Greater Sierra Health Information Organization Vision

Presentation to Redwood MedNet

December 16, 2009

Project History

- **Funding History**
- **Scope of Service History**
- **Project Budget**
- **Vendor Selection**
- **Contracting**
- **Physician Office Funding Support**
- **Project Team Development**
- **Implementation**

Funding History

- SNMHF sought grants with support of SNMH Board and Sierra Nevada IPA
- Federal earmark (2008) - $331,692
- Pacificare/UnitedHealth private grant (2008) - $334,267
- Federal earmark (2009) - $94,050
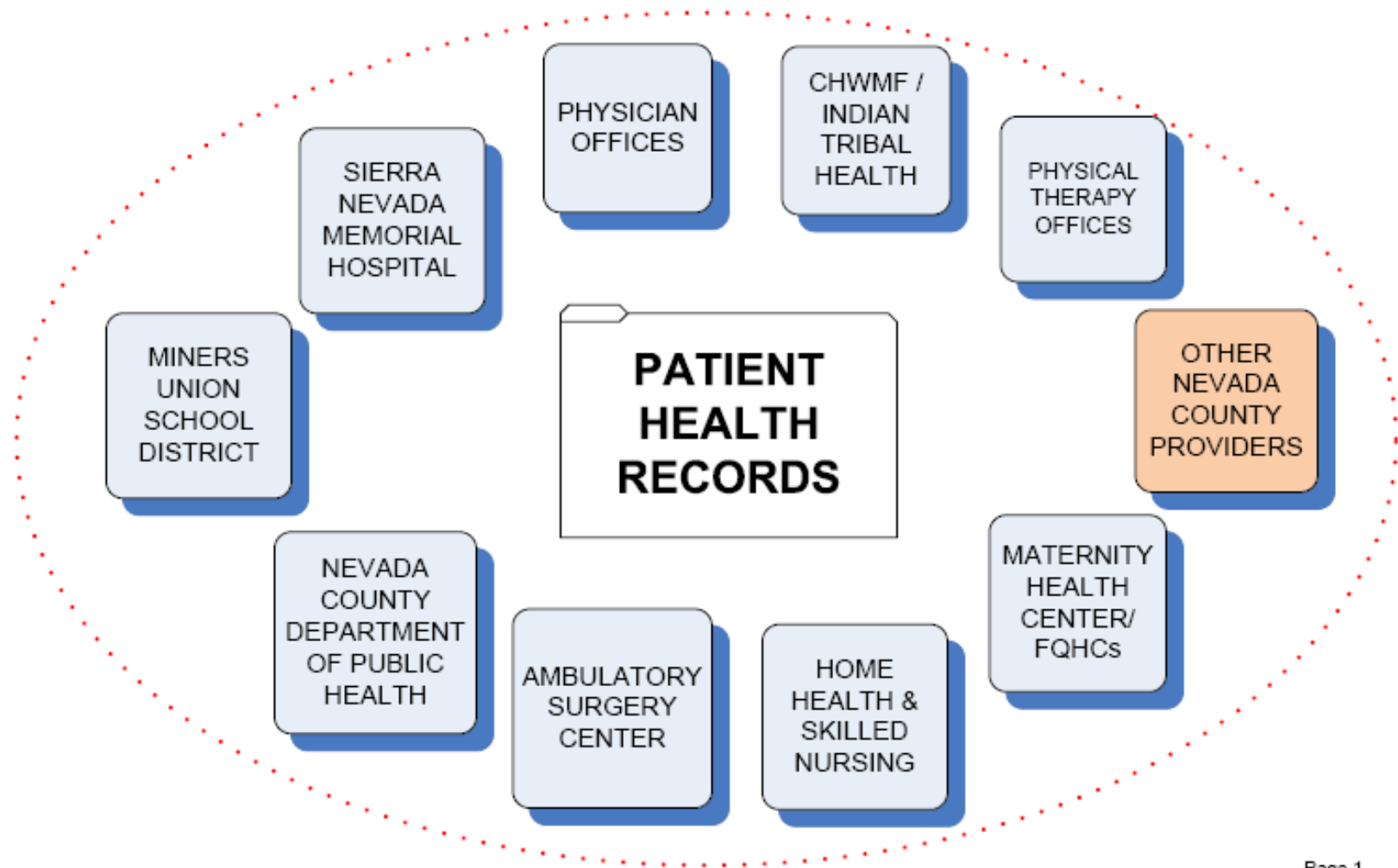
Original Project Scope

