Buprenorphine Bridges:Telehealth Solutions to Mitigate Buprenorphine Barriers

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ASAM Annual Meeting April 14th, 2023



Disclosure Information

- Jeanmarie Perrone, MD
 - No Disclosures
- Nicole O'Donnell, CRS
 - No Disclosures
- Margaret Lowenstein, MD
 - No Disclosures
- Michael J. Lynch, MD
 - No Disclosures
- Rachel Wightman, MD
 - No Disclosures
- Andrew Herring, MD
 - No Disclosures



Learning Objectives

- Discuss pending legislation and policies that will impact future telehealth OUD treatment efforts including parity billing and advocacy needed.
- Describe how care delivery models for buprenorphine telehealth can be implemented into existing health system infrastructure.
- Identify funding sources and cost savings metrics to support sustainability of buprenorphine telehealth programs within your health system.



Health Affairs Blog



RELATED TOPICS:

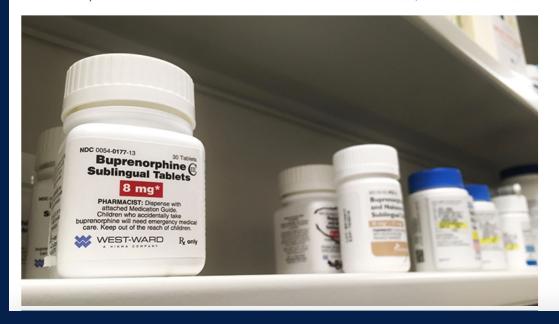
ACCESS TO CARE | TELEHEALTH | OPIOID USE DISORDER | COVID-19 | PUBLIC HEALTH | HEALTH DISPARITIES

These Key Telehealth Policy Changes Would Improve Buprenorphine Access While Advancing Health Equity

Utsha Khatri, Corey S. Davis, Noa Krawczyk, Michael Lynch, Justin Berk, Elizabeth A. Samuels

SEPTEMBER 11, 2020

10.1377/forefront.20200910.498716





Health Affairs Blog

A Call for Equity

Telehealth to Improve Buprenorphine Access Sign on letter

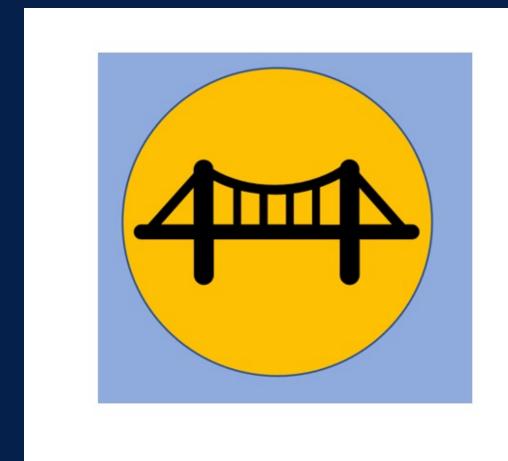
650 signatures

Members of Congress, the U.S. Department of Health and Human Services, and the DEA:

The economic, social, and emotional havoc of the COVID-19 pandemic exacerbated an already worsening opioid overdose crisis and emphasized the urgent need to lower barriers to access evidence-based, life-saving opioid use disorder (OUD) treatment.



CareConnect Warmline









Brief Timeline of Telehealth Regulation

2008: Ryan Haight Act

2020: COVID-19 PHE Waivers 42 CFR Part 8 Notice of Proposed Rulemaking

2022-2023:













2018: SUPPORT Act 2022:

Consolidated Appropriations Act 2/24/2023:

DEA Proposed Rules for Telehealth Prescribing



Recent Telehealth Regulatory Updates

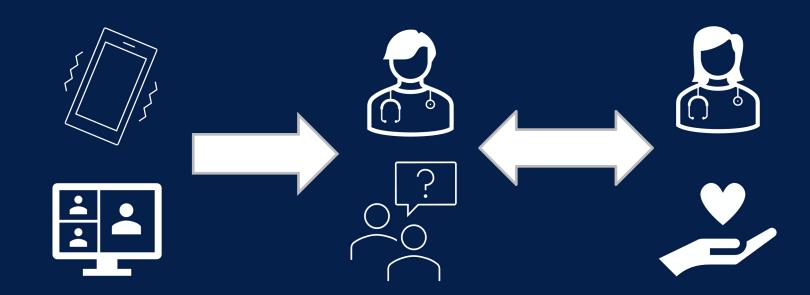
- Consolidated Appropriations Act of 2023¹
 - Section 4113: Expands Medicare coverage of critical telehealth services beyond the COVID-19 PHE, removing geographical requirements and delaying inperson requirements for Medicare coverage of mental health services (including audio-only) through 2024
- 42 CFR Part 8 Notice of Proposed Rulemaking²
 - Expansive update to <u>OTP regulations</u> including allowing telehealth evaluation to initiate medication treatment (audio-only for buprenorphine)
 - Does NOT include buprenorphine prescribing outside of an OTP
- DEA Proposed Permanent Rules on Telehealth Prescribing of Controlled Substances^{3,4}
 - In Person requirement after 30 days
 - Allows audio-only

- 1. Text H.R.2617 117th Congress (2021-2022): Consolidated Appropriations Act, 2023 | Congress.gov | Library of Congress
- 2. 2022-27193.pdf (federalregister.gov)
- 3. Expansion of Bup (DEA948).pdf
- 4. Telemedicine (DEA407).pdf





UPMC Medical Toxicology Telemedicine Bridge Program

















CA Bridge: Alameda Health System



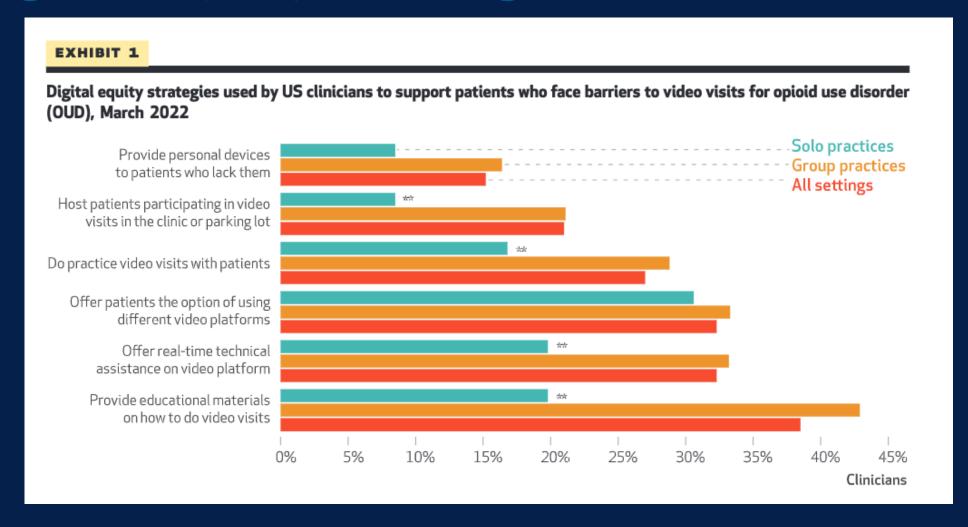


Telehealth and Equity

- Access to technology
- Diversity of patients
- Geographic reach



Digital Equity Strategies for Video Visits





Audio-Only Encounters

- More common in marginalized patients (low-income, older, minority, unstable housing)
- Critical modality for access
- May be viewed as lower quality by some patients and providers



- Telephone only
- Bridge clinic
- On-demand 24/7
- Initiate buprenorphine treatment
- Link to a maintenance care
- Staffed by six providers
- Do not bill for telephone visit

Rhode Island Buprenorphine HOTLINE

Programs and Metrics



Quality Metrics (Intake)

- Number of calls received (reach)
- Operational performance
 - Percentage of callers connected/ timeliness
 - Percentage of callers appropriate for hotline
 - Percentage of callers with buprenorphine Rx provided
- Measuring vulnerable populations served



Quality Metrics (Follow up)

- Prescription fill rate
 - PDMP data
 - Documentation of barriers from patients on follow-up or call-back
- Follow up rate (retention in treatment)
 - PDMP data
 - Percentage of patient attend follow-up appointment (not hotline callback)
- Adverse outcomes
 - Documented instances of precipitated or continuing withdrawal



