Service Utilization in Addiction Treatment across In-Person, Telehealth, and Hybrid Treatment Models Monica F. Tomlinson, PhD; Molly McCann-Pineo, PhD MS, Monica P. Thomas, PhD; Soteri Polydorou, MD*

Introduction

Telehealth services are increasingly incorporated into addiction treatment, despite little information on how modalities of treatment provision influence service utilization and clinical outcomes. More data is needed in this area.

Methods

This project compared the demographic and clinical characteristics of patients being being admitted/discharged when services were;

- In-person (2019)
- Telehealth (2020)
- Hybrid (2021)

across 4 outpatient substance use clinics in New York State using a <u>retrospective, longitudinal</u> <u>cohort design.</u>

Statistical Methods:

- Chi-Square and Fischer's Exact Tests
- Wilcoxon Rank Sum tests



Note: All results presented

Results

nissions			Disch
= 42.6 years) n American (21%) and 20.1%) patients n a high school diploma college (21.8%) eiving medication to treat d use disorders (16.2%)	In Person N=949	•	More Black/African A Other/Multiracial (21. More patients with a (21.6%) or some colle More patients relocat
n prior treatment (50.6%)		•	More patients with le diploma (23%)
M = 40.8 years) %) and Asian (4%) patients a Bachelor's Degree	Telehealth N = 501	•	More patients lost to
patients (37.5%) co-existing psychiatric		•	More White (63.5%) patients Fewer <mark>Black</mark> (16.5% patients (15.8%)
(<i>M</i> = 41 years) b), Black (19.2%), and White h post-secondary degrees ployed full-time (39.5%) h a co-existing psychiatric	Hybrid N = 594	•	More patients with p (36%) More patients who set treatment (22.7%) or treatment to maximu More patients who le and were referred els Longer length of st More individual the ($M = 26$) More total treatmer
are statistically significant at p <.05			

*No authors have any disclosures to declare

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Merican (19.6%) and .9%) patients high school diploma lege (21.6%) ted (5.3%)

ess than a high school

contact (45%)

and Asian (4.2%)

) and Other/Multiracial

ost-secondary degrees

successfully completed r who completed um benefit (15.3%) eft against clinical advice lsewhere (15.3%) tay (*M* = 154.5 days)

erapy sessions

nt visits (M = 9)

Conclusions

- In-Person services attract patients from more disadvantaged social and ethnoracial groups
- Services that incorporate
 Telehealth options attract patients who are from a higher socioeconomic status, have more psychiatric needs, and who are less likely to have previously received treatment
- Hybrid services are associated with the most clinical benefits and attract the most diverse patient population

References

- Cantor J, McBain RK, Kofner A, Hanson R, Stein BD, Yu H. Telehealth adoption by mental health and substance use disorder treatment facilities in the COVID-19 pandemic. *Psychiatr Serv*. 2021;73(3):411-417. doi:https://doi.org/10.1176/appi.ps.202100 191
- 2. Sanders M, Mullaney T, Russell HA, Izzo K, Smith B. Pause, pivot and proceed: A before-after study to examine the impact of the COVID-19 pandemic on a community-based peer-recovery program for substance use disorder. *J Commun Healthc*. 2022;15(1):27-33. doi:10.1080/17538068.2021.2013054

Resources

Overall Design Recommendations:

- https://guides.nyu.edu/posters
- Specific Design Tools:
 - Icons: <u>https://thenounproject.com</u>
 - Free Stock Photos: <u>https://unsplash.com/</u>

- https://www.posterpresentations.com/
- https://scientificposterprinting.com/

 https://biorender.com/blog/top-5-tips-for-designing-a-scientific-poster http://www.personal.psu.edu/drs18/postershow/

 Color Palette Picker (if you don't want to use ASAM's): <u>https://coolors.co/</u> QR Code Generator: https://www.qr-code-generator.com/ • Printing (ASAM has not independently verified the quality of these printers) https://www.uprinting.com/large-format-posters-printing.html https://www.makesigns.com/products/scientific-posters https://www.megaprint.com/research-posters.php