

## NIH Summer Research Program 2006

**POSTER TITLE:** Evaluating the Usability of a Visual display for Interdisciplinary Problem Documentation among Clinicians

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### **ABSTRACT:**

The purpose of this study was to provide a means of evaluating the usability of a visual display for multidisciplinary problem documentation among clinicians. A convenience sample of 54 clinicians was solicited for feedback using a series of descriptive, self-report surveys. Analysis of the surveys indicates that clinicians were generally satisfied with screen design of the visual display for multi-disciplinary problem documentation, found it useful and easy to use, and would use it often for team communication both on an individual basis and on rounds.

### **PURPOSE:**

- To evaluate the usability of a visual display for interdisciplinary problem documentation among clinicians
- To provide a means of identifying problems, difficulties and weakness with computer system design that need improvement

### **CONCLUSIONS:**

- Clinicians were satisfied with the overall screen design of the Interdisciplinary Care View (IDCV)
- Clinicians found the IDCV useful and easy to use
- The majority of clinicians would use the IDCV on rounds and for team communication
- 93% of clinicians indicated expected daily or weekly use of the IDCV on an individual basis
- Continued use of an on-line problem list will facilitate communication
- Users reported a need for more streamlined screen layout, improvements to system usability, and addition of pharmacy documentation and major medical diagnoses.
- Clinicians responded most favorably to the navigability, user-friendliness, and functionality of the IDCV.
- Clinicians anticipated using the IDCV to quickly assess patient's status, view other providers' recommendations, and to obtain pertinent data on patients' hospital course and prior medical problems.