Overall program evaluation

- Integration with broader continuity of care
 - Best referral channels from bridge line
- Economic cost vs. benefit
- Logistical barriers
 - Financial sustainability
 - Transportation
 - Special considerations (e.g., rural communities)

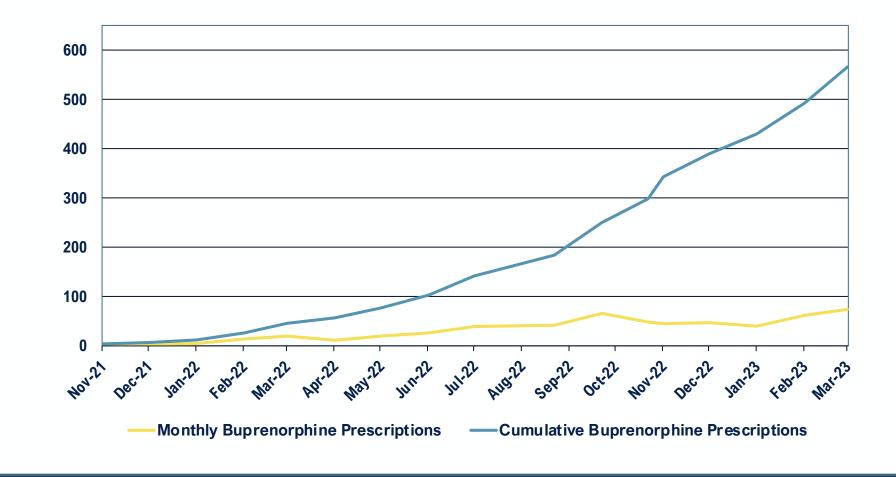


Outcomes



Program growth

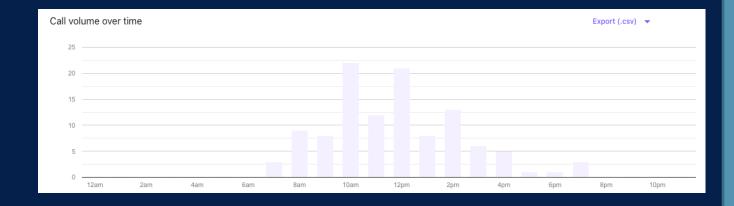
566 Prescription Encounters



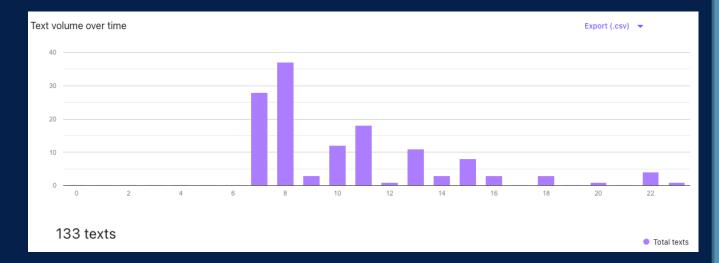


Typical day On the Line

112 Calls 71 in 41 out



133 texts 128 unique patients





2022 impact

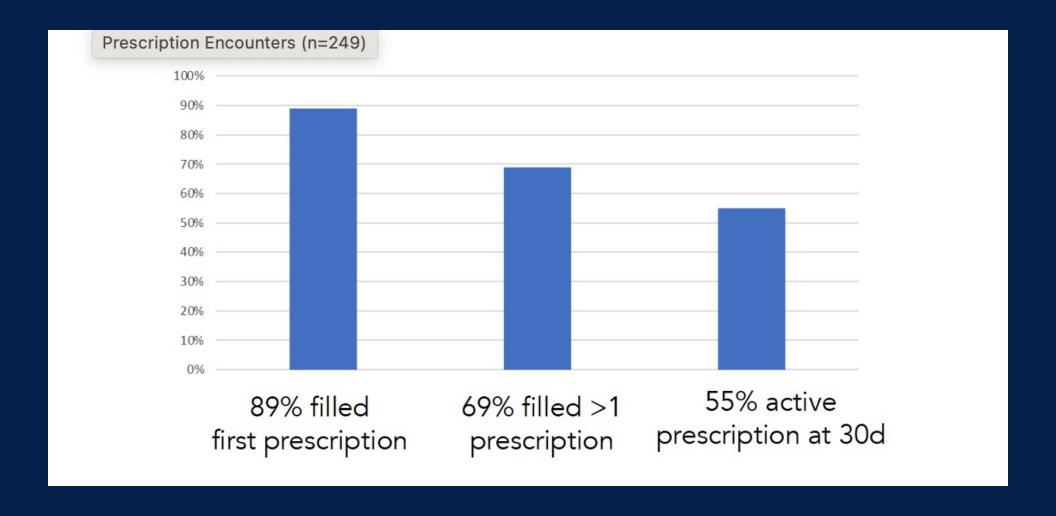
~20, 000+ calls & texts

8,629 visits

1,921 Unique patients

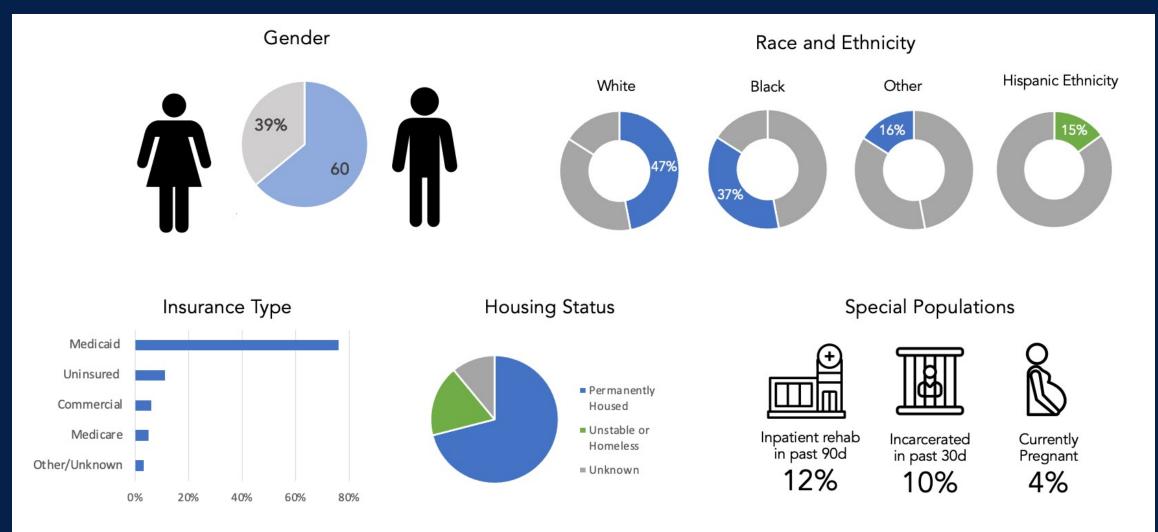
1,121 Actively Engaged

Early Outcomes





Program Demographics





Challenges

- Diversion
- Fraud/ identity theft
- Drug screening
- Pharmacies

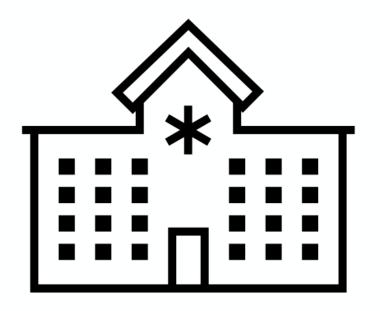


Breakout Attend 2 of the 3 options

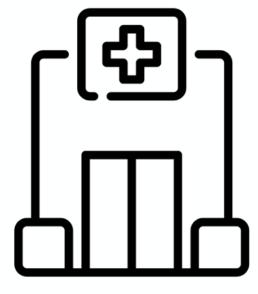
Three models



Implementation into virtual urgent care UPENN



Partnering w DOH Rhode Island, CA Bridge



Extension of Addiction Medicine UPMC



Group Discussion



Needed Telehealth Regulatory Changes

- Extended or permanent waivers of Ryan Haight in-person evaluation requirement
 - ◆ DEA Proposed Permanent Rule on 2/24/2023
 - In-person requirement within 30 days to continue prescribing...
- Telehealth reimbursement parity, including audio-only, for public and private payers (federal and state)
- Alternative payment model, enhanced rates, or other sustained funding for bridge model facilitating rapid treatment engagement



Research needed Continuum of Care Metrics

- What need is being filled?
 - Filling gaps of in-person vs. initiating new patients
 - Option of last resort?
- Long-term empirical outcomes compared to alternate entries to buprenorphine treatment (needs evaluation)
 - Requires linkage to administrative state databases
 - Length of treatment retention
 - Non-fatal, fatal overdose



Final Takeaways/Summary

Buprenorphine via telehealth is an underutilized strategy:

- Mitigates access barriers
- Improves equity
- Prevents treatment gaps
- Enhances retention
- Ongoing opportunities to implement new low barrier telehealth access



References

- 1. Uscher-Pines L, Riedel LE, Mehrotra A, Rose S, Busch AB, Huskamp HA. Many Clinicians Implement Digital Equity Strategies To Treat Opioid Use Disorder. Health Aff (Millwood). 2023;42(2):182-186. doi:10.1377/hlthaff.2022.00803
- 2. Frost MC, Zhang L, Kim HM, Lin L. Use of and Retention on Video, Telephone, and In-Person Buprenorphine Treatment for Opioid Use Disorder During the COVID-19 Pandemic. JAMA network open. 2022;5(10):e2236298-e2236298.
- 3. Lowenstein M, O'Donnell N, Barnes J, et al. CareConnect: Adapting a Virtual Urgent Care Model to Provide Buprenorphine Transitional Care. *NEJM Catalyst.*3(12):CAT.22.0274.

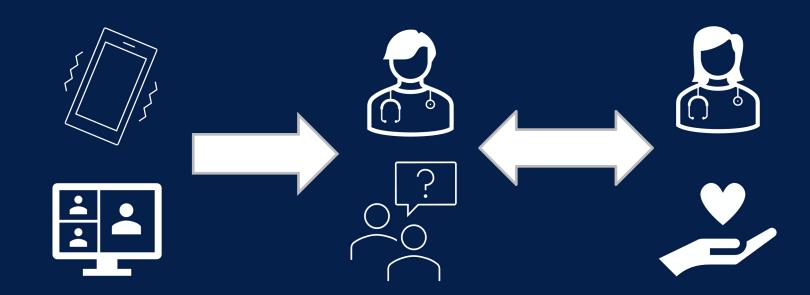


Appendix Individual Program Details





UPMC Medical Toxicology Telemedicine Bridge Program

















Patient Demographics



April 27, 2020 to February 20, 2023

Primary Payor Type (92% Medicaid or Uninsured)

2183 Patients



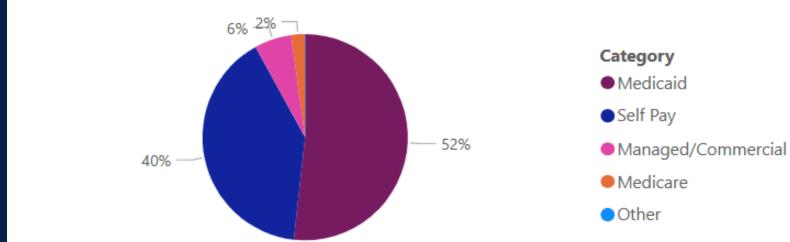
Age Range: 16-79

• Mean Age: 39.3

• 57% Male

• 43% Female

Payor Category % of Total Charges by Category



UPMC

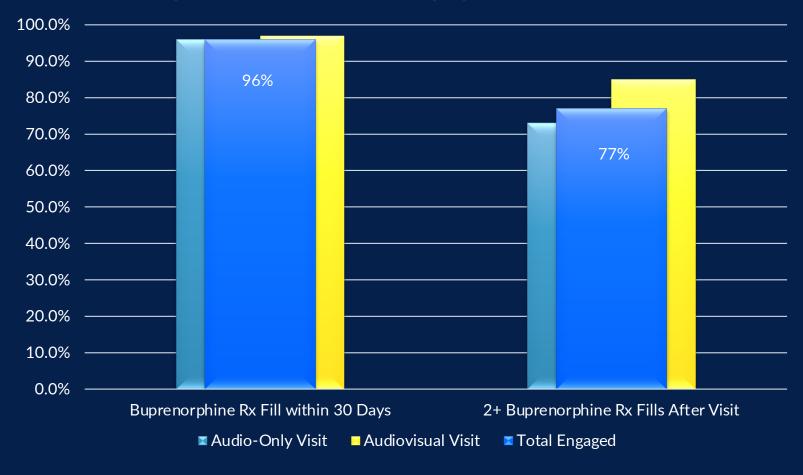
>90% audio/telephone only visits



	Toxicology Telemedicine Bridge Clinic	SPMI + SUD (UPMC HP)	SUD Only (UPMC HP)	No MH or SUD (UPMC HP)
Area Deprivation Index 110+	64.40%	48%	51.50%	38.50%
Social Vulnerability Index 80+	71.70%	60%	58.30%	49.20%

Excellent Rate of Engagement in Buprenorphine Treatment

Telemedicine Bridge Clinic Patients Engaged in OUD Medication Treatment





Lynch MJ, Houck P, Meyers J, Schuster J, Yealy DM. Use of a Telemedicine Bridge Clinic to Engage Patients in Opioid Use Disorder Treatment. J Addict Med. 2022 Mar 7. doi: 10.1097/ADM.000000000000967. Epub ahead of print. PMID: 35258040.

6 Month Outcomes

150 UPMC For You patients with continuous coverage before and after bridge clinic visit for OUD

Increased outpatient behavioral health and primary care utilization

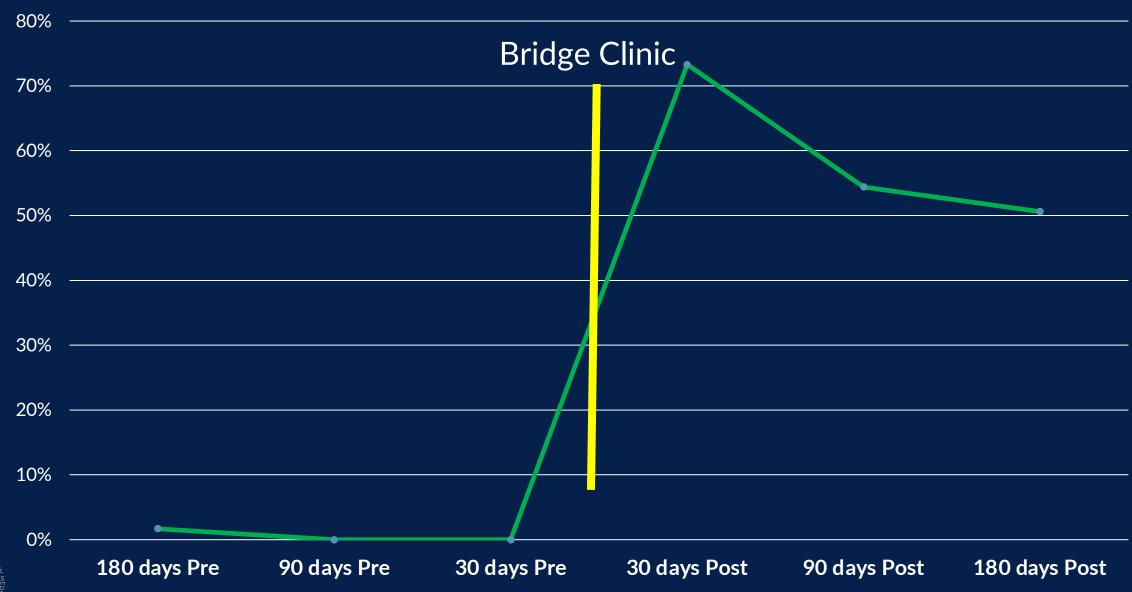
62% reduction in unplanned care costs 6 months after bridge visit compared to month before

38% reduction in all care costs excluding pharmacy 6 months after bridge visit compared to month before



