

The Impact of COVID-19 Pandemic on Patient Mental Health in an Outpatient Psychiatry Setting, February-May 2021



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Introduction

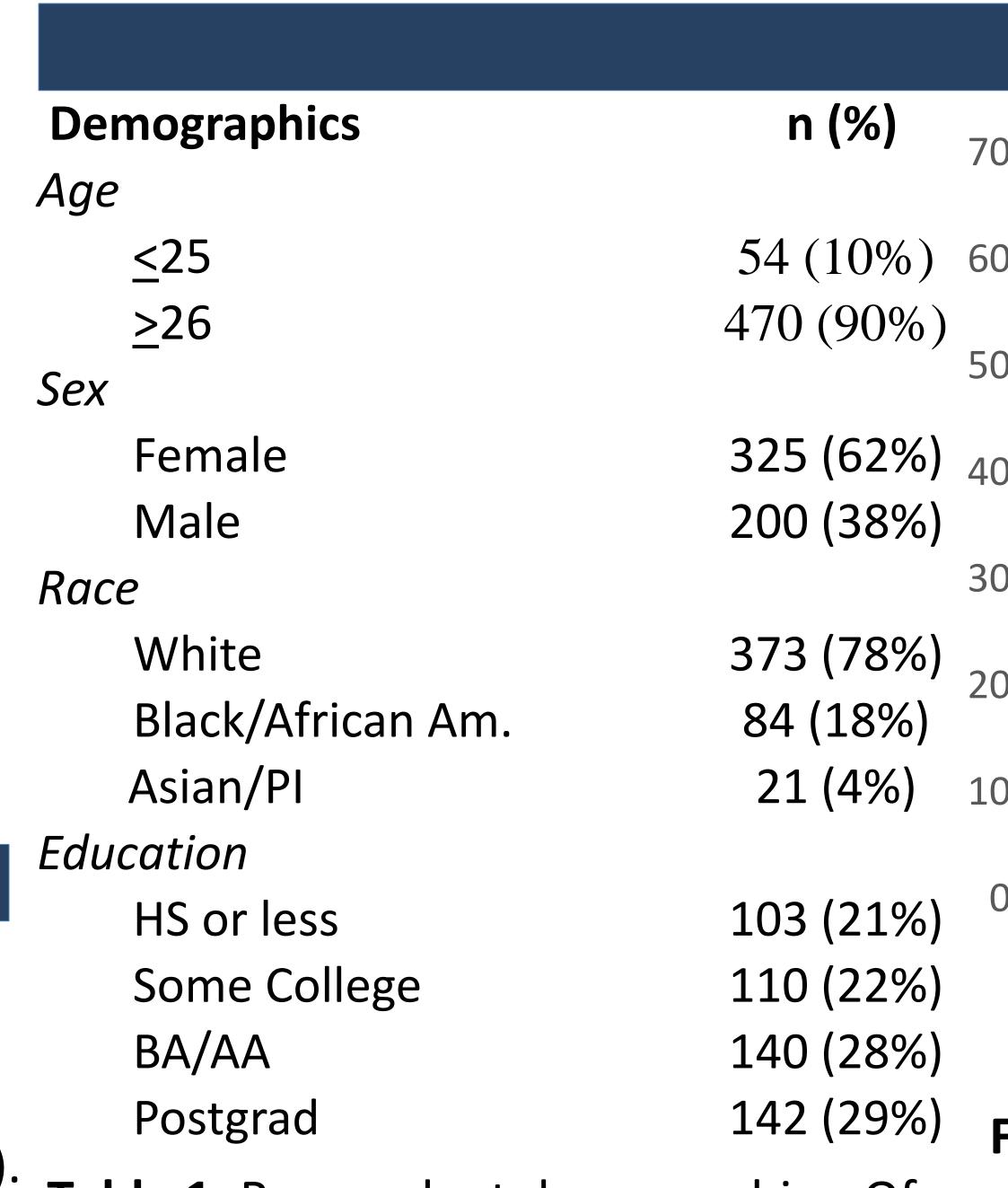
- The novel coronavirus (COVID-19) pandemic has impacted the mental health of many people globally, Age including worsening depression, anxiety, suicidal ideation, and difficulty sleeping. 1-3
- Psychiatric/psychological clinical populations were particularly vulnerable to worsening mental health outcomes during this time.²⁻³
- Increased requests for urgent psychiatric care during
 ^{Race}
 COVID-19 suggests that it is crucial to continue to
 monitor and manage symptomology and treatment
 efficacy.³

