Establishing and Building Statewide Crisis Service/Bed Registries: Three Different Models for Success

The FY 2019 Transformation Transfer Initiative (TTI) States of Rhode Island, North Carolina, and New Mexico



Disclaimer

 This webinar was developed [in part] under contract number HHSS283201200021I/HHS28342003T from the Substance Abuse and Mental Health Services Administration (SAMHSA), U.S. Department of Health and Human Services (HHS). The views, policies and opinions expressed are those of the authors and do not necessarily reflect those of SAMHSA or HHS.



Introduction

In this webinar, the FY2019 TTI states of Rhode Island, North Carolina, and New Mexico will showcase their bed registry efforts, each using a different model for success.

The three models for bed registries used by the FY2019 TTI recipients are:

- 1) search engine system,
- 2) referral system, and
- 3) referral network



Webinar Goals

Rhode Island, North Carolina, and New Mexico will use their experiences to educate the viewers, especially those looking to build a bed registry, of the different key mechanisms of the three main models of bed registries. As participants seek to begin this process, we hope this information will help them to decide which model is best for their system.

Rhode Island will explain its use of the search engine system, in which a platform refines searches by different terms relevant to patient placement, allowing providers to call the appropriate center.

North Carolina will discuss the referral system, in which professionals make an assessment and then refer the patient to a hospital or crisis center.

Finally, New Mexico will describe the referral network system. This model operates as a bi-directional referral system that refers patients to hospitals and allows hospitals to refer patients to other treatment centers. Each state will discuss how their model works and highlight unique and helpful features.



Rhode Island's Behavioral Health Open Beds Website

ribhopenbeds.org

Olivia King
Behavioral Health IT Coordinator
Rhode Island Department of Behavioral Healthcare,
Developmental Disabilities, and Hospitals (BHDDH)



Community Needs



Due to COVID-19 safety concerns, not always appropriate to refer to emergency departments



State Needs

 State desire to monitor flow in and out of licensed treatment providers (admit vs. discharge)

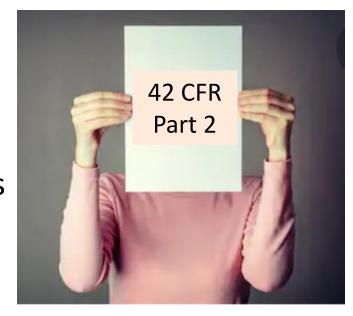


- BHDDH operates the state hospital that provides inpatient forensic and civil psychiatry services
- State need to track
 patients boarding in an
 emergency department
 for an extended period of
 time as they await an
 inpatient bed



State Needs

- State and federal desire to understand existing and needed capacity for BH treatment services
 - How COVID-19 has impacted access and utilization
 - By population, by service, and characteristics of those with an extended length of time waiting
- Providers reluctant to share identified behavioral health information, even when allowable under state and federal privacy laws such as 42 CFR part 2





Rhode Island Context

Background

- Over the years, multiple requests by providers for BHDDH to assist with patients waiting in hospital EDs, and to capture daily "bed census data" and overall bed capacity
- Data quality proved a significant challenge
- BHDDH has started and stopped this project over the years due to concerns about data quality

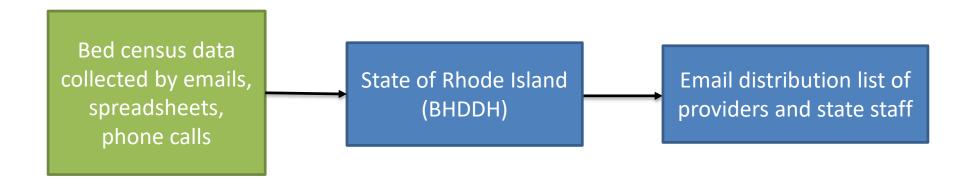
Policy Environment

RIGL § 23-17.26-3 (2017)
 called on BHDDH to develop public real-time availability database for substance use treatment and recovery services





Old Process



Limitations

- Significant reporting burden both for providers & state staff
- Frequently non-compliant (missing data)
- Limited in scope only covered inpatient psychiatric units, detoxification beds, and community-based mental health crisis stabilization units
- Not public or transparent



Funding



- NASMHPD's Transformation Transfer Initiative (TTI) was an exciting opportunity to modernize our process
- We leveraged existing resources to complete the project within our award budget (\$150,000)
- Contracted with the state's designated Health Information Exchange (HIE) vendor, Rhode Island Quality Institute (RIQI)



Strategic Approach

- Aim to improve and replace existing process
- Builds on established partnerships with HIE
- Leverages existing technology and groundwork under prior projects, including hospital/HIE data feeds, to create automated data reporting rather than staff data entry



Strategic Approach

- Wanted it to be a public resource (website) and as real-time as possible
- Needed to include blocked beds
 - Beds that appear "open" but are not available
- Did not need to address electronic referrals as Rhode Island's extensive Medicaid Accountable Entity program is taking that on (RI ACO)

