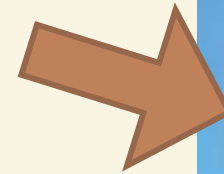




Sharing Behavioral Health Data over an HIE: Lessons Learned from a SAMHSA Grantee October 4, 2016


Housekeeping

- Webinar being recorded
- All lines muted
- Send questions using “Questions” box in control panel
- Q&A session at the end



Webinar Objectives

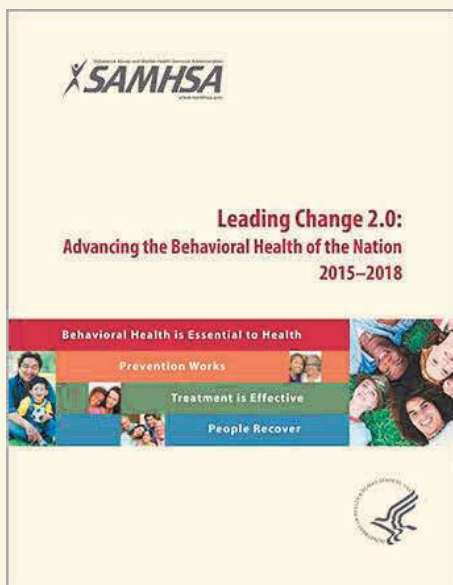


- Explore the history of SAMHSA's Opioid Treatment Program Service Continuity Project (OTP SCP)
 - Spotlight OTP SCP II, focusing on successes, challenges, and lessons learned
 - Introduce resources for others looking to share health information in compliance with 42 CFR Part 2
- 

SAMHSA's Commitment to Health IT

The goals of Strategic Initiative #5 are to:

- Promote the development of technologies and standards to enable interoperable exchange of behavioral health data while supporting privacy, security, and confidentiality
- Promote the adoption of electronic health records (EHRs) and other health IT tools with behavioral health functionality
- Enhance the capacity for the secure collection and use of data in EHRs and other technologies by continuing to develop behavioral health national data standards
- Promote the broad dissemination of technologies for improving behavioral health care



Substance Abuse and Mental Health Services Administration, *Leading Change 2.0: Advancing the Behavioral Health of the Nation 2015-2018*. HHS Publication No. (PEP) 14-LEADCHANGE2. Rockville, MD: Substance Abuse and Mental Health Services Administration, 2014.

The Need for Consent Management

- Patient empowerment
- Natural disasters
- Non-emergency office closures
- Patient travel
- Patient incarceration
- Limited organizational resources



SAMHSA and Consent2Share




- Tool for consent management and data segmentation that is designed to integrate within existing electronic health record (EHR) and Health Information Exchange (HIE) systems
- Open source code will be available for download



Poll Question

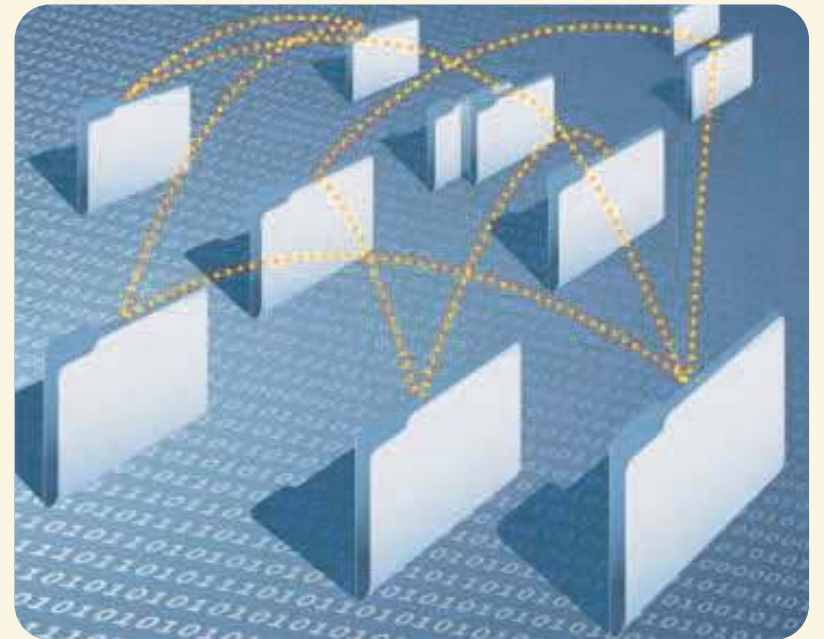


How far has your organization come in implementing electronic consent management?

- We will not be implementing electronic consent.
 - We recognize the need, but are not quite there yet.
 - We are in the middle of implementation.
 - We have an electronic consent management system.
- 


Opioid Treatment Program Service Continuity Project I

Outcome: Successfully developed a patient consent-driven process for OTPs to send and query Continuity of Care Documents (CCDs) using an HIE's clinical exchange platform in compliance with 42 CFR Part 2



Changes Introduced in OTP SCP II



- Awardee would use Consent2Share as their consent management technology.
 - Included new use case for non-emergency service disruption.
 - Increased the number of OTPs to be connected from 2 to at least 4.
 - Applicants needed to address an existing need to share information among OTPs.
 - Awardee technology partners were not required to have current capability to produce/process CCDs, but must develop this capability during the project.
 - Project had to include direct patient engagement.
- 

Project Team Presenters




Melissa Kotrys, MPH
Chief Executive Officer
Arizona Health-e Connection



Mike Mote
Chief Information Officer
Arizona Health-e Connection

Who We Are & Why We Applied



- AzHeC operates The Network, Arizona's statewide HIE
 - Sole HIE recipient of this grant opportunity
 - Alignment with current initiatives; in process of integrating behavioral health information in the HIE
 - Many EHRs are unable to adequately segment 42 CFR Part 2 protected data
 - Current need for information sharing between OTPs outside of standard clinic hours
- 


OTP SCP II Team

- **Arizona Health-e Connection** (AzHeC) led the project and runs the HIE
- **Valle del Sol** and **Southwest Behavioral & Health Services** operate community clinics that provide opioid treatment
- **Maricopa County Correction Health Services** provides opioid treatment within the jails; two jail sites (4th Avenue and Estrella) participated
- **Zen Healthcare IT** provided technical support for the Mirth HIE platform




Goals of OTP SCP II



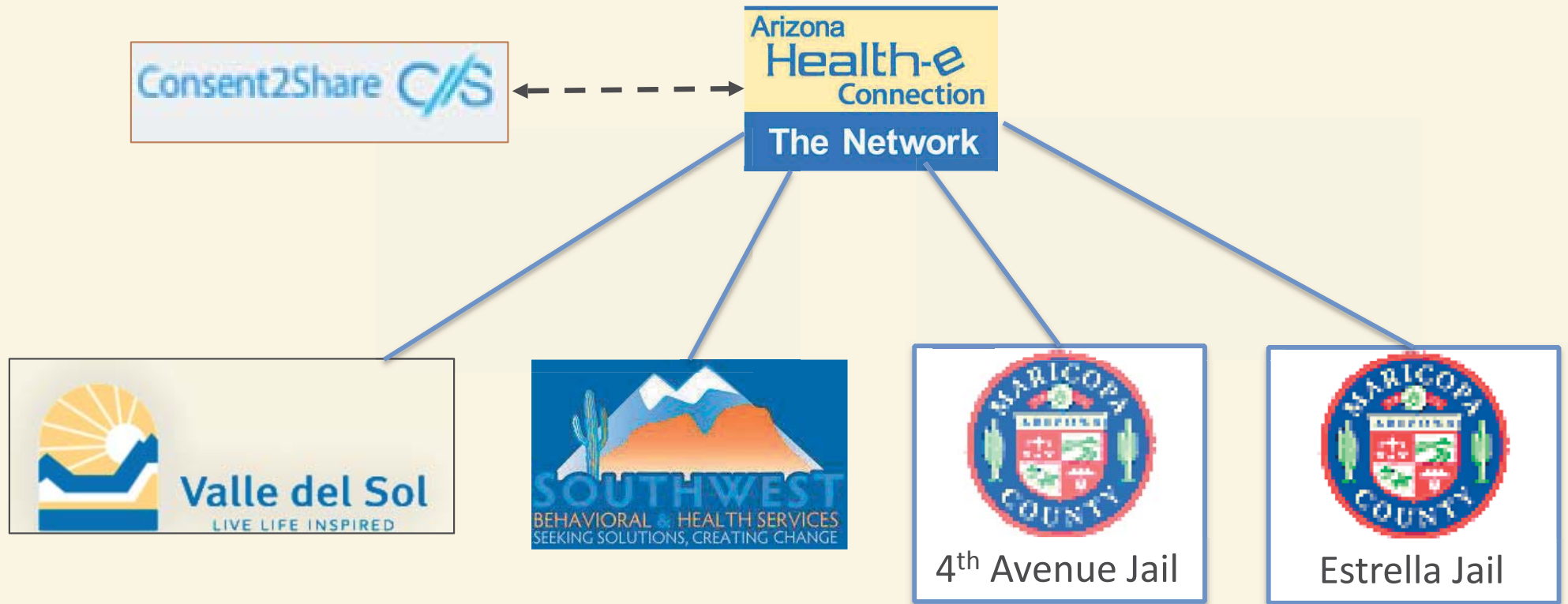
1. Demonstrate the capability of connecting with multiple EHRs from at least four OTP provider sites by completing the one-way interfaces from OTP EHRs to HIE in a test environment
 2. Demonstrate that one of the OTP sites can serve as a dosing site when the other site(s) are unavailable through the use of the HIE's online secure portal in a test environment
 3. Demonstrate how an electronic consent process can manage the sharing of data based on client selected privacy preferences, by the HIE obtaining the patient consent preferences from Consent2Share (C2S) and delivering the appropriate patient information in a test environment
- 

