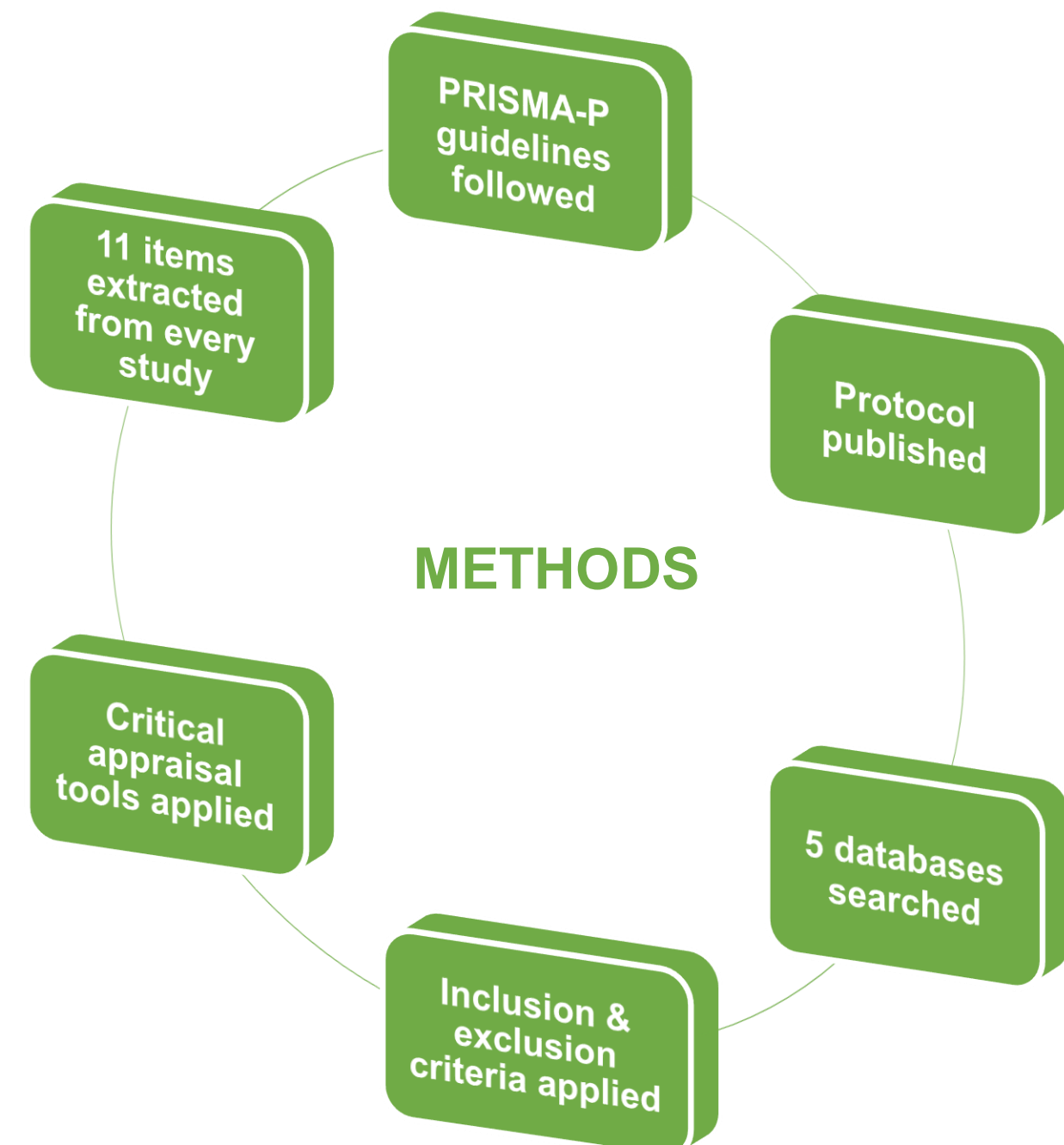


Background: Electronic Health (eHealth) is defined by the World Health Organization (WHO) as “the use of Information and Communication Technology (ICT) for health”. Kingdom of Saudi Arabia (KSA) is a country with one of the largest land masses and populations in the Middle