



Article

How Older People Experience the Age-Friendliness of Their City: Development of the Age-Friendly Cities and Communities Questionnaire

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Supplementary Table S1. Reasons for item exclusion in all steps for the Age-Friendly Cities and Communities Questionnaire (AFCCQ).

<u> </u>									
Item Nr.	Item Text	Step 3 I-CVI ^a	Step 4 Readability	Step 5 I-CVI b	Step 6 EFA	Step 7 CFA	Reason for Exclusion		
Domain 1: Housing									
1	I can pay my living expenses (rent/mortgage) without any problem.	1.0	8.7	1.0	0.67	<0.70	Low loading CFA		
2	My house is well maintained.	0.7	-	-	-	-	Exclusion I-CVI consensus		
3	My house has the facilities and adaptations that I need.	1.0	8.6	1.0	0.51	<0.60	Low loading CFA		
4	My house is accessible to me.	0.9	8.3	1.0	0.76	0.95	Included		
5	I can pay water, electricity, gas and municipal tax.	0.8	-	-	-	-	Exclusion I-CVI consensus		
6	I believe my city has sufficient affordable and suitable homes for older people.	1.0	9.3	0.75	-	-	Exclusion I-CVI consensus		
7	There are sufficient lifetime homes in my city.	0.6	-	-	-	-	Exclusion I-CVI score		
8	If necessary, it is possible and affordable to have the necessary adjustments made to my home.	0.8	-	-	-	-	Exclusion I-CVI consensus		
9	My house is accessible to the people who come to visit me.	0.9	9.3	1.0	0.77	0.77	Included		
10	I feel safe and secure in my neighbourhood.	1.0	9.9	1.0	0.41	< 0.70	Low loading CFA		
11	My house in easy to keep clean.	0.8	-	-	-	-	Exclusion I-CVI consensus		
Domain 2: Social Participation									
12	For me, there are enough social, cultural or educational activities or other forms of leisure in my neighbourhood.	1.0	8.6	1.0	0.64	х	Problematic standardised residual covariances		
13	There are enough sports activities available to me (alone or in a group) in my city.	0.9	8.6	1.0	0.56	х	Problematic standardised residual covariances		

14	For me, there are plenty of opportunities in the city to participate in religious activities.	0.8	-	-	-	-	Exclusion I-CVI consensus		
15	There are plenty of interesting activities in my neighbourhood.	0.9	8.9	0.75	-	-	Exclusion I-CVI consensus		
16	There are enough opportunities to meet people in my neighbourhood.	0.9	9.1	1.0	0.67	0.71	Included		
17	My neighborhood offers enough activities to participate in.	0.8	-	-	-	-	Exclusion I-CVI consensus		
18	The number of times that I see or speak to friends or family a week is sufficient.	0.9	9.7	1.0	x	-	Communalities < 40		
19	If necessary, I can get special community transport. (Moved to the domain of Community support and health services)	0.8	8.9	1.0	0.62	<0.50	Low loading CFA		
20	The relationship/contact between the people in the neighbourhood is good.	0.9	8.0	0.88	0.45	< 0.50	Low loading CFA		
21	Amenities in my neighbourhood are easily accessible.	1.0	9.4	0.88	x	-	Cross-loading EFA		
22	Activities and events are organised in places that are accessible to me.	1.0	9.1	0.88	0.66	0.79	Included		
23	Activities and events are organised at convenient times for me.	0.7	-	-	-	-	Exclusion I-CVI consensus		
24	Activities and events are affordable for me. (Moved to the domain of Financial situation)	0.9	9.1	1.0	0.41	<0.70	Low loading CFA		
25	The information about activities and events is enough for me and also suitable	1.0	9.0	0.88	0.76	0.78	Included		
26	for me. I find the range of events and activities sufficiently varied.	0.9	9.1	0.88	0.77	0.80	Included		
Domain 3: Respect and Social Inclusion									
	I sometimes get annoying or negative					0 = 1			
27	remarks because of my age.	1.0	9.9	0.88	0.74	0.76	Included		
	I have enough opportunities to interact								
28	with younger generations. (Moved to the	1.0	9.3	0.88	0.58	0.76	Included		
	domain of Civic participation and								
	employment)						E 1 ' LCVI		
29	Sufficient activities are being undertaken to improve the neighborhood.	0.4	-	-	-	-	Exclusion I-CVI score		
30	I regularly associate with older people with a different background.	0.7	-	-	-	-	Exclusion I-CVI consensus		
31	I believe that companies in my area and the government have tailored their services well to my needs.	0.9	8.6	0.75	-	-	Exclusion I-CVI consensus		
32	I believe that staff working in the stores in my area take my needs into account.	0.8	8.9	0.5	-	-	Exclusion I-CVI consensus		
33	I believe that the media in my area present a realistic picture of older people.	0.9	7.6	0.75	-	-	Exclusion I-CVI consensus		
34	I believe that the posters and leaflets give a realistic image of older people.	0.7	-	-	-	-	Exclusion I-CVI consensus		
35	Older people are sufficiently involved in educational activities.	0.7	-	-	-	-	Exclusion I-CVI consensus		
36	I feel like a valued member of society. (Moved to the domain of Civic participation and employment)	1.0	9.0	1.0	0.51	0.78	Included		
37	Services (municipality, healthcare, welfare) are sufficiently accessible to people who are less well off financially.	0.8	-	-	-	-	Exclusion I-CVI consensus		
38	Sometimes I am confronted with false imaging of older people.	0.7	-	-	-	-	Exclusion I-CVI consensus		
					0.70	0.77			
39	I sometimes face discrimination because of my age.	1.0	9.4	1.0	0.70	0.77	Included		
39 40		1.0 0.9	9.4 8.7	1.0 1.0	0.70 X	-	Communalities < 40		

41							
41	If I would like to, there are enough opportunities to do volunteer work that suits my interests and abilities.	1.0	9.4	1.0	0.54	<0.60	Low loading CFA
42	I feel sufficiently listened to in participation and decision making.	0.9	7.0	0.88	х	-	Cross-loading EFA
43	I am sufficiently involved in things that are going on in my neighbourhood.	0.9	9.3	0.88	x	-	Cross-loading EFA
44	I feel that municipal plans ABOUT older people have also been decided WITH older people.	1.0	7.1	0.88	x	-	Communalities <40
45	I can give my opinion on the services and facilities that are of interest to me.	0.8	-	-	-	-	Exclusion I-CVI consensus
46	I am involved in developments in the neighbourhood.	0.8	-	-	-	-	Exclusion I-CVI consensus
47	I am well informed about what is going on in the neighbourhood.	0.9	8.7	1.0	x	-	Cross-loading EFA
48	I do volunteer work on a regular basis.	0.9	9.6	0.88	X	-	Cross-loading EFA
49	In the past month I have been active as a	0.7	-	-	-	-	Exclusion I-CVI
	volunteer at least once. Domain 5: C	ommuni	cation and Ir	formation			consensus
	There is enough information available	JIIIIIIIII	cation and in	iioiiiiatioi			
50	about activities for seniors in my neighbourhood. (Moved to the domain of Social participation)	0.9	9.1	1.0	0.35	x	Problematic standardised residual covariances
51	There is sufficient municipal and neighborhood information available for older people.	0.6	-	-	-	-	Exclusion I-CVI score
52	There is sufficient word of mouth regarding activities in the neighborhood.	0.6	-	-	-	-	Exclusion I-CVI score
53	There is sufficient word of mouth regarding activities in the neighborhood for people who are socially isolated.	0.5	-	-	-	-	Exclusion I-CVI score
54	Printed and digital information from the municipality and other social institutions	1.0	0.7	0.00	0.54	0.79	Included
34		1.0	8.7	0.88	0.54	0.79	
55	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language.	0.9	8.7	1.0	0.51	0.77	Included
	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered.						
55	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered. If I have a complaint, I feel that I am listened to.	0.9 0.9 0.9	8.7 9.0 9.0	1.0 1.0 0.88	0.51 0.58 x	0.77	Included
55	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered. If I have a complaint, I feel that I am listened to. Domain 6: Comm	0.9 0.9 0.9	8.7 9.0 9.0	1.0 1.0 0.88	0.51 0.58 x	0.77	Included Low loading CFA Cross-loading EFA
55	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered. If I have a complaint, I feel that I am listened to. Domain 6: Comm I think the hospitals in my city are senior-friendly.	0.9 0.9 0.9	8.7 9.0 9.0	1.0 1.0 0.88	0.51 0.58 x	0.77	Included Low loading CFA
55 56 57	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered. If I have a complaint, I feel that I am listened to. Domain 6: Comn I think the hospitals in my city are senior-friendly. The quality of care in my city is sufficient. (Moved to the domain of Transportation)	0.9 0.9 0.9 nunity S	8.7 9.0 9.0	1.0 1.0 0.88	0.51 0.58 x	0.77	Included Low loading CFA Cross-loading EFA Exclusion I-CVI score Low loading CFA
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55 56 57 58 59 60 61 62	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered. If I have a complaint, I feel that I am listened to. Domain 6: Comn I think the hospitals in my city are senior-friendly. The quality of care in my city is sufficient. (Moved to the domain of Transportation) I don't have to go far from home to visit a care service. If I provide family care, I receive enough support. I receive sufficient domestic help at home.	0.9 0.9 0.9 0.6 0.9 0.8 1.0 0.9	8.7 9.0 9.0 upport and F - 9.0	1.0 1.0 0.88 Health Serv - 0.88	0.51 0.58 x vices - 0.49	0.77 <0.50 - - <0.50	Included Low loading CFA Cross-loading EFA Exclusion I-CVI score Low loading CFA Exclusion I-CVI consensus
55 56 57 58 59 60 61 62 63	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered. If I have a complaint, I feel that I am listened to. Domain 6: Comm I think the hospitals in my city are senior-friendly. The quality of care in my city is sufficient. (Moved to the domain of Transportation) I don't have to go far from home to visit a care service. If I provide family care, I receive enough support. I receive sufficient domestic help at home. I can afford my healthcare costs.	0.9 0.9 0.9 0.6 0.9 0.8 1.0 0.9 0.8	8.7 9.0 9.0 upport and F 9.0 - 9.0 8.6 -	1.0 0.88 Health Serventian - 0.88 - 0.88 1.0	0.51 0.58 x vices - 0.49 - 0.74 0.54 -	0.77 <0.50 <0.50 - <0.50 - <0.50 - <0.50	Included Low loading CFA Cross-loading EFA Exclusion I-CVI score Low loading CFA Exclusion I-CVI consensus Low loading CFA Low loading CFA Exclusion I-CVI consensus
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55 56 57 58 59 60 61 62 63 64 65	is easy to read in terms of font and size. Printed and digital information from the municipality and other social institutions is written in understandable language. When I call the municipality or another social institution I am well answered. If I have a complaint, I feel that I am listened to. Domain 6: Comn I think the hospitals in my city are seniorfriendly. The quality of care in my city is sufficient. (Moved to the domain of Transportation) I don't have to go far from home to visit a care service. If I provide family care, I receive enough support. I receive sufficient domestic help at home. I can afford my healthcare costs. The supply of care and welfare in my city is enough for me. The supply of care and welfare in my city is generally sufficient. When I am ill, I receive the care and help I	0.9 0.9 0.9 0.6 0.9 0.8 1.0 0.9 0.8 1.0 0.9	8.7 9.0 9.0 upport and F - 9.0 - 9.0 8.6 - 9.0	1.0 1.0 0.88 Health Server 0.88 - 0.88 1.0 - 0.88	0.51 0.58 x vices - 0.49 - 0.74 0.54 - 0.58	0.77 <0.50 <0.50 - <0.50 - <0.50 - 0.74	Included Low loading CFA Cross-loading EFA Exclusion I-CVI score Low loading CFA Exclusion I-CVI consensus Low loading CFA Low loading CFA Exclusion I-CVI consensus Included Exclusion I-CVI score