Getting Started



- Reviewed current policies & procedures of participating OTP sites
 - Reviewed the outcomes of OTP SCP I
 - Technical workgroups
 - Development of technical solutions
 - Development of supporting policies & procedures
 - Development of education materials
 - Demonstration of solution (proof of concept)
- 

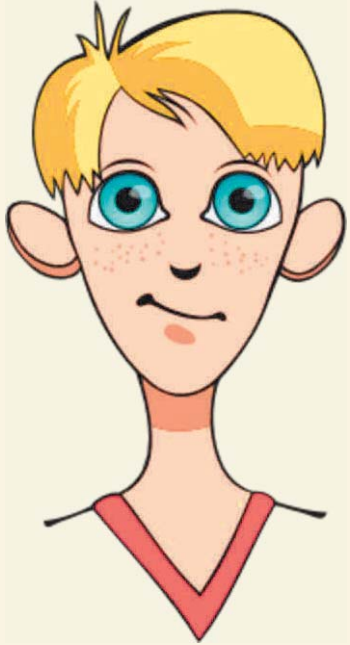
Technical Solution Overview



Systems Being Used

OTP Clinics	EHR System	Code Sets
Maricopa County Correctional Health Services	Techcare	C2S standard set plus MediSpan
Southwest Behavioral & Health Services	HIMS	C2S standard set
Valle del Sol	NextGen	C2S standard set
HIE	HIE System	
The Network (AzHeC)	Mirth	

Proof of Concept Scenario



Cody has decided to seek treatment for an opioid addiction.

Cody resides in Arizona and this is his first time seeking opioid treatment.



Scenario: Visit to First Opioid Treatment Program

Cody goes through the intake process at Valle del Sol, which includes:

- Getting registered in their EHR
- Receiving the *Arizona Notice of Health Information Organization (HIO) Practices* and understanding his rights to opt out
- Learning about his rights under 42 CFR Part 2 and on Consent2Share



Scenario: Registration in Consent2Share

Admin at OTP clinic registers Cody in C2S

“Create Patient” selected

Information needed: patient name, email address, gender, and date of birth



Name	DOB	Gender
cody optestsx	08/12/1975	M
Timothy Morningfast	08/01/2016	M
johnny todddddy	08/16/1975	M
fred jones	10/19/1955	M
johnny zzzzddy	08/03/1976	M

Cody is now registered in C2S

Scenario: Cody's use of Consent2Share

After verifying his account information, Cody sets up a new consent in C2S

The screenshot displays the Consent2Share (C2S) web application interface. On the left is a dark blue sidebar with a user profile icon and a list of navigation links: Home, Consents, Providers, Medical Information, Security Settings, and Account Information. The main content area is white and shows the 'I, cody opttestsix, hereby authorize...' screen. This screen is divided into several sections: 1. 'The following individual or organization(s):' with a dropdown menu showing 'ARIZONA HEALTH EDUCATION' and a right-pointing arrow. 2. 'To provide the information:' with a dropdown menu showing 'ARIZONA HEALTH EDUCATION HEALTH SERVICE'. 3. 'Medical Information' section with a toggle switch for 'Share my medical information' set to 'ON' and a 'SHARE ALL information about medical records' button. 4. 'Purpose of Use' section with a dropdown menu set to 'SHARE my medical records ONLY for the research purposes of work' and a 'Share' button. 5. 'Consent Term' section with a 'Consent Expires' date of '10/10/2016' and a 'Consent Ends' date of '08/10/2017'.

