Introduction

**BACKGROUND**
- Growth restricted infants face greatest risk of death and disability
- Detection of in-utero growth restriction aids in early intervention
- Accurate gestational dating through last menstrual period (LMP) + ultrasound (U/S) provides foundation for successful monitoring

**OPPORTUNITY**
- Few low-resource facilities use standardized measurements
- New set of global standards (INTERGROWTH-21st) for accurate gestational dating and detection of fetal growth disturbances via routine prenatal U/S

**APPROACH**
- Implementation study that explored acceptability and feasibility of implementing INTERGROWTH-21st U/S standards in Jacaranda Maternity, serving low and middle income mothers in peri-urban Nairobi.

**Methods**

<table>
<thead>
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<th>Pre-implementation phase</th>
<th>Implementation phase</th>
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<td>12 months</td>
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<tr>
<td>Baseline data collection (2340 clients)</td>
<td>Assess client perceptions</td>
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<tr>
<td>Supply procurement</td>
<td>Assess provider perceptions</td>
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<tr>
<td>ANC protocol/charting updates</td>
<td>Assess uptake of new standards</td>
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<td>Provider training</td>
<td>Sample size: 2271 clients</td>
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**Results**

"I wanted to confirm the delivery dates...the scan is very important to know how my baby is..."
- JH Client

"Actually, we need to have them [INTERGROWTH-21st standards]... They make our work easier and make us efficient so I think that we should have them and continue using them."
- JH provider

**Conclusions**

- Overall positive client perceptions, but there is a need for clear provider-client communication
- Overall positive provider perceptions, but incentive pay is necessary for success
- Increased uptake of new gestational dating standards after addressing clinical flow bottlenecks
- Many implications discovered for future implementors of INTERGROWTH-21st standards

**Graph:**
- New clinic flow model initiated
- % coverage of eligible clients
- Barriers to success: no picture print-out, unable to tell gender from scan, increased wait times
- Barriers to success: lack of incentive pay for new skill set
- Enabler of success: Adjustment of clinic flow to increase provider uptake