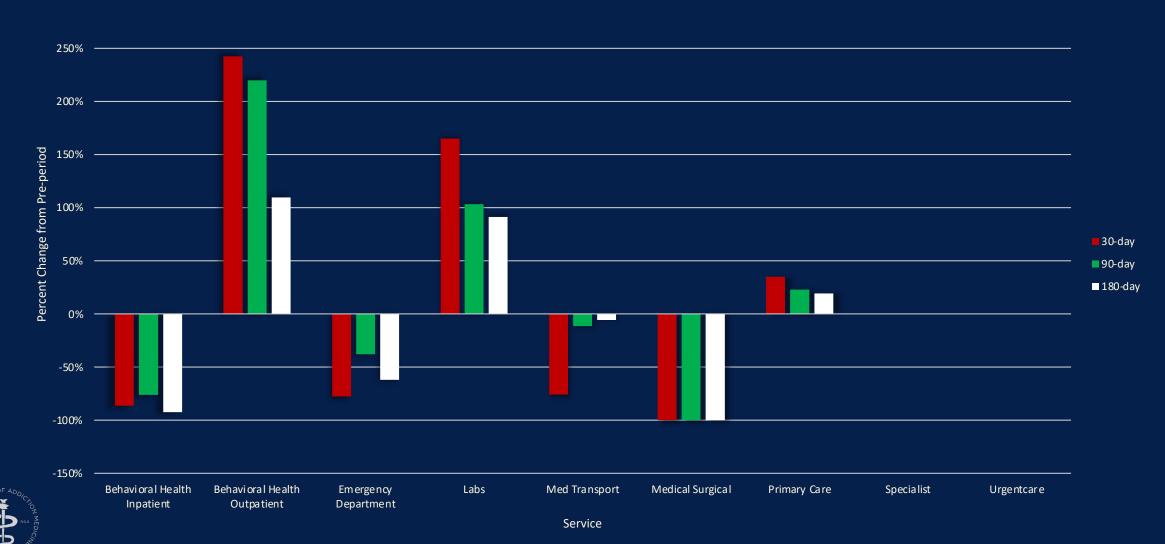
Median days of buprenorphine treatment increased from 0% to 73% with persistent median coverage >50% after 6 months

Median Proportion of Days on Buprenorphine



Changes in SUD-Specific PMPM

300%



Medication for Opioid Use Disorder

(Proportion of Days Covered*)

Window	# of members who filled 1 MOUD prescription	%
30 days	136	90.7%
90 days	141	94.0%
180 days	143	95.3%

91% of the members who had a Bridge clinic visit filled a MOUD prescription in the first 30-days

	Window	Avg	Median		
30-Days	Pre	20.7%	0.0%		
	Post	65.1%	73.3%		
90-Days	Pre	24.3%	0.0%		
	Post	53.6%	54.4%		
180-Days	Pre	24.8%	1.7%		
	Post	50.8%	50.6%		

Average PDC following a Bridge Clinic visit was notably greater than in the periods before

	Window	>60%	> 80%		
30-Days	Pre	9.8%	9.8%		
	Post	60.1%	42.7%		
90-Days	Pre	23.1%	9.8%		
	Post	47.6%	35.0%		
180-Days	Pre	20.3%	12.6%		
	Post	44.8%	31.5%		

43% of the members had PDC >80% in the first 30-days

Note: all significance tests for all time windows had a p-value < 0.0001



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Rhode Island Buprenorphine HOTLINE



Who's Calling?



- 2/3 in opioid withdrawal
- 1/3 had filled a prior buprenorphine prescription in year preceding
- Most had taken buprenorphine previously – prescribed and/or nonprescribed
- 98% filled their Rx within 30 days
- Over 70% filled a subsequent buprenorphine Rx within 30 days of the end of their hotline Rx (avg 6 days)

Opportunities

- Accessible care 24/7
- Bypass barriers to treatment (stigma, transportation, geography, etc.)
- Fill gaps in treatment access; serves as an entry point to care
- Channel to disseminate harm reduction and community resources

Acknowledgements

- Department of Behavioral Healthcare, Developmental Disabilities & Hospitals
- Rhode Island Department of Health
- SAMHSA
- COBRE on Opioid and Overdose (P20GM125507)
- Dr. Seth Clark
- Dr. Carolyn Wunsch
- Dr. Elizabeth Samuels



UPenn Telehealth

- Patients or providers can call for help
- Same day access to buprenorphine
- Fill gap between patient call and community MOUD appointment
- Ensure patients do not lose access to medication
- Tailored referral to longitudinal treatment (specialty behavioral health or primary care-based)



+ Care Connect Warmline

Our team of Substance Use Navigators (SUN) and Certified Recovery Specialist can partner with your patients to follow up post-discharge and connect them with care!

