

Introduction

Transfusion medicine is focused on the safe and effective use of blood and blood components. Incomplete forms can lead to delays, errors, and compromised patient care. Therefore, a quality improvement study to ensure completeness and accuracy of blood request was carried out in our blood centre.

Objectives

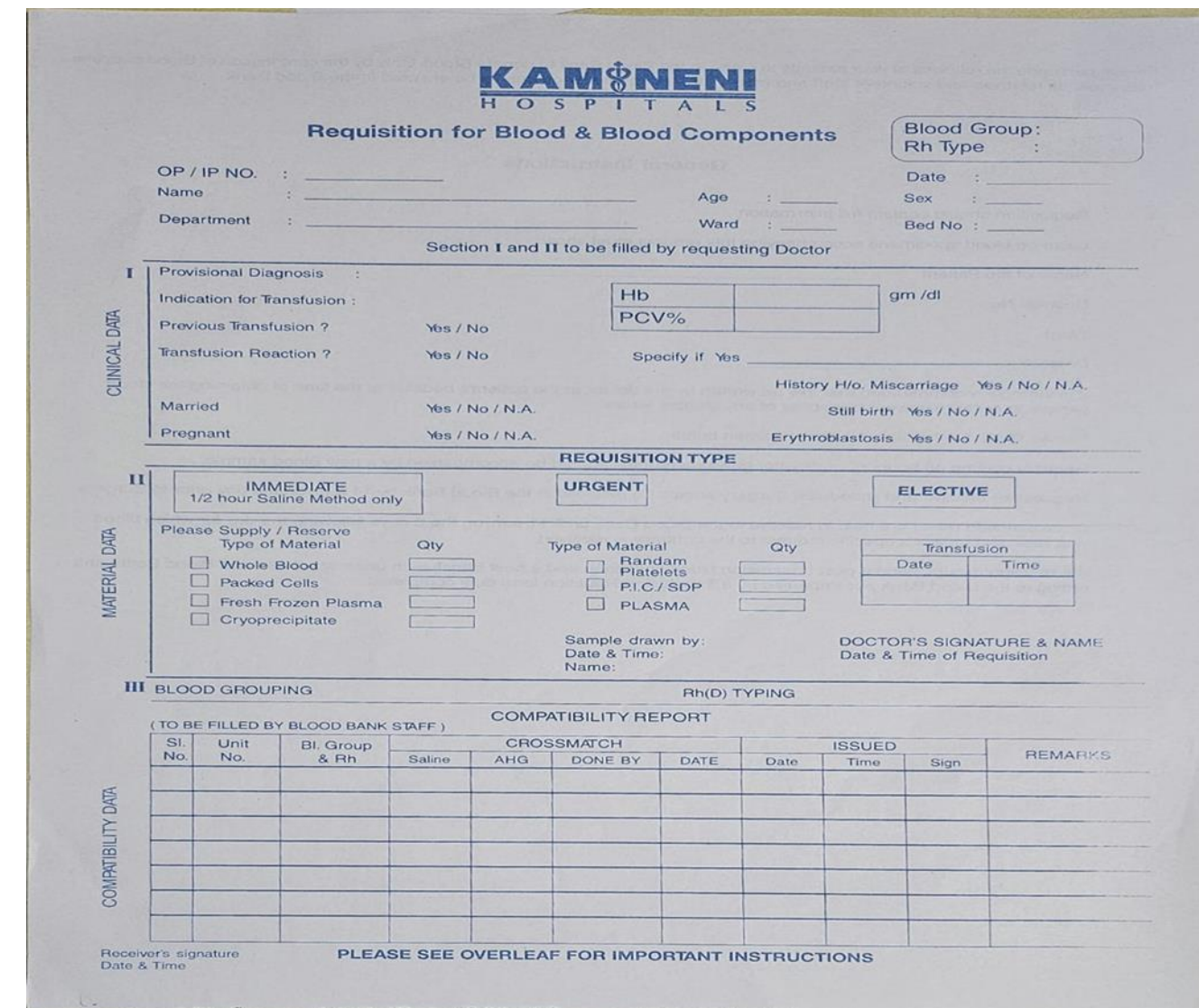
To evaluate the blood request forms and identify areas for improvement to enhance patient safety, reduce errors, and optimize blood transfusion practices.

