





Two is a Pair, Three is a Crowd

Reviewing The Three Sides Of XR-Telerehabilitation Adoption

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Product Adoption Curve

Adoption is low:

Less than 5% (Felsberg et al., 2025) Likely even lower for at-home







Early Majority 34% Late Majority 34%







Current literature outlines numerous reasons for low adoption

But:

- Does not consider conflicts between patients and clinicians
- Does not consider the fact that supply is needed

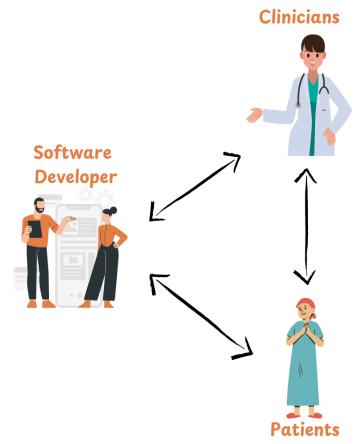






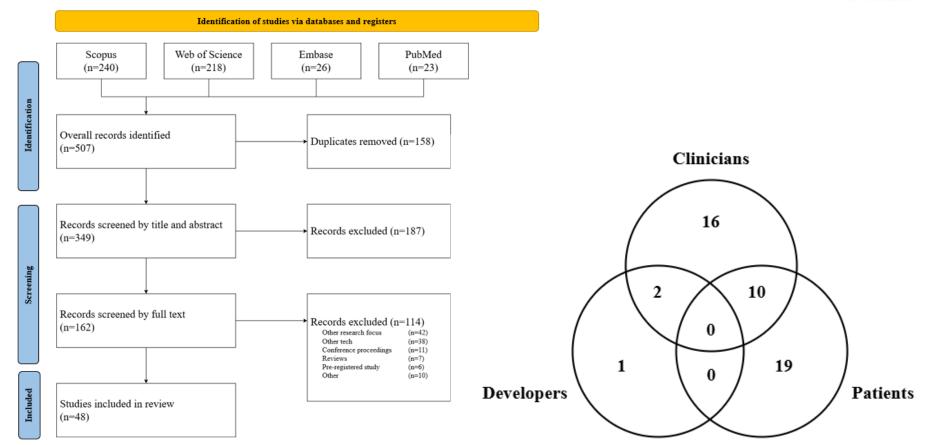


How do the drivers of these actors conflict?



Three is pair, three is a crowd



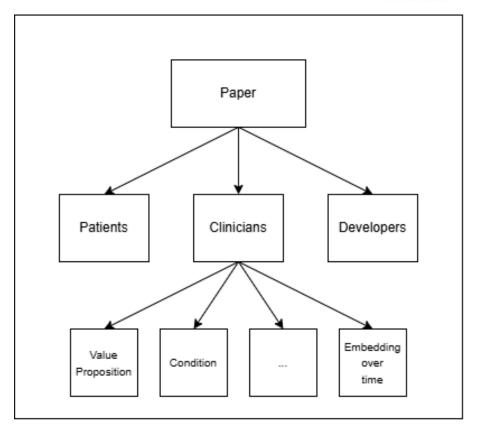






Approach:

- 1. Divided the papers by the actor
- Divided findings across the seven NASSS domains (Greenhalgh et al., 2017)
- Compared the findings per actor to determine conflicts







1. Medical efficacy

- Clinicians consider a wider set of factors
- They have a higher need for medical evidence (13/28 vs. 1/29)
- They prefer seated exercise over standing exercises







2. Clinician's work experience

Patients do not really value it









- 3. Limited ability/willingness to pay hinders developers
 - Developers face high development costs (Bradwell et al., 2023)
 - Both patients and clinicians are limitedly able/willing to pay
 - Clinicians also do not want the patient to pay







Theoretical contribution

New 'multi-actor' perspective on adoption of XR tools:

- New set of adoption barriers
- 2. Can be used by future scholars
 - 1. Investigate developers
 - 2. Validate the barriers we found
 - 3. Find new conflicts
 - 4. Find solutions to the conflicts

Practical contribution

Developers can align products with needs of *both* users

Government can create *better* regulations

Entrepreneurs can develop fitting solutions (e.g. platform or B2C)





THANK YOU

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