- 50 Providers, 30 Offices
- Partial Purchase of Licenses (85%)
- Build Interfaces for Hospital Laboratory & Diagnostic Imaging Reports
- Leverage CHW IT Infrastructure to Support Allscripts/MYSIS
- Provide 2 Years Laboratory Data Upon Go-Live

Current Project Scope

- Selection of eClinicalWorks → Provide Service as an ASP (Purchase Hardware)
- Provide Training & Pre-Implementation Services (Certified Trainers)
- Include All Nevada County

Nevada County – Entire Community

PATIENT HEALTH RECORDS

PHYSICIAN OFFICES

CHWMF / INDIAN TRIBAL HEALTH

PHYSICAL THERAPY OFFICES

SIERRA NEVADA MEMORIAL HOSPITAL

OTHER NEVADA COUNTY PROVIDERS

MINERS UNION SCHOOL DISTRICT

MATERNITY HEALTH CENTER/ FQHCs

NEVADA COUNTY DEPARTMENT OF PUBLIC HEALTH

AMBULATORY SURGERY CENTER

HOME HEALTH & SKILLED NURSING

Current Project Scope

- 80 Providers, 20-30 Offices
- Help Desk Support for Local Providers (Grass Valley, Nevada City)
- ASP Supporting 100-120 Providers

Current Project Plan

Greater Sierra Health Information Organization (GSHIO) Project Planning

1/09   1/10   1/11   1/12

7/08   6/12

PHASE I
- Obtain Grant Funding
- Steering Committee Formed (3/08)
- Vendor Selection by Community Providers (11/08)
- Hire Project Manager (9/08)

PHASE II
- Develop/Sign Contract with Vendor (1/09)
- Develop/Sign Physician Participation Agreements (2/09)
- Hire & Train Analyst/ Help Desk (3/09)
- Build Interfaces (4/09)
- Implement 5 offices (12 Providers)

PHASE III
- Implement 15 Offices (68 Providers)
- Incorporate Schools
- Planning for HIE

2008 Planning

PHASE I
- Obtain Grant Funding
- Steering Committee Formed (1/08)
- Vendor Selection by Community Providers (11/08)
- Hire Project Manager (9/08)

PHASE II
- CHW Capital Approval (5/09)
- Develop/Sign Contract with Vendor (10/09)
- Develop/Sign Physician Participation Agreement (10/09)
- Hire Add'l Staff (6/09)
- Train Staff (9/09)
- Hire Consultants (7/09)
- Build ASP (9/09)
- Establish Training Room (9/09)
- Implement 8 offices (25 Providers)

PHASE III
- Build Interfaces for Quest, Meditech, ELINCS (6/10)
- Implement 16 Offices (30 Providers)
- Planning & Implement HIE (eCW offices)
- Expansion to Eastern Nevada County

PHASE IV
- Implement 20 Offices (25 Providers)
- HIE for non-eCW offices
- Incorporate Schools
- Implement Public Health Surveillance
- Expansion to Other Counties

September, 2009 Planning

Vendor Selection – Contract(s) Development

- August – October, 2008
- Community Physician and Office Staff WebDemos Held: Allscripts/ eClinicalWorks (NextGen eliminated due to cost)
- October, 2008: onsite vendor demos held
- November, 2008: eClinicalWorks selected unanimously by Physicians (Guiding Principle: if physicians won't use it, it won't work)
- CHW Internal IT Review/Approval of eCW: March-May, 2009
- Contracting initiated June, 2009: CHW/eCW
- Contract signed: November, 2009
- Physician Participation Agreement Developed: October-December, 2009

GSHIO Budget Assumptions (80 providers, 20 offices)

- **License Purchase** (80 Providers): $340,000
- **Meditech data download** (2 years labs, rad): $40,000
- **SNMH Interface Build / Project Mgmt / Training**: $441,600
- **SNMH ASP:** $228,500
- **SNMH IT Staff:** $252,000
- **SNMH Staff Training:** $12,000 (Analyst, Engineer)
- **Physician Office Costs** (License purchase): $60,000

