

Benefits and Implications of Community HIE for Practicing Physicians with EMR

**Fourth Health Information Technology Summit
Washington, DC
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**James E. Ratliff, MD
Michael Matthews**

Full Spectrum Urology

- 27 Urologists
- 6 Radiation Oncologists
- 3 Anesthesiologists
- 2 Pathologists
- 1 Radiologist

- 9 Office Locations
- 3 Surgery Centers
- 2 Radiation Rx Centers





Virginia Urology

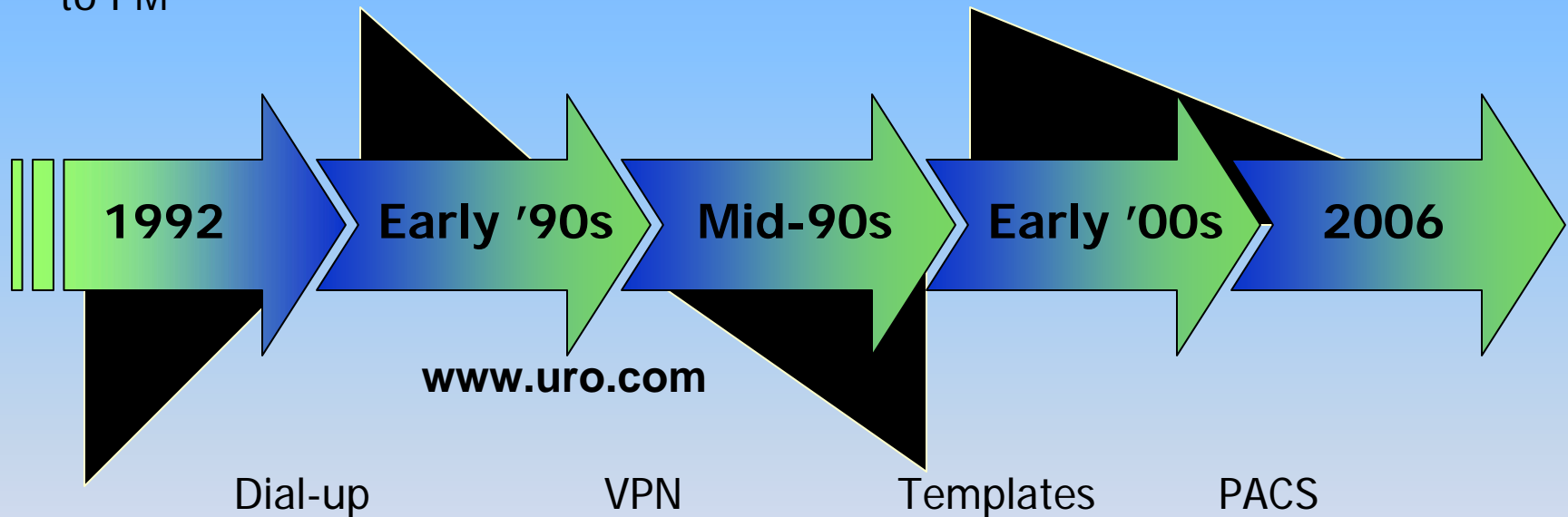
Electronic Clinical Documentation Timeline

Transcriptions linked
to PM

Intranet

First e-results

GE Centricity EMR





Virginia Urology

Clinical Database

200,000 Patients

3,000,000 VU Reports
(searchable text)

800,000 Chart Accesses/Year

100,000 Reports Sent Out/Year

700,000 Scanned Documents!
(5 FTEs @ \$11.34/hr)

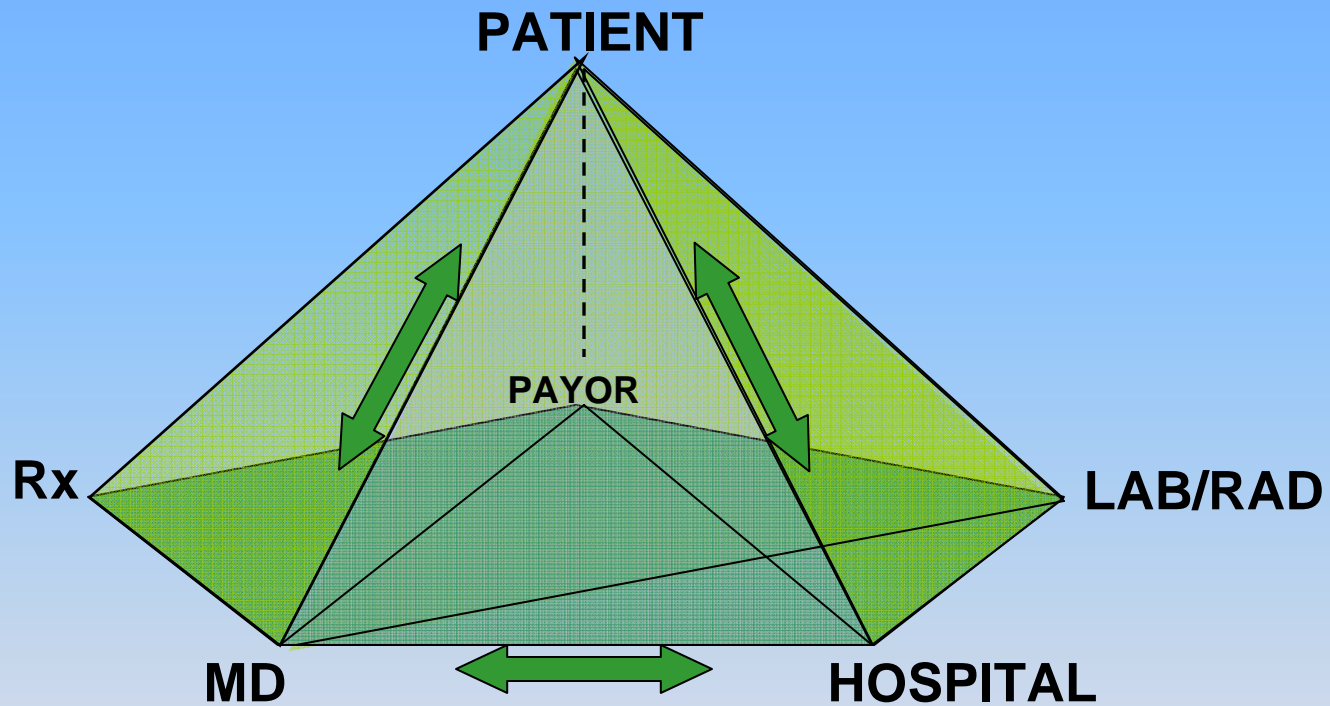
“Further investments in our own EMR will produce little additional value if we can’t exchange clinical data with other physicians and health care providers.”

