



School of
Healthcare Sciences

Ysgol y Gwyddorau
Gofal Iechyd

Co-production

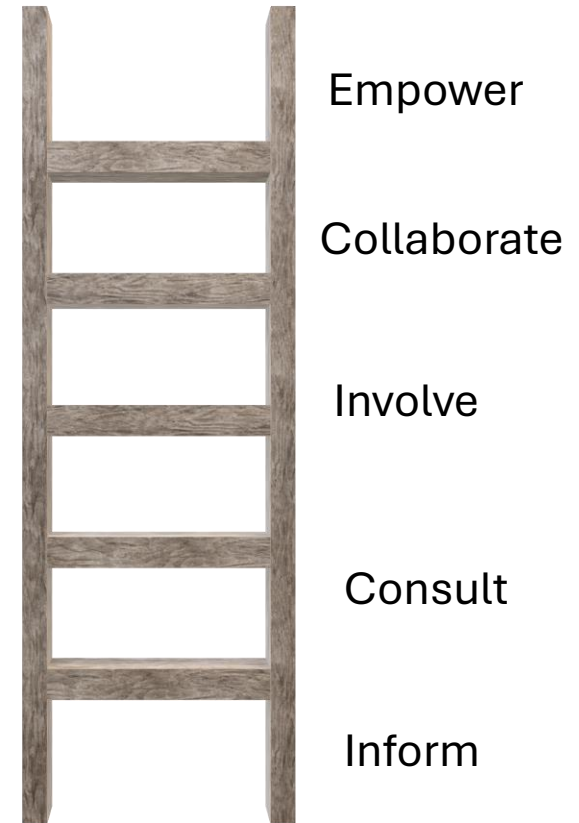
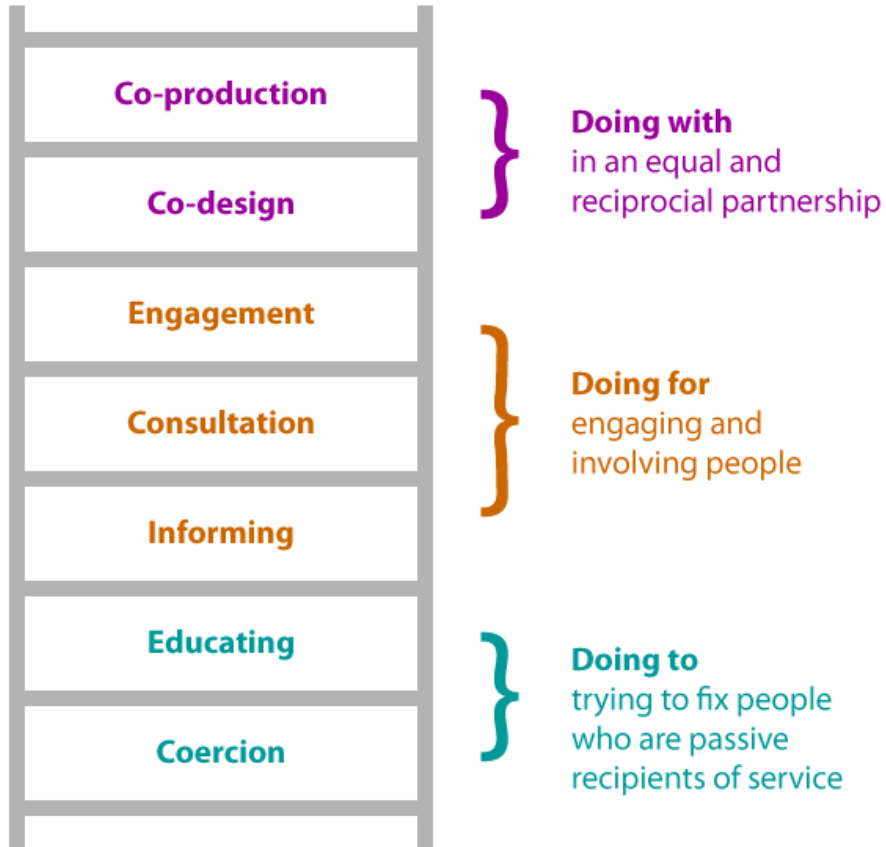
Dr Dawn Pickering,

Reader in Childhood Disability

School of Healthcare Sciences,

Cardiff University Co-production 24th July 2024

What is co-production?



Vargas, C., Whelan, J., Brimblecombe, J. and Allender, S., 2022.
Co-creation, co-design, co-production for public health: a perspective on definition and distinctions.
Public Health Research & Practice, 32(2).

Context of my research



- [Innowalk \(madeformovement.com\)](https://www.madeformovement.com)
- Innowalk Pro is a robotic device which provides movement for those unable to move on their own

Well-being

Based upon my Doctoral work the construct of well-being is poorly understood for children with complex disabilities

Research question and aims

- **Research question:**

- How can the well-being of children and young people with complex disabilities be better understood, from using the Innowalk?

- **Aims of the study:**

- 1. To pilot, by observations, develop and test an observational scale that enables well-being indicators to be recorded with children and young people with complex disabilities.
- 2. To obtain child and parental opinions by written diary records and an interview related to well-being, following them using the Innowalk.

Co-production- starting out- mapping your stakeholders (before ethical approval and grant application)

- Building your team of co-producers
 - Who are the stakeholders that will be interested in your research findings ?

My stakeholders were:

Non ambulant and non-verbal children and young people (CYP) and adults;

Carers and parents;

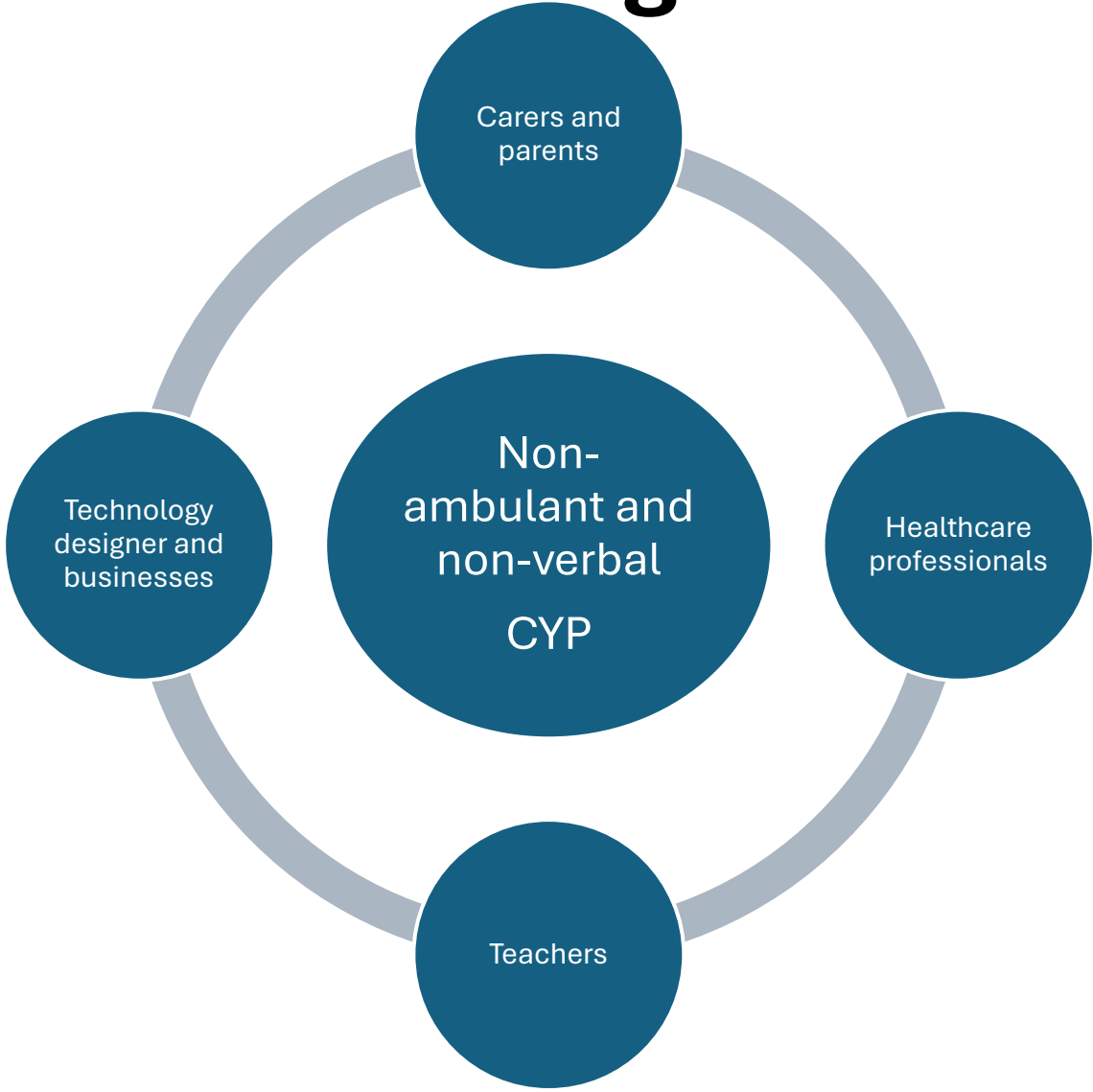
Healthcare professionals;

