FACILITATORS AND BARRIERS IN UTILIZING HUS Helsingin viopistollinen **BARCODE TECHNOLOGY IN DRUG** PREPARATION AND ADMINISTRATION -**A FOCUS GROUP STUDY FOR WARD PHARMACISTS**

Laura Laakkonen, MSc (Pharm)^{1*}, Kirsi Kvarnström, PhD ^{1,2}, Carita Linden-Lahti, PhD ^{1,2}, Katja Janhunen, PhD ³, Sini Kuitunen, PhD ^{1,2}, sini.kuitunen@hus.fi.¹ Division of Pharmacology and Pharmacotherapy, Faculty of Pharmacy, University of Helsinki, Finland, ² HUS Pharmacy, Helsinki University Hospital (HUS), Helsinki, Finland, ³ Department of Nursing Science, University of Eastern Finland, Kuopio, Finland, * At the time of study.

Background and Importance:

• Barcode technology is regarded as effective for managing medication hospitals; however, safety in its implementation faces several challenges. Hospital pharmacists have the potential to support barcode-assisted medication management workflows, although previous research has focused on other healthcare professionals.

Materials and Methods:

- A qualitative focus group study.¹
- Participants: a purposive sample OŤ pediatric ward pharmacists (n=14) who regularly use barcode technology.
- The barriers exposed end-users to at-risk behavior, while development ideas focused on increasing facilitators or

Aim and Objectives:

- To examine pharmacists' perceptions of and barriers to facilitators using barcode technologies in a pediatric hospital setting.
- The focus group discussions (n=3) were recorded and transcribed verbatim.
- researchers Two independently conducted inductive content analysis, which was subsequently reviewed thoroughly by the entire research group.

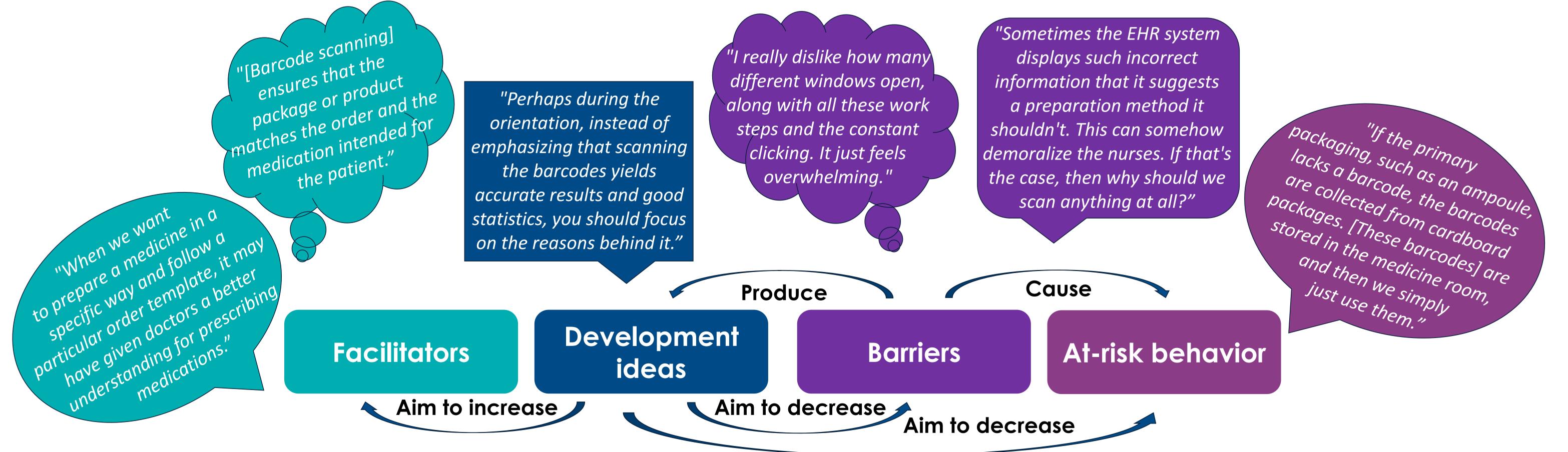
Results:

Four main themes were identified: barriers, at-risk behavior, facilitators, and development ideas (Figures 1 and 2).

removing barriers and at-risk behavior (Figure 1).

Conclusion and Relevance:

- Pharmacists believe that barcode technology enhances medication safety, although many challenges remain associated with its use.
- Identifying barriers and at-risk behaviors essential for facilitating system İS improvement and usability.
- Our research inform can risk management related barcode to technology in hospitals.