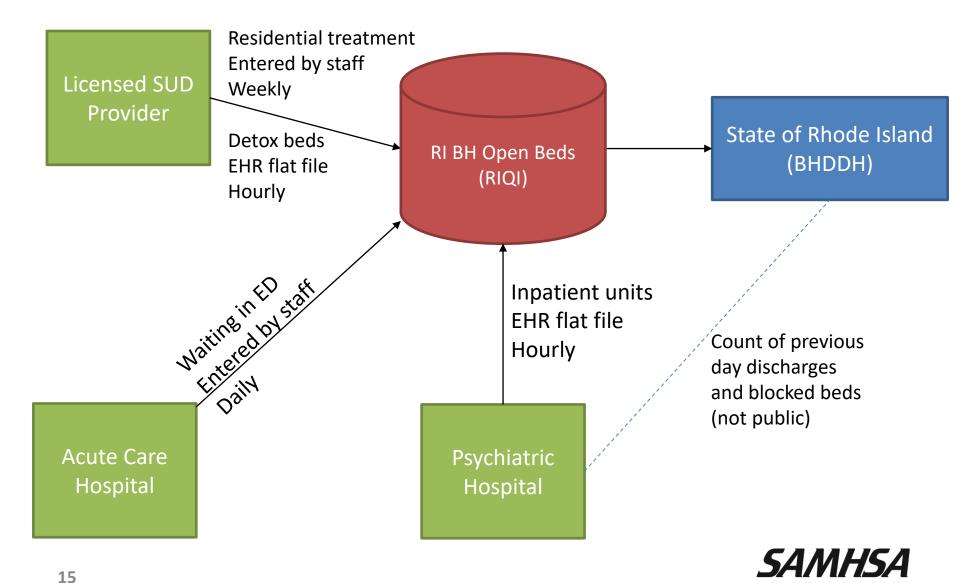


Technical Solution

- HIE architecture may or may not work as-is to streamline bed availability submissions
 - May require significant work to meet requirements
- Psychiatric hospitals expressed preference for data stripped of PII/PHI
- Solution: custom flat file extracts from EHRs on an hourly push containing only bed numbers
 - Includes "blocked beds" reporting
 - Some hospitals able to automate reporting on patients waiting in emergency department as well



End-State System Features



Services Administration

Website

https://www.ribhopenbeds.org



Available Beds

About

FAQs

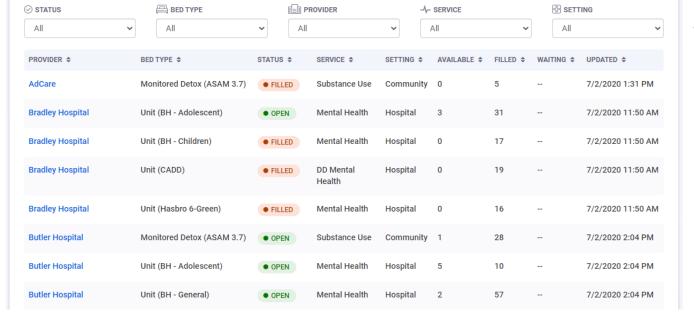
Contact

■ REPORTING LOGIN

This page allows for filtering of columns by clicking the drop-down arrow inside the box above each column. You can also sort ascending/descending, by click the double arrows to the right of each column name.

The appearance of "--" in a listing indicates that a numerical entry is not applicable for this bed type, or information isn't collected.

For a description of each bed type and service, see the <u>About page</u>. For more information about a particular provider organization, click the name of the organization in the "Provider" column.

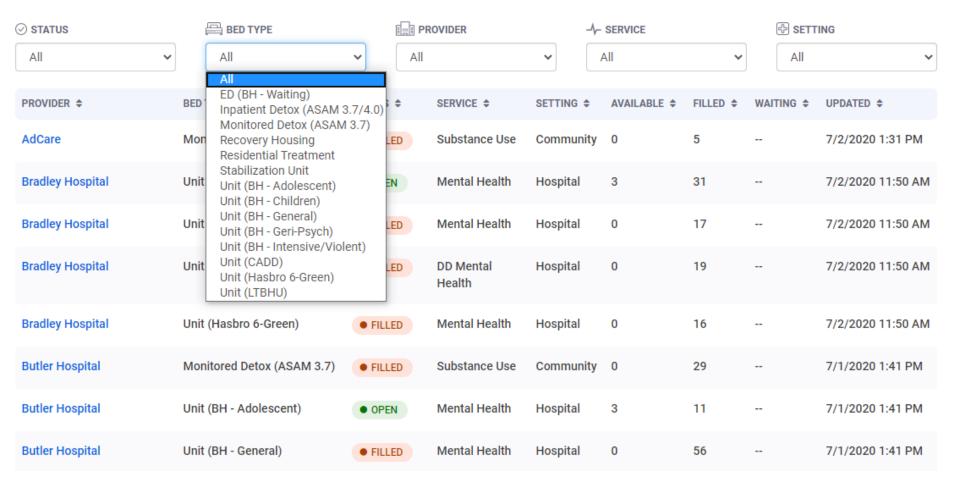


- Home page of Rhode Island Behavioral Health Open Beds website
- Demonstrates the format for displaying bed availability information, such as provider, bed type, MH or SUD, and community or hospital setting, along with time stamp



Services Included On Website

https://www.ribhopenbeds.org/about



- Dropdown of bed types to indicate which services are included in the website
- Information can be filtered on the bed availability page



Provider Reporting Screen

Providers Profile FAQs

Provider Administrator Portal

NAME	CITY	
Test Provider	XYZ City	Add Daily Bed Census Data Add Weekly Bed Census Data Report Patients Waiting > 24 Hours Edit Provider
Roger Williams Medical Center	Providence	Add Daily Bed Census Data Edit Provider
Fatima Hospital	North Providence	Add Daily Bed Census Data Report Patients Waiting > 24 Hours

- Screenshots from test environment (not real provider information)
- Example test page of what a provider administrator sees when they log in as a menu of possible reporting options



Provider Reporting Screen

Providers Profile FAQs
Add Daily Bed Census Data for Test Provider
< Return to Portal
These fields are pre-populated with data from the previous entry. Please make any necessary changes for today and save your changes.
ED (Behavioral Health - Waiting)
Waiting 1 Waiting > 12 hrs 1 Previous Day Discharges
Recovery Housing
Waiting List 2
Residential Treatment
Available 3 Filled 3 Waiting List 3
Stabilization Unit
Available 4 Filled 4 Blocked 4
□ No Data Available Today Check this box to indicate that there is no data available at this time. By checking this box, any changes made above will be ignored, and the available bed data listed for this provider will not change from the previous entry.
Save and update • Screenshots from test environment (not real provider info

- Screenshots from test environment (not real provider information)
- Example data entry page for staff reporting bed availability



Provider Reporting Screen

Profile

FA0s

Providers

Generates an email to BHDDH staff alerting them of a potential problem for placement.