I, cody opttestsix, hereby authorize...

The following individual or organization(s):
ARIZONA HEALTH EDUCATION

To provide the information:
ARIZONA HEALTH EDUCATION HEALTH SERVICE

Medical Information

Share my medical information:
SHARE ALL information about medical records
SHARE my medical records WITH EXCEPTION of specific information

Purpose of Use

Share for what purpose you medical information may be used:
SHARE my medical records ONLY for the research purposes of work

Consent Term

Consent Expires: 10/10/2016 Consent Ends: 08/10/2017

Cody designates who (HIE) is authorized to provide the information and to whom (Valle del Sol)

Cody indicates what information can be shared

Cody selects purpose for sharing information

Cody identifies term of the consent (default is one year)

Scenario: OTP Clinic #1 logs in to HIE Portal

Provider at Valle del Sol logs in to secure HIE portal

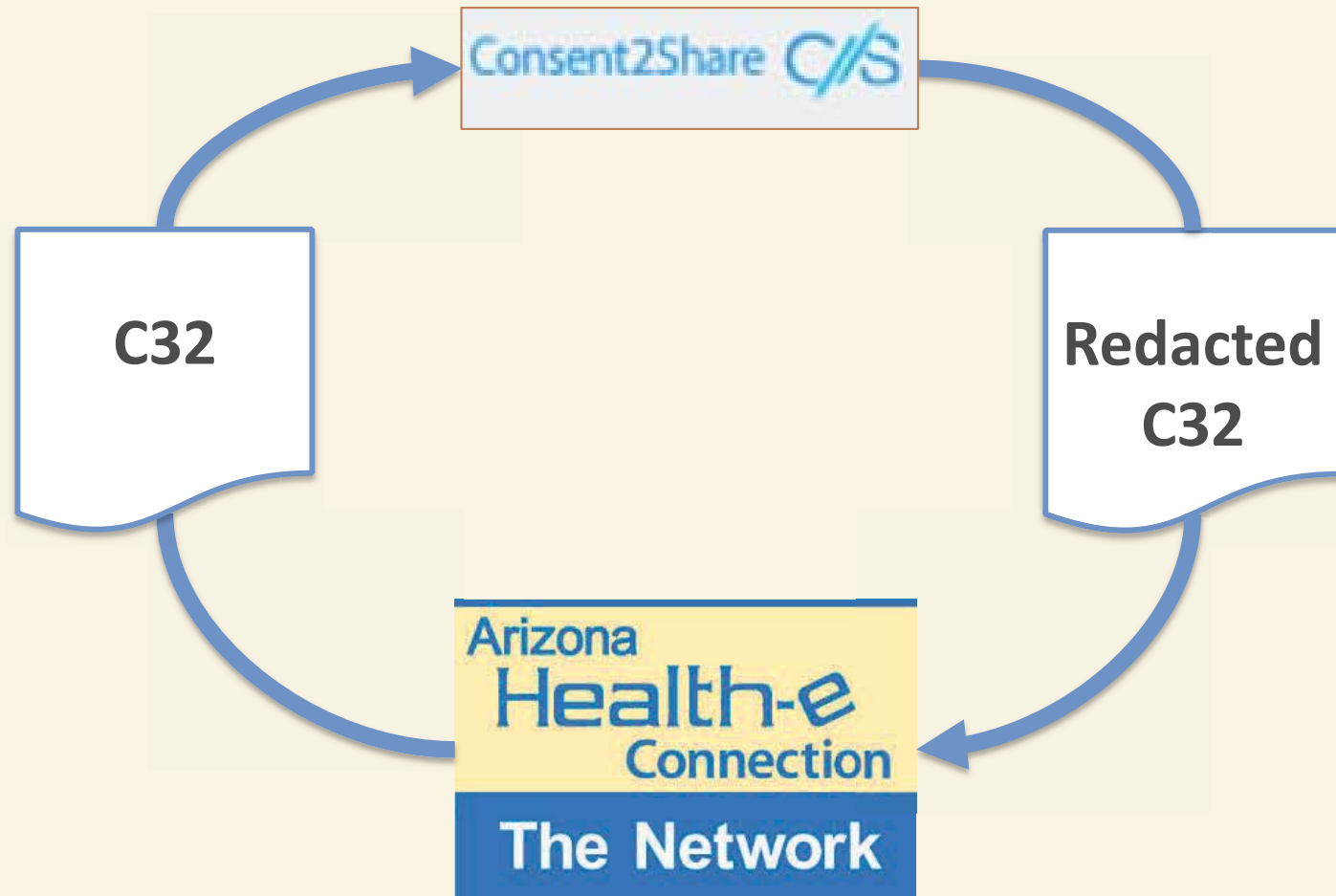
After looking up the patient and viewing his summary information, the provider selects that they want to view the OTP data



