

## Epidemiological Profile of Gestational Syphilis Cases in Brazil Between 2020 and 2023: Insights for Public Health Improvement

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### INTRODUCTION & AIM

Gestational syphilis remains a significant public health issue due to its severe maternal and neonatal complications. Understanding its epidemiological profile in Brazil is essential for guiding public health interventions and reducing its impact on vulnerable populations.

### METHOD

A cross-sectional, descriptive, retrospective, and quantitative study was conducted on cases of gestational syphilis across Brazil's five regions between January 2020 and December 2023. Data were collected through the Department of Informatics of the Brazilian Unified Health System (DATASUS), as well as from the 2022 census conducted by the Brazilian Institute of Geography and Statistics (IBGE). The analysis included variables such as age groups, patient race, sex, and regional distribution.

### CONCLUSION

The elevated number of gestational syphilis cases in Brazil from 2020 to 2023 underscores persistent regional disparities in healthcare access. The disproportionately high rates in the North may be linked to limited healthcare infrastructure and socioeconomic vulnerabilities. These findings highlight the urgent need for targeted public health interventions to address the unique challenges faced by this region.

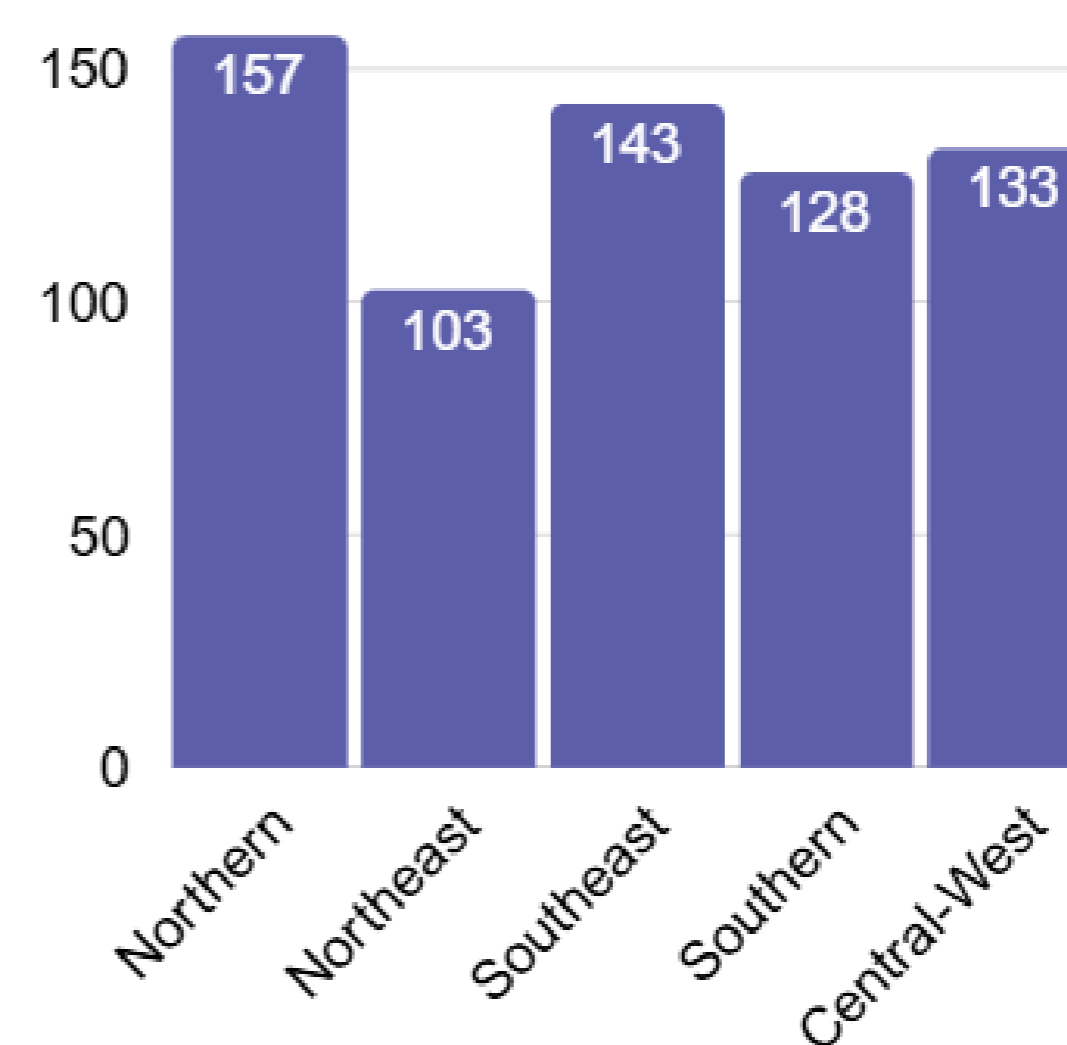
### REFERENCES

- Department of Informatics of the SUS (DATASUS). TabNet: Mortality and Morbidity Information System. Ministry of Health, Brazil.
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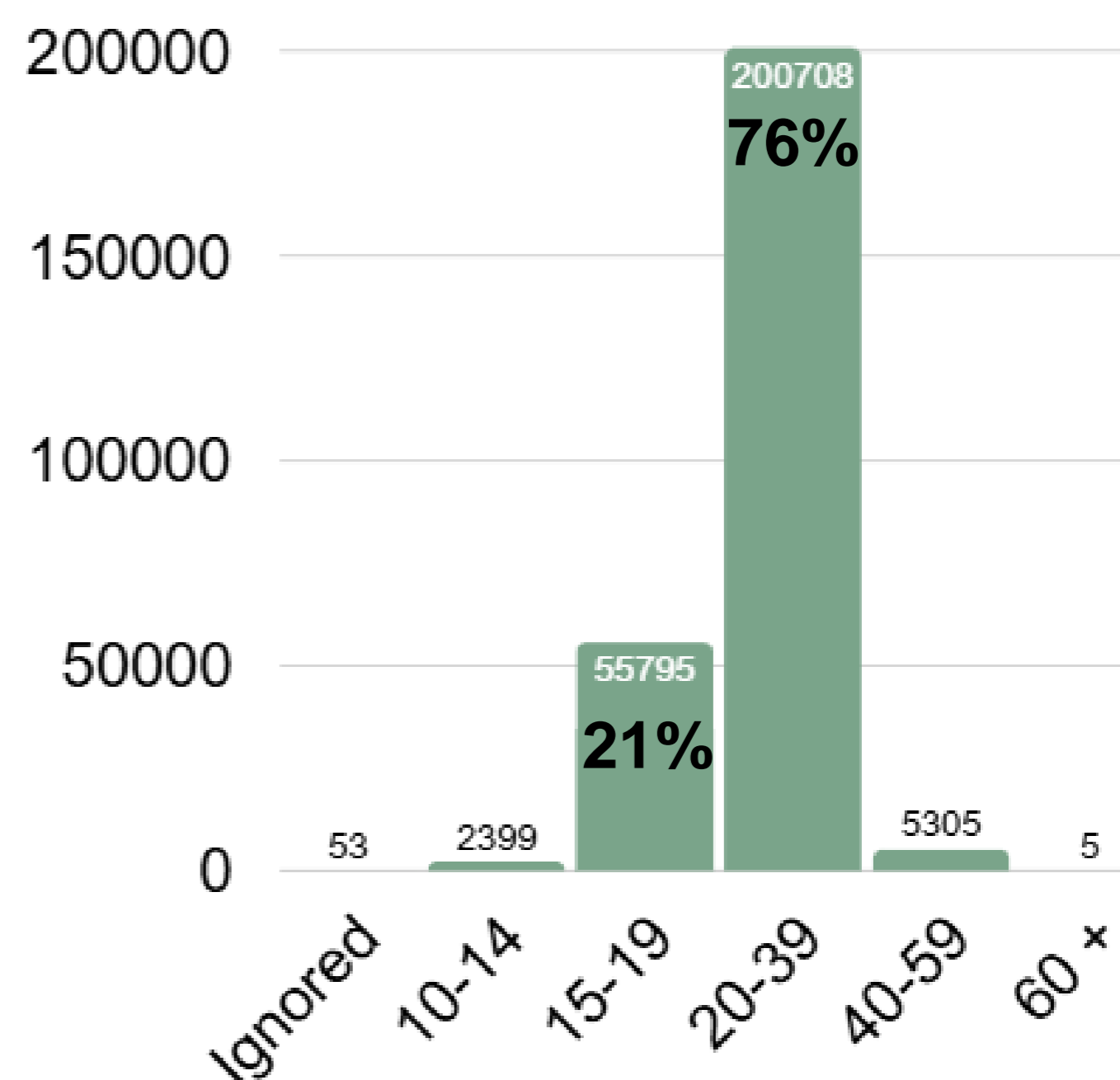
### RESULTS & DISCUSSION

Total number of confirmed cases of gestational syphilis in Brazil between 2020 and 2023: **264,265**

1. Confirmed cases of gestational syphilis per 100,000 inhabitants in Brazilian regions between 2020 and 2023.



2. Confirmed cases of gestational syphilis in Brazilian women according to age between 2020 and 2023.



3. Confirmed cases of gestational syphilis in Brazilian women according to ethnicity between 2020 and 2023.

