

Connecting A Community

Can You
Really
Establish A
Community
Health
Record?



Connecting A Community

◆ Winona Health

- ⊗ **Community Memorial Hospital** – 99 bed

- ⊗ **Lake Winona Manor** – 160 bed

- ⊗ **Miller/Metz Manors** (memory care)

- ⊗ **Watkins Manor** (assisted living)

- ⊗ **Home Care & Hospice Services**

- ⊗ **Winona Health Physician Clinics**

- ⊗ **Parkview Pharmacy**

- ⊗ **Winona Health Foundation**

- ◆ **Family Medicine of Winona** – primary care

- ◆ **Winona Clinic** – multi-specialty

Our IT Journey

◆ Goals

- ⊗ Connect Winona area healthcare partners
- ⊗ Enhance quality and safety of care
- ⊗ Operational efficiencies
- ⊗ Empower patients

Our Solutions

- ✓ **Integrated EMR - Hospital**
 - ✓ Hospital system for scheduling, lab, radiology, nursing, ED, HIM, etc.
- ✓ **Integrated EMR - Clinics**
 - ✓ EMR view of Millennium database designed for clinic/office use
- ✓ **Electronic Prescribing**
- ✓ **Integrated PACS**
- ✓ **Personal Health Record**
 - ✓ Secure messaging system, eVisits, View into medical record, disease mgmt, etc.
- ✓ **Integrated Financial Applications**
 - ✓ Integrated billing, materials management, general ledger

Stage	Cumulative Capabilities	% of Hospitals
11	Personalized medicine	
10	Clinical process optimization	
9	Outcomes-based condition management (all venues)	
8	Complete device interactivity	
7	Medical record fully electronic; care delivery organization able to contribute to electronic health record as byproduct of electronic medical record	0.0%
6	Physician documentation, full clinical decision support system (variance and compliance), full PACS	0.1%
5	Closed-loop medication administration	0.5%
4	CPOE, clinical decision support system (clinical protocols)	1.9%
3	Nursing documentation, eMAR, clinical decision support system (error checking), PACS	8.1%
2	Clinical data repository, controlled medical vocabulary, clinical decision support interface engine, document imaging	49.7%
1	Ancillaries: laboratory, radiology, pharmacy	20.5%
0	All three ancillaries not installed	19.3%

Chart courtesy of Cerner Corp.



Care/Quality Benefits - Just The Beginning

- Immediate access to information, anywhere, anytime
- 100% (close enough!) electronic ambulatory prescriptions
- Zero lost radiology films
- Quickly identify patients for drug and medical device recalls

Care/Quality Benefits - Just The Beginning

- Reduced walkouts in ED 60%
- Automated privacy and security auditing
- Automated control of medical records
- Improved Immunization records

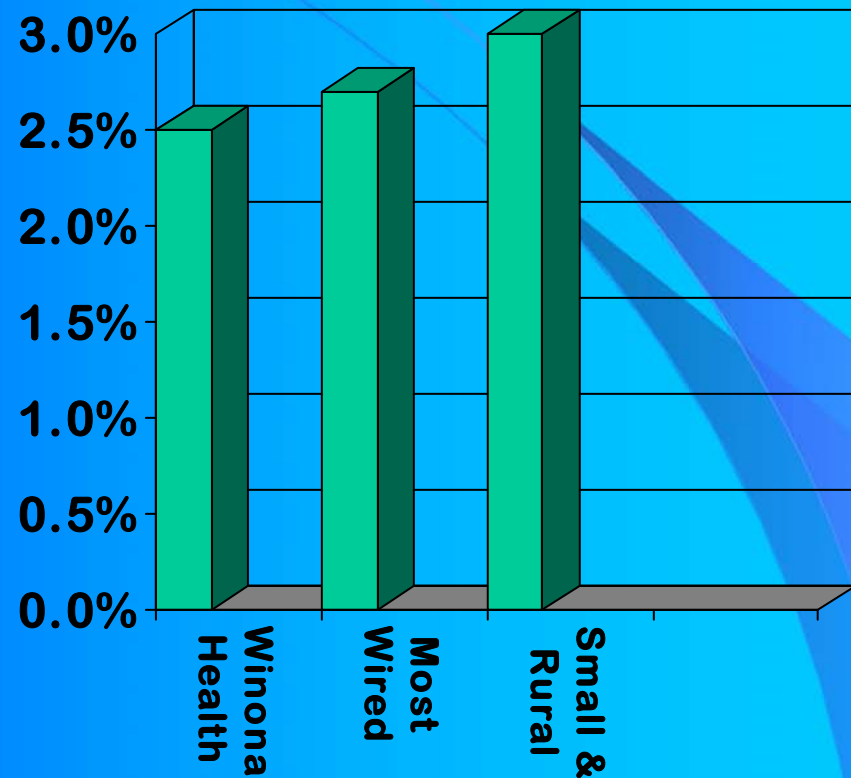
Cost Savings - So Far

- ◆ **Benefits currently offsetting 43% of annual costs of implementing Cerner systems**
- ◆ **Original projection was an offset of 72% over 6 years**

<u>Annual Savings</u>	
Rushford Clinic labor	\$8,000
Rushford Clinic cash flow	20,000
Radiology Film Cost	38,000
Radiology labor	35,000
HIM labor	65,000
Reduce ER Walkouts	9,000
Reduction in LOS	<u>167,000</u>
	\$342,000

Operating Costs

- ◆ Operating expenses for Information Systems/Technology compares favorably to *Most Wired Hospitals*



Privacy/Security

◆ Winona Healthcare Organization

- ⊗ A “Virtual” Organized Healthcare Organization
- ⊗ Satisfy HIPAA Requirements
 - Independent healthcare entities function as a single organization for maintenance of EMR
 - Joint Notice of Privacy Practices
 - Joint Patient Consent Form
- ⊗ Developing joint policies and procedures

Our Experience

- ◆ **Cultural Impact**
- ◆ **Systems Thinking**
- ◆ **Dynamic v Static System (user driven)**
- ◆ **Physicians**
- ◆ **Launch Considerations**
- ◆ **Consumers**

The Foundation is in place...but there is more...



WH *Winona Health*

... To Do

- ✓ **Add Applications/Functionality**
 - ✓ Computerized Physician Order Entry
 - ✓ Automate ED documentation
 - ✓ Barcoding
 - ✓ Automate Surgery Systems
 - ✓ Employer-based solutions
- ✓ **Increase Consumer/MD Activity**
- ✓ **Target the Patient Experience**
- ✓ **Target Operational Efficiencies**
- ✓ **Work To Connect Public Health and Tertiary Partners**