69	I have enough information about care and	1.0	8.7	1.0	0.54	0.79	Included			
	welfare services in my neighbourhood. Healthcare in my city is sufficiently						Exclusion I-CVI			
70	coordinated and easy to get.	0.7	-	-	-	-	consensus			
71	Care and welfare workers in my neighbourhood are sufficiently respectful.	0.8	8.7	0.88	0.62	0.78	Included			
72	The care and welfare facilities I need are affordable for me.	0.8	-	-	-	-	Exclusion I-CVI consensus			
73	Communication about crisis situations in my city has consideration for seniors.	1.0	7.6	0.88	x	-	No Loading			
Domain 7: Outdoor Spaces and Buildings										
74	I can easily walk from A to B in my	0.8	9.7	1.0	0.53	< 0.60	Low loading CFA			
75	neighbourhood. Public buildings in my city are easily accessible to me.	1.0	9.4	1.0	0.52	<0.70	Low loading CFA			
76	My neighbourhood and street are safe and secure. (Moved to the domain of Respect and Social inclusion)	0.9	7.6	1.0	0.51	<0.50	Low loading CFA			
77	I can always park my car close to home.	0.8	8.4	0.88	х	_	Communalities < 40			
78	(Moved to the domain of Transportation) Shops are close to my house.	0.9	8.6	0.88	х	_	Cross-loading EFA			
79	-	0.8	0.0	0.00	_	_	Exclusion I-CVI			
79	Tiles in sidewalks are straight.	0.6	-	-	-	-	consensus			
80	In my neighborhood, cycling and walking paths are well separated from each other.	0.9	9.6	0.75	-	-	Exclusion I-CVI consensus			
81	There are parks near my home where I can go.	0.7	-	-	-	-	Exclusion I-CVI consensus			
	There are enough seats and benches in the						conscrisus			
82	parks and shopping malls in my neighbourhood.	1.0	9.0	1.0	X	-	Communalities < 40			
83	There are enough clean and accessible public toilets in my neighbourhood.	1.0	8.3	1.0	0.48	<0.50	Low loading CFA			
84	The public space in my neighbourhood (park, street, square) is clean and pleasant to be in.	1.0	9.6	1.0	0.40	<0.50	Low loading CFA			
85	Pedestrian crossings in my neighbourhood are safe. (Moved to the domain of Communication and Information)	0.9	9.6	0.88	0.59	<0.60	Low loading CFA			
86	I have enough time to cross at pedestrian	1.0	9.6	0.88	x	-	Cross-loading EFA			
87	crossings in my neighbourhood. My city is sufficiently accessible with a walker or wheelchair.	0.8	-	-	-	-	Exclusion I-CVI consensus			
	My neighbourhood is sufficiently						conscribus			
88	accessible for a wheeled walker or wheelchair.	1.0	8.9	1.0	0.37	0.80	Included			
89	The shops in my neighbourhood are sufficiently accessible with a wheeled walker or wheelchair.	1.0	9.6	1.0	0.40	0.88	Included			
		main 8: 7	ransportation	n						
90	I can easily get on the bus or tram in my neighbourhood.	0.9	9.7	0.88	0.76	0.81	Included			
91	The bus and tram stops in my neighbourhood are easy to reach and use.	0.9	9.3	1.0	0.82	0.95	Included			
92	Public transportation in my city fits my needs.	0.9	9.3	0.88	0.74	x	Problematic standardised residual covariances			
93	Public transportation in my city is affordable for me.	0.7	9.1	0.88	0.40	<0.50	Low loading CFA			
94	Streets are safe enough for older people.	0.7	-	-	-	-	Exclusion I-CVI consensus			
95	Public transport services are frequent.	0.7	-	-	-	-	Exclusion I-CVI consensus			
96	The bus and tram drivers in my city are considerate of me.	0.9	9.1	0.88	x	-	Cross-loading EFA			

