

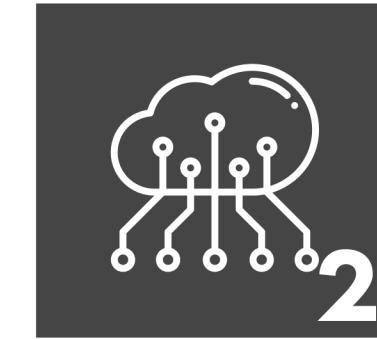
# **CTG Results and Fetal Health**

**Presented by JD Mentz**

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**Model Intent**



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# Model Intent - Metrics



## Recall

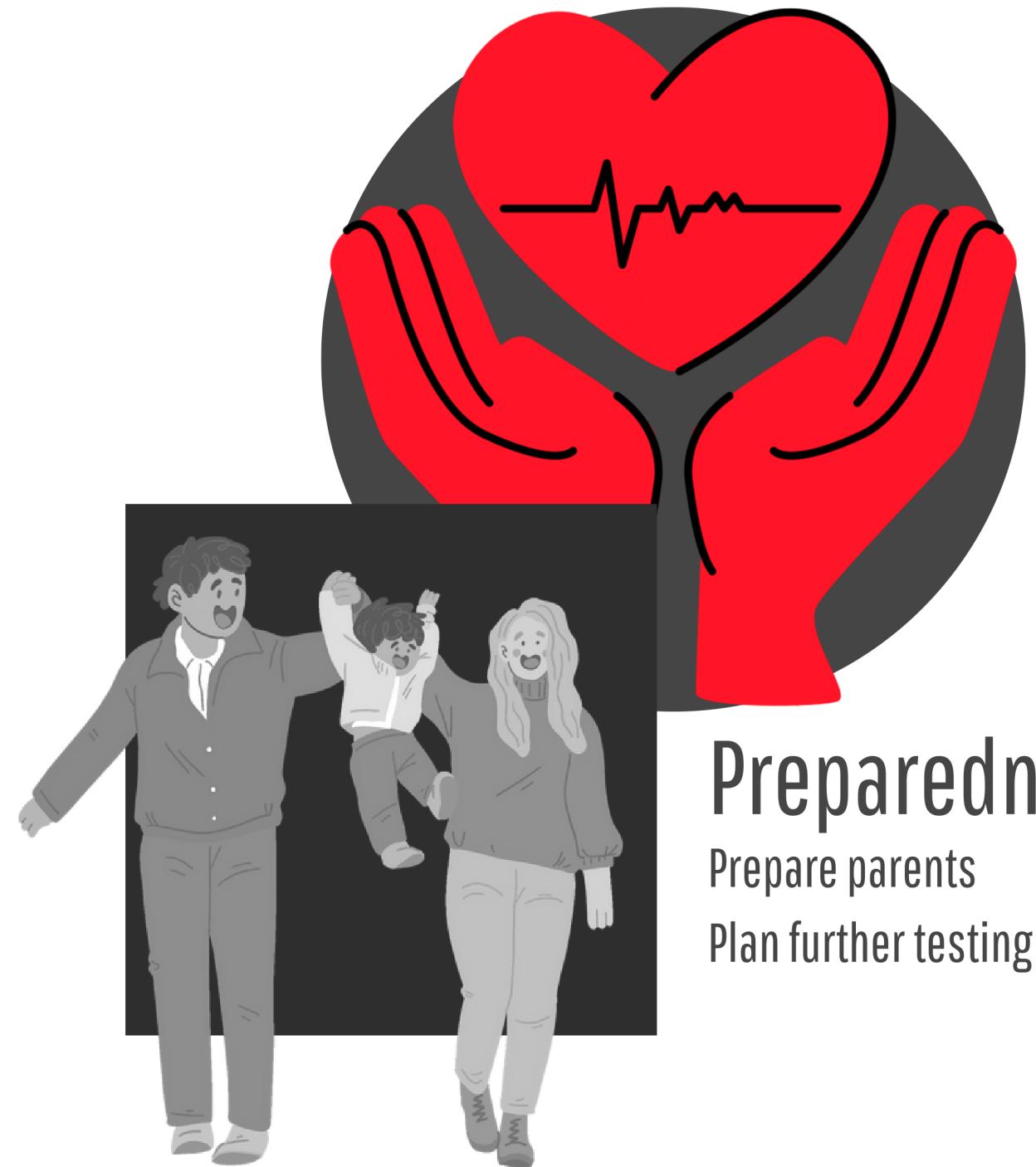
- Not concerned with normal
- VERY concerned about missing an issue

