

MEDeHelp – Development of an emergency mobile application for Europe

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Body weight estimation

- Based on age or body length
- Neonates, children and adults

Further features

- Treatment guidelines from various organisations as PDF files in the guidelines page

Emergency page

- Common emergency indications
- Patient-specific drug dosages
- Reference values
- Equipment information

Preparation page

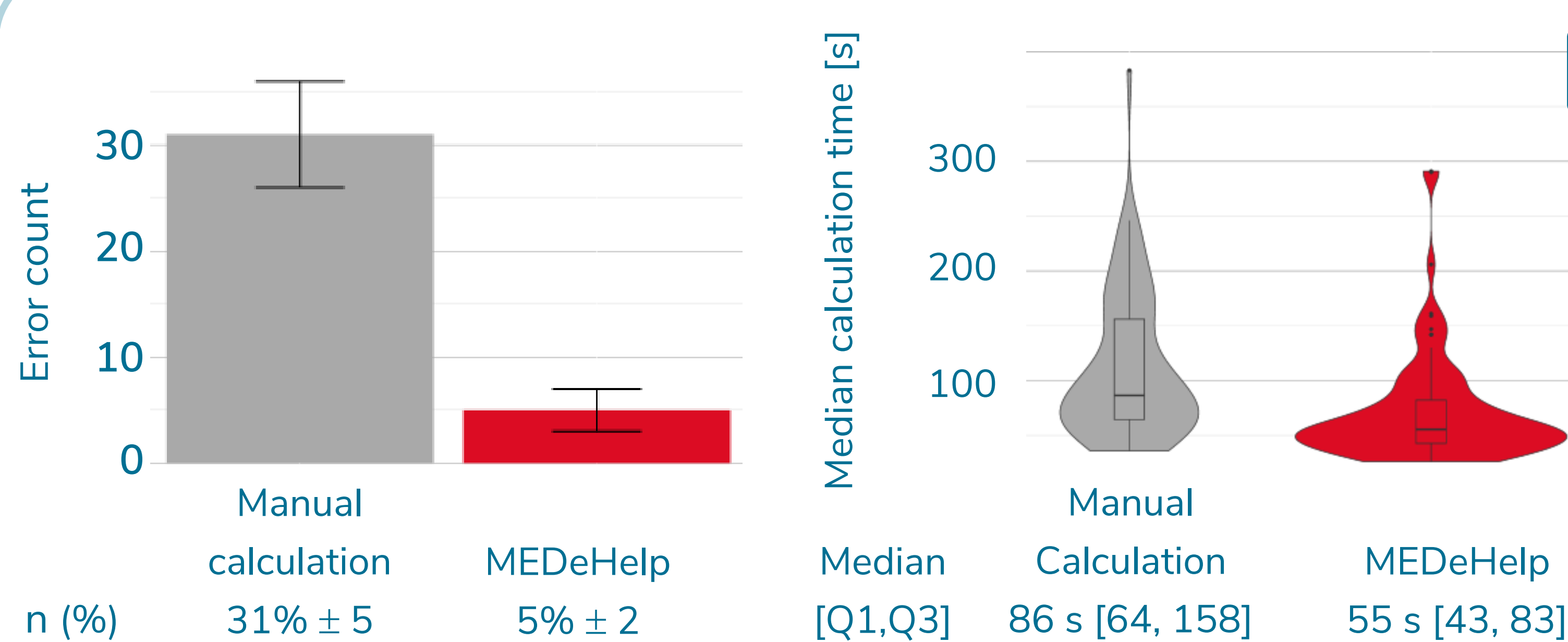
- Patient-specific drug preparation and administration information (step-by step)
- Further information

Medicines page

- Overview page
- Patient-specific emergency drug dosages
- Various filter functions

