

A. Demographic information

Please tick the appropriate box.

1. Sex

female male

2. Age group

< 30 years 30 - 39 years 40 - 49 years 50 - 59 years > 59 years

3. Occupational group

Head physician Resident Nurse

4. How many times per week were you involved in the clinical routine during the study period?

< 2x times < 4x times > 4x times

5. How would you describe your attitude towards novel technologies?

positive negative

B. Questions regarding efficiency of the mobile EMR.

B1: Overall efficiency of the mobile information system.

Using a tablet-PC made...	Much faster	Somewhat faster	Neutral	Slower	Much slower
...access to patient data...					
...the preparation of ward rounds...					

...the conduction of ward rounds...					
...the post-processing of ward rounds...					
...the entire clinical routine...					

B2. Efficiency of specific sub-processes in the context of data retrieval with the mobile EMR.

Using a tablet-PC made access to the following data faster/slower:	Much slower	Slower	Neutral	Faster	Much faster
1. Patient data					
Contact details					
Room numbers					
Length of stay					
Insurance status					
2. Medical evidence					
Diagnosis					
Medical history					
Clinical Evidence					
Lab Results					
External Lab Results					
Neurological function diagnostic					
Non-neurological function diagnostic					
Microbiology test results					
Emergency referral forms					
3. Imaging Data					
X-ray					
MRI					
CT					
External images					
4. Other					
Patient care					
Handover between physicians					
Home medication					

Clinical course					
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B3. Mobile EMR + goldstandard (Paper chart + trolley laptop) vs. exclusive use of goldstandard

Please provide perceived changes of labour time due to tablet use in minutes.

Using a tablet-PC changed the amount of time required to...	Time gain per day (in minutes)	Time los per day (in minutes)
...carry out ward rounds.	+	-
...prepare ward rounds.	+	-
...post-process ward rounds.	+	-
...retrieve patient data during ward rounds.	+	-

B4. What is your favourite documentation tool during ward rounds? You can opt for up to three answers.

Paper chart

Trolley with laptop

Tablet-PC

B5. Are there any further aspects in the context of tablet efficiency that you would like to comment on?

C. Questions regarding satisfaction with the mobile EMR (Quality)

C1. Questions regarding overall satisfaction with the mobile EMR.

By using the mobile EMR...	Much better	Better	Unchange d	worse	Much worse
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...the process of conducting ward rounds worked...					
...clinical documentation worked...					
...the currentness of clinical evidence was...					
...generating clinical course documentation was...					
...discussing clinical evidence with colleagues / the head physician worked...					
...discussing clinical evidence with patients worked...					
...generating clinical orders worked...					

C2. Questions regarding location independent access of data as provided by the mobile EMR.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I perceived mobile real-time access to patient data generally as enriching .					
Mobile access to image data improved patient-doctor communication during ward rounds.					
I perceived mobile access to the red list as enriching.					

C3. Quality of the mobile EMR with respect to image data.

How satisfied were you with presentation of data as listed below?	Very unsatisfied	Somewhat unsatisfied	undecided	Somewhat satisfied	Very satisfied
Radiological evidence					
External radiological evidence					
X-rays					

MRT-images					
CT-images					
Clinical evidence other than image data					

C4. General questions regarding satisfaction with the mobile EMR.

	Very much	Somewhat	Undecided	Not really	Not at all
Have your experiences with the tablet-PC increased your motivation to use a tablet during ward rounds in the future?					
Did patients respond generally positive towards tablet use during ward rounds?					
Did you perceive the tablet-PC as an useful extension of the current goldstandard (Paper chart + trolley with laptop)					
Were you overall satisfied with the tablet-PC as information system during ward rounds?					