TOTAL: $1,374,100
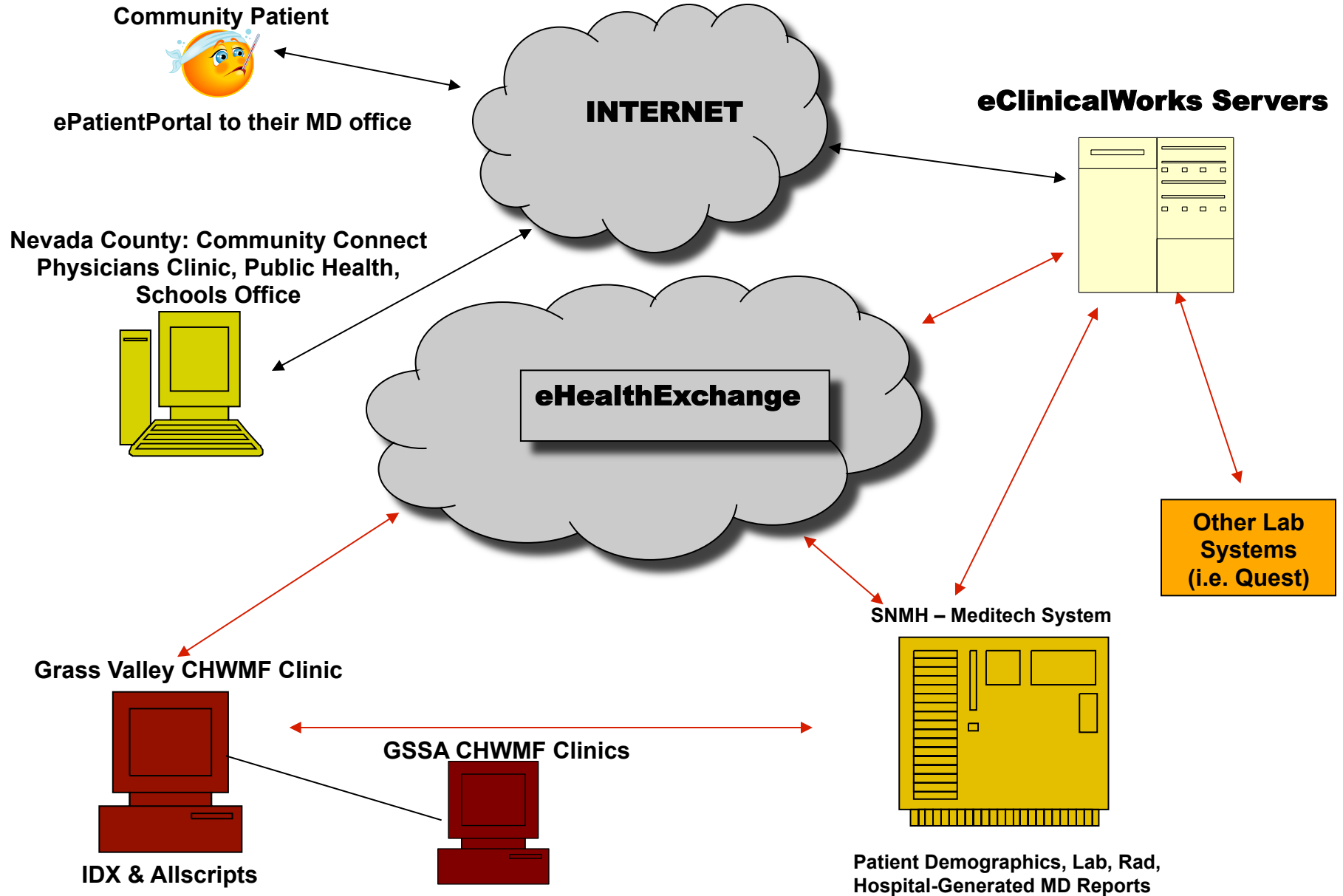
ASP Self-Supporting 2014

- 100 Providers
- SNMH Staff Salaries and ASP Operations

Product Purchase Requirements

- PM/EMR
- eRX (ePrescribe)
- eBO (Report Writing – Cognos report tool)
- eHX (Data Exchange)
- Patient Portal (internet connection for patients)

GSHIO Data Exchange

Community Patient

ePatientPortal to their MD office

INTERNET

eClinicalWorks Servers

Nevada County: Community Connect Physicians Clinic, Public Health, Schools Office

eHealthExchange

Other Lab Systems (i.e. Quest)