Create Patient Waiting > 24 Hours for Test Provider < Return to Patient Waiting > 24 Hours **Number of Days Waiting** Age Range - SELECT -Gender - SELECT -**Bed Type** - SELECT or Cancel SAVE

 For facilities with emergency departments, staff can report to BHDDH when a patient has been waiting more than 24 hours for a BH treatment bed



Lessons Learned

- Having legislation helps
- Requires persistence and commitment across multiple administrations



- Stakeholder engagement is critical
 - Some providers eager to participate, not reluctant
 - "Start where they are" with comfort level on PHI and publicly reported information





Lessons Learned

- Incremental and phased approach allows for trust-building in the system and course correction
- Commit early to high accuracy and data quality
- Don't make assumptions about technical feasibility
 - We conducted a feasibility assessment prior to initiating technical build
 - Need someone with technical expertise on state staff to assist with project management and coordinate both providers and vendor



North Carolina's Behavioral Health Crisis Referral System: TTI -19 Update

Krista Ragan, MA

BH-CRSys Program Manager

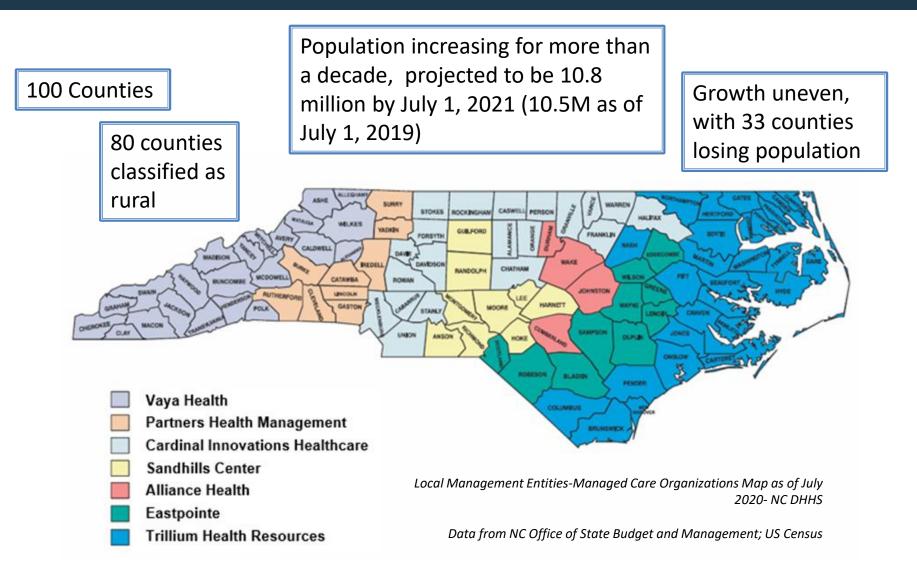
NC Division of Mental Health, Developmental Disabilities &

Substance Abuse Services

NC Department of Health and Human Services



North Carolina Basics





North Carolina's Psychiatric Bed Registry

NC Department of Health & Human Services



Division of Mental Health, Developmental Disabilities and Substance Abuse Services



Quality Management Section



Behavioral Health Crisis Referral System (BH-CRSys)



BH-CRSys Timeline

2014	NC General Assembly directed NC DMH/DD/SAS to develop and implement a psychiatric bed registry
2015	NC General Assembly appropriated funds to NC DMH/DD/SAS to begin development of a tool
2016	Project staffed late 2016; Finalization of vendor
2017	Advisory group formed; Information gathered through research and communication with potential users, facilities and professional organizations
2018	Development and testing of tool
	Behavioral Health Crisis Referral System (BH-CRSys) goes fully live
2019	Awarded TTI Funding
	ESO acquires original vendor and begins enhancement work
	ESO acquires original vendor and begins enhancement work



Key Factors in Developing Model

- Primary goal of system: Help address Emergency Department wait times for those waiting for psychiatric inpatient treatment
- Examined existing programs and systems in the US to identify what worked and lessons learned, etc.
- Obtained insight and feedback from potential users and experts in the field from around the state to identify the current processes and challenges and the needs that could be addressed through an electronic system



Key Factors, Continued

- Identified that existing placement options were: not coordinated, often complicated, lacking readily available facility information, often repetitive, and time-consuming
- Identified the facility types that would need to use the system
- Identified the need to create a system that created a single space for all placement process needs
- Identified the need for system to be broad enough to support all age groups and, psychiatric and substance use facility options for higher-level of care, and not specific to a single payor source



BH-CRSys Eligible Facilities

Primary Referral Facilities

- Emergency Departments
- Mobile Crisis Providers
- Behavioral Health Urgent Care Centers (Open 24/7)

Primary Receiving Facilities

- Community Hospital
 Psychiatric Inpatient Units
- Private Psychiatric Hospitals
- State Psychiatric Hospitals
- State Alcohol and Drug Abuse Treatment Centers
- Facility Based Crisis Centers
- Non-hospital Medical Detoxification Facilities

Receiving Facilities can elect to be dual users and also be able to refer to other Receiving Facilities as well



BH-CRSys Design

- Secure (HIPAA compliant), web-based application to assist in timely and appropriate placement of individuals experiencing a behavioral health crisis
- Developed and Managed by DMH/DD/SAS
 - Dedicated Division Staff
 - External Vendor
- Available to 250+ eligible facilities statewide
- Voluntary participation
- User-informed system



BH-CRSys Design: Primary Components

- Accepting Status
- Facility Profiles
- Search & Filter
- Referrals
 - Making Referrals
 - Confirming Referrals
 - Completing Referrals
- Data



Reason for Application for TTI Enhancements

- Designed as a foundational system
 - First design and would likely need improvements
 - Needs to be responsive to external factors
 - Potential to add modules as needed in future
- BH-CRSys went live in March 2018
 - As use of this "Version 1" system started to grow, identified additional needs, wants, and areas of user interface improvement



Planned TTI Enhancements

Improve the existing system based on user feedback, experience and system needs.

