

## Background

With increased pressure on clinical pharmacy services there is a demand for reliable screening tools to appropriately allocate pharmaceutical care to those patients with most urgent and or complex needs.<sup>1</sup> Several such tools have been developed; however, they are often locally developed with a lack of agreement on their components. To date, no broad agreement exists on the valid components of pharmaceutical care complexity screening tool in the adult hospital setting.

## Aim

To systematically develop, using consensus methodology, a pharmaceutical care complexity screening tool for use by pharmacy ward services.

## Methodology

### ❖ A multistage development process:

- An online survey was distributed to chief pharmacists of all UK acute hospital trusts to identify existing prioritisation and/or complexity tools and processes (Figure 1).
- Respondents from hospitals that reported using a tool were invited to participate in a semi-structured interview to discuss the development and application of their tool. They were also asked to share copies of relevant documentation.
- A systematic review was carried out to identify existing patient prioritisation tools in hospital settings worldwide.<sup>2</sup>
- Two Delphi studies were used to gain consensus as to the content and use of a pharmaceutical care complexity tool.

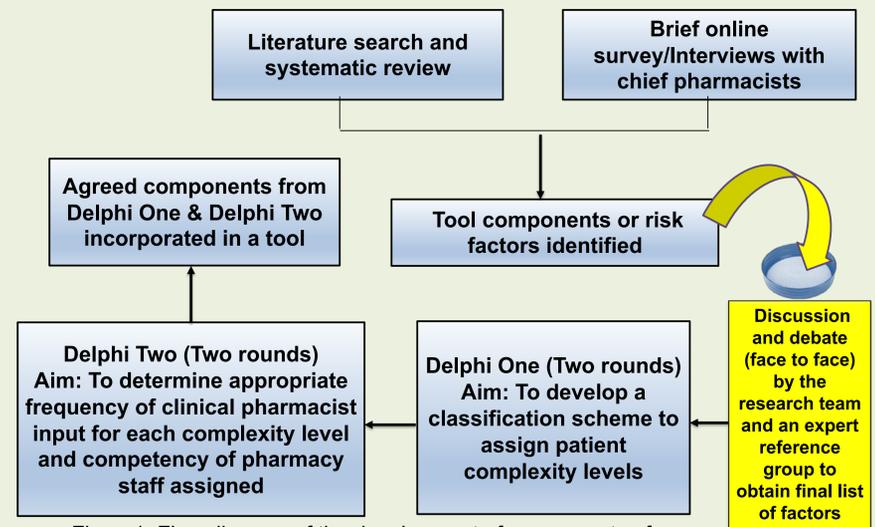


Figure 1: Flow diagram of the development of components of a pharmaceutical care complexity screening tool