Materials and Methods

Blood request form is divided into 4 sections

- Section 1 patient demographic details
- Section 2 clinical details and lab parameters
- Section 3 component requirement
- Section 4 crossmatch and issue details

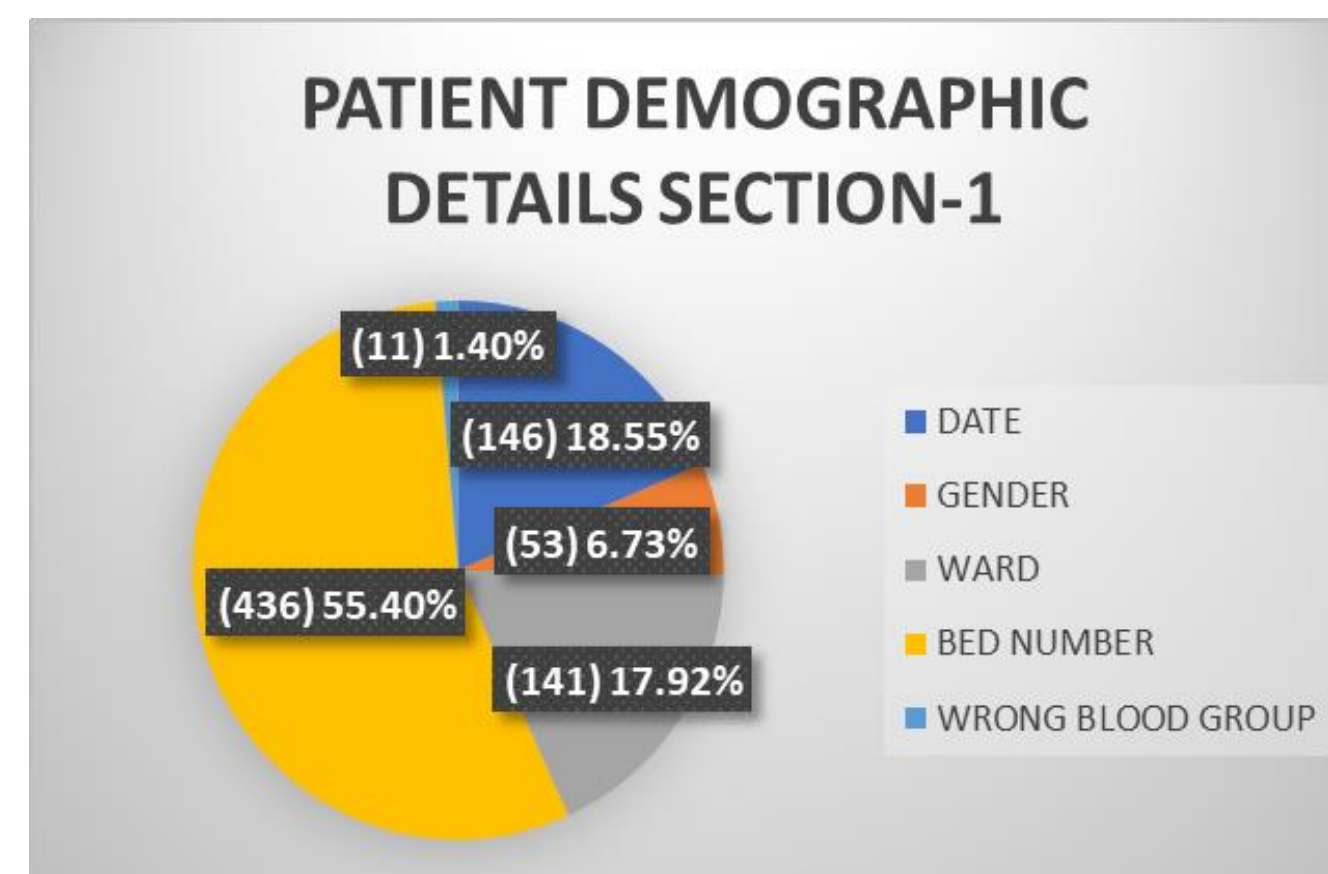
A Prospective observational study was conducted at our blood centre from January to June 2024 during which each request form was evaluated for completeness and accuracy.



