



San Diego Health Connect Overview for 14th Annual Healthcare Symposium

Dan Chavez

March 6, 2015



IT'S SAD... MY
PHARMACY LIST IS
LONGER THAN MY
GROCERY LIST.



www.uclick.com

STAHLER.
12/30

© 2011 Jeff Stahler/Dist. by Universal UClick for UFS

Health Information Exchange (HIE)



- A core element of healthcare reform that enables disparate healthcare organizations to share patient data securely
- Goal: To improve quality, safety, efficiency and cost effectiveness of health care through better access to clinical data.



“health information sharing moves at the speed of trust”

The Speed of Trust: The One Thing That Changes Everything
By Stephen Covey, Rebecca Merrill

San Diego Health Connect – What is it?



- Not-for-profit, public benefit organization
- Connectivity – secure, private network
- Health information exchange
- Portal access
- Secure messaging
- Interoperability
- 100% HIPAA compliant – no greys

Trusted Exchange



- Know your conversation is not overheard
- Know how the information will be used
- Know who you are talking to
- Know who you are talking about
- Know you have permission to speak

HIE Guiding Principles

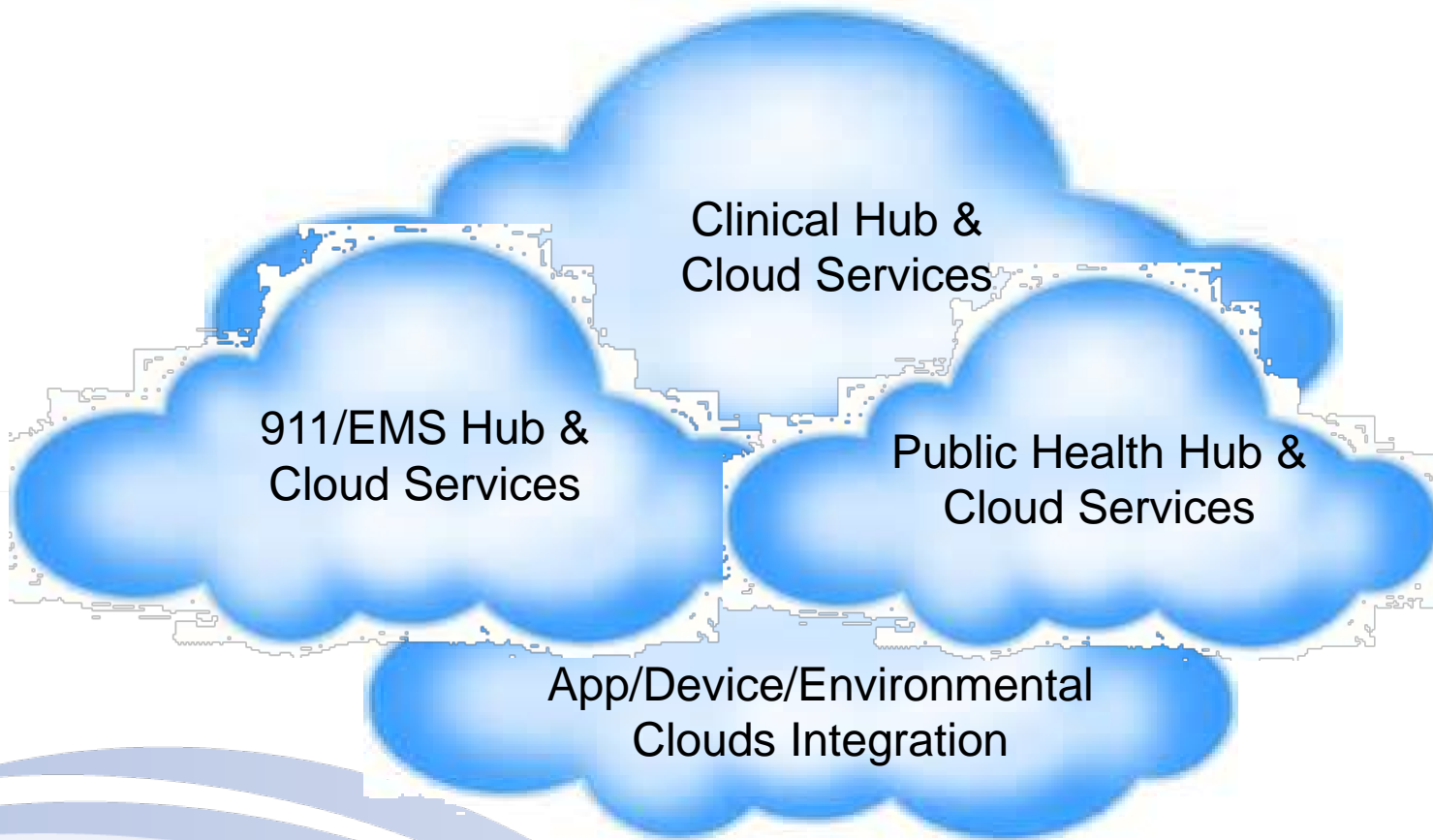


- Build upon the existing health IT infrastructure
- One size does not fit all
- Empower individuals
- Leverage the market
- Simplify and Maintain modularity
- Consider the current environment and support multiple levels of advancement
- Focus on value
- Protect privacy and security in all aspects of exchange

Connecting San Diego Healthcare



San Diego Health Connect Architecture



San Diego Health Connect Suite of Services



- Clinical Cloud
 - Query/response Exchange
 - Healthway (National) Exchange
 - Direct Exchange
 - Patient Mediated Exchange
 - Meaningful Use Support
 - Alert Notifications
 - Import Medical Device and Application Data

San Diego Health Connect Suite of Services



- 911/EMS
 - Pre-hospital Record, ECG, & Images
 - Search Capability into the HIE
 - Case Management
 - 911 Analytics
- Public Health Optimization
 - Immunization, Electronic Lab Reporting
 - Syndromic Surveillance
 - Alert Notifications
 - Meaningful Use Support

San Diego Health Connect Suite of Services



- App/Device/Environmental Clouds Integration
 - Geneva Healthcare – Cardiac monitoring
 - Propeller Health - Asthma and COPD monitoring
