curling, uneven surfaces in hardwood, etc.)			
C.3.	Do you have to walk over or around wires or cords (e.g., lamp, telephone, or extension cords)?			
C.4.	Are rugs in rooms other than the kitchen and bathroom not secured? Answer "no" if no rugs are present in rooms other than kitchen or bathroom.			

### **ENTRANCE DOORS AND DOORS INSIDE HOME** For units in multi-unit buildings, inspect only the unit itself, not common areas.

	Yes, and is a hazard	Yes, but is <u>not</u> a hazard	No
D.1. Do doors have door knobs instead of door levers? (PD&R 2011)			
D.2. Do doors have non-zero thresholds?			
D.3. Are doors missing or in need of repair (e.g., unable to close properly, holes, swing awkwardly)?			
D.4. Do exterior (entrance) doors:			
D.4a Have door locks that are difficult for the client to operate?			
D.4b Missing peephole or have peephole client can reach only if they stretch or bend?			
D.4c Missing automatic door openers or hands-free door hold open capability?			
D.4d Missing storm door(s) or have storm doors in need of repair?			
D.4e Missing slide latches, chains, or other devices for added security?			

### STAIRS AND STEPS INSIDE HOME

For condominiums and apartments in multi-unit buildings, consider only stairs located within the unit, not those in common areas.

E.1 Are there stairs or steps inside home?  $\Box$ Yes Go to E.1a  $\Box$  No (Go to E.2)

E.1a Can you (the field person) access the stairs or steps inside home?

 $\square$ Yes Go to E.2  $\square$  No (Go to F.1)

	Yes, and is	Yes, but is	
	a hazard	<u>not</u> a hazard	No
E.2. Are any stair treads or risers missing, broken, or uneven?			
E.3. Is light fixture over the stairs missing?	□ Go to E.4	□ Go to E.4	□ <mark>(Go to</mark> E.3a)
E.3a. Is there only one light switch for the stairway light (i.e., switch			
is located only at the top or only at the bottom of the stairs)?			
E.3b. Is the stairway poorly lit? "Poorly lit" means (1) lights cause			
shadows on the walkway; (2) glare is thrown from the lights			
(e.g., unfrosted bulbs, or no shades or covers on lights); (3)			
bulb wattage is inadequate for size of walkway; (4) light bulb			
is burned out; or (5) bulb is missing from the socket. If visit is			
during daylight hours, ask the client.			
E.4.Do stair treads have slippery surfaces, whether carpeted or bare?			
E.5. Are handrails or balusters missing, loose, broken, at an			
inappropriate height, or do not extend the length of the stairs?			
E.6. Are handrails present on only one side of the stairs?			

#### **KITCHEN**:

F.1 Can you (the field person) access the kitchen?

 $\square$  Yes Go to F.2  $\square$  No (Go to G.1)

	Yes, and is a hazard	Yes, but is <u>not</u> a hazard	No	Not Applicable
F.2. Does the client need to stretch or bend to reach items they often use, including the microwave? You may need to look at the items on high shelves and ask the client if they often use these materials.				
F.3. Is the kitchen poorly lit? "Poorly lit" means (1) lights cause shadows on the walkway; (2) glare is thrown from the lights (e.g., unfrosted bulbs, or no shades or covers on lights); (3) bulb wattage is inadequate for size of walkway; (4) light bulb is burned out; or (5) bulb is missing from the socket. If visit is during daylight hours, ask the client				
F.4. Are outlets near wet areas missing GFCIs?				□ No outlets are present near wet

			areas
F.5. Is the kitchen missing a fire extinguisher or is the fire extinguisher only partly charged or empty?			
F.6. Does the faucet have knobs instead of handles or levers? (PD&R 2011)			
F.7. Are kitchen cabinets or shelves missing or in need of repair?			
F.8. Are kitchen cabinets missing rollout trays or lazy susans? (PD&R 2011)			
F.9. Is stove missing an automatic turnoff device?			
F.10. Are kitchen rugs not secured? Answer "no" if no kitchen rugs are present			
F.11 Was one or more appliances malfunctioning on the day of the visit?	□ Go to F.11a		
F.11a Which appliance(s) was/were	□ Stove		
malfunctioning? Check all that apply	□ Oven		
	□ Refrigerator		
	□ Microwave		
	□ Other		