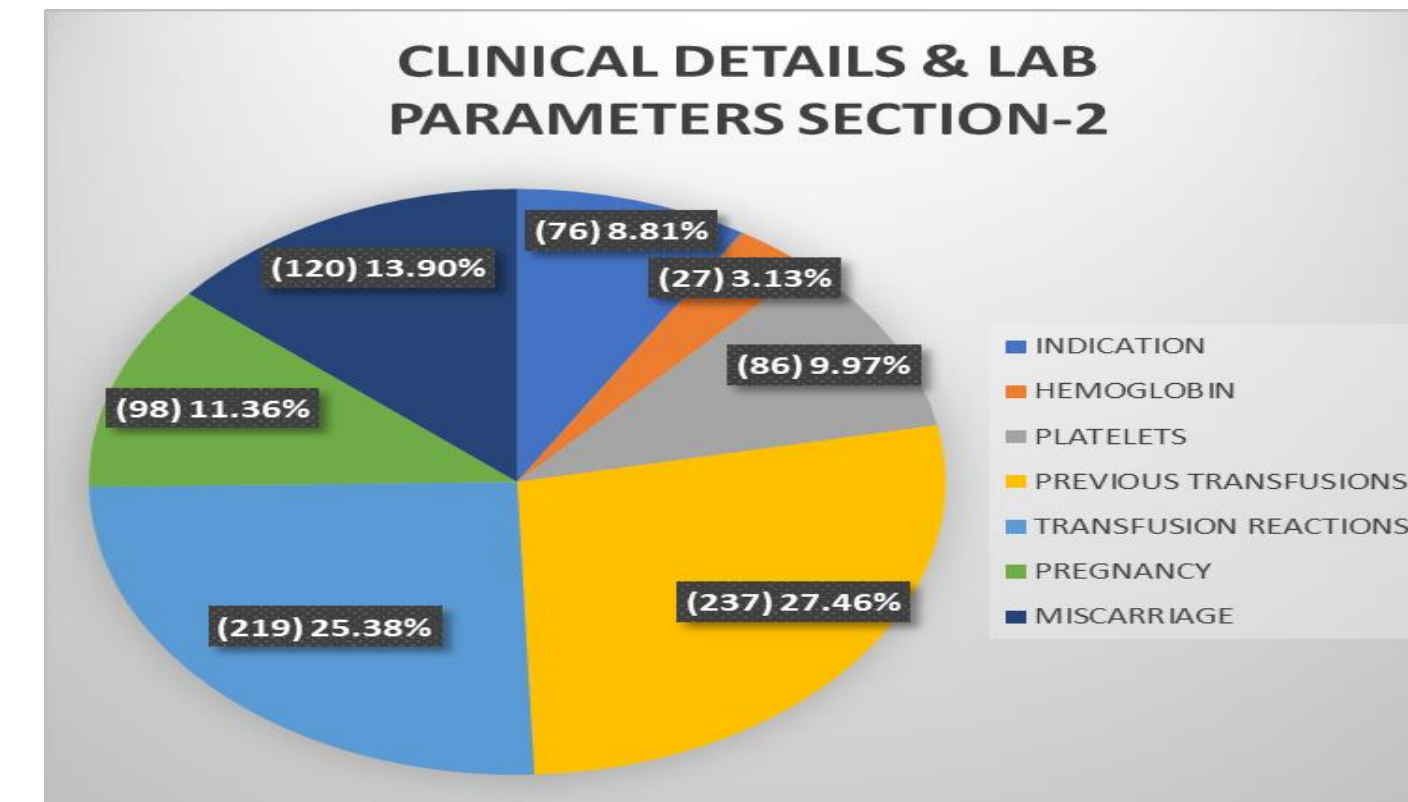
The form is titled 'KAMINENI HOSPITALS Requisition for Blood & Blood Components'. It includes fields for patient information (OP/IP NO., Name, Age, Sex, Date, Department, Ward, Bed No.), clinical details (Provisional Diagnosis, Indication for Transfusion, Previous Transfusion, Transfusion Reaction, History H/o, Miscarriage, Still birth, Erythroblastosis), and requisition type (IMMEDIATE, URGENT, ELECTIVE). It also has sections for material data (Whole Blood, Packed Cells, Fresh Frozen Plasma, Cryoprecipitate) and blood grouping (BLOOD GROUPING, COMPATIBILITY REPORT, CROSSMATCH).

