

Appendix 1. Interview coding scheme

Category	Item (Codes)
Appearance	1. Humanness of drawing (1=machine-like; 2=stuff-animal-like; 3=humanroid robot-like; 4=humanlike)
	2. Gender (1=Female; 2=male; 3=unspecified)
	3. Size (1=small-portable; 2=medium-pet size; 3=large-human size)
Place	4. Indoor places (type responses; 0=not applicable)
	5. Outdoor places (type responses; 0=not applicable)
Function	6. Toileting (0=no; 1=yes)
	7. Feeding (0=no; 1=yes)
	8. Handing items to participant (0=no; 1=yes)
	9. Bathing (0=no; 1=yes)
	10. Getting dressed (0=no; 1=yes)
	11. Getting out of bed/chair (0=no; 1=yes)
	12. Getting outside (as a tool) (0=no; 1=yes)
	13. Getting around inside (0=no; 1=yes)
	14. Doing housework (0=no; 1=yes)
	a. washing window (0=no; 1=yes)
	b. sweep the floor (0=no; 1=yes)
	c. laundry (0=no; 1=yes)
	15. Shopping for food or personal items (0=no; 1=yes)
	16. Making meals (0=no; 1=yes)
	17. Paying bills or banking (0=no; 1=yes)
	18. Managing medication (0=no; 1=yes)
	19. Using a phone (0=no; 1=yes)
	20. Massage (0=no; 1=yes)
	21. Chatting (0=no; 1=yes)
	22. Entertaining (0=no; 1=yes)
23. Exercising (as a friend) (0=no; 1=yes)	
24. Staying close by (0=no; 1=yes)	
25. Other (type responses)	

Type	26.	Ideal type (1=Companion only; 2=More companion oriented; 3=Both equally ideal;4=More service oriented;5=Service only)
Interaction	27.	Amount of interaction (1=no interaction; 2=interact when needed; 3=constant interaction)
	a.	Day time (0=no; 1=yes)
	b.	Night time (0=no; 1=yes)
	c.	In ideal situation, I want this robot to follow me 24/7 (0=no; 1=yes)
	d.	If needed, I am fine with this robot following me 24/7 (0=no; 1=yes)
	28.	Conversation topics (type responses)
Specific function	29.	Eye (type responses)
	30.	Mouth (type responses)
	31.	Ears (type responses)
	32.	Arms (type responses)
	33.	Face (type responses)
	34.	Legs (type responses)
	35.	Other (type responses)
Worries	36.	(type responses)
Solutions	37.	(type responses)
Enthusiasm	38.	How enthusiastic was the participant when talking about robots (no enthusiasm (1) – (5) very enthusiastic)

Appendix 2. Descriptions of the companion robot and the service robot used in the questionnaire study

a. Robot A



Size	57cm(length)
Weight	2.5 kg
Functions	<ol style="list-style-type: none"> 1. Identify sound source 2. Detect hugs 3. Remember its own name, able to greet and compliment others 4. Remember interaction styles 5. Express emotions using voice, body language and facial expressions

b. Robot B



Size	37cm(length) x 37cm(width) x 62cm(height)
Weight	10 kg
Functions	<ol style="list-style-type: none"> 1. Provide stock information 2. Online learning for older adults 3. Emergency calls to police 4. Medication delivery service 5. Fall detection