

شکل ۱. اعتبارسنجی داده



Creating a Fundamental Data Set for Infertility: The First Milestone in Building an Infertility Registry

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Introduction

Decision making in healthcare settings depends on data and information. A minimum data set is a standard assessment instrument used for data collection. The objective of the current study was to create a minimum data set for infertility as the basis of an infertility registry in Iran.

Method

After conducting a systematic review, 2501 records and 17 patient forms from infertility centers were extracted. Ten articles were determined to be related, leading to the extraction of 232 data elements. The classification of these data elements was determined by three experts. Validation was performed in two rounds using the Delphi technique, and the accessibility of the data elements was evaluated in a focus group discussion.

Result

Ultimately, 146 data elements were selected as the minimum data set. This proposed minimum data set aims to provide the basis for the standardization of infertility treatments.

Conclusion

The synchronization of different minimum data sets is necessary for sharing data between infertility registries, facilitating improved decision-making in healthcare.

Keywords: Assisted reproductive techniques, Common data elements, Registries, Infertility.



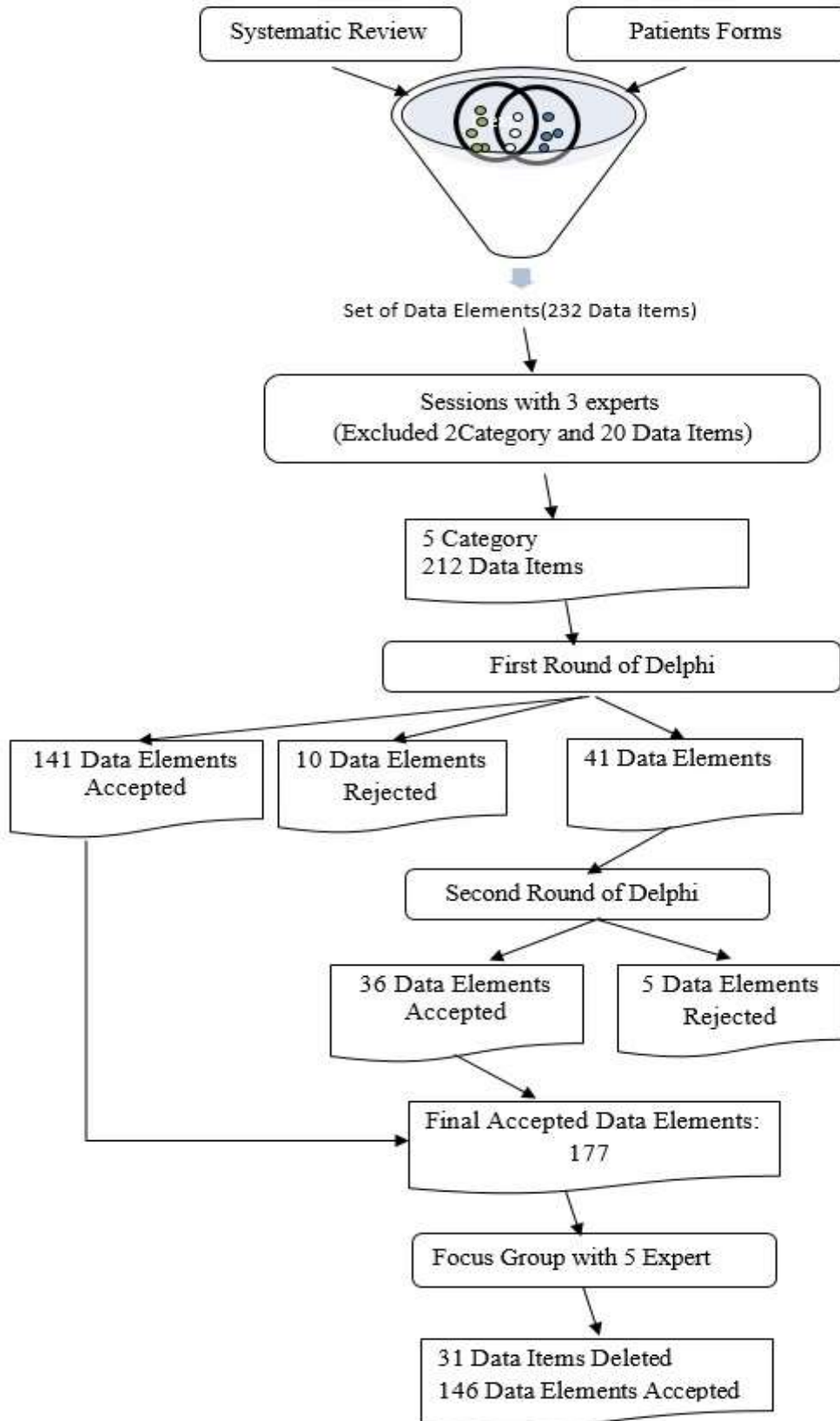


Fig 1. Data Validation Flowchart



References

1. N-Sc037 Ivf/Icsi. edited by APPLICATION FOR PRIOR APPROVAL FOR FUNDING. England: National Health Service, 2016.
2. Ahmadi, M., A. Mohammadi, R. Chraghbaigi, T. Fathi, and M. Shojaee Baghini. "Developing a Minimum Data Set of the Information Management System for Orthopedic Injuries in Iran." [In eng]. Iran Red Crescent Med J 16, no. 7 (Jul 2014): e17020.
3. Speech of Deputy of Research and Technology, Ministry of Health and Medical Education at the Opening of Reproduction Congress. 2015.