 - Humetrix – BlueButton and ICE BlueButton
 - No More Clipboard – PHR
 - Microsoft HealthVault - PHR

SYNDROMIC SURVEILLANCE



Existing Capacity	Data through HIE & MU
Flat files	HL7 Messages
Once a day file	Near real time
Minimal standardization	Maximum standards
Minimal fields	Robust information
Limited hospitals	Full hospital representation
Emergency department only	ED, Inpatient, urgent care and some outpatient
Limited context for follow-up and response	More effective context for follow-up and response

ELECTRONIC LAB REPORTING (ELR)



Existing Capacity	Data through HIE & MU
No local hospital interfaces	Full hospital representation
HL7 messages – older versions	HL7 messages – current version
Minimal standardization	Maximum standards
Minimal fields	Robust information
Paper reports manually entered ~60% Epi 100% STD and TB	<ul style="list-style-type: none">• Substantial decrease in manual data entry• Increased data accuracy and completeness• Improved capacity to identify and prevent spread of disease

Collective Challenges



- Patient identification
- Provider identification
- Consent management
- Interface management
- Sensitive data
- Provider Directory
- Meaningful Use

HIE, the Healthcare Information Utility

A Platform For:



- Sharing health information
- Secure messaging and alerts
- Care coordination
- Collaboration
- Hosting shared applications
- Population health management
- Chronic disease management

Challenges to Change Aren't New...



“That it will ever come into general use, notwithstanding its value, is extremely doubtful because its beneficial application requires much time and gives a good bit of trouble, both to the patient and to the practitioner because its hue and character are foreign and opposed to all our habits and associations.”

The London Times, 1834

By way of Dr. Jeremy Nobel

Harvard School of Public Health

Summary



- It is a journey
- Have the proper perspective and expectation
- Start today
- Iterate often
- Communicate, collaborate and stay committed



“Better is possible. It does not take genius. It takes diligence. It takes moral clarity. It takes ingenuity. And above all, it takes a willingness to try.”

Atul Gawande

Questions?



Contact



Dan Chavez

Executive Director

San Diego Health Connect

619.573.4445

dchavez@sdhealthconnect.org