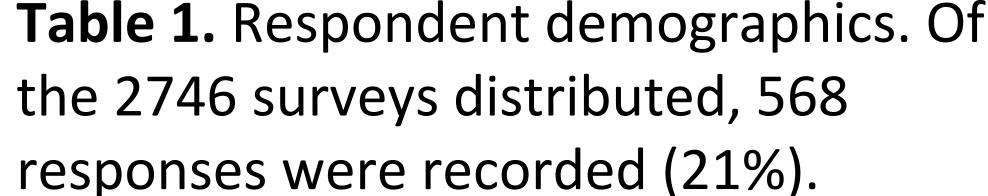
Objectives

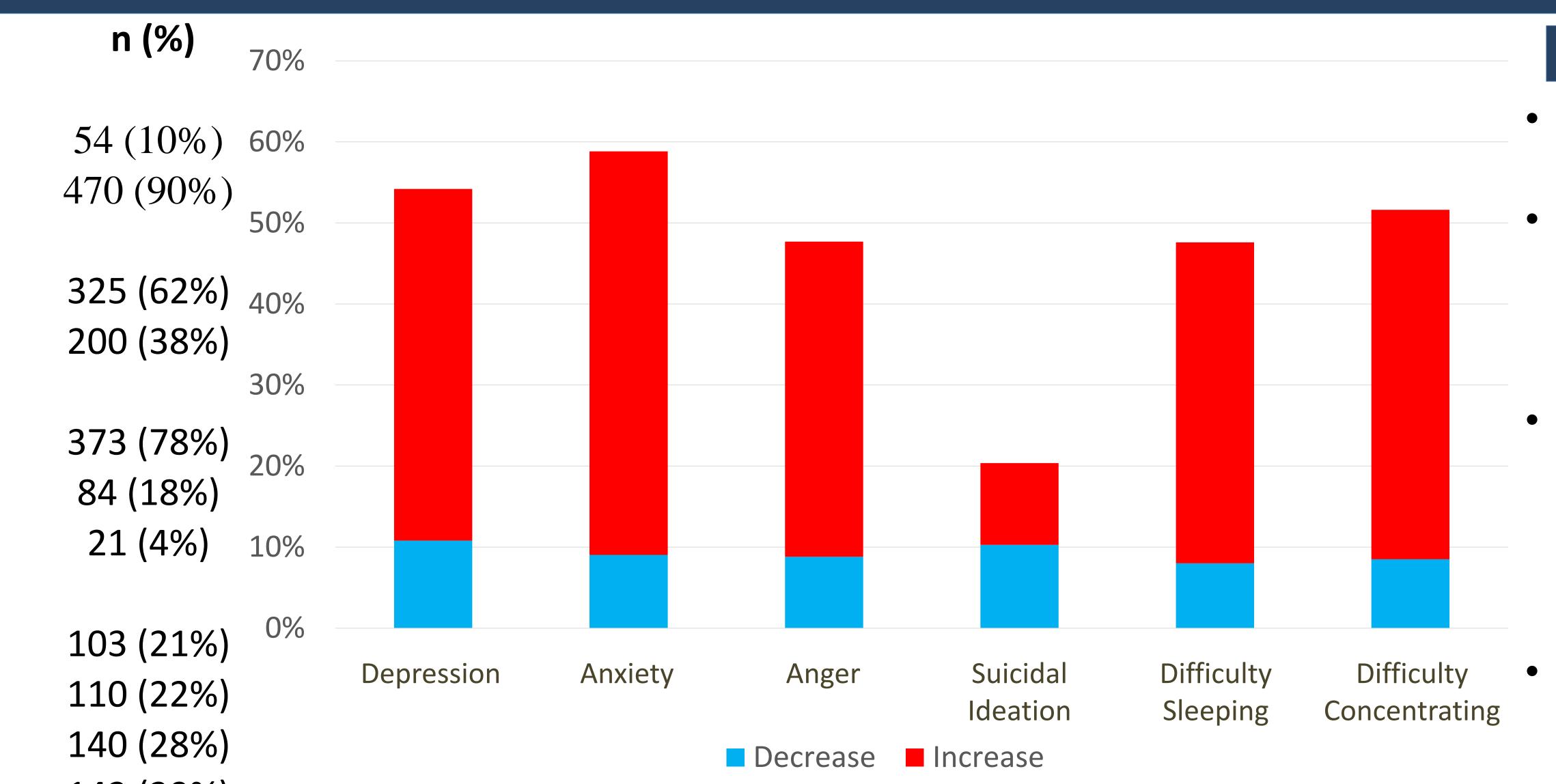
To learn how the COVID-19 pandemic has affected the mental health of adult patients in the Johns Hopkins Bayview Community Psychiatry Program (CPP) & Resident Outpatient Continuity Clinic (ROCC).
 Table 1. Respondent demographics. Of