Results

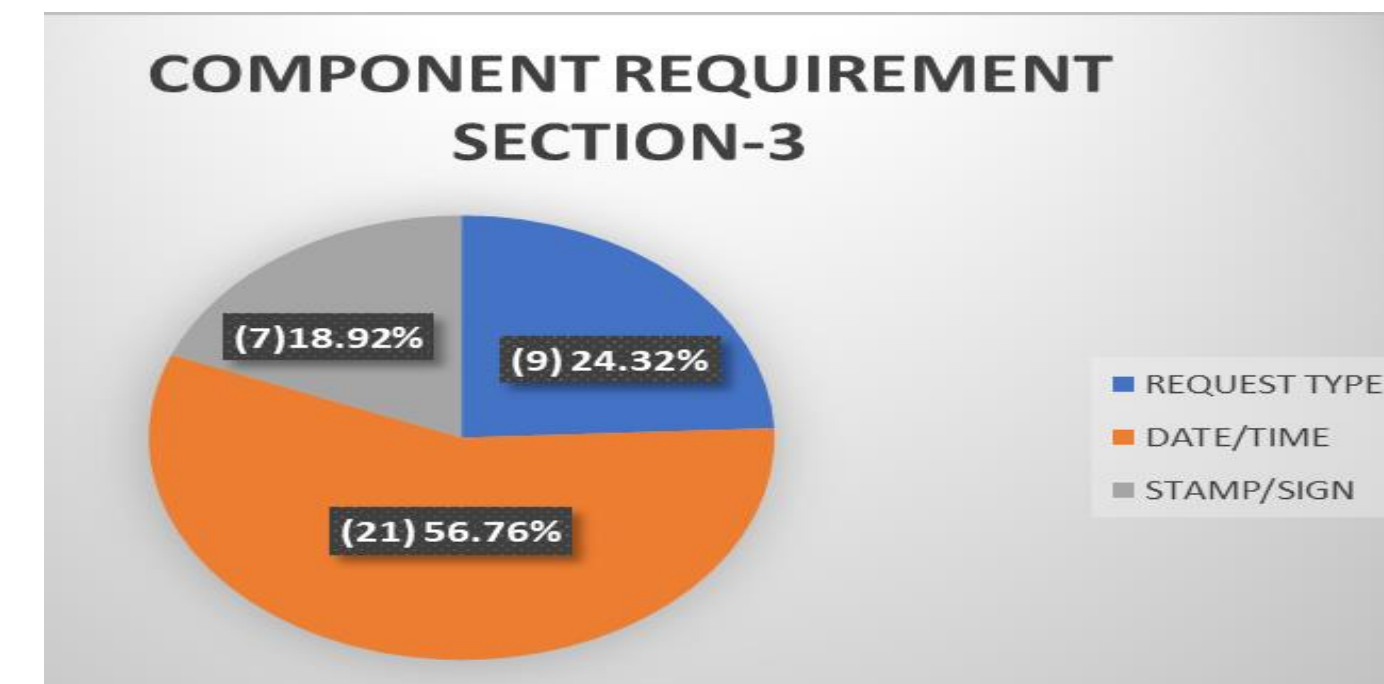
- Out of the 2727 blood request forms assessed, 1934 (70.9%) forms were found incomplete and 793 (29%) forms were completely filled.
- Section 1 was incomplete in 1062 (54.91 %) forms