Scenario: Technical Process

The HIE sends an aggregated C32 to C2S

C2S applies the consent permissions to the C32 and returns it to the HIE



Scenario: Data viewed in HIE Portal

The screenshot displays the Mirth Results HIE Portal interface. At the top, the 'mirthresults' logo is on the left, and the user 'mary williams' is logged in on the right. Below the logo, there are tabs for 'My Results' and 'Patients', with 'Patients' being the active tab. The patient's name 'Opttestsix, Cody' is shown, along with their gender 'Male', birth date '08/12/1975 (41 yrs)', and community ID '(Community ID:2975123)'. The address '123 Main St., Marietta, GA 33222' is also listed. A sidebar on the left contains 'Patient Actions' such as 'Back to List', 'Download CCD', 'Download CCDA CCD', 'Download Summary PDF', 'Share Summary', 'Send Summary to Me', 'View Clinical Messages', and 'Configure Layout'. The main content area has tabs for 'Summary', 'More Patient Information', and 'OTP Data'. The 'Summary' tab is active, showing a 'Table of Contents' with links to '***PLEASE READ PROHIBITION ON RE-DISCLOSURE***', 'Allergies', and 'Diagnostic Results'. Below these links, there are sections for 'Allergies' and 'Diagnostic Results', both indicating 'No information'. A disclaimer is also present, stating that the information is disclosed from records protected by federal confidentiality rules and that further disclosure is prohibited without written consent.

Mirth Results

mary williams

Opioid Treatment Physical Health
mary williams | Change Site | Shared

My Results Patients

Patient » Opttestsix, Cody

Patient Actions

- Back to List
- Download CCD
- Download CCDA CCD
- Download Summary PDF
- Share Summary
- Send Summary to Me
- View Clinical Messages
- Configure Layout

Opttestsix, Cody Male 08/12/1975 (41 yrs) (Community ID:2975123)
123 Main St., Marietta, GA 33222

Summary More Patient Information OTP Data

Opioid Treatment Consent 2 Share Test Patients

Contact info

Table of Contents

- [***PLEASE READ PROHIBITION ON RE-DISCLOSURE***](#)
- [Allergies](#)
- [Diagnostic Results](#)

PLEASE READ PROHIBITION ON RE-DISCLOSURE

"This information has been disclosed to you from records protected by Federal confidentiality rules (42 CFR part 2). The Federal rules prohibit you from making any further disclosure of this information unless further disclosure is expressly permitted by the written consent of the person to whom it pertains or as otherwise permitted by 42 CFR part 2. A general authorization for the release of medical or other information is NOT sufficient for this purpose. The Federal rules restrict any use of the information to criminally investigate or prosecute any alcohol or drug abuse patient."
(42 C.F.R. § 2.32)

Allergies

No information

Diagnostic Results

No information

results

Copyright © 2016 Mirth Corporation. All rights reserved. | Mirth Results | 08/18/2016 15:31:23PM MST

About

Scenario: Visit to Opioid Treatment Program #2

Unfortunately, Cody is arrested and taken to the 4th Avenue Jail. To receive treatment, he goes through their intake process, which again includes:

- Getting registered in their EHR
- Receiving the *Arizona Notice of Health Information Organization (HIO) Practices*, although he no longer has the right to opt out
- Learning about his rights under 42 CFR Part 2 and on Consent2Share



Scenario: Cody's use of Consent2Share

Cody is assisted as he logs in to C2S to provide consent for the 4th Avenue Jail to view his OTP information in the HIE portal

cody optestsk

- Home
- Consent
- Providers
- Medical Documents
- Activity History
- Health Information

Consent to Share My Medical Information

Consent Reference Number:
CENDEMO-PPWVNS-BT-S-E-1-A-1-21327-15-25-20MS/QG-TTTTTTTT-TTTTTTTTTT-VHCAMS

