

CLINICAL TRIALS DATA AUTOMATION IN REGIONAL HEALTH INFORMATION NETWORKS

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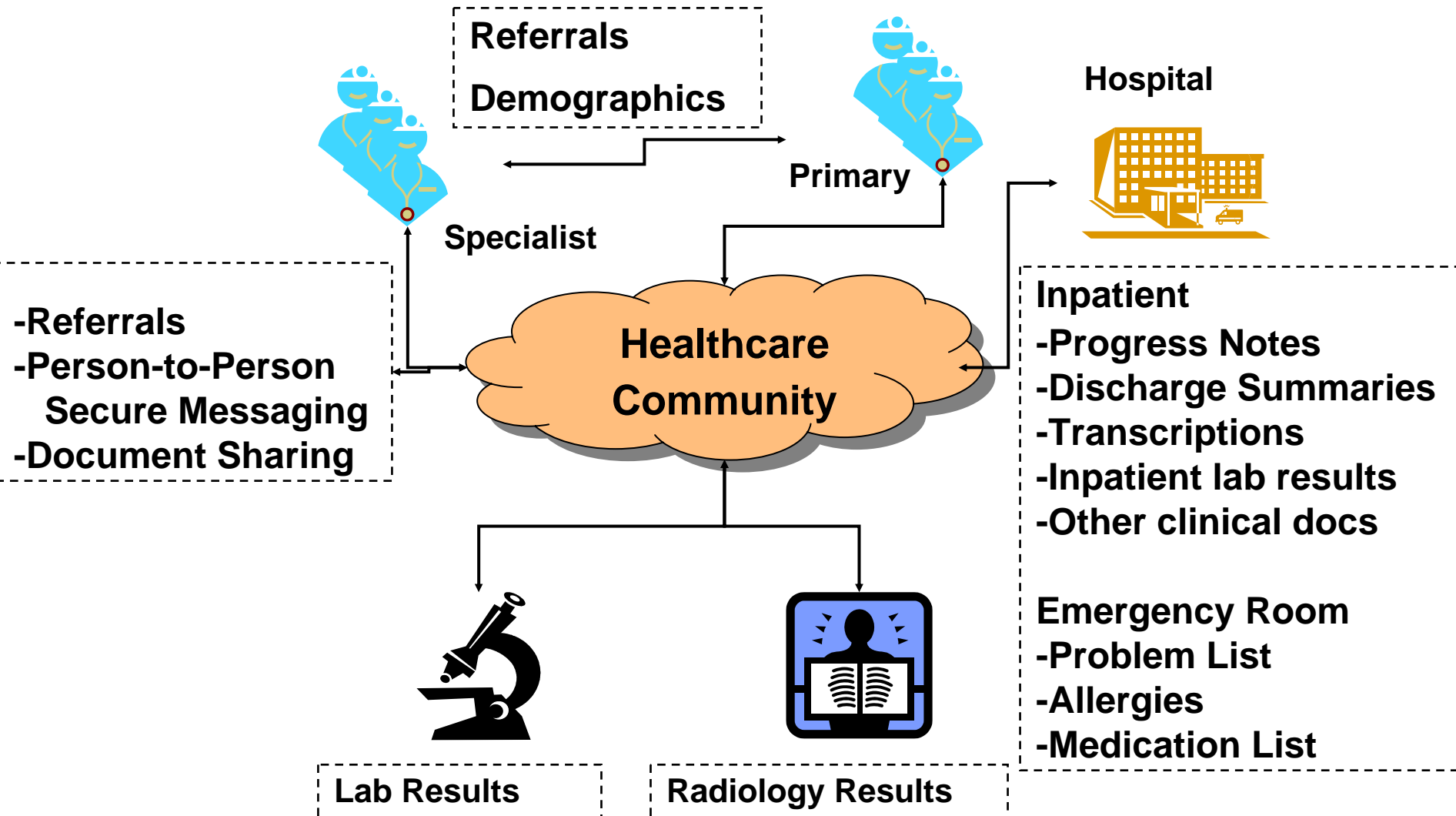
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HealthUnity™

What is a RHIN?

- RHIN - Regional Health Information Network
 - An internet-based secure, privacy-protected network where health information is shared between healthcare organizations
- Potential participants
 - Hospitals/Emergency Dept.
 - Physicians
 - Labs
 - Radiology
 - Pharmacy
 - Long term care
 - Patients
 - Public health
 - Research
 - Payers

Anatomy of a RHIN



HealthUnity™ RHIN Solution Overview

- **Server Products**
 - Network Edition
 - Hospital Edition
 - Adapters to popular hospital systems
 - Physician Practice Edition
 - Adapters to popular EMR and PMS systems
 - Ancillary Edition
 - Adapters to popular lab and radiology systems
- **Client**
 - Microsoft .net smart client
 - Works along side existing applications
- **Services**
 - Planning
 - Implementation
 - Growing network
 - Support

Privacy and Security Considerations

- Two models on RHIN policies on data sharing
 - With explicit patient permission
 - Implicit consent due to HIPAA provision that permits data sharing among care providers for treatment purposes
- For Clinical Trials
 - Explicit patient permission is required
 - Recruiting – only concerned physician can make that decision whether to contact and enroll patient
 - On going patient disclosures, informed consent etc

Clinical Trials Using the RHIN

- Recruiting
 - Physicians (trained to perform clinical trials)
 - Patients
- Data gathering and reporting
 - Labs and Radiology Centers that participate
 - Efficient electronic ordering and results delivery
 - Clinical reporting between referring physician and Principal Investigator
 - Clinical Reporting to sponsor's research staff

What it means for clinical trials?

- Sponsors / Contract Research Organizations
 - Lower cost of trials
 - Speed up trials
- Patient Recruitment Service Providers
 - Wider access to providers and patients
 - Speed of information
- Outside Referring Physicians
 - New sources of income
- Other participating providers
 - Labs
 - Radiology
 - New business
 - Lower cost of orders and results delivery