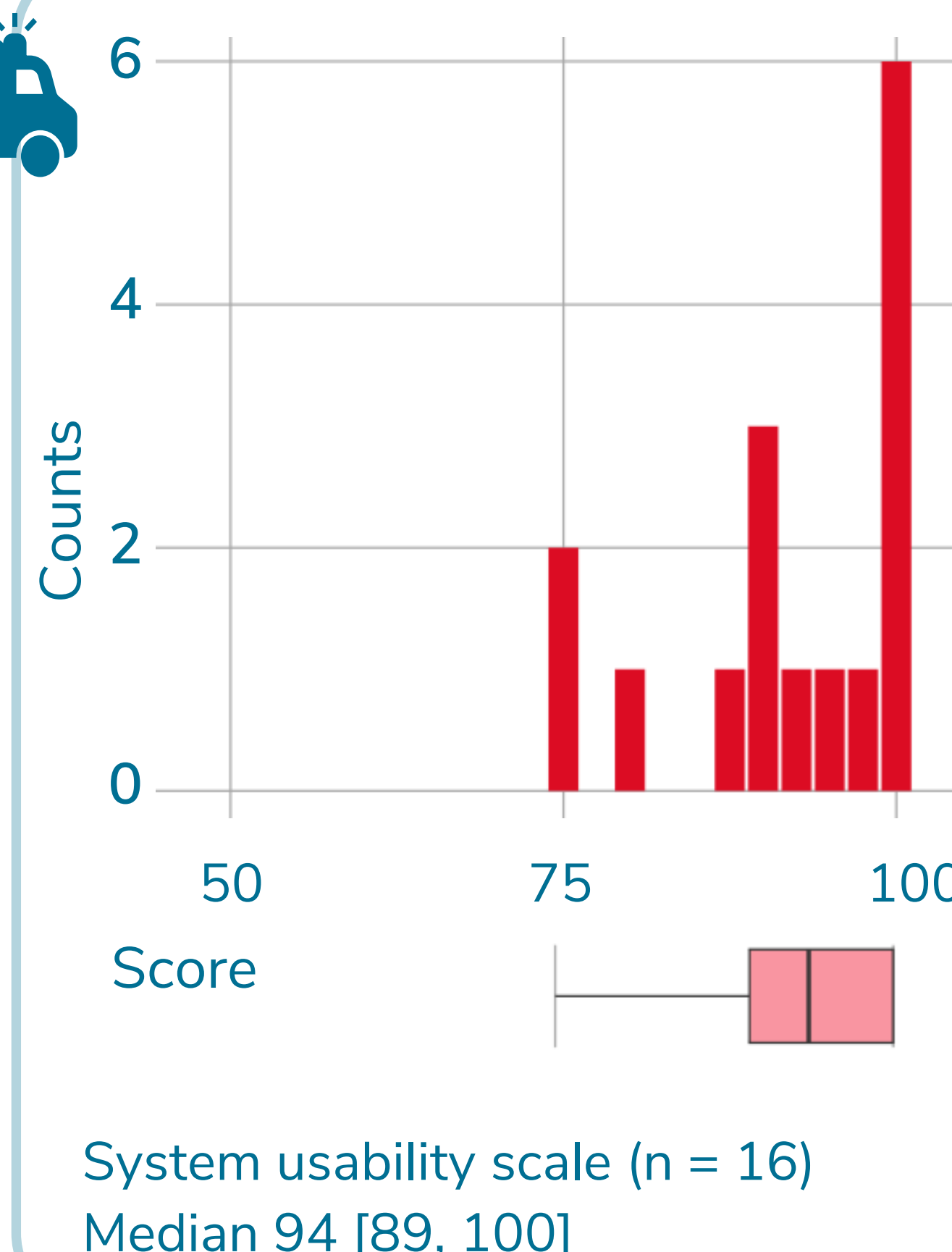
- Definition of user-specific favourite drugs and organisations in the settings page

Reduction of medication errors and time



We compared the number of dosage and preparation calculation errors and the calculation time by emergency physicians, paramedics and paramedics in training while using MEDeHelp versus calculation with a pocket calculator using paper-based drug information (16 persons with each 10 drugs, 5 calculations with MEDeHelp, 5 without).

High usability



MEDeHelp

- Developed under ISO 13485 and EU Medical Device Regulation compliant procedures
- Based on PEDeDose algorithms (CDS, medical device class IIa)
- Design concept and content requirements defined in collaboration with Swiss emergency medicine experts
- Running online or offline on iOS and Android smartphones

Coming soon

- Pilot phase in selected institutions
- Launch in autumn 2025