Patient Name: cody optestsk Patient DOB: 06/12/1975

AUTHORIZATION TO DISCLOSE

Authorizer:				
Provider Name:	NPI Number:	Address:	Phone:	
ARIZONA HEALTH-E CONNECTION	1111169999	9477 N 7TH ST, PHOENIX, AZ, 85014		

To disclose to:				
Provider Name:	NPI Number:	Address:	Phone:	
MARICOPA COUNTY CORRECTIONAL HEALTH SERVICES	1111111111	FOURTH AVENUE JAIL, PHOENIX, AZ, 85069		

HEALTH INFORMATION TO BE DISCLOSED

To SHARE the following medical information:

Sensitivity Categories:

- Drug use information
- Alcohol use and Alcoholism Information
- Mental health information
- Sexuality and reproductive health information
- HIV/AIDS information
- Communicable disease information
- Addiction information
- Genetic disease information

To SHARE for the following purpose(s):

- HealthCare Treatment

CONSENT TERMS

I, **cody optestsk**, understand that my records are protected under the federal regulations governing Confidentiality of Alcohol and Drug Abuse Patient Records, 42 CFR part 2, and cannot be disclosed without my written permission or as otherwise permitted by law. I also understand that I may revoke this consent at any time except to the extent that action has been taken in reliance on it, and that my consent expires automatically as follows:

Effective Date: 06/12/2016 Expiration Date: 06/18/2017

☐ I, **cody optestsk**, hereby accept, and understand the terms of this patient.

Scenario: OTP Clinic #2 logs in to HIE Portal

A Maricopa County Correctional Health Services provider at the 4th Avenue Jail logs in to secure HIE portal

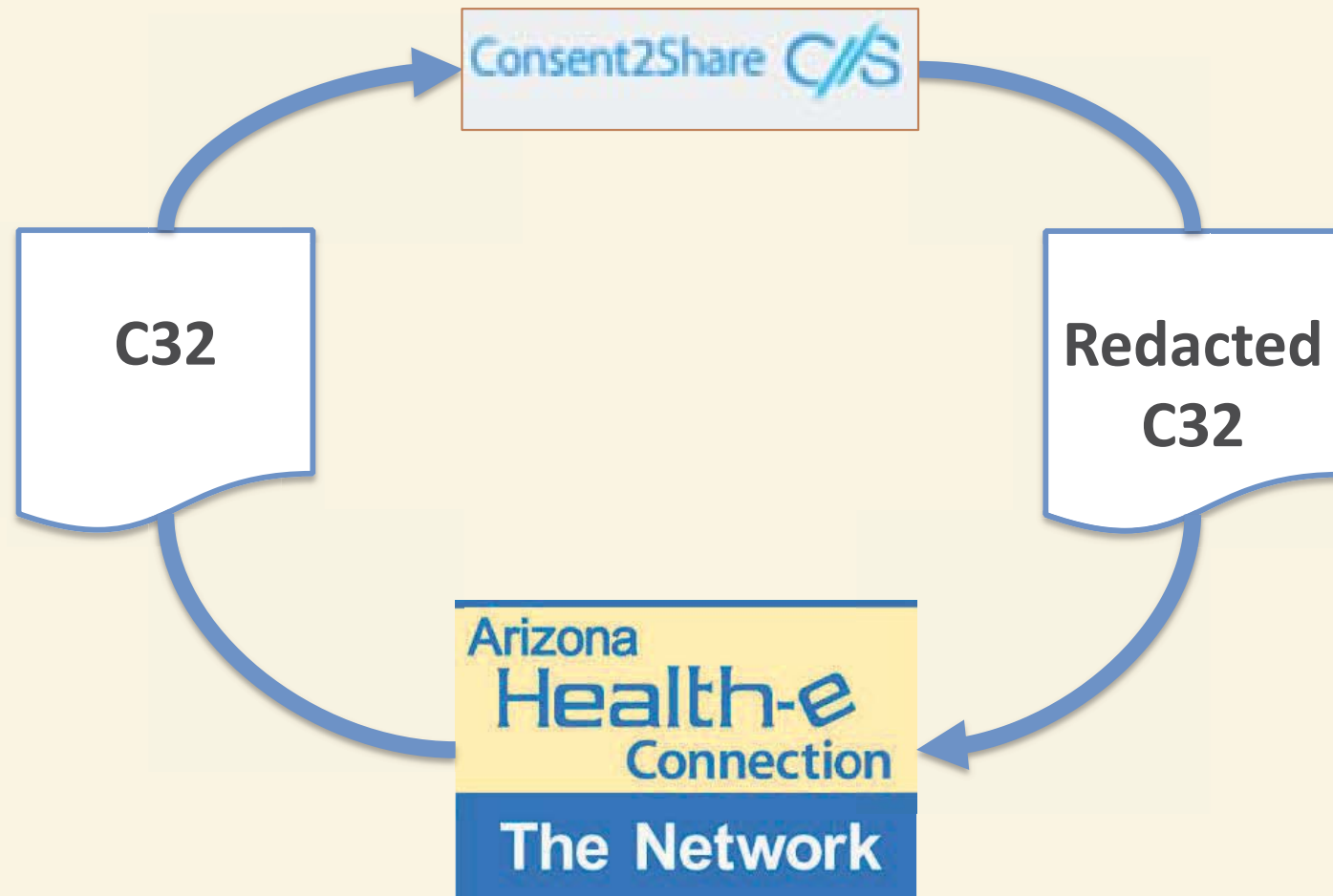
After looking up the patient and viewing his summary information, the provider selects that they want to view the OTP data