#### BATHROOM((S):

G.1.	How many bathrooms are present in the home? Include both full and half baths in this count.
	(If answer>1, program REDCap to ask G.2-G.11 for each bathroom)
G.2.	Can you (the field person) access bathroom ( <i>Insert number</i> )? $\Box$ Yes ( <i>Go to G.3</i> ) $\Box$ No ( <i>Go to G.2</i> )
	for bathroom 2, or H.1 if there is only 1 bathroom)

G.3. Descriptive Information for Bathroom (insert number)

G.3a (baseline only and only if G.1>1. Describe location (e.g., floor number and other description to help keep bathrooms in order at follow-up visit)\_\_\_\_\_

G.3b Is Bathroom (insert number) a full or half bath?

 $\Box$  Full (Ask all questions G.4-G.19)  $\Box$  Half (Skip questions G.15-G.19)

For follow-up visit, include the following grantee guidance: Complete the questions below for each bathroom, following the same order of bathrooms you used at baseline)

		Yes, and is a hazard	Yes, but is <b>not</b> a hazard	No
<b>—</b>		a Hazaru	ilot a Hazaru	
G.4.	Is the toilet missing grab bars or have grab bars that		_	
	are poorly located or in need of repair?			
G.5.	Is the toilet standard height (i.e., lower than			
	comfort height? Do not include portable devices			
	(PD&R 2011)			

G.6.	Is toilet paper holder poorly positioned for client?		
G.7.	Is toilet seat missing or in need of repair?		
G.8.	Is toilet handle difficult for client to use?		
G.9.	Are the hot water pipes beneath the sink exposed?		
G.10.	Is the bathroom poorly lit? "Poorly lit" means (1) lights cause shadows on walking area; (2) glare is thrown from the lights (e.g., unfrosted bulbs, or no shades or covers on lights); (3) bulb wattage is inadequate for the room space; (4) light bulb is burned out; or (5) bulb is missing from the socket		
G.11.	Are bathroom rugs not secured? Answer "no" if no bathroom rugs are present		
G.12.	Is bathroom mirror and cabinet missing or poorly positioned to meet client's needs?		
G.13.	Is bathroom missing GFCI outlets?		
G.14.	Do the faucets have knobs instead of levers or handles? (PD&R 2011)		
G.15.	Does the tub or shower have a slippery surface?		
G.16.	Is the shower or bathtub area missing grab bars or have grab bars poorly located or in need of repair?		
G.17.	Does the bathroom contain only a bathtub (no shower)?		
G.18.	Is the shower missing a flexible handheld hose?		
G.19.	Does the shower have a threshold?		
BEDR	ROOM:		

Visually assess only one bedroom. Check the same bedroom at the follow-up visit. Visually check	< the
bedroom even if they currently sleep in the living room or other area.	

H.1. Number of bedrooms in home:							
H.2.	(Ask the client the following): "Where do you normally sleep?".						
	If there is more than one bedroom, ask the client to identify which bedroom they sleep in most frequently or would like to sleep in if it was accessible and visually check this bedroom. Visually check the bedroom even if they currently sleep in the living room or other area.						

□ Bedroom (Describe location of client's bedroom, including whether it is on a different floor from the main living area and kitchen, or different floor from the bathroom the client normally uses. At follow-up visit, you do not need to describe location; however, if H.1>1, note if this bedroom is the same one the client slept in at baseline): \_\_\_\_\_(Go to H.3)

