Trends and Disparities in Unmet Childhood Mental Health Care Needs: Analysis of National Survey of Children's Health 2016-2020





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INTRODUCTION

- With 20% of children experiencing mental health disorders, it is critical to ensure mental health care (MHC) is accessible.¹
- MH disorders can hinder children from adequately developing psychological, cognitive, physical, and emotional characteristics essential for a healthy transition into adulthood.²
- The COVID-19 pandemic created challenges in both MHC delivery and accessibility.³
- Minority children have shown an increased risk for poor mental health (MH) correlated to the effects of both structural and individual racism.⁴

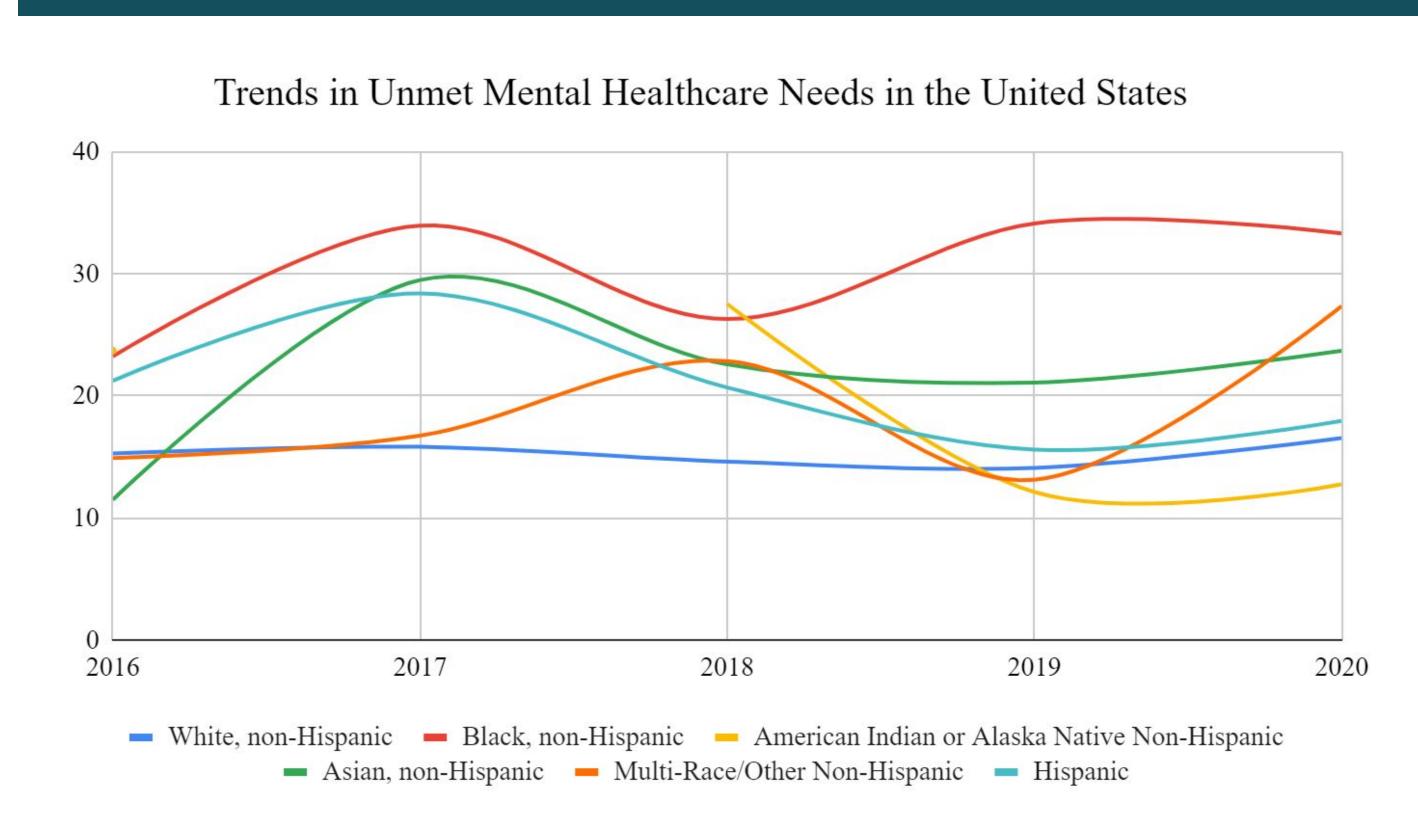
OBJECTIVES

