

eMedRec Evaluation Checklist

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1. Evaluate usability of the eMedRec tool

Prepare

- Test the equipment to collect the audio and screen recordings.
- Select the representative tasks and users for testing the tool.
- Obtain ethical approval through your organization's ethical review board.

Test

Record representative users performing the following tasks:

- Collecting the electronic Best Possible Medication History (eBPMH).
- Revising / Updating the eBPMH.
- Comparing two different medication lists for discrepancies.
- Resolving unintentional and undocumented intentional discrepancies.
- Generating an electronic Best Possible Medication Discharge Plan eBPMDP that includes:
 - Medication regimen for patients in consumer friendly language.
 - Communicating the medication regimen to the next provider (e.g., family physician).
 - Communicating the medication regimen and new prescriptions to the community pharmacy.
- Other tasks?

Analyze The Data

- Transcribe the audio recordings and annotate the video records.
- Identify where users encountered usability issues.

Revise the eMedRec System

- Work with IT staff and/or vendor to customize the solution to ameliorate the usability issues identified.

2. Evaluate the influence of eMedRec on workflow

3. Estimate the impact of eMedRec on organizational costs

- Use Meisel's formula (p. 85, MARQUIS Manual) to estimate the net cost of eMedRec Implementation.
- Use Rough's (p. 87, MARQUIS Manual) formula to justify the use of pharmacy staff in eMedRec.