Scenario: Technical Process

The HIE sends an aggregated C32 to C2S

C2S applies the consent permissions to the C32 and returns it to the HIE



Scenario: Data viewed in HIE Portal

Maricopa County Correctional Health Services is able to view the OTP data in the HIE portal

Mirth Results

ann wilson (ann.wilson) ~ Sign Out

Opioid Treatment Physical Health
ann wilson | Change Site | Shared

My Results Patients

Patient » Opttestsix, Cody

Patient Actions

- Back to List
- Download CCD
- Download CCDA CCD
- Download Summary PDF
- Share Summary
- Send Summary to Me
- View Clinical Messages
- Configure Layout

Opttestsix, Cody Male 08/12/1975 (41 yrs) (Community ID:2975123)
123 Main St., Marietta, GA 33222

Summary More Patient Information **OTP Data**

Table of Contents

- ***PLEASE READ PROHIBITION ON RE-DISCLOSURE*****
- [Medications](#)
- [Problems, Conditions, and Diagnoses](#)
- [Surgeries/Procedures](#)
- [Vital Signs](#)
- [Allergies](#)
- [Diagnostic Results](#)

*****PLEASE READ PROHIBITION ON RE-DISCLOSURE*****

"This information has been disclosed to you from records protected by Federal confidentiality rules (42 CFR part 2). Federal rules prohibit you from making any further disclosure of this information unless further disclosure is expressly permitted by the written consent of the person to whom it pertains or as otherwise permitted by 42 CFR part 2. A general authorization for the release of medical or other information is NOT sufficient for this purpose. The Federal rules restrict any use of the information to criminally investigate or prosecute any alcohol or drug abuse patient."
(42 C.F.R., § 2.32)

Medications

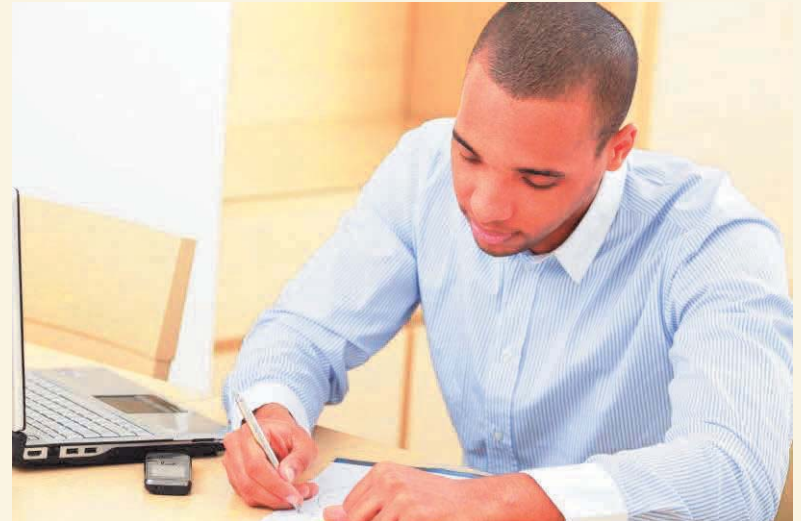
Medication	Brand Name	Start Date	Product Form	Dose	Route	Administrative Instructions	Pharmacy Instructions	Status	Indications	Reaction	Data Source(s)
LAAM (methadone)		08/01/2016 12:00:00 AM MST		25 mg							Valle Del Sol
Klonopin		08/01/2016 12:00:00 AM MST		20 mg							Valle Del Sol

