

Acceptability regarding use of a connected activity tracker: questionnaire derived from 10 interviews of RA and axSpA patients and results

| Questions | Patient's answers (n= 171) |
|---|---|
| 1. You have been wearing a connected watch for 3 months for the study: Do you think the use of this watch is acceptable for you? (consider the use of the watch in all its aspects and the hardship that you might have encountered) | Score of acceptability, Mean (SD): 8.5 (2.5) |
| <div> <div>0</div> <div>_____</div> <div>10</div> </div> <div>Not acceptable at all</div> <div>Totally acceptable</div> | |
| 2. Do you plan to keep wearing the watch after the end of the study? | Most of the time, N (%): 108 (63) |
| <input type="checkbox"/> Yes, all the time or most of the time <input type="checkbox"/> Yes, occasionally <input type="checkbox"/> No | |
| 3. Did you encounter any technical issues to set up the watch and/or the application and to synchronize the watch? | Needed help, N (%): 31 (18) |
| <input type="checkbox"/> No, I did it by myself without any issue <input type="checkbox"/> Yes, it was difficult but I did it by myself <input type="checkbox"/> Yes, I needed help | |
| 4. Did your arthritis pose problem: | Problem to wear the watch, N (%): 8 (5) |
| <input type="checkbox"/> To wear the watch <input type="checkbox"/> To handle the watch or the application <input type="checkbox"/> No, not for this study | |
| 5. Generally, is physical activity an important matter for you? | Yes, N (%): 160 (94) |
| <input type="checkbox"/> No <input type="checkbox"/> Yes | |
| 6. Do you think the use of the watch allowed you to increase your physical activity? | Yes, N (%): 107 (63) |
| <input type="checkbox"/> No <input type="checkbox"/> Yes | |
| 7. Do you think measuring the number of steps generally reflects your daily physical activity? | Yes, N (%): 122 (71) |
| <input type="checkbox"/> No <input type="checkbox"/> Yes | |
| 8. Do you feel the watch-recorded activity didn't match some of your activities? | Physical activity underestimated, N (%): 52 (30) |
| <input type="checkbox"/> No, it generally matched <input type="checkbox"/> Yes, the watch tends to over-estimate my activity <input type="checkbox"/> Yes, the watch tends to under-estimate my activity | |
| 9. In general, do you worry your personal data, when recorded by a connected device, may become public (eg by hacking)? | Yes, N (%): 24 (14) |
| <input type="checkbox"/> No <input type="checkbox"/> Yes | |
| 10. Would you be interested in using a connected device as part of your medical care? | Yes, N (%): 152 (89) |
| <input type="checkbox"/> No <input type="checkbox"/> Yes | |

RA: rheumatoid arthritis, axSpA: axial spondyloarthritis, SD: standard deviation