

TFA in a Multi-Stakeholder HIE

2 HIE Experiences

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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
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