# Model Intent - Goals



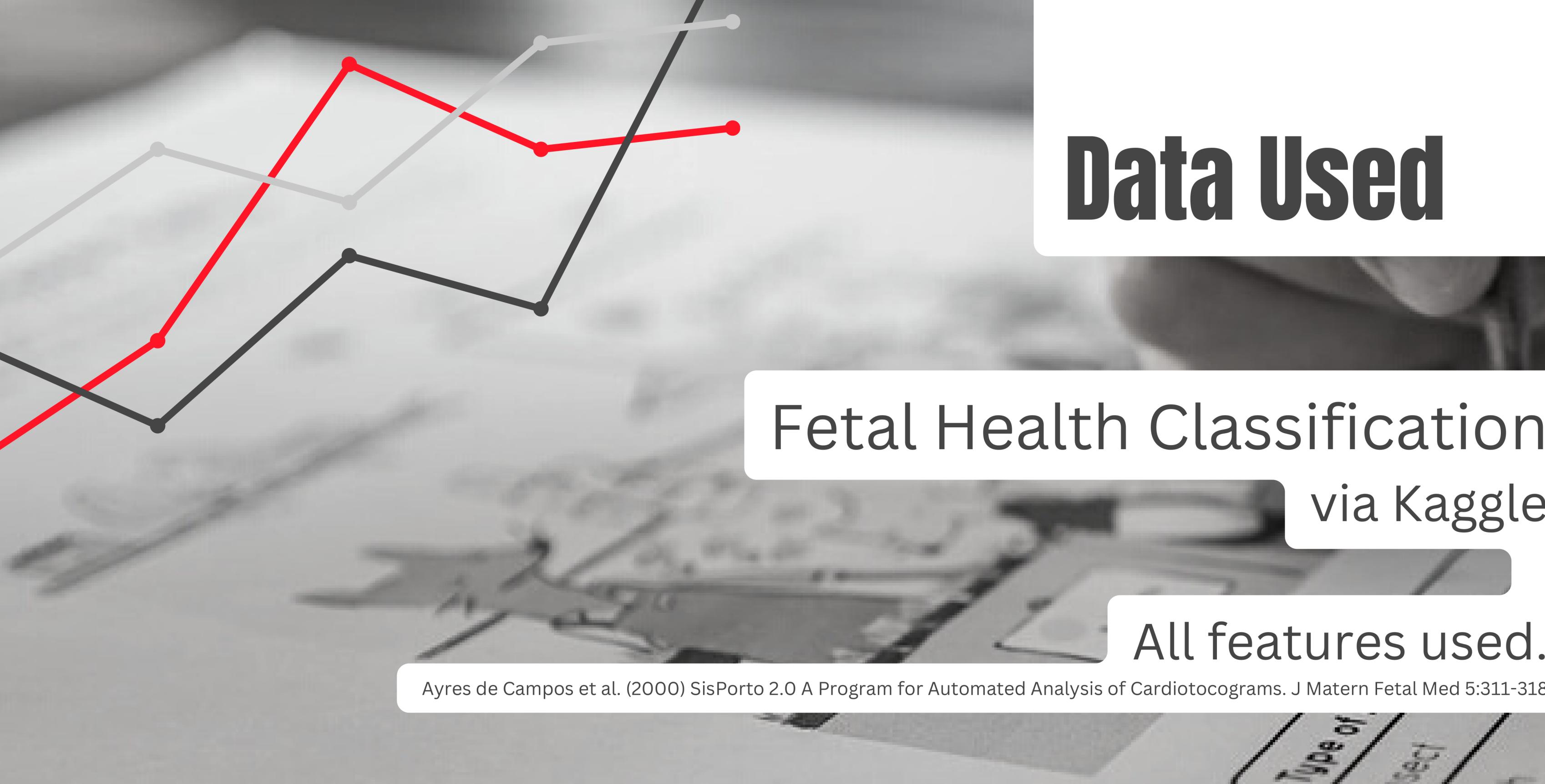
## Detection

Detect Anomalies  
Investigate Issues



## Preparedness

Prepare parents  
