

# Association of Substance Use and Perinatal Mood and Anxiety Disorders in Pregnancy

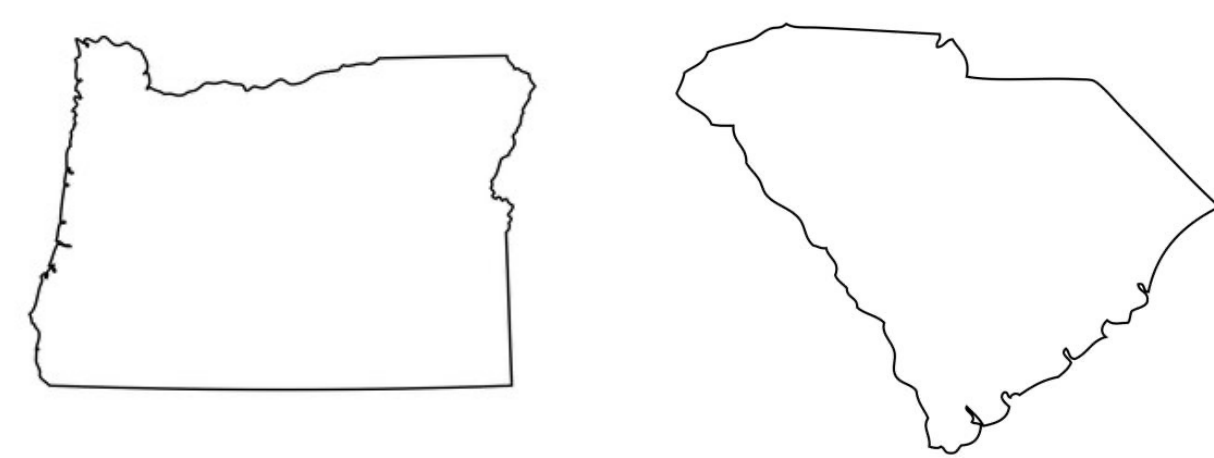
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## Introduction

- Perinatal mood and anxiety disorders (PMAD) & substance use disorders (SUD) are associated w/ adverse outcomes in pregnancy<sup>1,2</sup>
- Suicide and overdose = leading causes of maternal mortality<sup>3</sup>
- Medicaid population at particularly high risk of both PMAD and SUD<sup>4</sup>
- We aim to assess the relationship of PMAD and SUD in a population of Medicaid-covered births

## Materials and methods

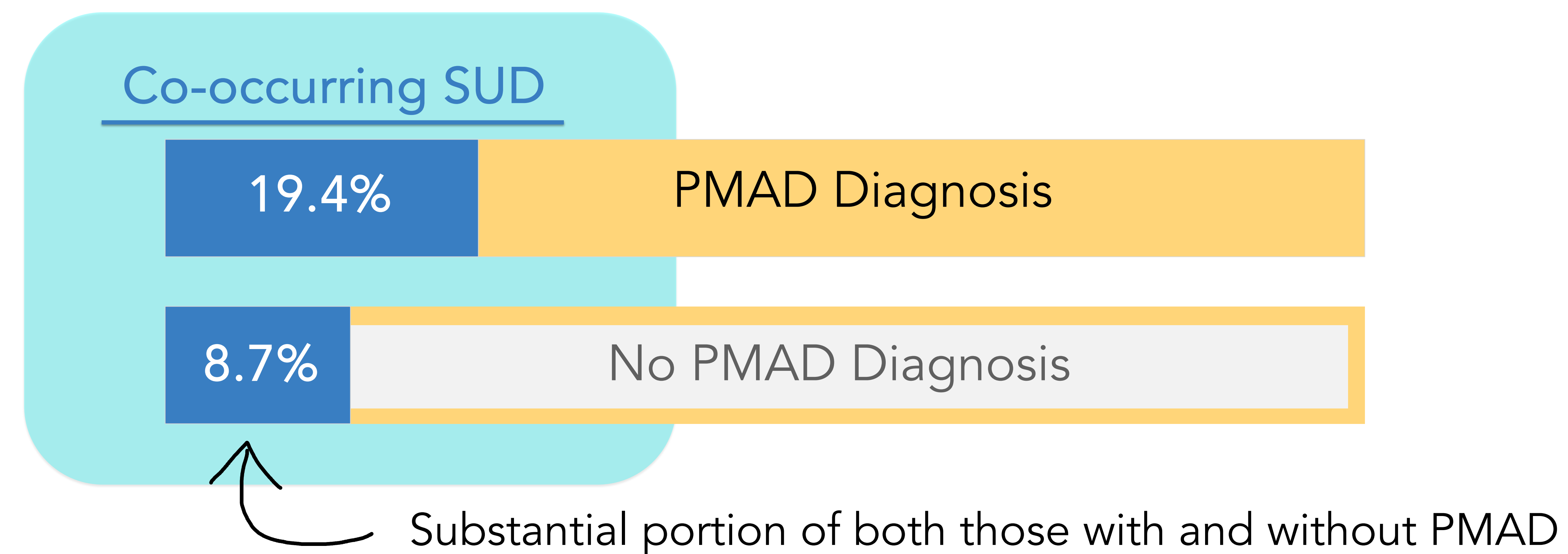
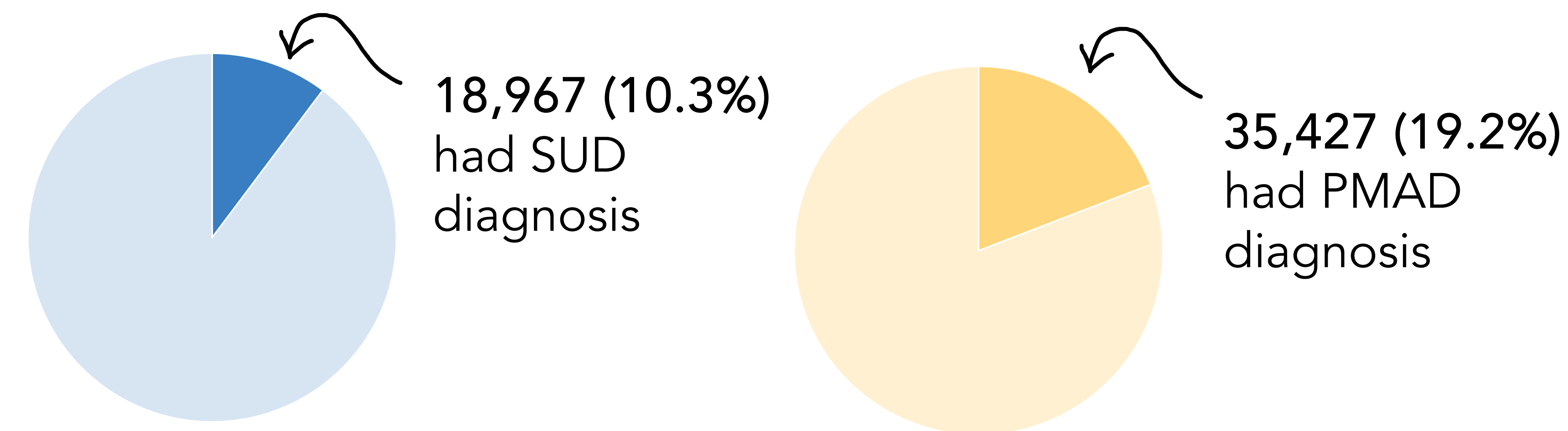
- Retrospective cohort study
- Medicaid-insured births 2016-2020 in Oregon and South Carolina