SNMH – Meditech System

Grass Valley CHWMF Clinic

GSSA CHWMF Clinics

IDX & Allscripts

Patient Demographics, Lab, Rad, Hospital-Generated MD Reports

Participant Requirements

- ASP Service Through GSHIO
- Timely License Payments to GSHIO
- Meet GSHIO Project Management Timelines
- Meet eClinicalWorks Project Management Timelines
- Commit to Staff Training (pre-implementation, post-implementation)
- Report Clinical Measures Data
- Submit Clinical and Financial Metrics Information for GSHIO Review

Physician Office Support Provided

- Office IT Assessment
- Pre-Implementation Clinical & Financial Metrics
- Office IT Purchase Support
- Office Workflow Assessment / Revision
- Training (in-office, online)
- Database Build
- Go-Live Training
- Post-Implementation Clinical & Financial Metrics
- Clinical Measures Reporting
- Data Exchange

Physician Funding Support

- ARRA Funds (2011-2014)
- Local Banks – Line of Credit Available
- GSHIO Leveraging Size for:
  - Clearinghouse Rate Reduction
  - Quest Lab Interface Cost Reduction
  - Local IT Vendor Support (non-eCW office related issues – monthly rate)

GSHIO Participating Provider Estimated Costs (w 85% by GSHIO)

Per Provider (including NP, PA)	Implementation (Year 1)	Annual
License	$750	$1500
ePrescribe / eHealthExchange / eBO (reports) / Quality Measures	$270	$650
Patient Portal	$250	$900
ASP Hosting by SNMH (includes training, server support)	$4368	$3168
Total	$5638	$6218

Steering Committee

Comprised of Members of SNMH Medical Staff, IPA Representative and Administrative Staff of SNMH
Mark Agness, MD – Chairman; Mike Andya, MD; Dan Bibelheimer, MD; Chris Claydon, MD; Jeff Frost, MD; Frank Lang, Jr, MD; Sharyn Turner, Coordinator of School Health Services Nevada County; Medical Director Nevada County Public Health Department (vacant); Carry Canady, SNMH CFO; Mark Freitas, SNMH IT/BUS Director; Margaret Leonard, EHR Project Manager and Margaret Metroka, SNMH IT Project Management/Data Security.

SNMH Administrative Team

Tina Frazier – System Analyst
Mark Freitas – Project Oversight
Margaret Leonard – Project Manager, PM & EHR Task Force Lead
Margaret Metroka – Technical Task Force Lead, Project Planner
Technical Support – to be determined

**Project Management
Task Force**
Billing/Collections
Scheduling
Training & Support

Chris Claydon, MD; Huy Nguyen DO; Trish Harner; Madonna Lang; Ellen Nightingale; Connie Nine; Debbie Cooke; Mary Whitmore and SNMH Admin Team.

EHR Task Force

System functionality
Data input devices
Training & Support

Mark Agness, MD; Dan Bibelheimer, MD; Susan Claydon; Neva Monagatti- Lake, MD; J Frank Lang, MD; John Mallery, MD; Jonathan Pierce, MD; Terry Werner, MD; Alan Wong, MD and SNMH Admin Team.**
** Adding members.

Technical Task Force

Infrastructure
Data Security & Privacy
Compliance
Interfaces
Training & Support

Dave Alfred, Cathy Clemo, Ray Lewis, and SNMH Admin Team. **
** Adding members

Project Team

- Mark Freitas – Director, IT and Business Services, Sierra Nevada Memorial Hospital (10%)

- Margaret Leonard – EHR Project Manager (100%)

- Jann Heringer-Nelson – Application Analyst/Trainer (PM/ EMR) (100%)

- HITCare Consultants – eCW Support (100%) 2009/10

- Application Analyst/Trainer (Billing) (100%) TBD

- Network Engineer (25%) TBD

Implementation Schedule – First Offices

(# Licenses) **EMR Data Migration** **PM Data Migration**	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Project Kick-Off / Pre-Implementation Work													
Claydon	xx	xx											
NCDPH (1)		xx	xx	xx									
Pierce (1)			xx	xx	xx								
Mallery (3)			xx	xx	xx								
Boyle (1)				xx	xx	xx							
Lattyak (1)									xx	xx	xx		
Lowe/Andya (2)					xx	xx	xx						

Contact Information

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