Plan further testing



# Data Used

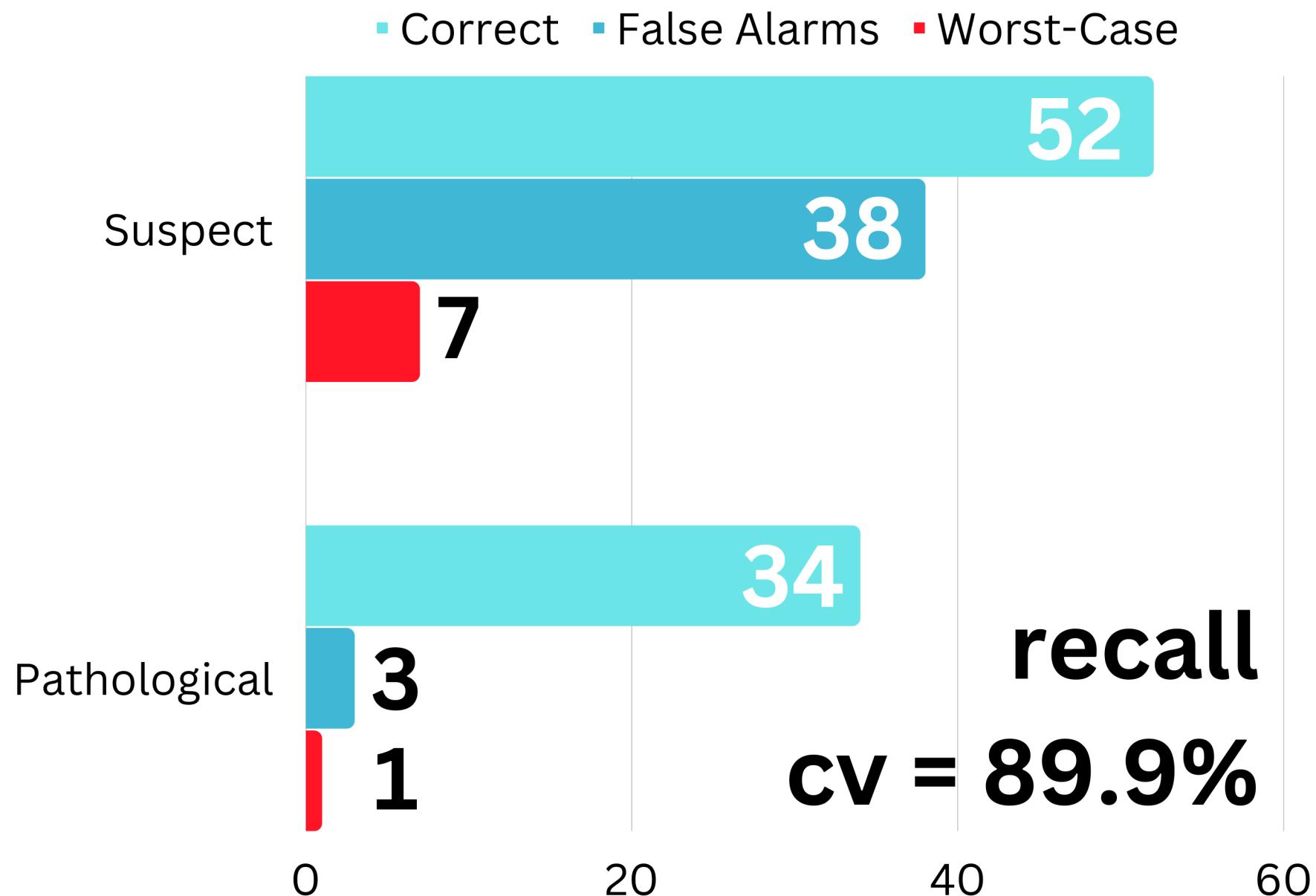
Fetal Health Classification  
via Kaggle

All features used.

