Moving towards a better understanding of well-being for children with complex disabilities from using the Innowalk

Pickering DM (PickeringDM@cf.ac.uk; @DawnMPickering), School of Healthcare Studies, Cardiff University, UK.

Introduction
Children with more severe physical disabilities are limited in their ability to participate in physical activities and exercise. It is known that increasing physical activity levels improves well-being across the general population, including children without disabilities. Whether this is so for those children who have mobility limitations and cannot communicate their feelings, is currently unknown. Well-being has different definitions and is especially problematic to measure, for those whose ability to speak is reduced. This research is observing non-ambulant children using the Innowalk, as one context for them to indicate their well-being, to support the development of a new well-being scale (WEBS).

Patient and methods
Ten children aged four to eighteen, with a range of physical and learning disabilities, supported by their parents in a special school context. A consultation group includes two young adults with cerebral palsy. Exploratory case study series made up of observations (field notes), scoring PRIME-O4 and Be well checklist and the new well-being scale, plus parental reported diaries and child/parent interviews. Preliminary constructs being tested in the new proposed well-being scale, based on PhD data and the research advisory group (shown in Figure 2) include calmness, comfort, creativity, energy levels, engagement with other people or activities, expressing joy.

Proposed new well-being scale: Figure 2

Results
Data is still being analysed using Braun and Clark’s six stages of analysis. Figure 3 highlights some quotes. In addition to academic papers, funding is being sought for an accessible booklet to be produced for the participants: ‘My well-being stories about the Innowalk’.

Conclusion
The observational well-being scale being developed will potentially enable the content validity to be evaluated in a future larger study, to test out the psychometric properties of this proposed well-being scale (WEBS) in wider contexts.

References: