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Future Health Today: Developing a technology platform using a co-design methodology

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Parallel Session 2D, Grand Ballroom 6, November 20, 2019, 11:00 - 12:30

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Authors (Arial, size 10 font. Surname, Initial. Presenting author to be in bold and italics. Affiliations numbered in superscript. Centered) e.g.
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Oral and poster abstract text (Arial, size 10 font, left aligned, maximum 250 words)

Background
General practice has a key role in the timely diagnosis and optimal management of chronic disease to reduce the development of complications and improve quality of life. The use of technology to facilitate audit, recall and clinical decision support, has the capacity to optimise these functions.

Objectives
To develop a technology platform (Future Health Today) to streamline and optimise the diagnosis and management of chronic disease using co-design methodology, with an initial focus on chronic kidney disease (CKD).

Method
Co-design adopts an inclusive approach that promotes implementation. Six co-design sessions were conducted in February-March 2019 with general practitioners (GPs), practice nurses (PNs), and practice managers (PMs) to design the technology platform with a focus on audit, recall and point-of-care clinical decision support. Three sessions were face-to-face; three were conducted via video-conference for rural participants.

Results
Seventeen participants (8 GPs, 5 PN, 4 PMs) attended the sessions. Key requirements identified and/or designed by participants included: 1)Automated patient recall; 2)Ability to track number of patients at risk of CKD; 3)The ability to focus on conditions relevant to individual practice profiles; 4)Relevant patient pathology results displayed in graphical format to facilitate review; 5)Easy access to relevant guidelines; 6)Incorporation of quality improvement cycles. Elements were designed to fit into the practice workflow.

Conclusions

The use of co-design methodology has facilitated the development of Future Health Today, a user focused technology platform. The platform will be piloted in two general practices with a view to optimising it prior to evaluation in a cluster randomised controlled trial.