Methods

- Surveys were distributed using a Qualtrics email link
- Participants (18+) were identified via an EPIC search for any encounter since Jan 1st, 2020 within the two clinics.
- Distribution Timeline:
 - Surveys were distributed Feb 16th (CPP) & 17th (ROCC), and were closed May 14th, 2020
 - Non-respondents received two follow-up emails per week for 8 weeks
 - A telephone follow-up was conducted on March 31st and April 1st
- Respondents were asked how their mental health symptoms had changed for each of the 6 domains over the last 90 days prior to survey completion.
- Unadjusted logistic regression were used to model the association between responses and patient demographics.







Results

Figure 1. Responses indicating increased or decreased symptom severity over the last 90 days. Total raw numbers (n) are as follows: depression (500); anxiety (498); anger (499); suicidal ideation (496); difficulty sleeping (500); and difficulty concentrating (494).

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Demographic	Depression	Anxiety	Anger	Suicidal Ideation	Difficulty Sleeping	Difficulty Concentrating	
Age (Ref: <u><</u> 25)							
<u>≥</u> 26	2.41 (1.11-5.05)*	1.76 (0.70-4.02)	1.91 (0.81-4.25)	1.89 (0.77-4.85)	2.18 (0.92-4.89)	2.70 (1.20-5.82)*	
Sex (Ref: Fema	ale)						
Male	0.81 (0.43-1.55)	0.97 (0.49-2.02)	0.71 (0.36-1.43)	1.28 (0.52-3.14)	4.73 (0.23-0.96)	0.54 (0.28-1.09)	•
Race (Ref: White)							
Black/	0.38 (0.18-0.83)*	0.88 (0.36-2.49)	0.34 (0.15-0.79)	0.29 (0.06-1.09)	0.62 (0.27-1.51)	0.50 (0.22-1.23)	
African Am.							
Asian/PI	0.46 (0.14-1.77)	0.48 (0.15-1.83)	0.34 (0.11-1.18)	0.22 (0.03-0.99)	0.63 (0.14-4.36)	1.62 (0.29-30.46)	_
Education (Ref	f: HS or Less)						
Some	1.60 (0.68-3.87)	0.48 (0.16-1.34)	2.78 (0.96-8.80)	0.49 (0.15-1.52)	0.94 (0.33-2.62)	1.30 (0.47-3.60)	1.
College							
BA/AA	2.17 (0.91-5.31)	0.74 (0.24-2.07)	1.44 (0.58-3.56)	0.92 (0.28-2.97)	1.13 (0.40-3.12)	1.48 (0.57-3.77)	2.
Postgrad	1.62 (0.71-3.69)	0.59 (0.20-1.55)	1.69 (0.66-4.29)	1.38 (0.46-4.17)	1.03 (0.37-2.77)	1.94 (0.73-5.16)	3.

Table 2. Odds ratio (with corresponding 95% confidence interval) for a response with increased (worsened) compared to decreased (improved) symptom severity. *Significance is shown at $p \le 0.05$.

Key Points

- The majority of our sample identified as white females.
- A higher percentage of respondents reported increased symptom severity for every mental health domain except suicidal ideation.
- Older respondents (>26) were more likely than younger respondents to report increased symptoms of depression and difficulty concentrating.
- Black/AA respondents were less likely than white respondents to report increased symptoms of depression and difficulty concentrating.

Conclusion

- The COVID-19 pandemic served as a major disruptor of everyday life and has been demonstrated to exacerbate mental health symptoms in various populations, including our survey population.¹⁻²
- Further research is needed to determine how socio-demographic factors are associated with mental health responses to major stressors.

References

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- 3. Hao, F., Tan, W., Jiang, L., Zhang, L., Zhao, X., Zou, Y., ... & Tam, W. (2020). Do psychiatric patients experience more psychiatric symptoms during COVID-19 pandemic and lockdown? A case-control study with service and research implications for immunopsychiatry. Brain, behavior, and immunity, 87, 100-106.