Problems, Conditions, and Diagnoses

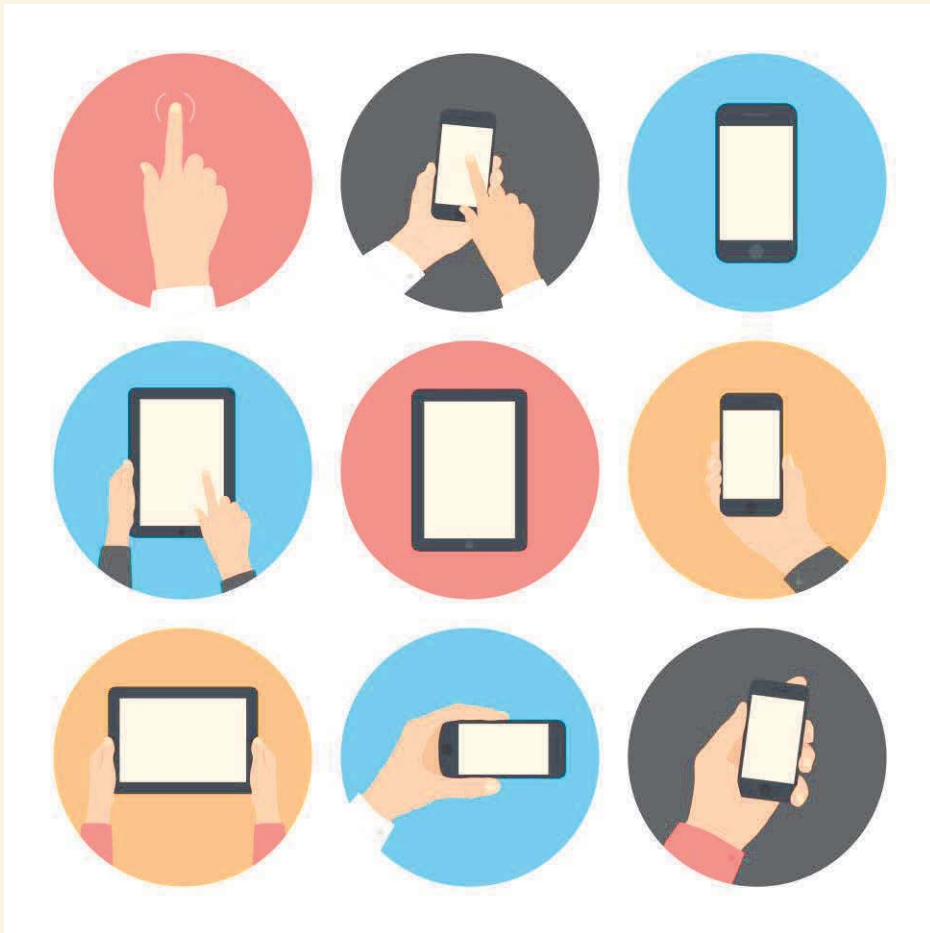
Code	Display Name	Description	Problem Type	Effective Dates	Data Source(s)
------	--------------	-------------	--------------	-----------------	----------------

OTP SCP II Successes

- Proof of concept proved to be successful!
- Consent2Share worked
- Sharing of OTP information in the HIE Portal was possible
- OTPs were excited and engaged
- Many lessons were learned




OTP SCP II Challenges



- Using data from different EHR systems and settings
- Building interfaces between the EHR systems and the HIE
- Creating materials that are appropriate for the patient population
- Accommodating patient access
- Dedicating OTP technical and staffing resources

OTP SCP II Lessons Learned



- Patient information sharing using C2S in compliance with 42 CFR Part 2 is possible
 - The behavioral health field is very interested in sharing information electronically
 - Stakeholder buy-in is necessary
 - Special consideration is needed for populations who don't have computer/internet access
 - Ongoing review of value sets is necessary
- 

What's Next?




Questions and Answers



Poll Question



How interested is your organization in implementing Consent2Share?

- Very interested
 - Need to learn more first
 - Not interested
 - We already have electronic consent management functionality
- 

Want to Learn More?



- Visit the SAMHSA website at www.samhsa.gov
www.samhsa.gov/health-information-technology
- Contact the SAMHSA Health IT team at samhsa.hit@samhsa.hhs.gov
- Visit the AzHeC website at www.azhec.org
- Contact AzHeC at info@azhec.org

Thanks!