97	The quality and availability of the community transport in my city (The Hague) is sufficient.	0.8	-	-	-	-	Exclusion I-CVI consensus		
98	There are sufficient disabled parking spaces in my city. (Moved to the domain of Outdoor spaces and buildings)	0.9	8.3	0.88	0.70	<0.50	Low loading CFA		
Domain 9: Technology									
99	If I could contact my doctor electronically, I would.	0.8	-	-	-	-	Exclusion I-CVI consensus		
100	If I could notify home care via an emergency response system, I would.	0.9	7.7	0.75	-	-	Exclusion I-CVI consensus		
101	I would be happy if the doctor could check on me remotely and see me in a digital consultation.	1.0	8.1	1.0	x	-	Communalities < 40		
102	I think technology supports and simplifies my life.	1.0	9.0	0.62	-	-	Exclusion I-CVI consensus		
103	I am able to understand and use the digital services provided by the municipality, bank and public transport.	1.0	8.9	1.0	x	-	Communalities < 40		
104	I am sufficiently adept at digital care and ehealth.	0.7	-	-	-	-	Exclusion I-CVI consensus		
105	I experience obstacles in my daily life due to technology.	0.9	8.9	0.75	-	-	Exclusion I-CVI consensus		
	Doma	in 10: Fi	nancial Situat	tion					
106	My income is sufficient to cover my basic needs without any problems.	1.0	9.4	1.0	0.87	0.96	Included		
107	I live well on my income.	0.9	9.9	1.0	0.88	0.90	Included		
108	I have appealed to others for financial support one or more times in the past 12 months.	0.8	-	-	-	-	Exclusion I-CVI consensus		
109	I am concerned about my financial situation.	0.7	-	-	-	-	Exclusion I-CVI consensus		
110	I know where to go with questions about money, for example at the municipality.	0.8	-	-	-	-	Exclusion I-CVI consensus		

Item Content Validity Index (I-CVI)—number of experts rating a 3 or 4/total number of experts. a —Items with I-CVI \leq 0.69 were excluded, 0.69 < I-CVI < 0.90 were individually assessed, I-CVI \geq 0.90 were retained b —Items with I-CVI \leq 0.78 were retained. AFCCQ average Scale-Content Validity Index (S-CVIave) after step 3 = 0.95 (64 items). AFCCQ average Scale-Content Validity Index of the final instrument = 0.95 (23 items). Bold items are included in the final AFCCQ. The grey cells indicate that items were excluded in the next step of the validation process. The letter x represents a non-numeric exclusion for next step.