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Category	Code	Quotations
Advantages of the intervention	Visual status indicators	"Wearing the Fitbit made me walk more, even if I was busy. There is a notification that comes when I exercise a lot, and I became very conscious of that. If you walk a little faster than you normally do, the numbers will clearly tell you. I've come to realize how much walking can get you this far." (ID 1)  "Even though the numbers are small, there is a difference. The numbers motivated, supported, and encouraged me. The Fitbit would notify me to do a little more to reach the goal." (ID 2)
	Sense of accomplishment and confidence	"The Fitbit vibrates when I hit 10,000 steps I always knew it was good to walk 10,000 steps a day, but I never knew how much I was walking. But now I could feel it. I thought that I needed to walk more if I hadn't yet walked 10,000 steps, so I would go outside and walk more. I was able to do it because it was fun. I think it was good. When you say, 'You have to exercise,' it seems a little difficult. But now I've come to think, 'Ah! I was able to do more than 10,000 steps today! I should also do it tomorrow!' It was such a pleasurable experience for me." (ID 6) "First of all, I think I have gained confidence that I can do it myself. I thought, 'Oh, I can do it if I make up my mind.' I always thought that I didn't have the time, but now I think I can make time to exercise." (ID 4)
	Emotional engagement and sense of presence	"I liked the snow mountain and the ski resort scenes. Because I lived in the countryside when I was young, so it was pretty similar. The underwater videos also reminded me of the old days, so I felt nostalgic and wanted to watch more of those scenes." (ID 7) "To be honest, the device itself [head-mounted display] was burdensome at first. It has a bit of weight. It felt as if I was trapped in a small space. At first, I felt too much pressure to the point that I had to say I didn't want to do it. But once I watched the VR video, it felt like I was in nature Usually you can't see underwater unless you're scuba diving. Should I say, watching VR videos gives you a sense of stability? Feeling a little free? It was nice to be able to experience it even for a short time in a busy life." (ID 6)

		"It was nice to be able to wear the device, listen to the sounds of nature at home, and operate it myself. Really, I felt like I was there. Watching it [with the head-mounted display] is different from watching it on TV." (ID 1)
	Joy from exercise	"It felt great going outside and walking. It's boring to be at home alone. Especially, once you lock yourself at home, it's hard to get out. I would just end up being on my phone all day. But ever since I started participating in this program, somewhere in my heart, I felt, 'Oh, I need to go out. I must go.' Once I started exercising, it felt very good. So, it would have been nice if this program was a bit longer." (ID 8)
		"It was difficult until it became a habit. However, while walking, my body became lighter. I could feel the nature, and watching different people come and go, I became thankful and thought, 'Ah, there are people like this.' I felt like I wanted to continue [to exercise]." (ID 3)
	External motivation through supervision	"Since I received texts regularly, it felt like I was taken care of. I would always get the reports. It felt like someone was always watching me, so I knew I had to do it right."  (ID 12)
	Easy to control VR device	"Watching VR videos was fine. There was no [difficulty in using VR] at all I watched it 5 minutes minimum and 30 minutes max." (ID 8)  "At first [when learning how to use the device], I was worried because I thought it would
	Extra benefits	be difficult, but it turned not to be hard at all, using it at home." (ID 11) "[Because I'm busy] I usually went for a walk in the evening, so I took my son or
		daughter out. It was nice to have time to talk with my children. For me, talking while walking was better than the walking itself." (ID 12)
		"I usually exercised after 11 o'clock. There weren't that many people out at that time, so I felt a little freer, and it also gave me time to talk while exercising with my daughter. In the past, I would wake up a lot in the middle of the night, but exercising really helped me sleep well." (ID 4)
Areas needing improvement	Discomfort caused by equipment	"Since the Fitbit wristband was made of rubber, it made my skin itch when I sweat." (ID 4, 6, 7)
	Video content diversity	"I think the goggles [Oculus Go] were a little heavy to wear on the head." (ID 6, 10) "There were several videos, so I watched them one by one. It was okay watching it twice, but from the third time on, I wanted to watch something else. The overall mood of the

videos don't have much variety, it's pretty much the same At first, VR videos	leos
were interesting and fun. Later, it became more of a duty." (ID 2)	

"I have a phobia of water, but most of the videos were taken underwater, so there wasn't much for me to watch. There were only two videos I could watch. I saw one of the recommended videos that came out right after the first one ended. I really liked the video of London scenes." (ID 5)

Additional intervention elements

- "At first, I was worried whether I would successfully finish the full 4 weeks. But after trying it, I think 8 weeks will be better, with the fourth week as an interim check. Twelve weeks seems too long." (ID 4)
- "I wished there were phone call sessions where I could talk comfortably, even once every three days. I think talking is good for treating depression. If possible, meeting somewhere like a coffee shop and spending time talking would help a lot [I think it will]. Not just digitally, but in real life. ... If we were to walk together at least once a month, we would be able to exercise consistently. But I would prefer it if it is with people similar to me. There would be no problem if I did it with Japanese people, and since we are from overseas, we would be able to really get along." (ID 1)
- "When you come home and wash your face or take a shower, you take off the Fitbit. There were so many times when the day would just pass by without me having it on, so I think the score hardly went up. Even when I go out in the evening or go to the market, I would have to wear it. But there were so many times that I would forget."

  (ID 7)

Abbreviation: VR, virtual reality.