

ANALYSIS OF SPECIALIZED PRETERM BIRTH SCREENING CLINIC OUTCOMES IN LUTON AND DUNSTABLE HOSPITAL

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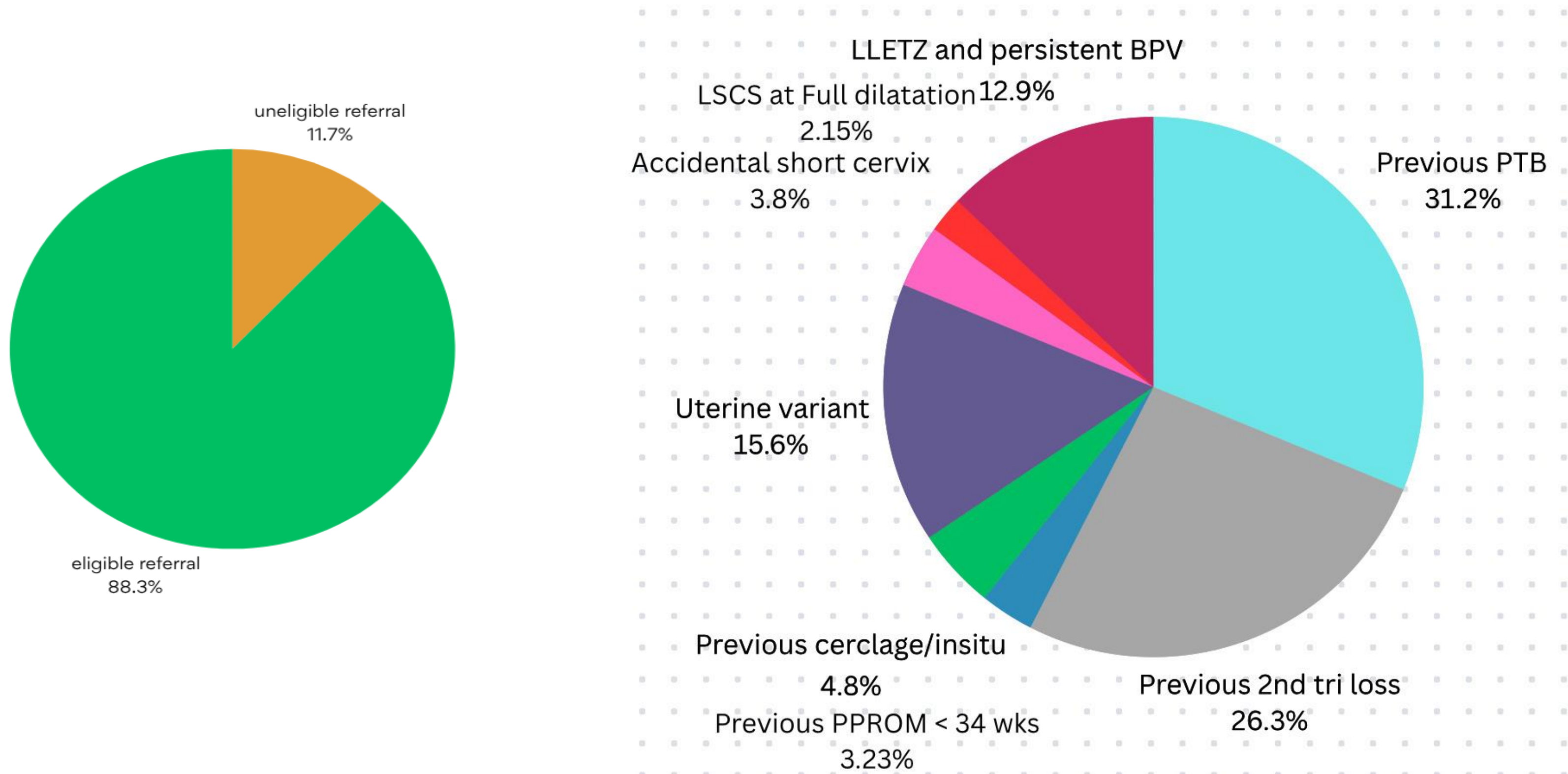
LUTON AND DUNSTABLE HOSPITAL

INTRODUCTION

- Preterm birth remains the major cause of neonatal mortality, even in developed countries, despite major improvement in neonatal care
- Risk assessment, surveillance and management pathway for women at risk of preterm birth can reduce the preterm birth rate
- This audit aligns with *Saving Babies' Lives Care Bundle Version 3 (SBLCBv3)*, which emphasizes early detection and management of preterm birth risk women