East. Its difficult geographical terrain made the accessibility of advanced health services especially for people in rural areas one of the main health challenges. Therefore, eHealth was suggested as an innovative solution. Health Services across the country are accessible from three categories of provider; Ministry of Health (MOH) facilities, Government run Health Authority facilities, and the Private Health Sector. This study aims to explore health managers' intention to accept/use eHealth services in KSA.

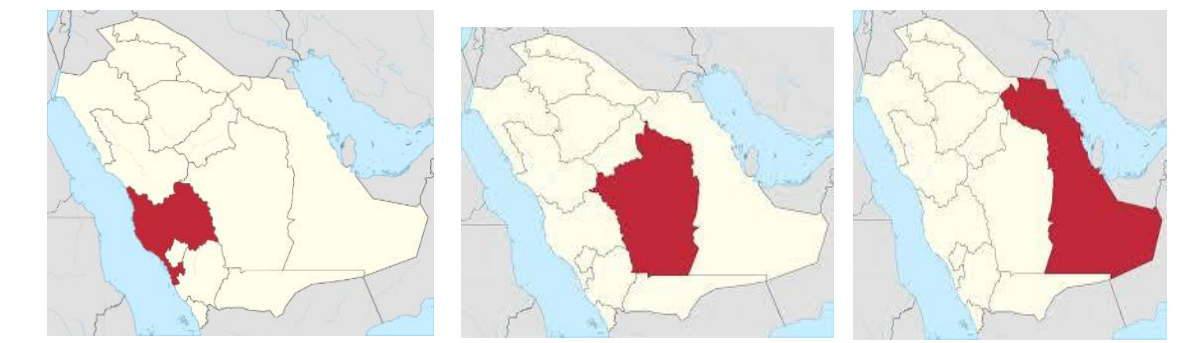
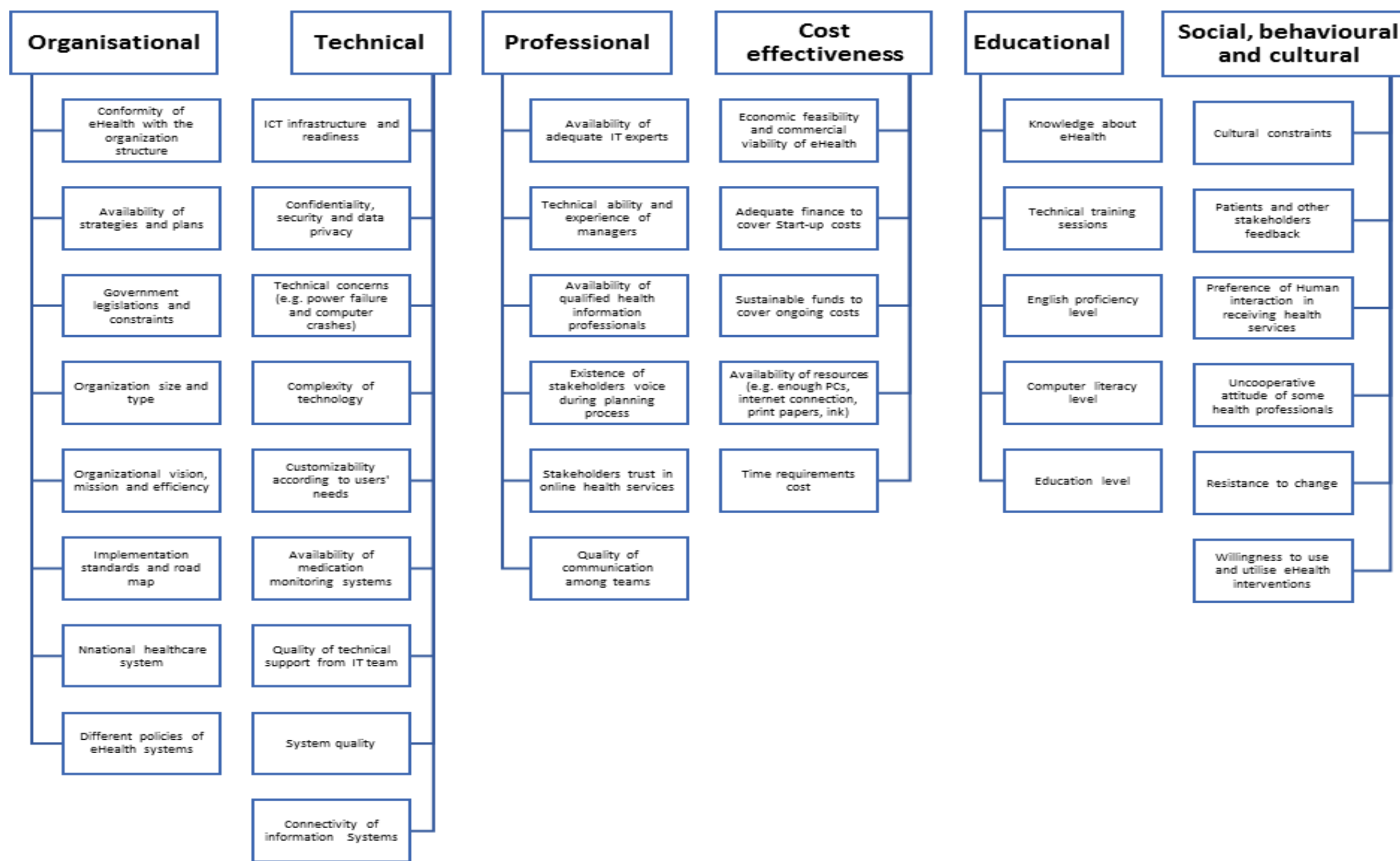
1st phase
Systematic review (SR)