- Eric Cote’, MD

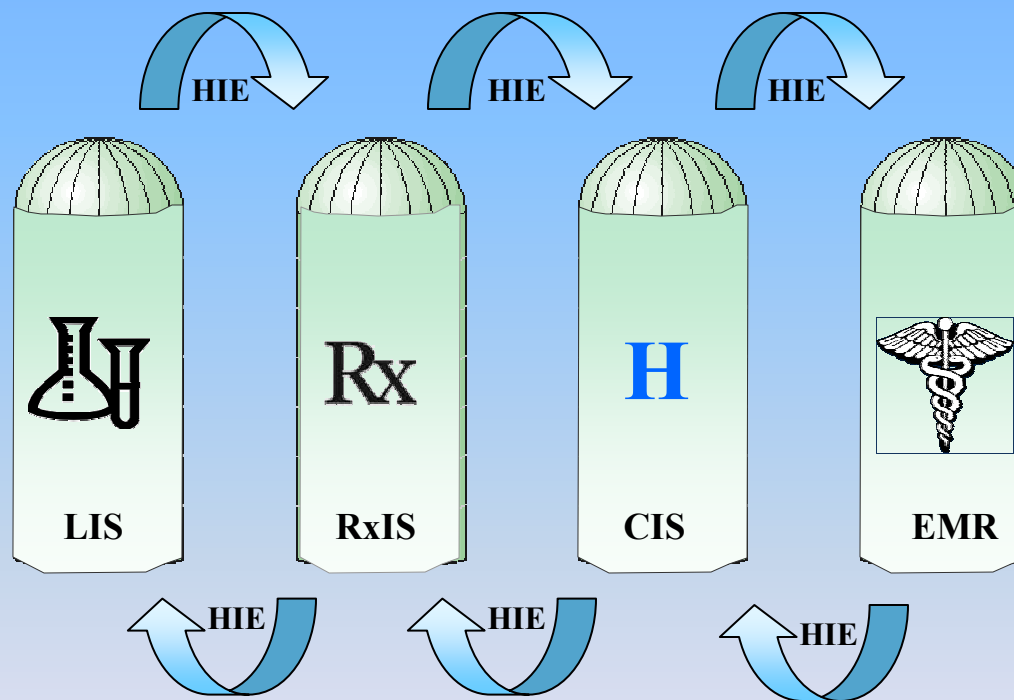
“The fax machine had a bigger impact on health care than the MRI.”

- John Bowman, MD

CLINICAL INFORMATION TRIADS



HIT vs. HIE



LD01W # 2011

Smith JED
 DW J [redacted]

WARRL 1254 J [redacted]
 PW ~~3666A~~

S.F. LOGIN [redacted] 2 [redacted]
 PW 2 [redacted] J [redacted]
 SEARCH → SIGN

I.T. HELP DESK
~~354-8664~~
 627-5070

PAW HASHT
 594-7476
 MR: 594-7300

FINALIZE

STENTON

J [redacted]
 OR [redacted]

PW [redacted]
 CENTRICITY
 DR [redacted]

MEDITECH
 DR. RA [redacted]

NET ACCESS

20 [redacted]
 20 [redacted]

E-SIGN PIN 2 [redacted]

594 [redacted] + TOK [redacted]
 K [redacted]

James E. Ratliff, M.D.

ARL [redacted]
 GODDWIN
 967-5371
 997-1009 [redacted]

med [redacted]
 med [redacted]
 MEDV [redacted]

2

THE OVERFLOWING IN-BOX

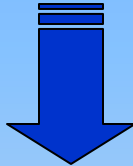
- **If:**
 - Easily access all results with just a “click” within a single sign-on clinical environment
- **Then:**
 - No need to scan/save/store data for *possible* future view
 - In-box fills only with what is ordered, requested, or cc
 - Dramatic decrease in unwanted in-box items
 - Tremendous reduction in redundant data storage costs

300+ Physician investors
900+ Network physicians
11 acute care hospitals

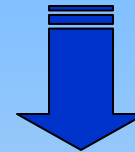


1995

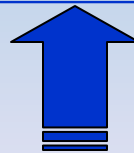
20%



2001



80%



Virginia's Regional Health Information Organization

Organizational Purpose

- **Collaboration in HIT**
- **Clinical data exchange**
- **Practice automation**



Vision: “...the most electronically integrated medical community in the U.S.”