OBJECTIVE

- evaluates the performance of SPBSC at L&D hospital in 2024
- assess referral appropriateness
- timing of evaluation
- correlation between cervical length and gestational outcomes

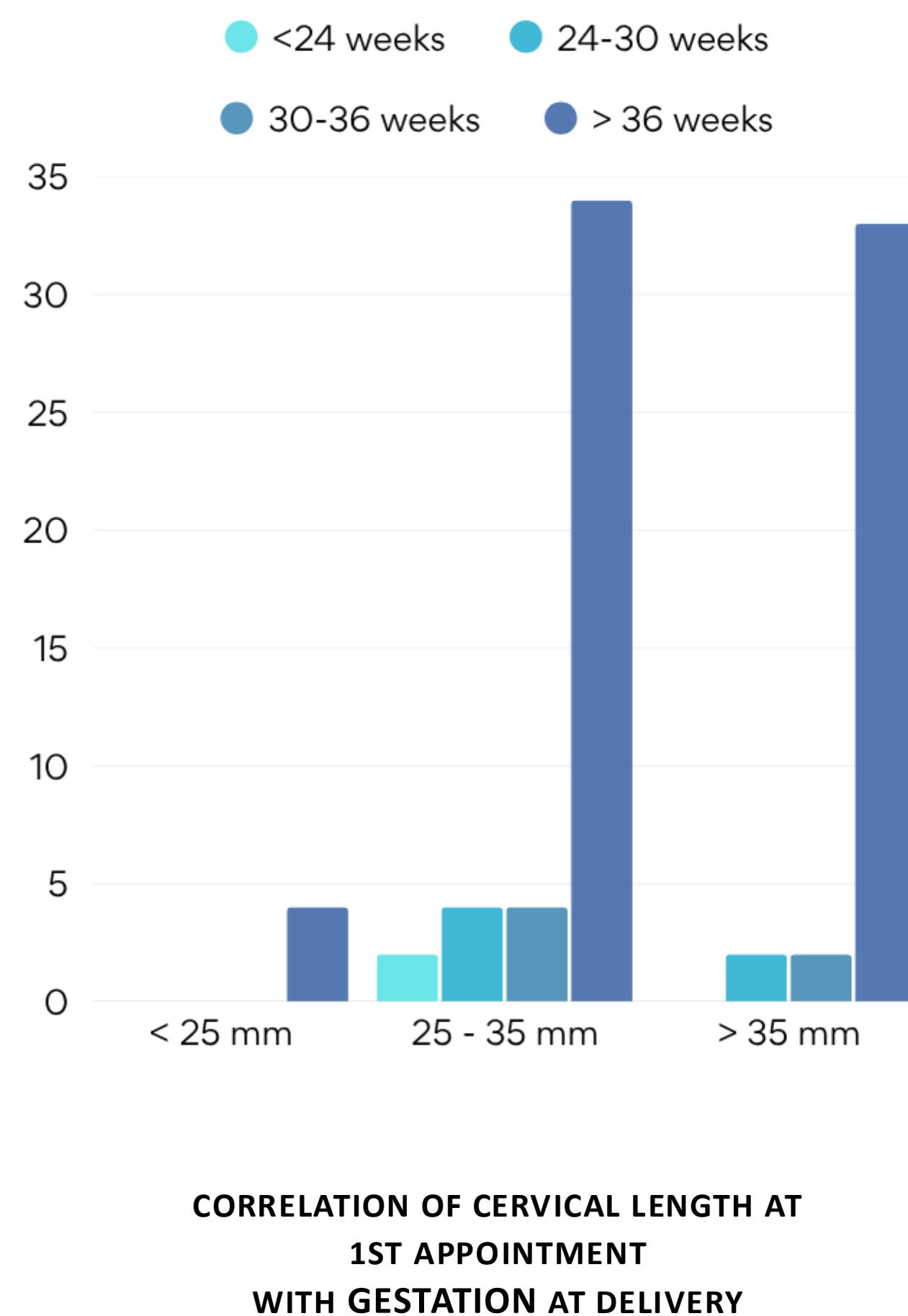


METHODOLOGY

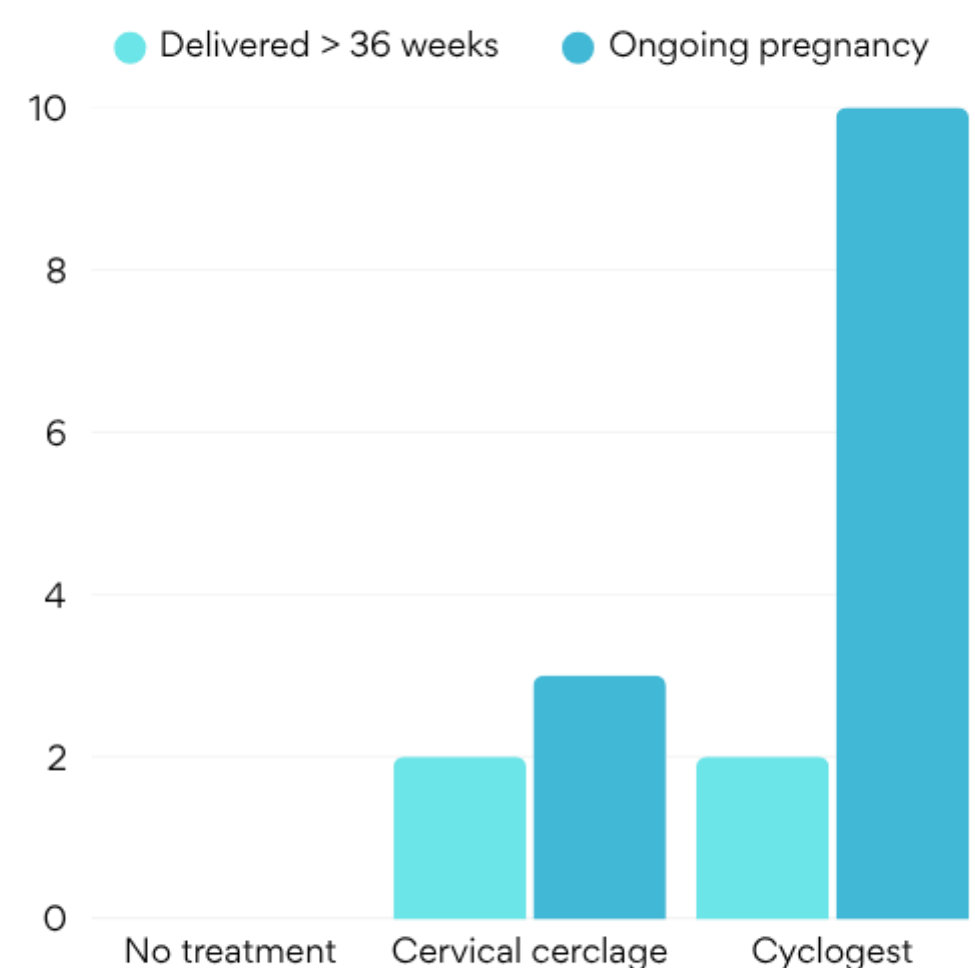
Retrospective cohort analysis was conducted on women referred to the clinic between January and December 2024

RESULTS

- Total of 230 women attended the clinic
- **88.26 % (n=203)** met eligibility criteria
- Majority of eligible referrals were for **Previous Preterm birth (31.18%)** and **second-trimester loss (26.34%)**
- majority **56 %** were evaluated between **16-18 weeks**
- **57 %** women with Cervical length **<25 mm** at first appointment delivered after 36 weeks
- **41%** with cervical length **25-35 mm** delivered after 36 weeks,
- **53%** with cervical length **>35 mm** delivered after 36 weeks
- These findings emphasize the role of early cervical length assessment in guiding intervention and improving outcomes



CORRELATION OF CERVICAL LENGTH AT
1ST APPOINTMENT
WITH GESTATION AT DELIVERY



TREATMENT AND OUTCOMES OF WOMEN WITH
CERVICAL LENGTH < 25 MM (N = 7) AT 1ST APPOINTMENT

RECOMMENDATION

- **Improve referral Accuracy** : enhance training for referrers to ensure 100% of referrals meet eligibility criteria
- **Encourage earlier evaluation** : to prioritize early gestational evaluation for high risk, maximize intervention window
- **Targeted Intervention** : develop standardized pathways for women with cervical length < 25mm, incorporating early interventions like progesterone therapy or cervical cerclage
- **Ongoing Data Analysis**