

User Interface (UI) Enhancements for CCCN Diabetes Registry

Requests for enhancements fall into 2 categories: 1) immediate quick fixes, and 2) worthwhile usability enhancements that will increase sustainability. Immediate UI fixes correct unresolved issues that were either carried over from the last operational build or based on user feedback from current adopters. Placing some focused priority on sustainability items could dramatically improve the patient point-of-care (PPOC) in ways that the larger electronic records systems cannot accommodate without expensive software customization. The easiest sustainability effort would be to provide healthcare providers enhancements to the interim method for capturing patient POC between electronic tools, while still using their legacy paper file systems. This is an area that CCCN has already excelled over larger electronic systems.

In support of PPOC and user feedback already gathered from CCCN adoption sites, features such as a) multiple worksheet prints, b) Visit Summary Sheet for paper chart filing, c) improved paper printing function, and d) enhanced reporting capability could potentially have the highest payoff in design/development effort investment and would strengthen CCCN sustainability.

Visual Layout and Consistency (immediate fix)

- Implement CSS (font, page templates) – improves overall visual consistency
- Enhance tab and header appearance (e.g., tab visual look and highlight; Welcome)
- Design online Visit form as stated in spec

Improve Usability (immediate fix)

- Requirement fields indication
- Error messages (e.g., patient not found, omitted data) and prompts – custom dialog boxes
- Hints for filling our forms (e.g., mm/dd/yyyy)
- Improve patient goals section place to enter the actual BP, Weight, and HbA1c values place to enter the actual BP, Weight, and HbA1c values
- Make consistent sequencing of pages lead back to where the function is initiated (e.g., Report/Detail Patient/Exit goes to View Patient)

Improve Printing (sustainability feature)

- Print multiple worksheets
- Eliminate Crystal reports or hide interface elements
- Combine View and Print
- Print view Visit Summary (convenient version for filing)

Usability enhancements of functional capability (sustainability feature)

- Enhance reporting UI according to user feedback
- Expand Notes capturing feature