User Interface and Existing Design, Data

- Enhancements include dashboard simplification, additional fields and options in the referral form, improve search filters, add information for facility profiles, and develop additional report capabilities
- Streamline the referral process for state-run psychiatric and substance use facilities

New Features

- Facility Operational Status
- System-wide messaging and further internal communication between entities
- Collection of additional information related to involuntary commitments (IVCs)
- Pilot transportation coordination module



Current Status of TTI Enhancements

- Enhancements experienced some delays due to external forces
- Majority of objectives/deliverables have been completed as of 7.10.2020
- Deployments have gone fairly smoothly –
 provide notice, training and instructions for
 every change; users have reported little to no
 disruption on operations
- General feedback has been positive



Lessons Learned

- The administrative aspects can be challenging
- There is often a lack of understanding of the placement process (outside of those in the field)
- Your design will likely be impacted by a myriad of laws, rules, regulations, policies, processes, availability, options, approvals, and more
- Prepare for pushback
- If you can, roll out your system in stages
- You need to understand as much as possible about all the different pieces of the placement puzzle
- Plan as much as possible, but plan to adapt



What Makes it Work

- People and relationships are the most important part of the existing processes and will be vital to creating a useful and successful system
- Involvement of those who know the systems and processes best is continuous, design, implementation, improvement, etc.
- Staff your program with people passionate about the work
- Monitor your program
- Offer multiple feedback options
- Offer multiple educational and instruction options



New Mexico Behavioral Health Treatment Access and Referral Platform

Tiffany Wynn, MA, LPCC

Acting Dep. Director, Treatment & Programs Bureau, BHSD

Hazel Mella, PhD

Staff Manager and Project Director – NM BH Referral Network BHSD

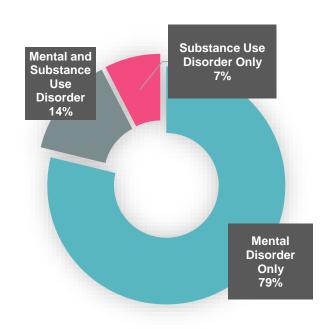


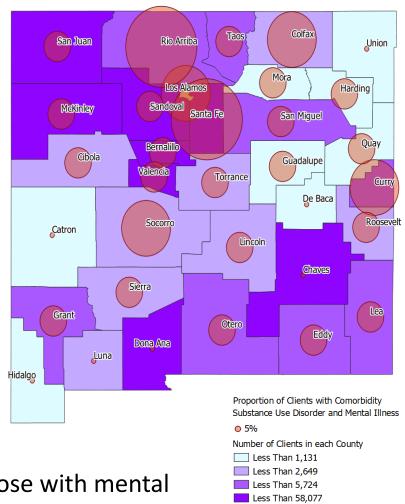
Single State Authority & Need to Improve Access

- NM received a SAMHSA grant in the early 2000s that was focused on improving integration of the mental health and the substance use system.
- Oversee substance use and mental health treatment and prevention efforts
- Work in collaboration with the Board of Pharmacy, Children Youth and Families Department, Drug Enforcement Agency, and the Department of Health to address needs
- The Consortium for Behavioral health Training and Research (CBHTR



Single State Authority & Need to Improve Access



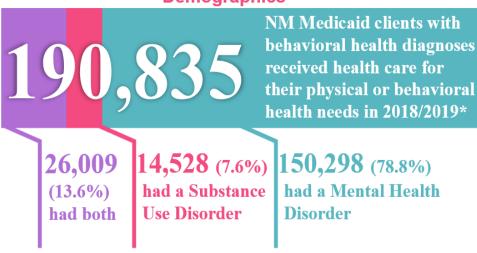


- Illustration of the makeup of those with mental health disorders, SUD disorders, and co-occurring disorders
- Conveys where there is a gap in service need



