Utilizing Mental Health Screenings to Guide Integration of Psychiatric Services within Post-Liver Transplant Clinic



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Background

- Liver transplant patients have a high prevalence of depression and anxiety, which can negatively impact transplant outcomes¹
- Routine screening for depression and referral for treatment is recommended for all liver transplant recipients²
- This study examined the impact of implementing routine mental health screenings for post-liver transplant patients at our small transplant center

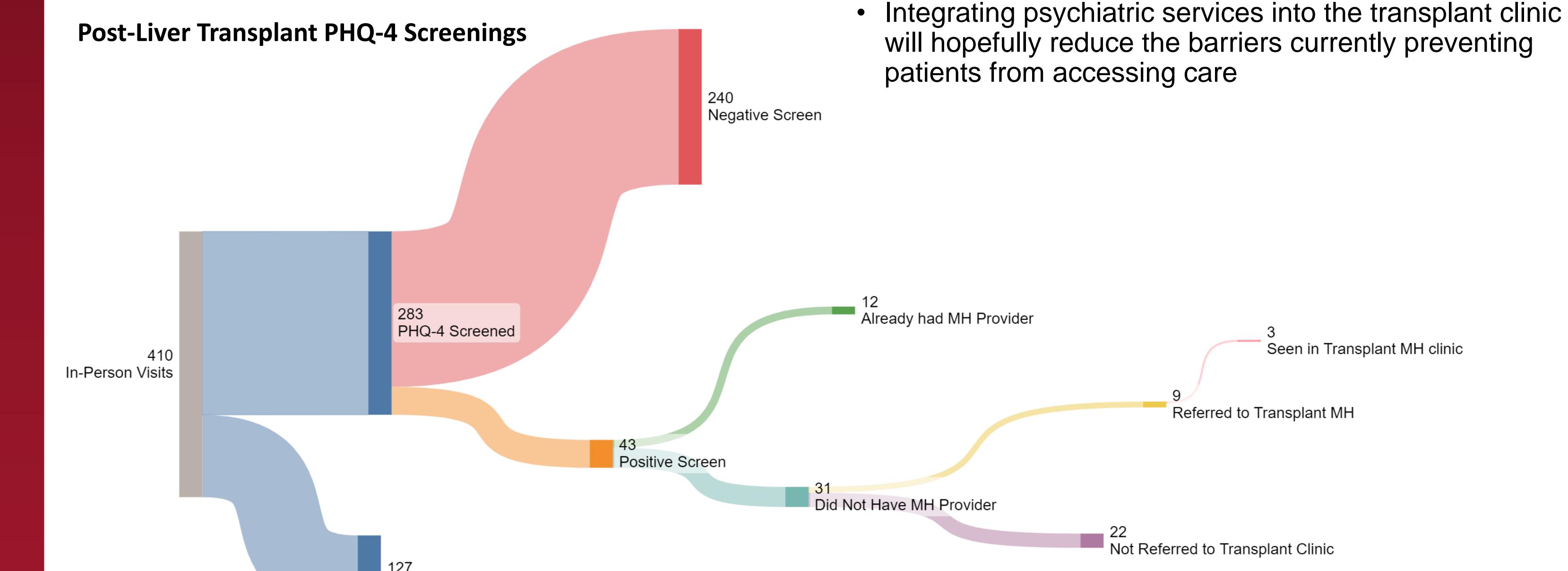
Methods

- Over seven months, post-liver transplant patients were asked to complete a Patient Health Questionnaire-4 (PHQ-4) at inperson visits in the transplant clinic
- If patients had a positive screen (a score >3 for either anxiety or depression subscales), referral to a transplant mental health provider was offered to the patient
- Rates of PHQ-4 completion, positive PHQ-4 screens, mental health referrals, and referral completion were calculated via chart review

Results

- liver transplant clinic visits, equating to 69% screening rate
- There were 43 positive screens, giving a 15% positive screening rate
- Of the 43 positive screens, 12 patients already had a mental health provider and declined referral to transplant mental health
- Of the 31 remaining, 9 were referred to transplant mental health providers
- Of these, 3 were eventually seen in clinic.
- 22 patients were not referred to transplant clinic, despite meeting criteria

PHQ-4 Not Screened



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References

Discussion

incomplete referrals

Conclusions/Implications

1: Annema, C., Drent, G., Roodbol, P. F., iStewart, R. E., Metselaar, H. J., van Hoek, B., Porte, R. J., & Ranchor, A. V. (2018). Trajectories of Anxiety and Depression After Liver Transplantation as Related to Outcomes During 2-Year Follow-Up: A Prospective Cohort Study. Psychosomatic medicine, 80(2), 174–183.

A small fraction of patients who screened positive saw a

Our screening protocol identified patients who may benefit

mental health provider, despite the screening protocol

Errors in PHQ-4 interpretation, including incorrectly

summed scores and missed positive screens, led to

from further mental health evaluation and treatment

Screening patients via EMR may reduce the number of

missed referrals due to errors in PHQ-4 interpretation

2: Zimbrean, P. C., Andrews, S. R., Hussain, F., Fireman, M., Kuntz, K., Niazi, S. K., Simpson, S. A., Soeprono, T., Winder, G. S., & Jowsey-Gregoire, S. G. (2023). ACLP Best Practice Guidance: Evaluation and Treatment of Depression n Solid Organ Transplant Recipients. Journal of the Academy of Consultation-Liaison Psychiatry, 64(4), 357–370.

- PHQ-4s were completed in 283 out of 410 in-person post-

Sample PHQ-4 Forms