Overall aim: To critically appraise, synthesise and present the available evidence on the status of eHealth adoption, acceptance, facilitators and barriers in KSA from perspectives of multiple stakeholders

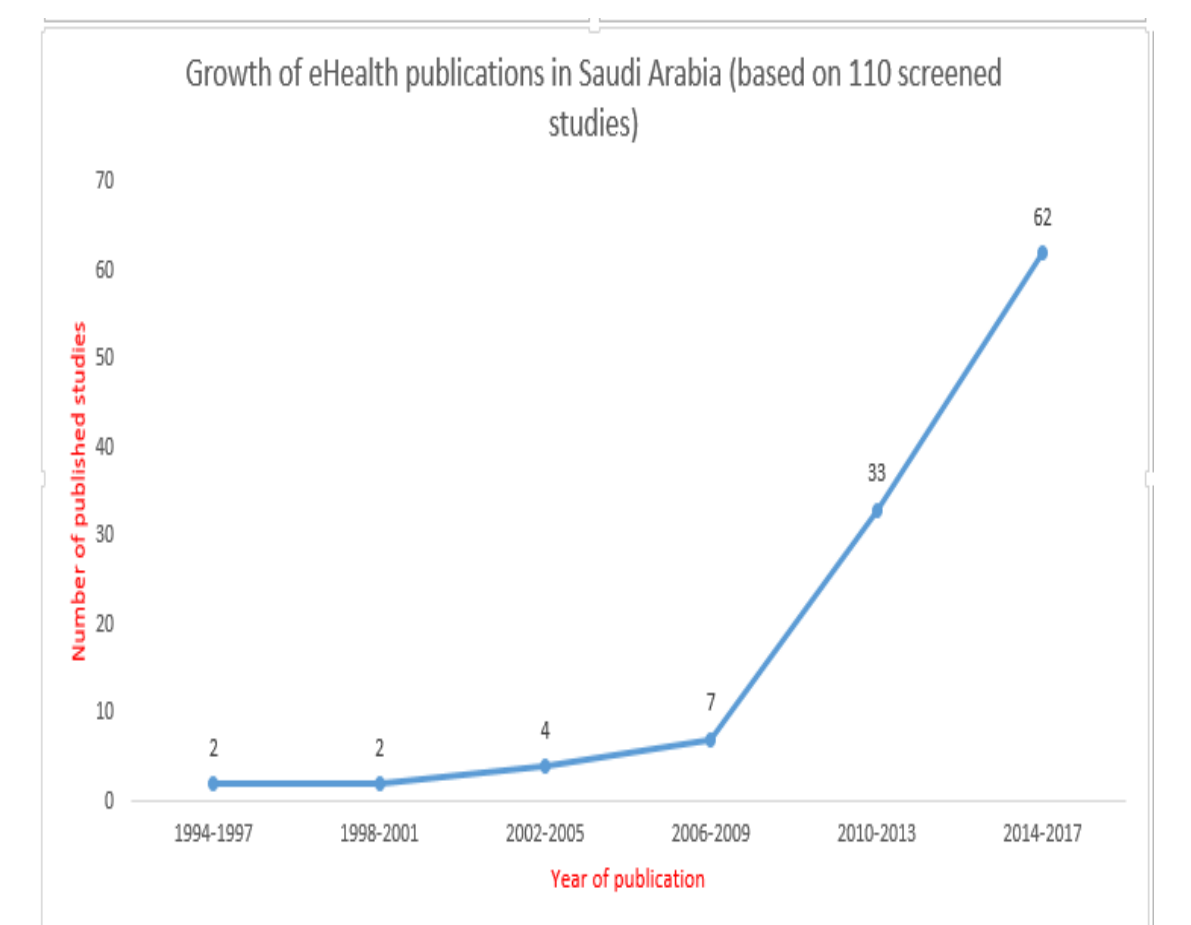


Results

1. Thirty-nine factors identified



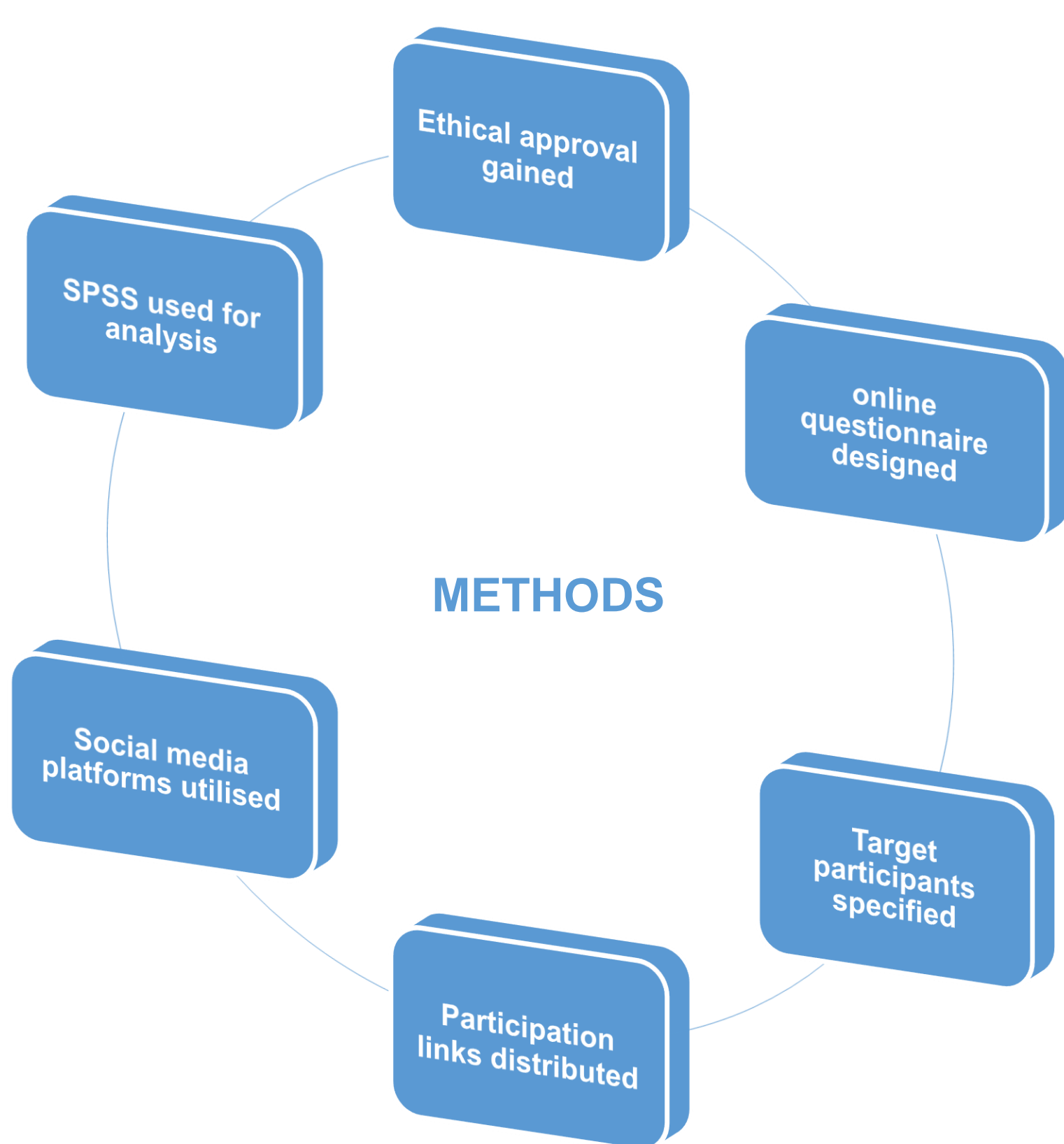
2. Research limited to few geographical areas