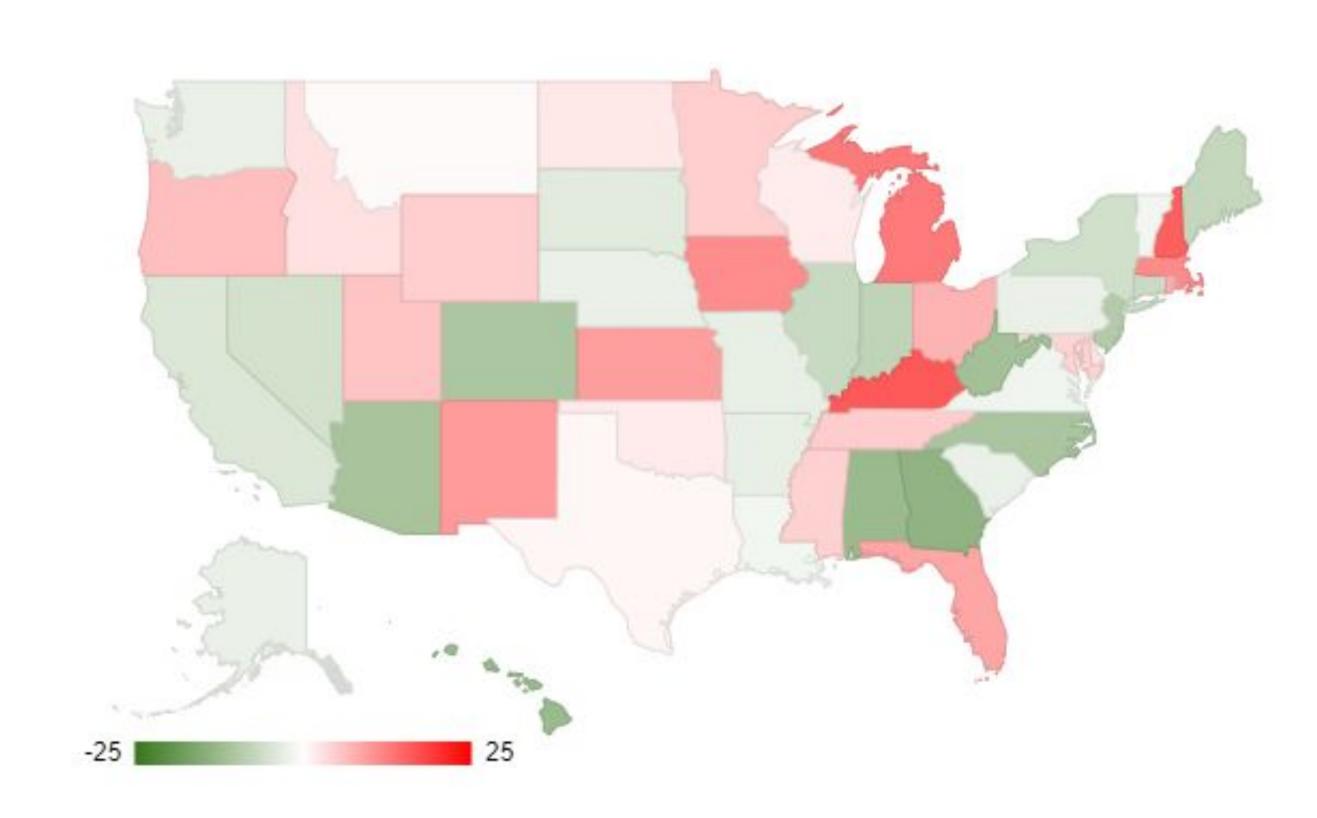
- Assessing trends in children's unmet MHC needs from 2016–2020 may aid in the development of strategies to overcome those barriers, thus our objectives were to identify:
 - 1.the disparities among age groups, race/ethnicity, federal poverty level, or urbanicity
 - 2. the changes among each state
 - 3. the potential effects of the COVID-19 pandemic

METHODS

- We assessed the National Survey of Children's Health to estimate trends of unmet MHC needs from 2016-2020.
- To identify state-level trends, we calculated each state's percent change between 2016-2019 and between 2019-2020 to determine the impact of COVID-19.
- Lastly, we measured associations, via logistic regression, between children's unmet MHC needs and demographic factors to assess disparities.