- √ 100 % Virtual Buprenorphine **Prescription Access**
- ✓ Low-Barrier
- ✓ No Insurance Necessary

Provide resource and care navigation including connections to Penn Medicine On Demand to support the bridging of care

Support can include Buprenorphine bridge prescriptions, pharmacy navigation, and partnering to address barriers to

care

Helpful Tip: Try putting the Warmline phone number in your patient's phone



484-278-1679







Nicole O'Donnell, Lead CRS & **Project Manager**



Gilly Gehri, SUN



Contact us between 9am and 9pm Monday - Sunday

CareConnect Model



Program Manager
Oversight and strategy



Physician Leads
Addiction Medicine, EM, Primary Care



Substance Use Navigators
Provides resources and
assistance



Advanced Practice Providers 24/7 Staffing of Telehealth Visits



Penn Medicine EDs and Hospitals



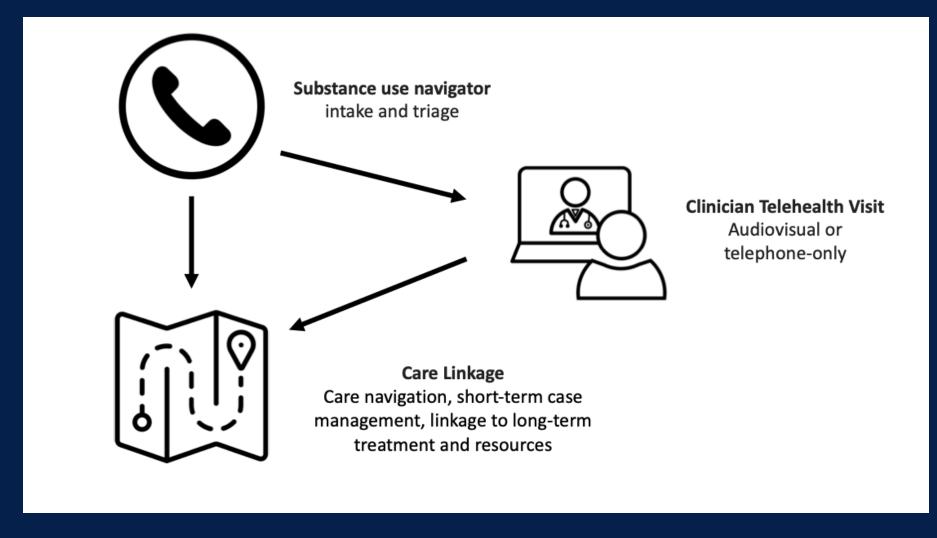




Referral Sites
Academic and Community Partners



Workflow





Training and Implementation

Virtual clinicians (APPs) obtained X-waiver

2 hours of training from team leadership

Ongoing support from SUNs, feedback, follow-up and support from addiction specialists

Outreach to partners across Philadelphia in health system and community



CA Bridge: Alameda Health System





Harm Reduction Warmline is front door

to Bridge Clinic

Word of mouth

Street medicine



Jail

Co-located





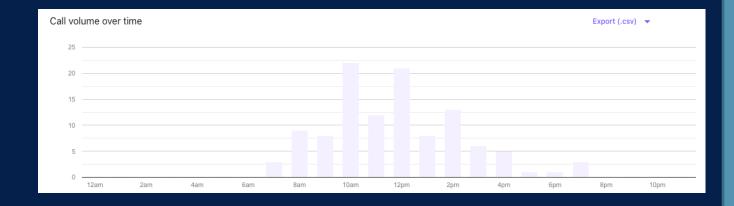
ER/Hosp

Residential **Treatment**

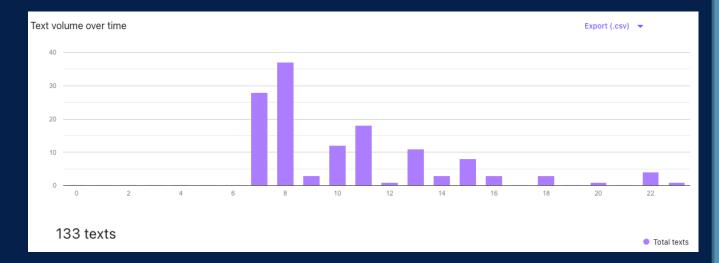


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2022 impact

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8,629 visits

1,921 Unique patients

1,121 Actively Engaged

Scaling to serve a state of 40 million

Connected network of 20+ Bridge Centers



Find an emergency department providing addiction treatment