- Linked birth certificate records and Medicaid claims data

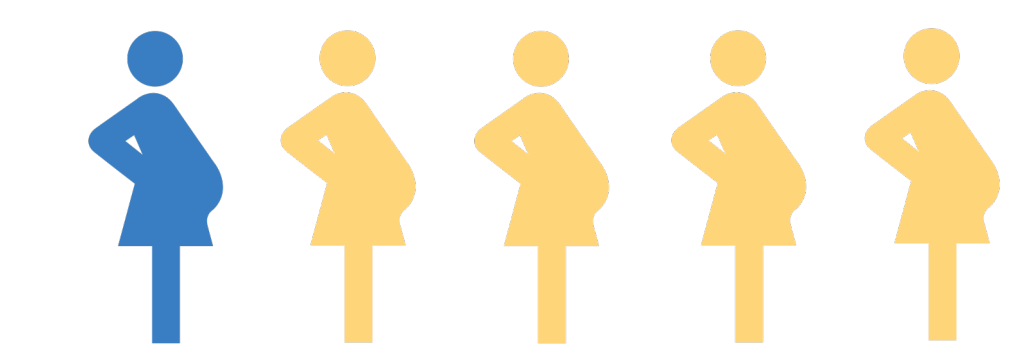
## Results

Out of 184,981 births...



## Conclusions

- 1 in 5 patients with PMAD have a co-occurring SUD



- A substantial portion of patients without a diagnosed PMAD had SUD
- Medicaid patients less likely to be screened for PMAD, thus these data are likely lower bounds of detection
- This study demonstrates the importance of universal screening for SUD and PMAD during pregnancy
- Further research is needed on the impact of co-occurring SUD and PMAD

## Literature cited

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2. Van Niel MS, Payne JL. Perinatal depression: A review. Cleve Clin J Med. 2020 May;87(5):273-277.
3. Bruzelius E, Martins SS. US Trends in Drug Overdose Mortality Among Pregnant and Postpartum Persons, 2017-2020. JAMA. 2022 Dec 6;328(21):2159-2161.
4. Klawetter S, McNitt C, Hoffman JA, Glaze K, Sward A, Frankel K. Perinatal Depression in Low-Income Women: A Literature Review and Innovative Screening Approach. Curr Psychiatry Rep. 2020;22(1):1

## Acknowledgments

This study was funded by NIHMD 5R01MD013648-04 (Rodriguez)

## Further information

Please feel free to contact Erin at [nacev@ohsu.edu](mailto:nacev@ohsu.edu) with any thoughts or questions