NM Demographics – Why we Need the Referral Network





^{*}Claims data represent April 1, 2018 to March 31, 2019

POPULATION NEEDS

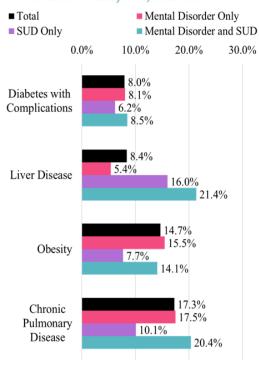
Behavioral Health Conditions

Since 1981 NM's suicide mortality rate has been

1.5 to 1.9 times higher than the national rate

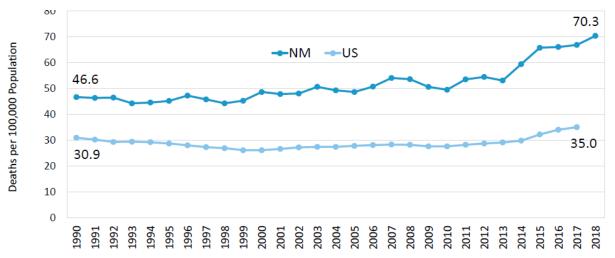
Chronic Physical Conditions

CHRONIC CONDITIONS AMONG CLIENTS WITH ACTIVE BEHAVIORAL HEALTH DIAGNOSES, NM, 2018/2019

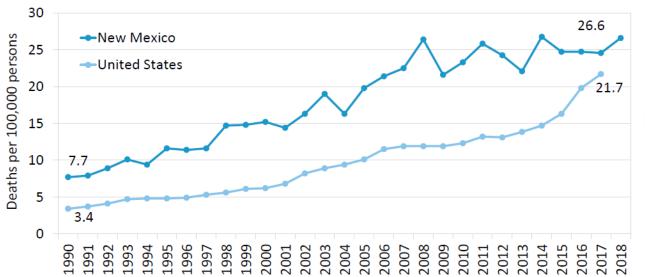




Alcohol & Drug Related Deaths in NM & US



Alcohol Related Deaths



Drug Related Deaths

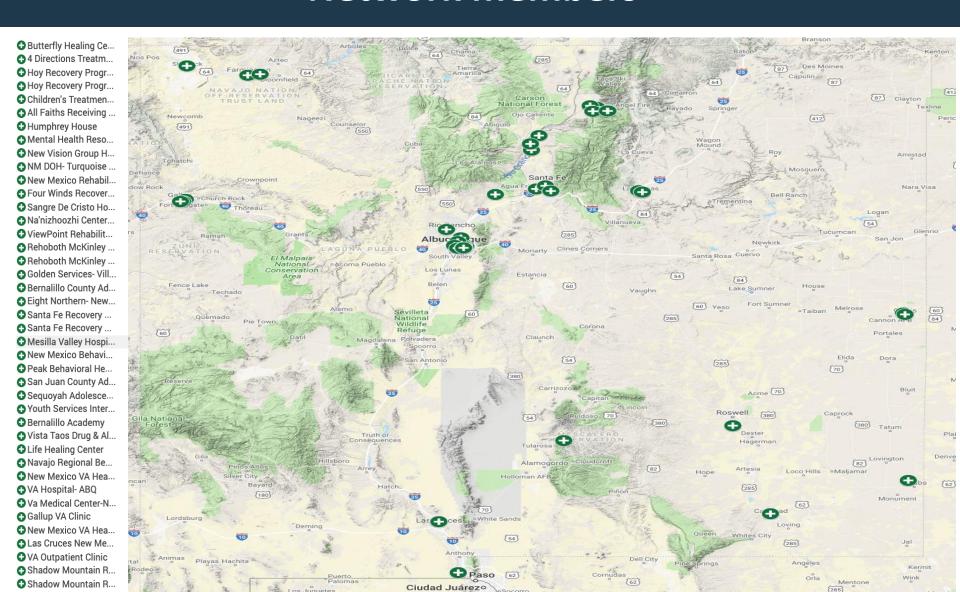


The New Mexico Behavioral Health Referral Network & Treatment Connections

Dr. Hazel Mella



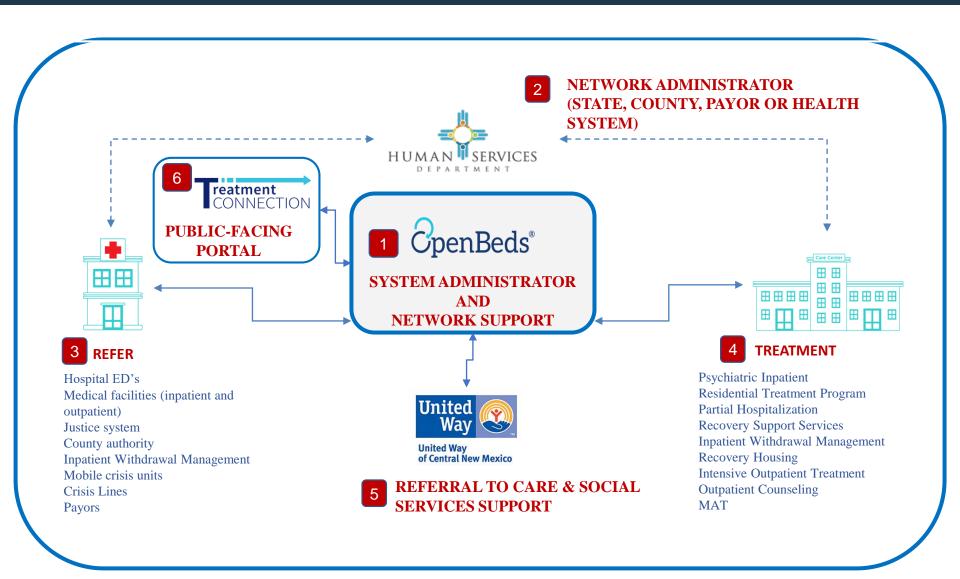
Network members





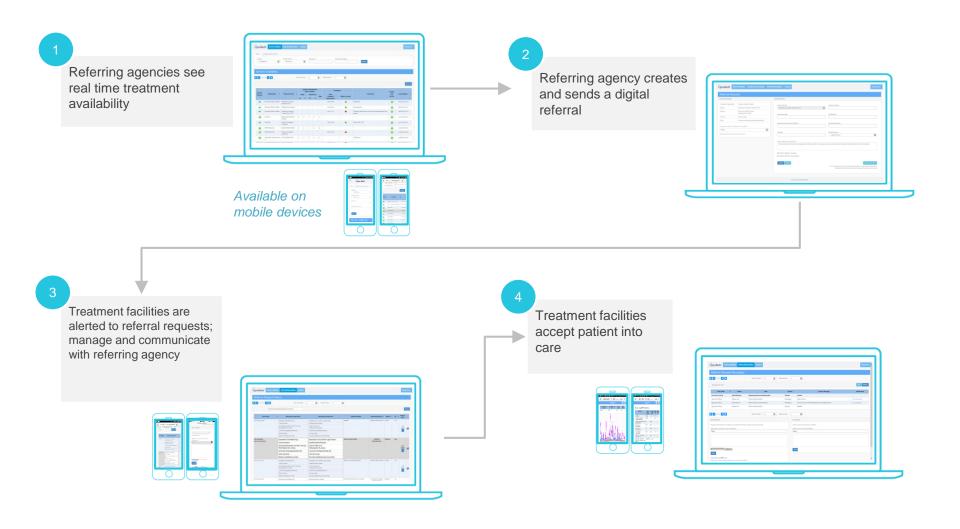


Connecting referring, treatment and social services into one trusted, comprehensive network





Rapidly locate an appropriate level of care at a treatment facility appropriate for the client with the support services they need





Platform demonstration:

- ★ Patient: 27 year-old homeless male
 - Suffered from heroin overdose (non-fatal)
 - Dosed with buprenorphine in the emergency department
 - Needs referral to outpatient provider for medication-assisted treatment and counseling
 - Requesting help with finding shelter

