

Sharp HealthCare Information Technology Strategy

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Sharp HealthCare







- Not-for-profit serving 3.2 million residents of San Diego County
- Grew from one hospital in 1955 to an integrated health care delivery system
 - 7 Hospitals, 2 Medical Groups, Health Plan
 - Integrated information technology systems
 - Centralized system support services
 - Largest health care system in San Diego with highest market share
- Largest private employer in San Diego
 - 17,000 employees, 2,600 affiliated physicians, 3,000 volunteers



Sharp HealthCare Strategic Priorities





The Healthcare Technology Curve

Industry Trend	Sharp HealthCare
Digital Healthcare	Mobility Strategy, Telehealth
Patient/Consumer Engagement	Patient Portal, Patient Self Service
Cloud Computing	Long Term Data Center Strategy
Focus on Data and Analytics – Data Driven Organization	Enterprise Analytics, Big Data and Data Governance
Implementation of Integrated information systems	Integration of Best of Suite Solutions



Sharp HealthCare IT Overview

- Cerner Millennium Acute EMR
 - Full EMR implementation across all Hospitals
 - Emergency Department, Pharmacy, Surgery, Radiology, Lab and other applications
- Allscripts Touchworks Ambulatory EMR
 - Sharp Rees Stealy (SRS) Foundation Medical Group On Premise for 550 providers
 - Sharp Community Medical Group (SCMG) IPA Dell Hosted with 200 Providers
- GE Centricity Registration and Revenue Cycle across all Hospitals and SRS
- Allscripts Practice Management at SCMG
- Cerner Millennium Ambulatory EMR Implementation
 - Hospital based outpatient Behavioral and other clinics implemented as first sites
 - SCMG IPA and SharpCare implementation underway
- Follow My Health Patient Portal with nearly 200,000 users
- Infor/Lawson Enterprise Resource Planning
 - General Ledger, AP, Materials, Payroll, HR
- Private HIE across Sharp using Allscripts dbMotion Platform
- Connection to San Diego Health Connect as San Diego Community HIE



IT Strategic Priorities





Sustain strong organizational and technology compliance and infrastructure

- ••Implement IT Risk Management program
- ••Execute long term data center strategy
- ••Maintain regulatory compliance
- ••Implement vendor and application portfolio management
- ••Support infrastructure and facility modernization
- ••Enhance IS staff development and retention
- ••Enhance communications, education and support for IT processes and application

Sustain

strong organizational performance

Long Term Data Center Strategy

- Look to get out of data center business
- Completed buildout of secondary data center and testing fail over of system
- Evaluating regional colocation providers as new primary data center
- Evaluating remote hosting of applications such as Cerner
- Evaluating movement to cloud
- Anticipate hybrid environment







Achieve top decile results though strong core clinical and financial systems

- ••Develop and implement communication and alerting technology
- Implement assistive technologies in support of HRO and high risk workflow
- ••Implement image life cycle management
- ••Implement advanced documentation systems
- ••Continue to optimize existing systems

Achieve top decile results

Clinician Communication





Leverage advanced technologies to support population health and integrated delivery system

- ••Implement population health solutions
- ••Evolve advanced analytics and big data
- ••Implement new technology to support Sharp Health Plan
- ••Implement enterprise data management and governance program

Leverage advanced technologies to support ...



Framework for IT-Enabled Population Management



Five Areas of Focus for Data & Analytics





Advance growth and capacity through innovative technology

- ••Support Oncology service line with IT plan including precision medicine
- ••Implement systems to enhance physician alignment
- Implement CRM strategy and technology
- ••Develop and implement digital strategy to engage consumers through enhanced services
- ••Expand technology solutions to improve access to Sharp services
- ••Promote a culture of innovation

Advance growth and capacity

Drivers for Mobility

- Improves efficiency with portable use
- Facilitates a more streamlined workflow for care transitions
- Extends real-time information to support personal lifestyles
- Helps retain and recruit tech savvy
 physicians, clinicians, leaders and staff
- Meets consumer expectations of market trends









Telehealth Drivers

- Improving access to services for consumers
- Extending highly skilled resources
- Extending Sharp services to more customers
- Supporting population health patient monitoring
- Improve efficiencies of staff
- Reduce cost of care
- Meets consumer expectations of market trends













