

Intra-Clinic Communications Using Mi-Co Forms

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Collaborative Studies Coordinating
Center

Project Assumptions

- We serve five breast cancer clinics
(Mammography, Surgical Oncology, Radiation Oncology, Medical Oncology, and Pathology)
- These clinics have a common patient pool
- We will collect, codify, store, and share information within this group of clinics.
- The primary challenge is to put together a system that physicians will actually use.

Project Goals

- Long-Term
 - Improve follow-up and patient compliance between clinics.
 - Prepare aggregate statistics within and across clinics
 - Allow physicians to run queries against data from one or more clinics

Project Goals

- Short-Term
 - Stream-line data collection within each clinic.
 - Improve communication between clinics.

Project Design

- We will deploy ten tablet PCs (two per clinic) within the five breast cancer clinics.
- Each tablet will have a common “Patient History” form and a form that is specific to that clinic.
- Physicians in each clinic will be using these forms during their interactions with patients.

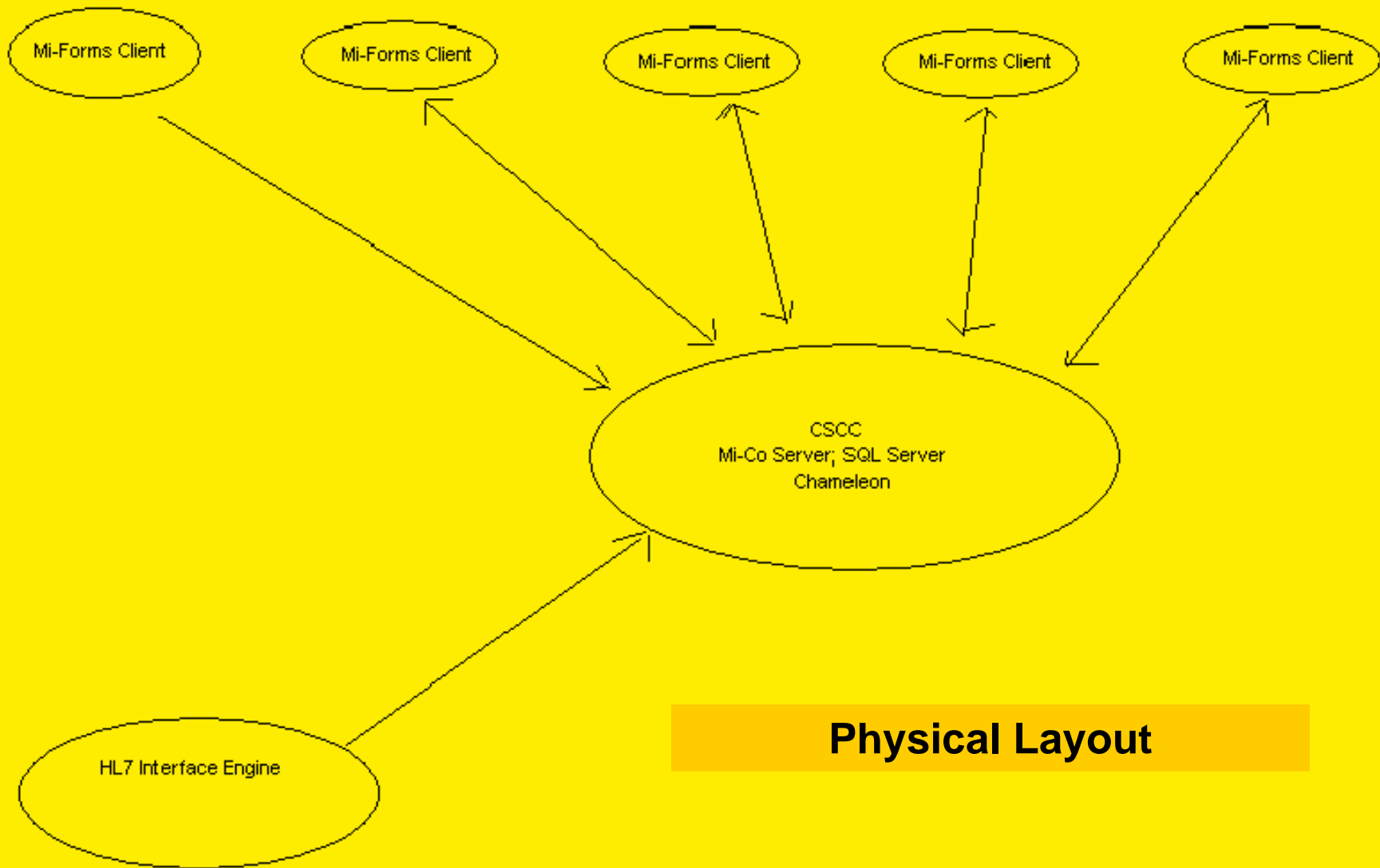
Project Design

- Our forms will pull demographic information from the hospital's appointment and scheduling software
- Physicians will be able to choose the patient (by MRN) from a picklist
- Ultimately, identifying information will be stored separately from clinical data

Project Design

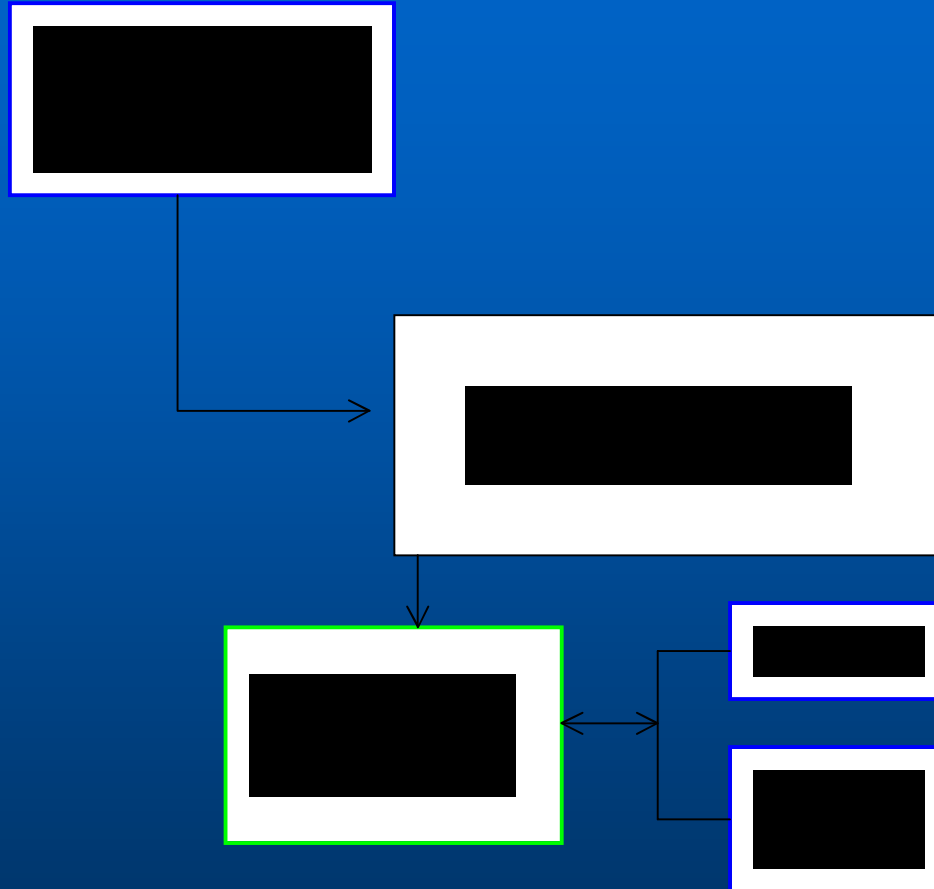
- We will provide two-levels of output reporting to the clinics.
- Most clinic forms will contain hotspots that will show relevant information from interactions with other clinics.
- Aggregate statistics and patient compliance reports to each clinic

Tablet PCs at
Five Breast Cancer Clinics



Physical Layout

Data-Flow Diagram



Difficulties So Far

- HIPPA Security Considerations
- Reading HL7 data
- Multiple Platforms
- Wireless availability
- Multiple occurrence Mi-Co form

Why Use Mi-Co Forms

- **Ease of use**
- **Character recognition**
- **Flexible Back-End**
- **SSL Connection / Mi-Forms Server**