Medication Reconciliation Implementation in 14 Croatian Hospitals

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Medication Reconciliation

What Is Medication Reconciliation?

It is a formal process comparing:

A patient’s accurate and comprehensive medication history (Best Possible Medication History)

Medications prescribed at Admission, Transfer and Discharge

Discrepancies are identified and brought to the attention of the healthcare team.
Medication Reconciliation

- Admission
- Transfer
- Discharge
HCOs are expected to introduce the following three-step process:

1. Create a complete and accurate Best Possible Medication History (BPMH)
2. Reconcile medications
3. Document and communicate
Key steps for getting started on implementation of Medication Reconciliation

1. Secure senior leadership commitment
2. Form a team
3. Define the problem *(aims, baseline data)*
4. Start with small projects and build expertise in reconciling medications
5. Evaluate improvements being made – collect data
6. Spread
Data Measurement

At Baseline
- reflects the types of discrepancies that exist prior to the implementation of the MedRec process
- Example of Completed Individual Medication Reconciliation Audit Tool for Baseline Data Collection
Data Measurement

*Post-implementation*

1. Outcome measures
   - Mean number of undocumented intentional discrepancies
     
     \[
     \text{Mean number of undocumented intentional discrepancies} = \frac{\text{Number of undocumented intentional discrepancies}}{\text{Number of Patients reconciled}}
     \]
   
   - Mean number of unintentional discrepancies
     
     \[
     \text{Mean number of unintentional discrepancies} = \frac{\text{Number of unintentional discrepancies}}{\text{Number of patients reconciled}}
     \]
Data Measurement

*Post-implementation*

2. Process measures

- Percent of Patients Reconciled at Admission

\[
\left( \frac{\text{Number of patients reconciled}}{\text{Number of Patients admitted}} \right) \times 100
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- Percent of Patients receiving a BPMDP at Discharge

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\left( \frac{\text{Number of patients in the sample for whom a BDPH was created}}{\text{Number of patients in the sample}} \right) \times 100
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