

# TFA in a Multi-Stakeholder HIE

2 HIE Experiences

Bill Beighe



# Two Factor Authentication

- Remote Access to Systems containing PHI
- eRx for Controlled Substances
  - NIST Level 3
    - Must do 2 of the three below
    - Something you know (ID & Password)
    - Something you have (ATM Card, Token, Device)
    - Something you are (fingerprint, iris)

# Future of HC Security ?



Is this A Typical Users Future?



# Anakam Two Factor Using a Cell Phone



# The Authentication Challenge

## Authentication Challenge

You have attempted to access a secure site from an unregistered computer. To complete the login process, please enter the security information below.

All fields are required. Fields are not case sensitive. [Help](#)

A one-time pass code has been sent to your mobile phone (XXX-XXX-4951) using an SMS text message. Please retrieve the pass code and enter it below.

Pass Code:

[Having trouble receiving the Pass code?](#)

Check this box if you trust this computer and want to register the computer for future account access. [What does this mean?](#)

- Select Duration -   
- Select Duration -  
Eight Hours  
Twelve Hours  
One Day  
Two Days  
One Week  
Two Weeks  
One Month

## 2 HIE's Different Approaches

- HealthLink – Buffalo
  - “Community Portal”
  - Login and TFA
  - SAML Assertion to protected system(s)
  - SSO Experience
- Santa Cruz HIE
  - Hybrid Federated Model
  - Login to TFA in 1 system
  - “Connector” keeps user TFA status in sync

# Summary

- Both in Pilot with 2 different HC systems
- Working through “Trusted Sites” Privacy and Security Governance Issues
- Early work and planning with vendors on eRx TFA for controlled substances support
- Bill Beighe [bbeighe@pmsgcc.com](mailto:bbeighe@pmsgcc.com)