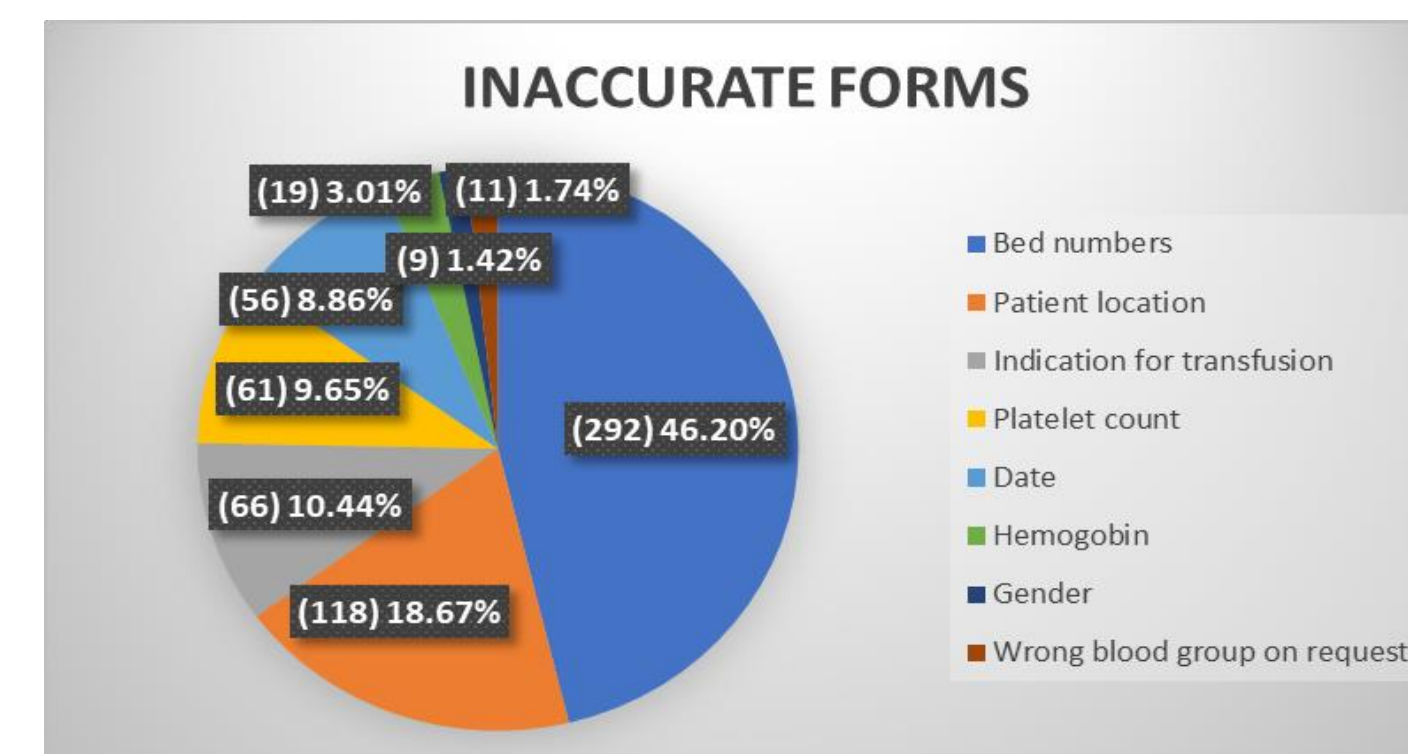
- Section 2 was incomplete in 812 (41.98 %) forms



- Section 3 was incomplete in 68 (3.51 %) forms



- A total of 632 (22.77%) forms revealed Inaccuracies



Conclusions

The results highlight significant gaps in form completion. Accurate and complete information is crucial for ensuring appropriate blood component selection and transfusion

References

- Biswas DA, Wasim M, Bhuiyan HA, Nabi QMRU. Evaluation of Blood Requisition Forms Submitted to Transfusion Medicine Department of a Tertiary Care Hospital in Dhaka, Bangladesh. Sir Salimullah Med Coll J 2022; 30: 142-147.
- Pandey P, Setya D, Mirza SM, Singh MK. Prospective audit of blood transfusion request forms and continuing medical education to optimize compliance of clinicians in a hospital setting. Transfusion Med.2020;1-8..
- Ghazanfer S, Aziz M, Mahmood HO, Ra S. Haemovigilance: Role and importance of blood request forms in routine hospital practice. Professional Med J 2020; 27(8):1686-1691.

For Correspondence

Dr. V.Harini

Contact number: 9008989655

harini.veramachaneni@gmail.com