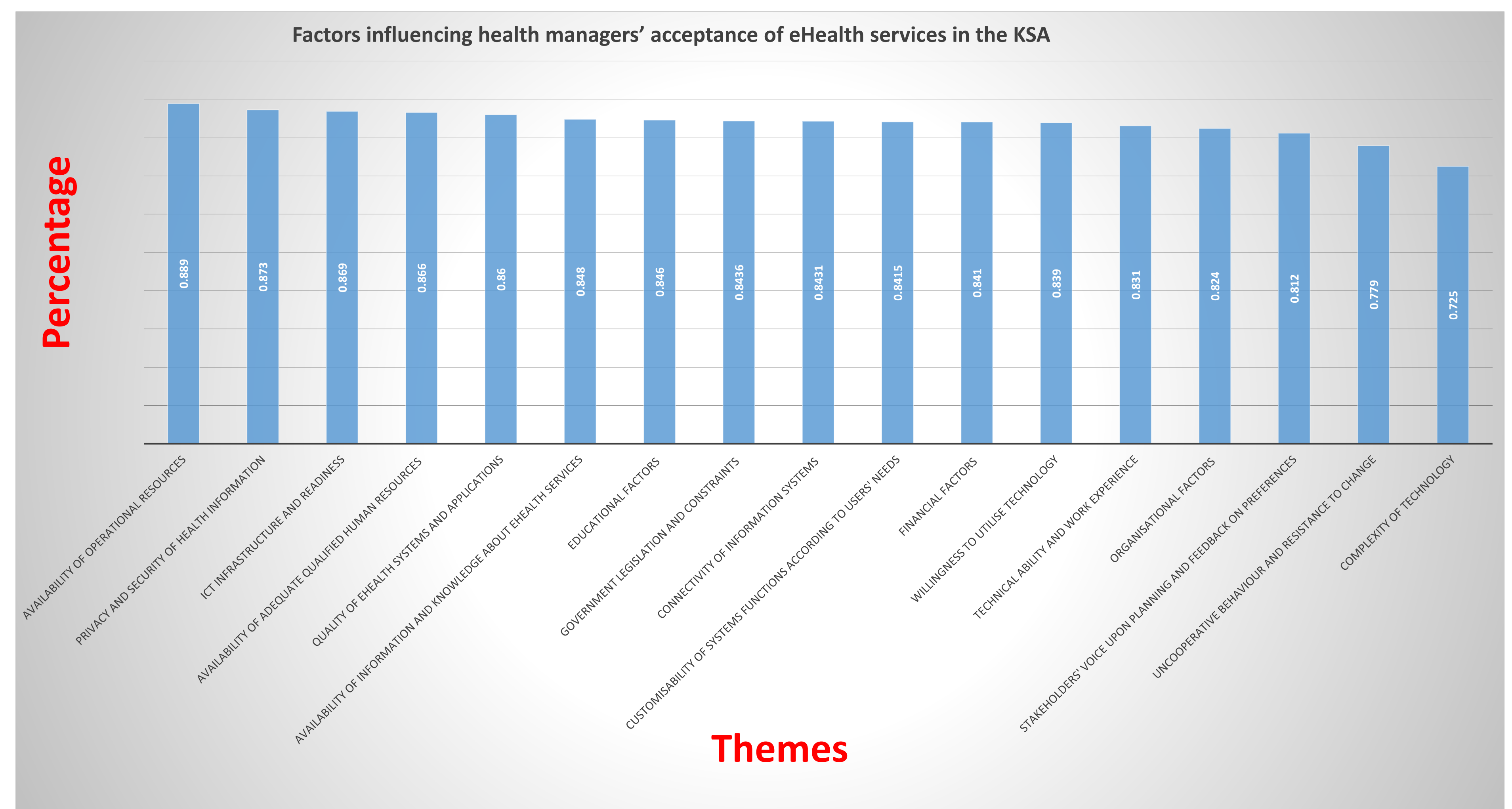
3. Evidence of continual growth in eHealth publications

2nd phase
Quantitative survey

Overall aim: To investigate factors that influence health managers' acceptance of eHealth services in KSA



Results



Conclusion

- ✓ Findings have drawn a clearer picture of eHealth acceptance key challenges from the perspective of health managers
- ✓ Research may extend to cover the experience of eHealth acceptance in different geographical settings across the country
- ✓ Research may extend to cover the experience of eHealth acceptance from the perspectives of different groups of professionals

Acknowledgment:

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Conflict of Interest:

The authors declare that there is no potential conflict of interest in respect to this study.

Published output:

- 1) Alshahrani A, Stewart D, MacLure K. A systematic review of the adoption and acceptance of eHealth in Saudi Arabia: Views of multiple stakeholders. International journal of medical informatics. 2019 Aug;128:7-17.
- 2) Alshahrani A, Stewart D, and MacLure K. Factors influencing health managers acceptance of eHealth services in Saudi Arabia. Journal of computer methods and programs in biomedicine 2019; Vol (171), pp 1-13
- 3) Abdullah Alshahrani, Katie MacLure, Derek Stewart. Status of eHealth research in Saudi Arabia: a systematic review protocol. PROSPERO 2017 CRD42017065009 Available from: http://www.crd.york.ac.uk/PROSPERO/display_record.php?ID=CRD42017065009.

Papers under review:

Investigating health managers' perspectives of factors influencing their acceptance of eHealth services in the Kingdom of Saudi Arabia: A quantitative study.