Teachers;

Technology designers

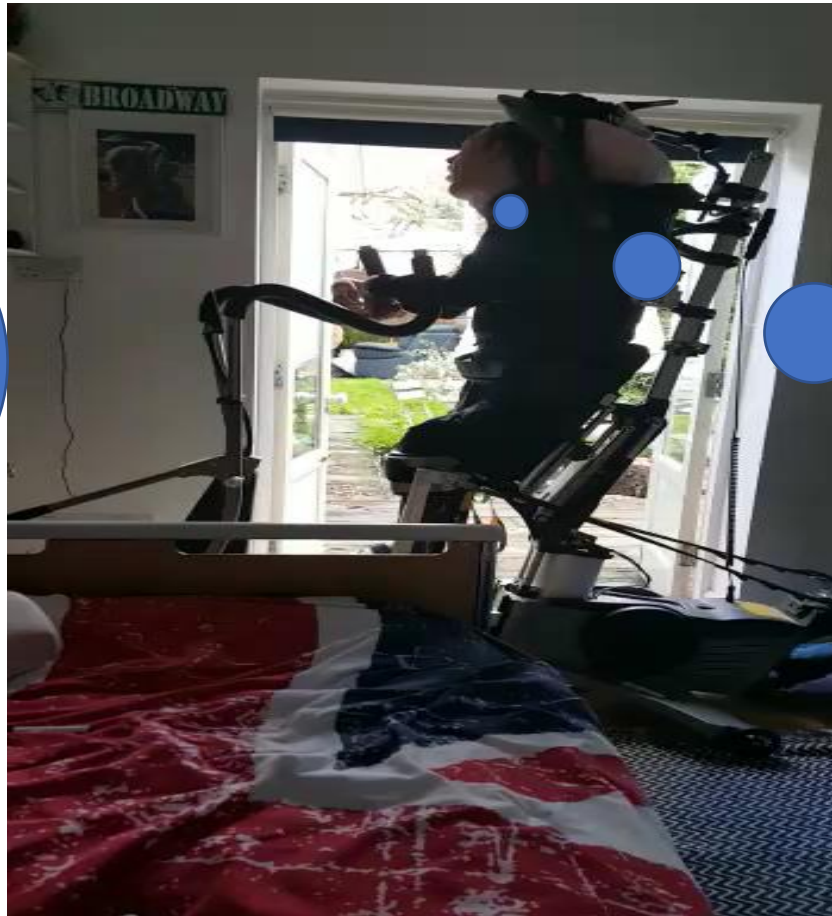
Businesses – manufacturers of disability equipment

Stakeholders- Informing me



Consultation-Innowalk user-Joe-lived experience

Email: I've been doing an hour each time and am going faster now. Yes fine to use my video



I was away for a week and my PA noticed that without the Innowalk, I had more spasms. So, it really helps my body to feel more relaxed.

Development of the research protocol- Involvement

- Explored ideas with an adult with Cerebral palsy and an 8 year old via Microsoft Teams.
- Discussed aspects of well-being and the Innowalk- used pictures of animals with the 8 year old to describe comfort, calmness, energy, and joy.
- Ethical application submitted on the back of this Patient and Public Involvement (HCARE have their own PPI group –led by Dr Katy Hamana).

Funding applications- Collaboration

- 2021-2022- 5 applications submitted- successful with a 1-year bursary from a clinical interest group, Association of Paediatric Chartered Physiotherapists.
- Data collection in a special school – gatekeepers were healthcare professionals, who passed on research details to parents.
- Guest in school for 14 field observational visits- new well-being scale tested.

Analysis- Involve and collaborate

- Researcher led
- Need for statistics help with well-being measure- Dr Nicola Gale
- Individual results sent to each child and family with comments invited.

Pause and reflect about how to **Empower disabled children**

- More funding applied for to create “My Adventures in the Innowalk” story booklet- to use the participants own words.
- Revised ethical application.
- Baily Thomas Charitable Fund research award 2023- 24- 6 months- to employ an illustrator- Alison Howard.

“My adventures in the Innowalk”

Accessible research output-
Book launch 30th July 2024

Audio recording of story book

Await the children's feedback

“It is an outstanding societal contribution concept of the book, to focus on the aspirational and quality outcomes of the Innowalk Pro, from the view of the child or young person”.

Stephen Kilpatrick, Head of UK, Made for Movement (manufacturers of the Innowalk based in Norway)



Contact details



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