Study Title: Exploring perspectives,priorities and solutions of urine collection: A qualitative user centric study to understand practices and gain feedback from healthcare professionals and parents/carers
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PARTICIPANT INFORMATION SHEET

Central University Research Ethics Committee (CUREC) Approval Reference:

Exploring perspectives, priorities, and solutions of urine collection: A qualitative user centric study to understand practices and gain feedback on from healthcare professionals and parents/carers

Researchers from the Department of Engineering Science and Nuffield Department of Primary Care Health Science would like to invite you to take part in our research study. Before you decide it is important for you to understand why the research is being done and what it will involve. Please take time to read the following information carefully. If you have any questions, please ask any member of the team.

What is the purpose of the study?

Collecting a urine sample is a common procedure used to diagnose and monitor urine tract infections (UTI). However, collection of urine samples in non-toilet trained infants and toddlers is challenging, lengthy and urine samples have relatively high contamination rates.

The purpose of this study is to explore the processes and knowledge around urine collection and the challenges and benefits of the different methods used when collecting urine in infants and toddlers used in different hospitals around the UK and gain feedback on solutions. Novel technology could be part of the solution to offering improved urine sample quality, but in order to design, develop or improve outcomes which are fit for purpose, we would like to learn from the relevant stakeholders and have their input into possible solutions.

Why have I been invited?

This study aims to gather the experience and thoughts of users and stakeholders of urine collection devices. It consists of two parts: interviews and a co-design workshop. These are two different events; therefore, they will be organised separately. Broadly, we would like to know:

Part 1: Interviews

- Your opinion on the devices and methods already available, understanding challenges and opportunities
- What could be improved

Part 2: Co-design workshop

- Feedback, discussion and brainstorming of possible solutions

We are aiming to reflect the different opinions from a diverse range of specialists and hospitals.

Inclusion/Exclusion Criteria

Interviews

Healthcare Professionals:

Consenting adults with experience working in urine collection, whether direct or indirect (perform, assist, manage, purchase, order), in a hospital setting.

Parents/Carers:

Consenting adults with experience of the process of a urine collection, successfully or not, in an infant who is not toilet trained.

The adults taking part in the interviews, both healthcare professionals and parents/carers, must be able to take part in an interview conducted in English and consent to the interview being recorded. Participants must between 18 and 70 years.

Co-design workshop:

Healthcare professionals, parents/careers, engineers, designers, industry experts with interest in urine collection solutions in infants.

Do I have to take part?

No. Participation is completely voluntarily. You can withdraw from the study at any point without giving a reason without negative consequences.

Although we would like for you to participate in both parts, you can take part in both or either of the sessions, i.e. you do not need to take part in the interviews to be able to attend the workshop or vice versa.

What will happen if I decide to take part?

If you decide to take part, please let us know using the contact details listed

Interviews:

- The researcher will be in touch via email or telephone to arrange an interview
- The researcher will ask for your consent to being involved in the study before the interview starts. If you are interviewed by telephone or online, an oral record of consent will be taken
- The researcher will carry out the interview about your experience and perception of urine collection in infants and toddlers
    - You will have a choice about when this will happen. Due to Covid restrictions we would prefer to do the interview online or by phone
    - The interview will be audio recorded and transcribed (written out)
    - The interview will take between 40-60 minutes

Co-design Workshop

- Interest in taking part on the workshop can be expressed by filling a register form online
- An invitation to join the workshop will be sent to you via email.
- If you agree to join this workshop, consent will be sought.
- No video or audio recording will be stored.
- The event will last approximately 3h.

Are there any benefits in taking part?

By taking part in this study, you will be able to discuss your experience of urine collection with others, and have an input into the understanding of current challenges in urine collection and have input into the design of better solutions. Many people find that giving

feedback on their experience is a positive experience. You will also have the opportunity to influence solutions. Your input might benefit other children in the future.

What are the possible disadvantages of taking part?
By taking part in this study, you will be giving up some of your time.

What information will be collected and why is the collection of this information relevant for achieving the research objectives?
The information you provide during the study is the research data. Any research data from which you can be identified (name, age, work setting, the original audio recording, and its transcription) is known as personal data.

Personal data will be stored on a password protected computer in the Engineering Science Department at the University of Oxford. Contact information (e.g. name, telephone number) will be stored only for the length of time needed to conduct study activities.

Audio-recordings will be kept confidential and will be analysed and transcribed by researchers or approved University transcribers. Personal data and audio recordings will be destroyed once the study is completed, and information has been published.

Data relating to individual participants (years of experience and workplace setting) will be labelled with an identifier. The identifier key will be stored separately and securely on a password-protected computer only accessible to researchers from the University of Oxford. This will not include the participant's name or contact details. This will be stored for at least 3 years following the publication or public release of the work.

Other research data (including consent forms and transcripts) will be stored for at least 3 years after publication or public release of the work of the research.

We would like your permission to use direct quotes anonymously in any research outputs.

We would like your permission to use de-identified data in future studies, and to share data with other researchers (e.g. in online databases). All personal information that could identify you will be removed or changed before information is shared with other researchers or results are made public.

Will the research be published? Could I be identified from any publications or other research outputs?
Study will be published and presented externally ("see what will happen to results of this study?"). All information will be anonymised. Personal information that could identify individual participants will be removed or clustered preventing individual identification.

Data Protection
The University of Oxford is the data controller with respect to your personal data, and as such will determine how your personal data is used in the study. The University will process your personal data for the purpose of the research outlined above. Research is a task that is performed in the public interest. Further information about your rights with respect to your personal data is available at https://compliance.admin.ox.ac.uk/individual-rights.

What will happen to the results of this study?
Findings from this study will be submitted for publication in scientific journals, reports, presentations, and scientific conference papers. It may also be shared in websites, newsletters or social media of the University, partners and collaborators.

Who is organising and funding the study?
This study is part of a research project funded by EPSRC Impact Acceleration Fund from the University of Oxford.

Who has reviewed the study?
This study has been reviewed by, and received ethics clearance through, a subcommittee of the University of Oxford Central University Research Ethics Committee (Reference number:).

Who should I contact if I have concerns?If you have any concerns about any aspect of this study, please contact Dr. Jeroen Bergmann (Jeroen.bergmann@eng.ox.ac.uk) or Dr. Monica Armengol (monica.armengol@eng.ox.ac.uk). We will do our best to answer your queries. We will acknowledge your concern within 10 working days and give you an indication of how it will be dealt with. If you remain unhappy or wish to make a formal complaint, please contact the Chair of the Medical Sciences Interdivisional Research Ethics Committee at the University of Oxford who will seek to resolve the matter as soon as possible: Email: ethics@medsci.ox.ac.uk; Address: Research Services, University of Oxford, Boundary Brook House, Churchill Drive, Headington, Oxford OX3 7GB

Further Information and Contact Details
If you would like futher information, or you wish to discuss the research with us beforehand (or have any questions afterwards) please contact:

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