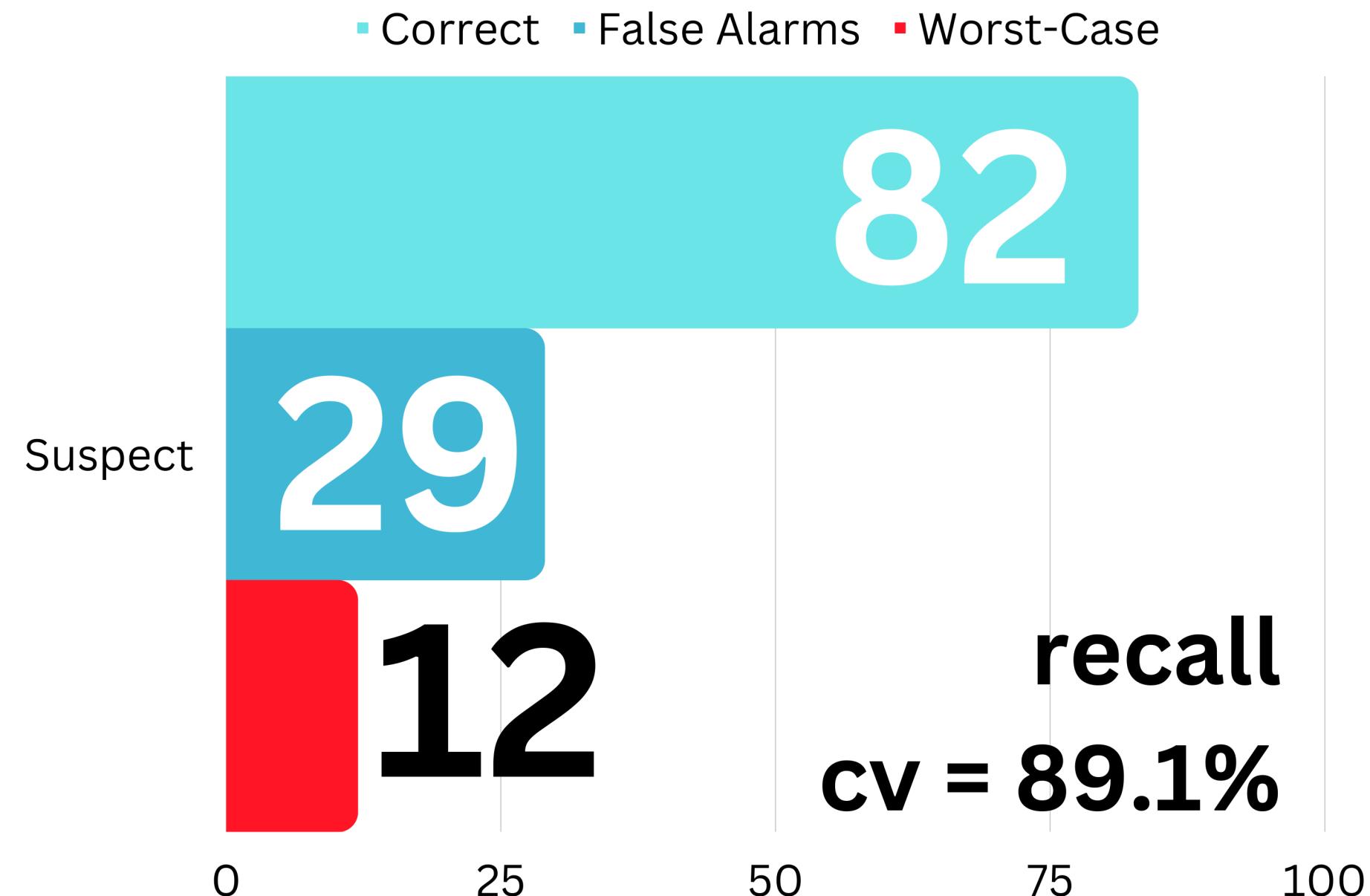
Ayres de Campos et al. (2000) SisPorto 2.0 A Program for Automated Analysis of Cardiotocograms. J Matern Fetal Med 5:311-318

# Model Explanations

## Multi-Class



## Single Class



# Conclusion

- Preliminary Diagnostics
- Additional Tool
- Rapid Results



**THIS MODEL IS NOT A DOCTOR**

# Next Steps

More Data

More Robust Methods

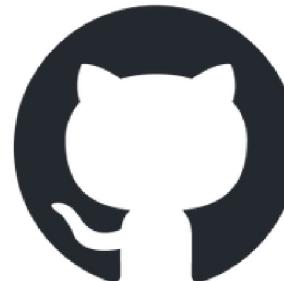
More MD Input



# Thank You!

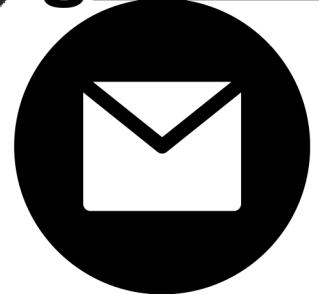
Q&A?

Contact and project info below!



[github.com/ParkedHampster](https://github.com/ParkedHampster)

[github.com/ParkedHampster/Fetal-Health-Classification-Prediction](https://github.com/ParkedHampster/Fetal-Health-Classification-Prediction)



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