☐ Living Area Go to H.2a

☐ Other room not yet mentioned. Specify: Go to H.2a				
H.2a. (Ask the client the following): "Why don't you sleep in	ı a bedroo	m?":		
H.2b. "Which bedroom would you sleep in if you could? _				
(Describe location of this bedroom, including whether it is local living area and kitchen, or a different floor from the bathroom visit, if H.1>1, note if this bedroom is the same one the client sl	the client r	normally us	es. At foll	
H.3. Can you (the field person) access the bedroom identified ir	n H.2? □ Ye	s Go to H.4	□ No <mark>(</mark> (	Go to I.1)
Does the client's bedroom have any of the following issues	Yes, and is a hazard	Yes, but is <u>NOT</u> a hazard		Not applicable
H.4 Is the light near the bed missing or hard to reach?				
H.5 Is the path from the bed to the bathroom poorly lit?  "Poorly lit" means (1) lights cause shadows on the walkway; (2) glare is thrown from the lights (e.g., unfrosted bulbs, or no shades or covers on lights); (3) bulb wattage is not adequate for size of walkway; (4) bulb is burned out; or (5) bulb is missing from the socket. If visit is during daylight hours, ask the client  H.6 Does client have to stretch to reach the switch for the ceiling light fixture or ceiling fan? You may need to look				□ no ceiling light fixture
to see if fixtures with chains are present in the bedroom and, if yes, ask the client if he/she has troubling reaching it.  ACCESSIBILITY (PD&R 2011)				or fan present
I.1 Does the client use a wheelchair, or is a wheelchair is preser	nt in the ho	me at the t	ime of th	e visit?
☐ Yes (Go to 1.2) ☐ No (Go to 1.3)				
(Complete I.2 only if client uses a wheelchair)				
		Yes, and is a hazard	Yes, but <u>NOT</u> a hazard	No
I.2 While in a wheelchair, would the client find it difficult to acc	cess the			
following features or rooms in this home:				
I.2a Electrical outlets? (PD&R 2011)				
I.2b Electrical switches (e.g., light switches)?				
I.2c Climate controls (thermostats)?				
I.2d All kitchen cabinets?				
I.2e Kitchen countertops?				
I.2f Bathrooms?				
I.2g Bedrooms?				
I.3 Is the bathroom missing:				

I.3a A roll-under sink? (Answer only if person uses a wheelchair)

I.3b A walk-in tub or accessible shower?			
I.3c An easy-transfer toilet (e.g., raised or comfort height)?			
I.3d Sufficient turn-around space (e.g., if person uses a wheelchair,			
walker, or cane or needs help from another person)?			
I.3e Easy-access storage area?			
I.4 Are the floors uneven or do they have high-pile carpet?			
I.5 Does the home currently have any of the following features:			
I.5 Does the home currently have any of the following features:  I.5a Narrow doors or hallways?			
I.5a Narrow doors or hallways?	_	_	
I.5a Narrow doors or hallways? I.5b Areas of the home that are not on the same level, meaning	_	_	
I.5a Narrow doors or hallways? I.5b Areas of the home that are not on the same level, meaning there are steps between rooms?			

VISION, HEARING, AND COGNITIVE ISSUES (PD&R 2015)
J.1 Does the client have issues with their vision? (Consult client's responses to C.3 on the Client Impact Evaluation Interview form if needed to answer this question.)   Yes (Go to J.1a)  No (Go to J.2)
J.1a Are electrical and light switches missing tactile cues?  □Yes, and is a hazard □ Yes, but is not a hazard □ No
J.1b Are stairs or changes in surface missing visual (e.g., color contrast) or tactile cues?  □Yes, and is a hazard □ Yes, but is not a hazard □ No  J.1c Are thermal controls missing digital displays with large font, backlit features?  □Yes, and is a hazard □ Yes, but is not a hazard □ No
J.2 Does the client have issues with their hearing? (Consult client responses to C.3 on the Client Impact Evaluation Interview form if needed to answer this question.) $\Box$ Yes Go to J.2a $\Box$ No (Go to J.3)
<ul> <li>J.2a Are safety devices (smoke, CO alarms) missing visual cues?</li> <li>□ Yes, and is a hazard □ Yes, but is not a hazard □ No</li> <li>J.2b Does the doorbell use bells instead of flashing lights?</li> </ul>
☐ Yes, and is a hazard ☐ Yes, but is not a hazard ☐ No
J.3 Does the client have cognition issues? (Consult client responses to C.3 on the Client Impact Evaluation Interview form if needed to answer this question. ) $\square$ Yes Go to J.3a $\square$ No (end home hazard checklist)
J.3a Is the range missing conductive heating that could prevent burning?
☐ Yes, and is a hazard ☐ Yes, but is not a hazard ☐ No
Comments about Home Hazard Check (e.g., areas that were not accessible, conditions found that did not fit any checklist categories, etc.):