RESULTS





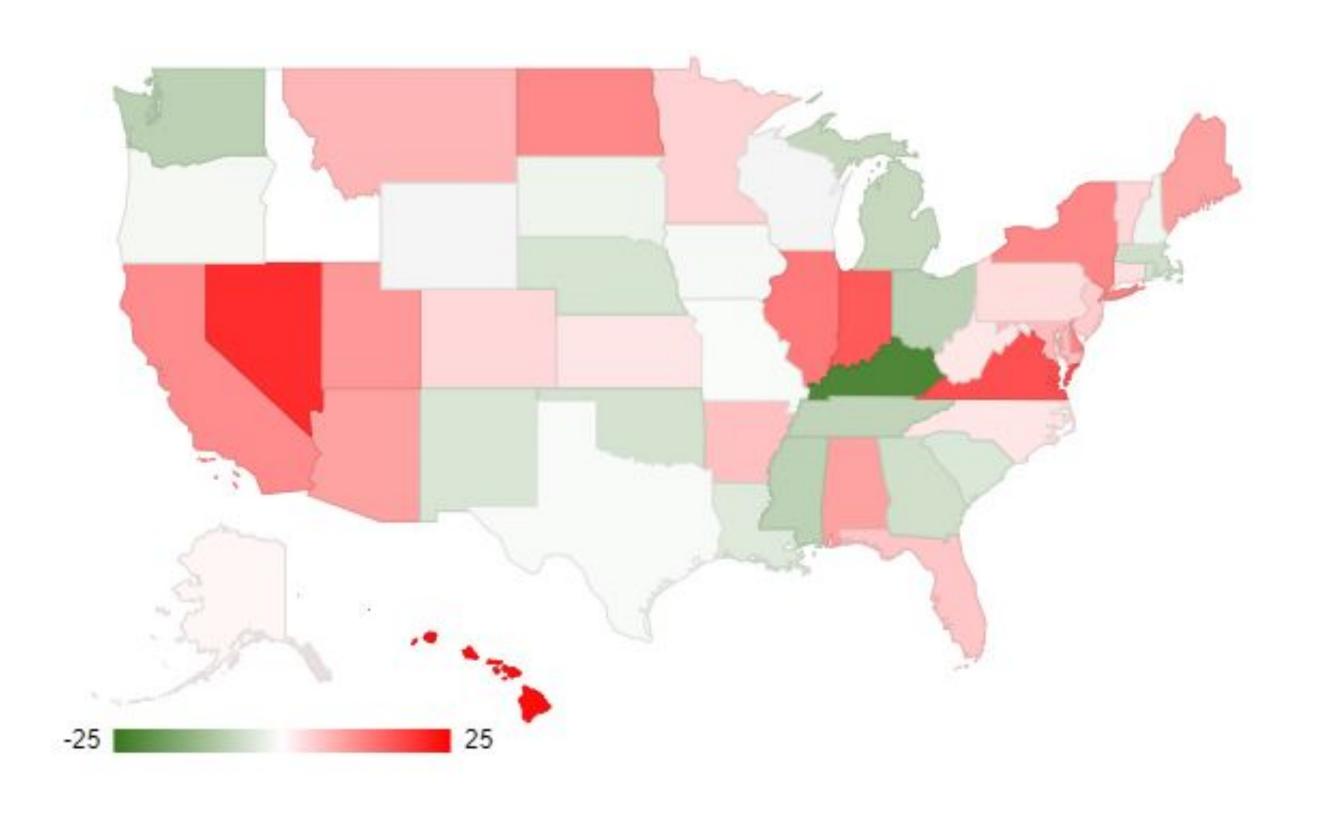


Figure 1A. Difference in percentage of children unmet MHC needs among children from 2016-2019.

Figure 1B. Difference in percentage of children unmet MHC needs among children from 2019-2020.

Table 1. Unmet Mental Health Care needs among Children by Sociodemographics.

Multivariable

	logistic
Characteristic	Regression
Age group	AOR
6-10	1 [Reference]
3-5	1.62**
11-14	0.91
15-17	0.84
Race/Ethnicity	
White, non-Hispanic	1 [Reference]
Black, non-Hispanic	1.91**
Indigenous,	
non-Hispanic	0.60
Asian, non-Hispanic	1.48
Native Hawaiian and	
Other Pac.	1.14
Multi-Race/Other	
Non-Hispanic	1.26
Hispanic	1.25
% Federal Poverty Level	
400+	1 [Reference]
0-99	2.25**
100-199	1.73**
200-399	1.55**
Urbanicity	
Metro	1 [Reference]
Non-metro	1.10
* P < .05, ** P < .01	

RESULTS

- There was no significant improvement in the number of children with unmet MHC needs from 2016-2019 nor 2019-2020.
- By 2020, 20.14% of the pediatric population did not receive MHC when it was needed.
- Nevada had the highest unmet MHC needs overall.
- Compared to White children, Black children were significantly more likely to have unmet MHC.
- Unmet MHC was significantly associated with household income, but not urbanicity.

CONCLUSIONS

- From 2016-2020, there were no significant improvements in unmet MHC needs among children
- Disparities in receiving MHC exist, primarily among Black children and among those between the ages of 3–5.
- Unmet MHC needs could affect the proper development to adulthood, future efforts to minimize barriers to MHC services could reduce unmet MH needs and potentially reduce chronic MH disorders.
- Efforts to improve accessibility of MHC through advocacy, optimized payment options and expansion of evidence-based programs targeting groups most likely to have unmet MHC needs may improve MH outcomes.

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