Supplementary Materials

Table S1. Thematic analysis codebook

Main theme name	Description	Sub theme name	Description	Participant frequency	Code frequency
Areas for improvement	Participants described how the Neo could be improved in the future			4	6
		Additional features	Participants were asked about what features they would like to be added to the Neo	9	62
Challenges	Participants described challenges when using the Neo in their home			9	79
		Neo issues	Participants described issues with the design of the Neo	8	20
		Technical issues	Participants described experiencing system issues	4	8
		Responding to everyday sounds	Participants described issues with the number of instances the Neo would activate	3	5
		Missed falls	Participants who experienced falls were concerned when the Neo did not activate	2	4
		Tech savvy	Participants described concerns about using more technology when some already find it challenging	3	4
Decisions to get a monitoring system	Participants were asked about their perspectives and/or experiences using other monitoring devices or personal alarms			8	28
		Personal experiences	Participants described how experiencing a fall, knowing someone who has had a fall, or knowing they could be at risk of a fall, as factors for using a monitoring system	2	7
Future use of the Neo	Participants were asked if they would continue to use the Neo in the future			6	11
		Aged care facilities	Participants were asked about who they thought could benefit from using the system	8	13
Cost	Participants were asked how much they would be willing to pay for the Neo			9	36

		Supported by allied health providers	Participants described that they may be more likely to pay for the Neo if it is recommended by a health care professional and the cost could be subsidise	6	11
Positive anecdotes	Despite challenges with the Neo, participants described having positive experiences and perceived the Neo in a positive way			8	18
		A sense of security	Participants described feeling safer in their home when using the Neo	4	6
		Recommending to others	Participants described that they would recommend the Neo system to friends and family	9	16
		Neo compared to other systems.	Participants described how other monitoring systems, such as wearable pendants are limited in some instances and the Neo is an great alternative	9	71

Figure S1. Hierarchical map of codes within main themes