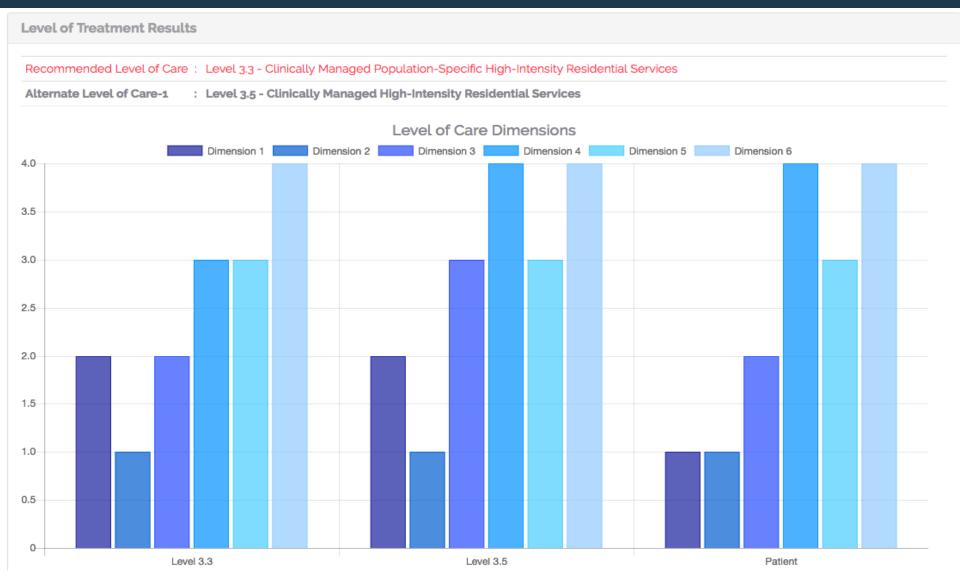


Staff completes the Clinician-Facing ASAM-based decision support tool for the patient

Global Assessment Tool Enter Patient Details (Optional) THIS FORM IS ONLY FOR OPENBEDS NAVIGATORS Dimension 1 Dimension 2 Dimension 3 Dimension 4 Dimension 5 Dimension 6 Dimension 1: Acute Intoxication and/or Withdrawal Potential (o) No signs of withdrawal/intoxication present. (1) Mild/moderate intoxication, interferes with daily functioning. Minimal risk of severe withdrawal. No danger to self/others. (2) May have severe intoxication but responds to support. Moderate risk of severe withdrawal. No danger to self/others. (3) Severe intoxication with imminent risk of danger to self/others. Risk of severe manageable withdrawal. (4) Incapacitated. Severe signs and symptoms. Presents danger, e.g., seizures. Continued substance use poses an imminent threat to life. Help Me Decide

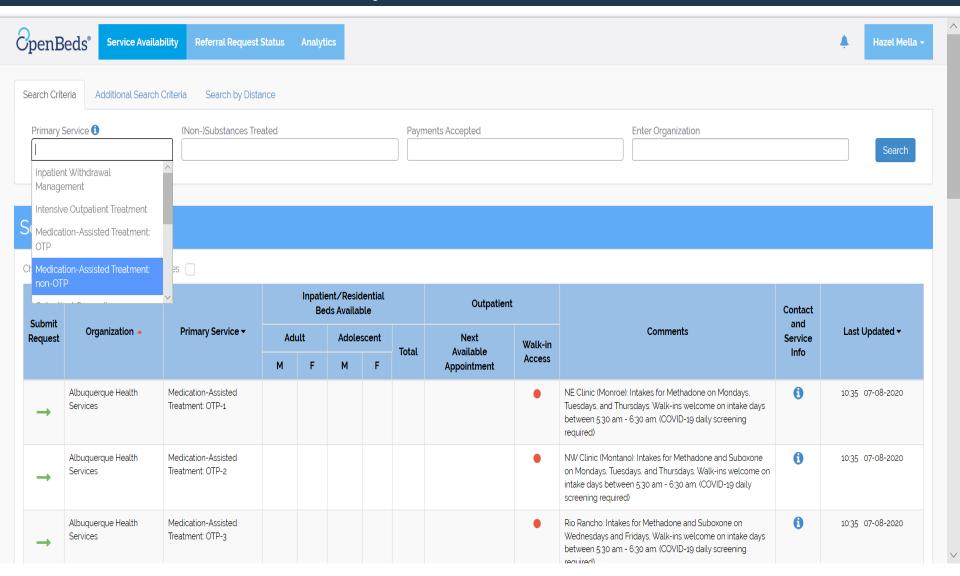


Decision support tool results recommend an ASAM-based level of treatment



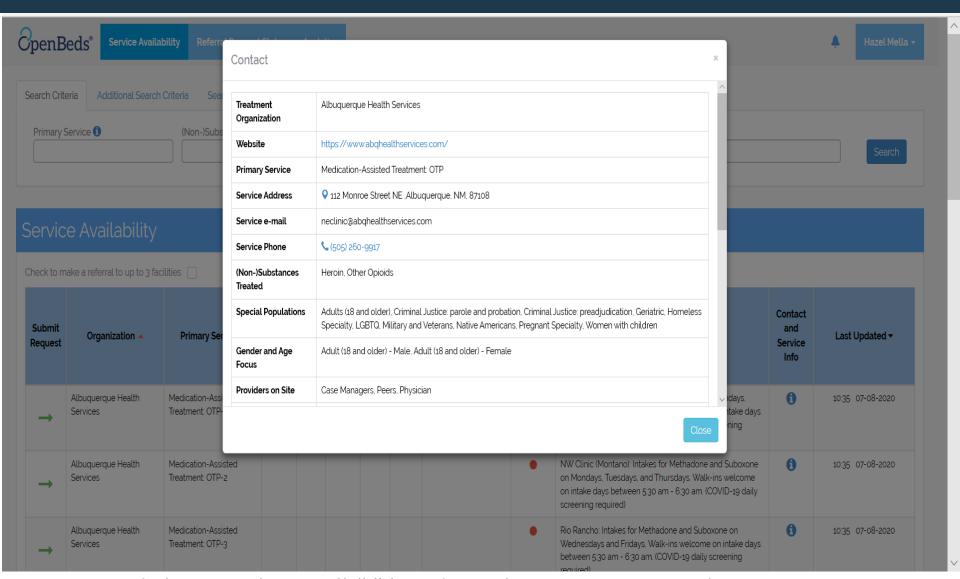


ED staff may search for available treatment based on the patient's needs





Contact and service information



By clicking on the small "i" beside each organization on the previous slide, contact information of the provider is shown