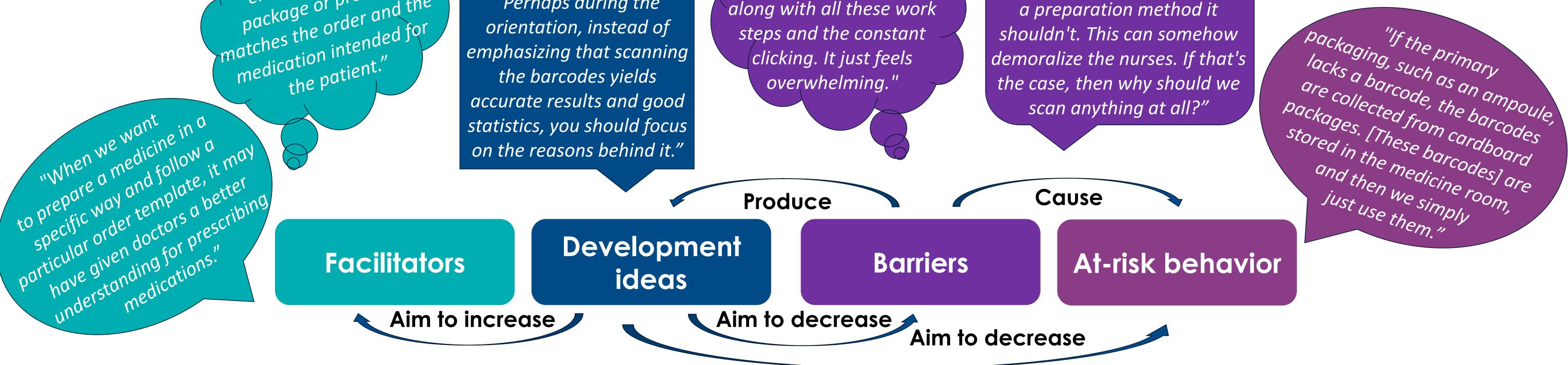


Figure 1. The main themes formed based on the study material, their relationships, and examples of study participants' views on the facilitators and barriers associated with using barcoding technology.

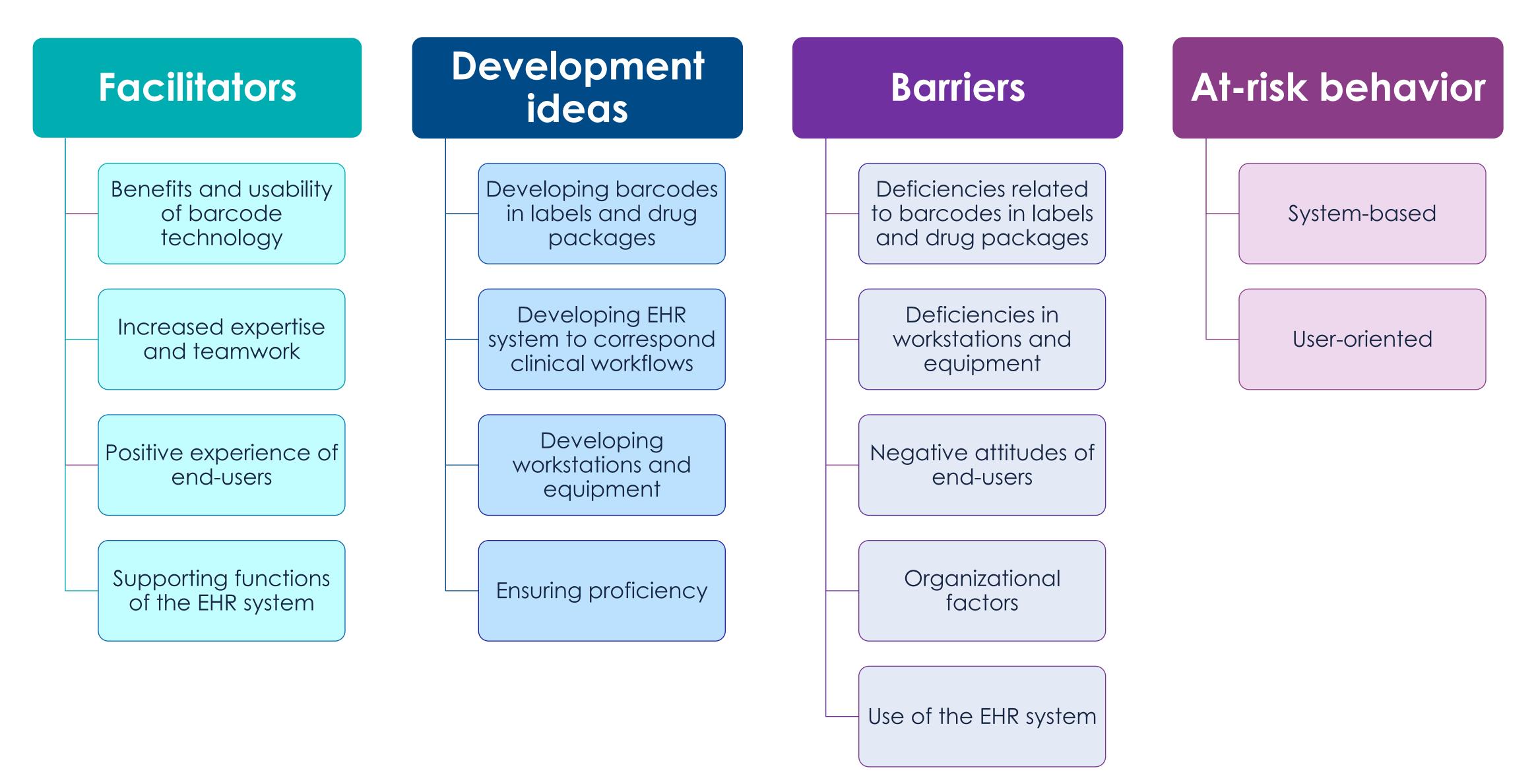


Figure 2. The main themes, along with their representative subcategories, were formed based on the study material.

Acknowledgments: We thank all pharmacists participating in the focus groups. References: 1) Tong A, et al. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. Int J Qual Health Care. 2007;19(6):349-357.

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