## Results

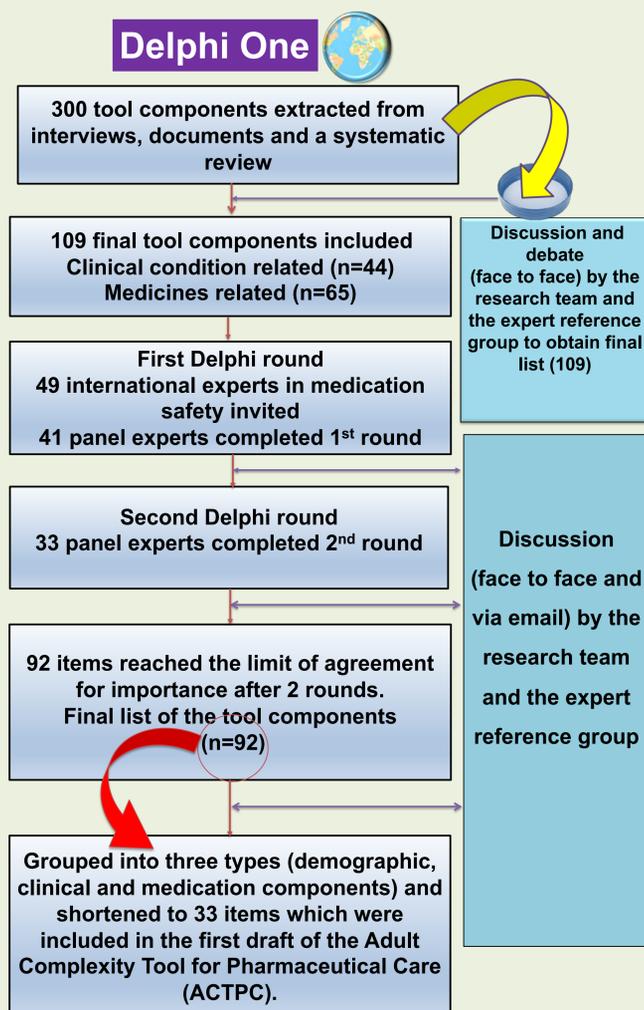


Figure 2: Overview of Delphi One : gaining consensus on tool components

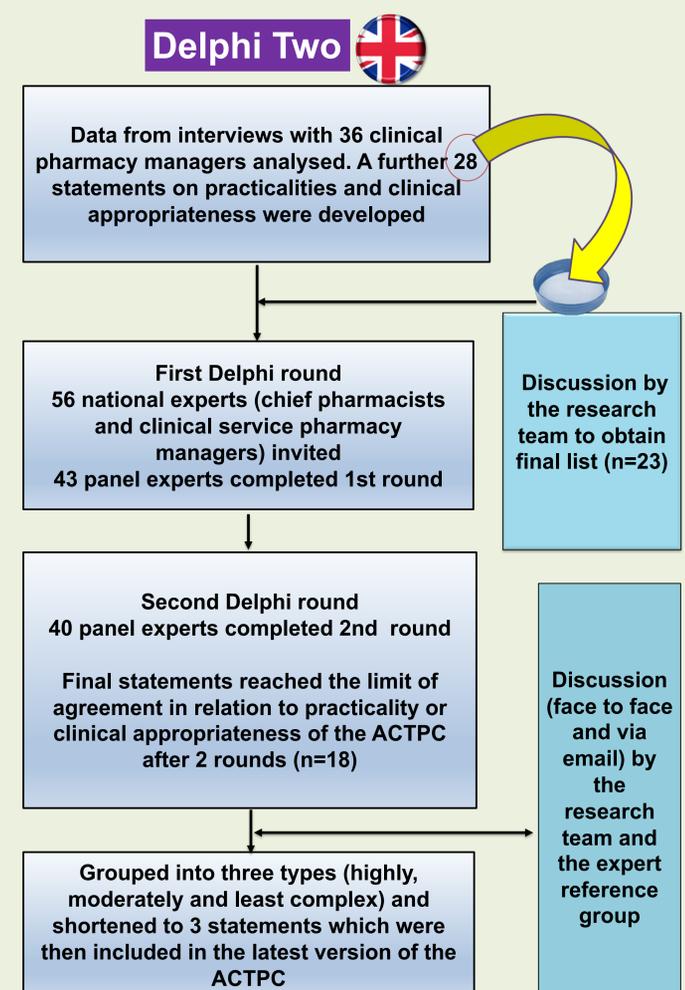
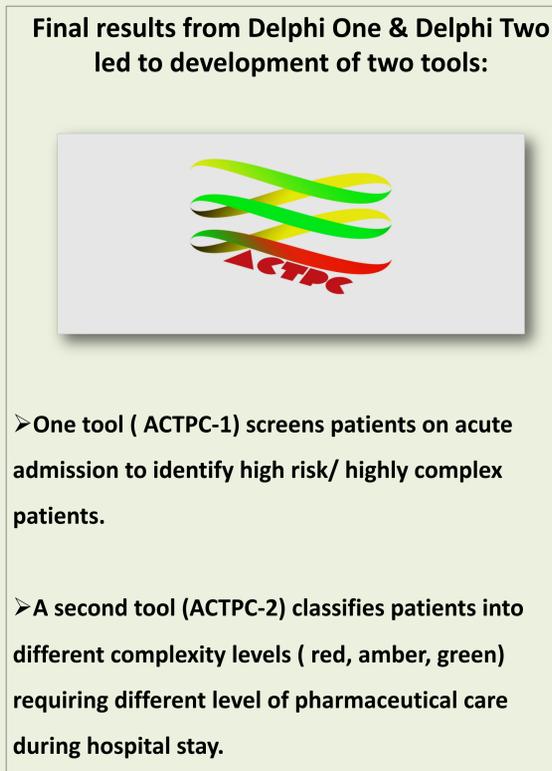


Figure 3: Overview of Delphi Two: gaining consensus on practicality and clinical appropriateness

## Conclusion(s)

- This study has developed a comprehensive pharmaceutical care complexity screening tool containing 33 agreed components based on robustly collected data with input from national and international experts.
- Future work will test the feasibility of the ACTPC in clinical practice across three hospitals in the UK prior to a large cluster randomised controlled trial.
- It is hoped that the ACTPC can improve patient safety and assist in workforce planning and resource utilisation by ensuring that the right pharmacists see the right patients at the right time.

## References

1. National Health Service England. Transformation of Seven Day Clinical Pharmacy Services in Acute Hospitals.; 2016. <https://www.england.nhs.uk/wp-content/uploads/2016/09/7ds-clinical-pharmacy-acute-hosp.pdf>. Accessed January 11, 2018.
2. Alshakrah M, Steinke D, Lewis P. Patient prioritization for pharmaceutical care in hospital: A systematic review of assessment tools. Research in Social and Administrative Pharmacy. 2018. Available from, DOI: [10.1016/j.sapharm.2018.09.009](https://doi.org/10.1016/j.sapharm.2018.09.009)

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