

DSU MyHealthChart

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Approach

The key focus of our design was to ensure that the CCD is presented in such a way that it satisfies the objectives of a patient and caregiver. We conducted an exhaustive review of past research on PHR's and other patient oriented documents and one of the finds of our review is that the key reason for accessing a personal health record can be summarized as "To improve sense of control, get a sense of health status and take active role in managing health" The information most useful in providing a sense of health status includes (1) Lab Test Results, (2) Medication Lists (3) Diagnosis and (4) Treatment Plan. In addition, we also reviewed literature on provider information needs from EMR and identified information items relevant to providers.

Key Features of Design

The design has two key elements, (1) **Quick Health Summary to give a sense of overall health status** and (2) **Patient Profile for patient background**. The quick summary aggregates information from different sections of the CCD to give patients and caregivers a sense of the patient's health status. The patient profile is oriented towards providers and includes summary information not included in the quick summary but useful for providers in understanding their patients.

1. Quick Health Summary Section

Objective: Provide patients and care givers with a sense of overall health status and information required to manage health.

Information Items

- Active Problems
- Active Medications
- Plan of Care
- Recent Diagnostic Results
- Recent Vital Signs

2. Patient Profile Section

Objective: Provide clinicians with summary information necessary for understanding patient background and ensuring safety of care.

Information Items

- Allergies and Adverse Reactions
- Surgical History
- Family history
- Encounters - (List of providers visited)
- Functional Status
- Medical Equipment
- Social History
- Advance Directives
- Insurance Providers

Document Structure

The quick summary is presented in the beginning of the document whereas the patient profile is always presented at the end of the document. In between the Quick Health Summary and the Patient Profile is the main body of the document with detailed information items. The information items are presented such that items that are of most interest to patients are presented in the beginning of the main body.

Ranking of Detailed Information Items in Main Body

- Summary Purpose
- Problems
- Medications
- Diagnostic Results
- Vital Signs
- Plan of Care
- Immunizations
- Surgeries/Procedures
- Allergies and Adverse Reactions
- Encounters
- Functional Status
- Family history
- Medical Equipment
- Social History
- Advance Directives
- Insurance Providers

Research suggests that this information is what patients find most useful in a PHR. Hence it is placed at the beginning of the document.

This information is already known to the patients and they may only look at it to verify accuracy. Hence it is placed later in the document.

Quick Health Summary

Objective: Summary information required for understanding health status (active problems and recent test results) and taking control (medications and treatment plan)

Placement: Always presented in the beginning of the document

Main Document Body

Objective: Detailed information from CCD supplemented with appropriate patient education materials.

Placement: Information items of most interest to patients is presented first, followed by patient family history etc. that is already known to the patient.

Patient Profile

Objective: Summary information of use to providers required for patient safety but not contained in quick summary

Placement: Always presented on the last page so physicians can quickly flip to it. Patient Profile + Quick Summary gives physicians information necessary to necessary information to understand health status, ensure patient safety.