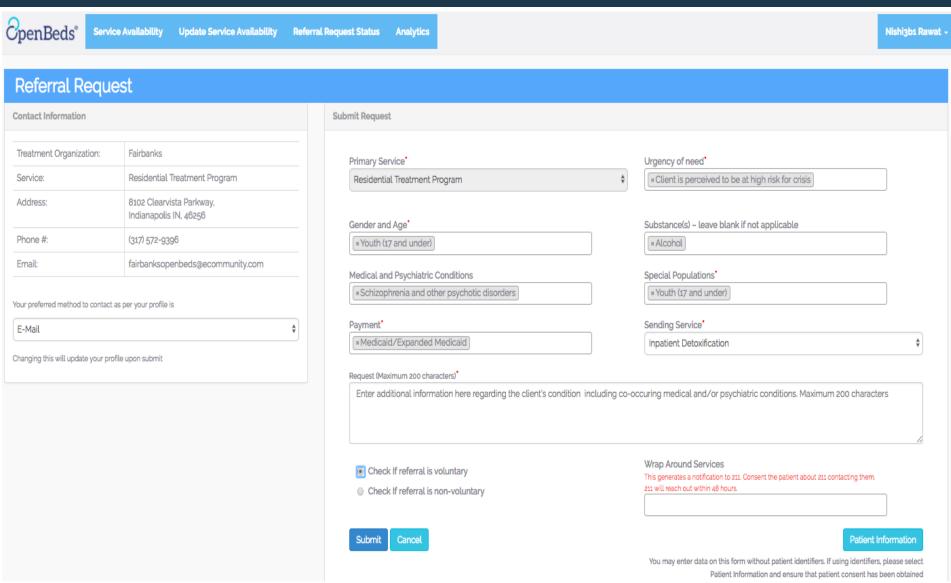


Staff views real-time availability of both inpatient and outpatient treatment resources and social services

C penBe	Service Availability Referra	al Request Status Analytics										A Hazel Mella
Search Criteria	Additional Search Criteria Sear	rch by Distance										
Primary Ser	rice 1	(Non-)Substances Treated					Payme	ents Accepted		Enter Organization		
	Withdrawal Management											Search
	on-Assisted Treatment: OTP											
Service	Availability											
Check to make	a referral to up to 3 facilities											
O TO O TO THE O	a lorenta to up to 3 lacations		Inpatient/Residential									
Submit			Beds Available				Outpatient			Contact and		
Request	Organization ▼	Primary Service -	Ad	ult	Adole	escent	Total	Next Available	Walk-in Access	Comments	Service Info	Last Updated ▼
			М	F	М	F		Appointment				
C	Hidalgo Medical Services - Tu Casa	Medication-Assisted Treatment: OTP							•	Any client that calls will be given an appointment within 3 days	0	13:19 07-06-2020
<u>U</u>	ALT Recovery Group	Medication-Assisted Treatment: OTP							•		0	1852 02-14-2020
U	First Nations Community HealthSource	Medication-Assisted Treatment OTP						07-12-2020	•	Albuquerque location	0	07:54 07-07-2020
	Central New Mexico Treatment Center	Medication-Assisted Treatment: OTP						07-01-2020	•	6th and Haines clinic, intakes Mon-Fri starting at 5am. Walk-ins welcome. Dosing Mon-Fri 5am	0	09:37 06-19-2020
→										to 1130am then again 200pm to 500pm. Holiday hours 6am to 8am, Clinic open 365 days a year.		
C.	Courageous Transformations Inc	Medication-Assisted Treatment: OTP							•	Courageous Transformations is accepting new Methadone, Suboxone, and Vivitrol patients. Patients may call for inquiries, pre-screening, and intake information Mon-Fri Gam-tpm.	0	12:29 06-22-2020
C.	Duke City Recovery Toolbox	Medication-Assisted Treatment: OTP							•	DCRT is currently accepting patients for intake and following all CDC guidelines	0	10:07 06-30-2020
	Guidance Center of Lea County, Inc.	Medication-Assisted Treatment OTP						06-01-2020	•	, , , ,	0	1303 05-27-2020
→								00-01-2020				
→	New Mexico Treatment Services	Medication-Assisted Treatment: OTP-1							•	Albuquerque location.	0	07:54 05-26-2020
\rightarrow	Albuquerque Health Services	Medication-Assisted Treatment: OTP-1							•	NE Clinic (Monroe): Intakes for Methadone on Mondays, Tuesdays, and Thursdays. Walk-ins welcome on intake days between 5:30 am - 6:30 am (COVID-19 daily screening required)	0	10:35 07-08-2020
→	Guidance Foundation	Medication-Assisted Treatment OTP-1						07-09-2020	•	Due to COVID-19 all appointments are telemedicine/phone	0	17:10 07-08-2020
C.	New Mexico Treatment Services	Medication-Assisted Treatment: OTP-2							•	Espanola location.	6	07:54 05-26-2020
	Albuquerque Health Services	Medication-Assisted Treatment: OTP-2							•	NW Clinic (Montano): Intakes for Methadone and Suboxone on Mondays, Tuesdays, and	A	10:35 07-08-2020

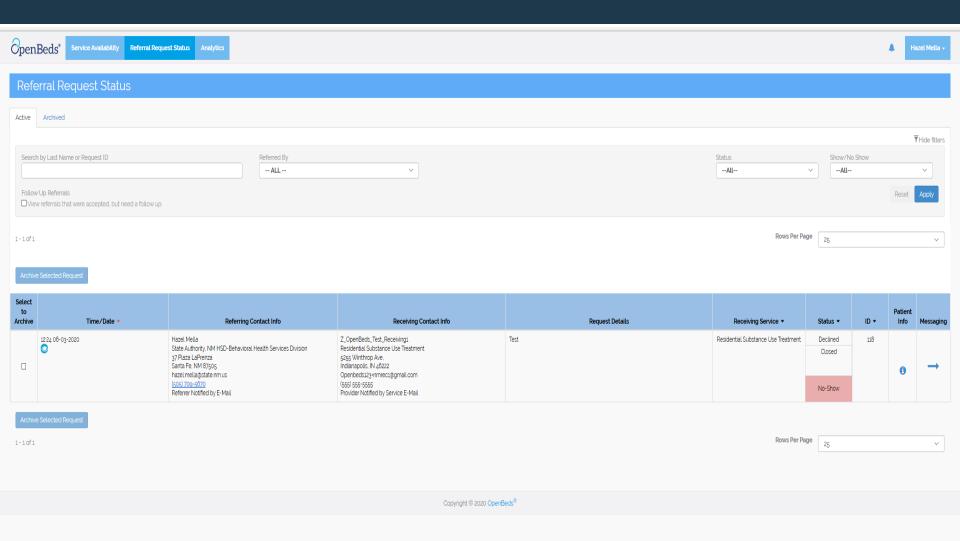


After identifying the appropriate level of care, a digital referral is created using dropdown menus and free text, the referrer may attach the patient's notes to the referral as well





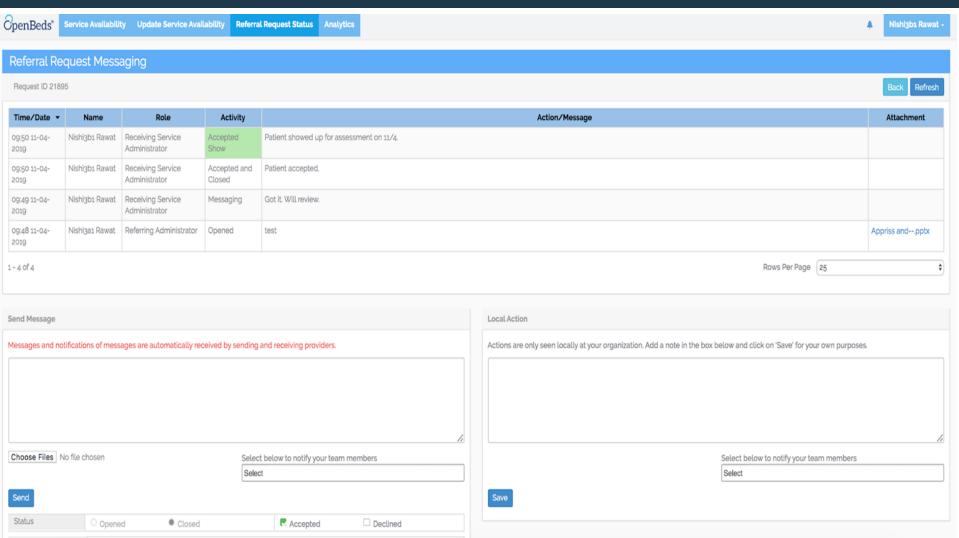
Facilities are able to see the status of their referral



 The referring facility will always know the status of their referral



Providers message back and forth to determine patient appropriateness for care





Did Patient Show Up? Yes

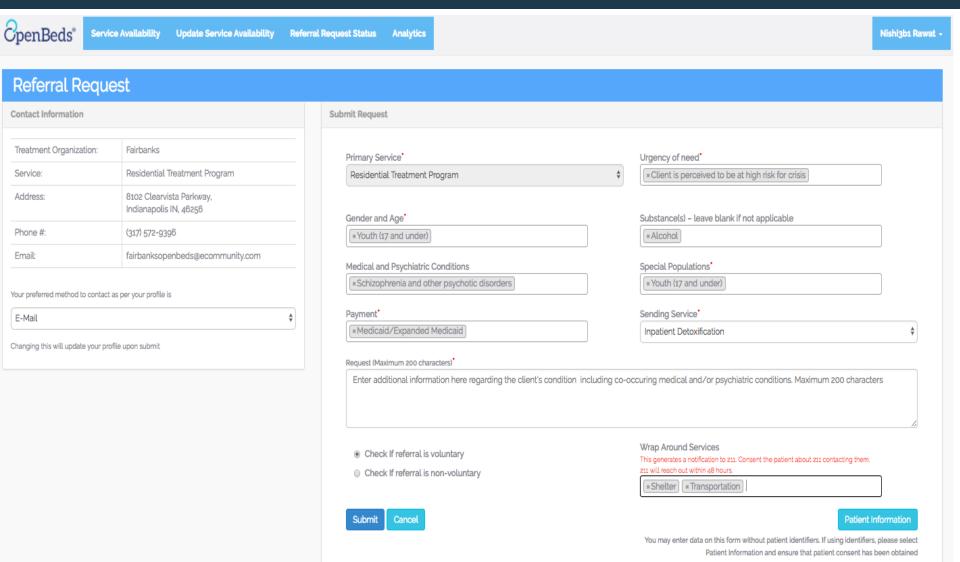
☐ No

Rationale for declined referrals helps identify gaps in care

Time/Date ▼	Name Steveta Carrott	Role	Activity	Action/Messag	Attachm	ent
2:54 12-09-2019	SteveRec3b1	Receiving Service	Messaging	thanks send pt history		
2:54 12-09-2019	Administrator SteveRec3b1	Administrator Receiving Service	Action	take notes that only you see		
	Administrator	Administrator				
12:51 12-09-2019 Steve1a Carroll Referring Provider			Opened	additional clinical that may be important	Attachment Auto	
5 of 5					Rows Per Page 25	
nd Message				Local Action		
sages and notification	ns of messages are automa	tically received by sending and rece	iving providers.	Actions are only seen locally at your organizati	on. Add a note in the box below and click on 'Save' for your own purposes.	
	selected	Select below to	notify your team members		Select below to notify your team members	
hoose Files no files s		0-14			0-14	
		Select			Select	
end		Select		Save	Select	
Status © C	Opened Cl	osed A	ccepted 🗸 Dec		Select	
Status © C	ine Reason (Category)	osed A	ne Reason (Sub-Category)		Select	
Status © C		osed		ned	Select	



Staff may request social services and resources in conjunction with a treatment referral





SAMHSA's mission is to reduce the impact of substance abuse and mental illness on America's communities.

Rhode Island

North Carolina

New Mexico

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Krista Ragan

Tiffany Wynn

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