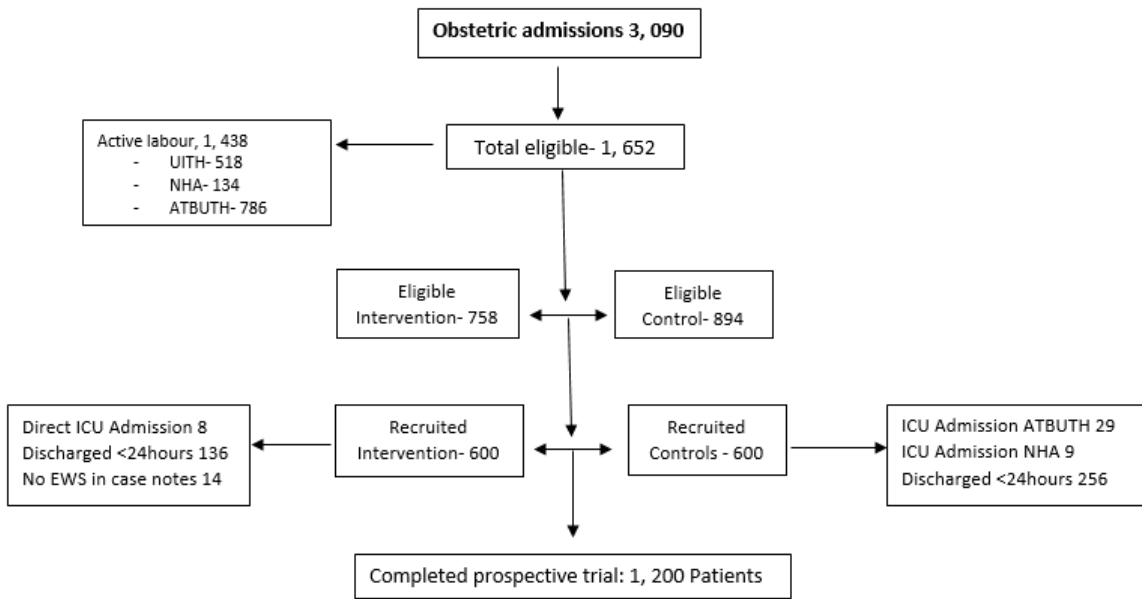


**Participants Flow**



## Baseline characteristics

**Table 1: Characteristics of study participants**

Characteristic	Baseline (n=1200)			Post-implementation (n=1200)		
	Intervention (n=600)	Control (n=600)	<i>P-value</i>	Intervention (N=600)	Control (n=600)	<i>P-value</i>
Age (years)	30.0 (5.3)	28 (6.4)	0.348	30 (5.2)	28 (6.3)	0.169
Weight (kg)	72.0 (14.4)	63 (14.2)	<b>0.038</b>	70 (11.7)	62.7 (13)	<b>0.023</b>
Height (m)	1.61 (0.05)	1.58 (0.09)	0.673	1.6 (0.06)	1.6 (.09)	0.334
*LOS (days)	3.6 (3.2)	2.4 (1.8)	0.368	3.7 (3.5)	2.3 (1.6)	0.714
Booked (%)	60.8	72.2	<b>0.024</b>	65.7	68.4	0.155
Booking GA (days)	24.8 (8.4)	25.5 (8.1)	0.906	24.6 (8.4)	25.1(8.1)	0.531
ANC visits	2.6 (1.3)	4.3 (2.3)	<b>0.036</b>	2.7 (1.7)	4.4 (2.3)	<b>0.042</b>
Parity	2.2 (1.4)	2.9 (2.3)	0.305	2.2 (1.3)	3.0 (2.3)	0.181

LOS: Length of hospital stay; Booked- patients registered for ANC; Booking GA- Gestational age at ANC registration

## Outcome measures

**Table 2: Prevalence of outcome measures before and after EWS implementation**

Variable	Intervention (n=1200)			Control (n=1200)		
	Before (n=600)	After (n=600)	P-value	Before (n=600)	After (n=600)	P-value
Maternal death/1000LB	1.3	1.5	0.432	1.4	1.3	0.115
Haemorrhage	10.7	11.1	0.313	5.2	4.9	0.112
Sepsis	12.2	12.7	0.226	8.8	8.7	0.354
Hypertensive disorders	10.5	9.8	0.081	7.5	7.6	0.881
Prolonged labour	10.3	10.4	0.174	7.7	8.0	0.326
Obstructed labour	9.8	9.8	0.261	1.3	1.8	0.099
Thromboembolism	0.3	0.2	N/A	0.0	0.0	N/A
Abortions	5.8	6.4	0.132	2.5	2.4	0.668
Hospital stay (mean, IQR days)	2 (1, 5)	2 (1, 4)	0.131	2.4 (1.8)	2.3 (1.6)	0.117
ICU admission	0.2	0.2	0.193	0.7	0.4	0.066
CS rate	39.9	31.5	0.002	31.4	36.5	<b>0.004</b>
Vacuum rate	0.53	0.5	0.629	0.5	1.2	0.103
Forceps rate	0	0	NA	0.2	0.2	0.726

**Table 3 Frequency of vital signs monitoring before and after EWS implementation**

Intervention Hospital: Patient Monitoring Indices (PMI)			
	Baseline	After	t-test (p)
Temp (SD)	0.5 (0.4)	0.9 (0.4)	<0.005
Pulse (SD)	0.6 (0.3)	0.9 (0.4)	<0.005
RR (SD)	0.5 (0.4)	0.9 (0.4)	<0.005
BP (SD)	0.6 (0.3)	0.9 (0.4)	<0.005
Control Hospitals: Absolute monitoring frequencies			
	Baseline	After	t-test (p)
Temp (SD)	1.7 (0.9)	1.6 (0.9)	0.234
Pulse (SD)	1.8 (0.9)	1.7 (0.9)	0.123
RR (SD)	1.8 (1.3)	1.8 (1.2)	0.221
BP (SD)	1.8 (0.9)	1.7 (0.9)	0.115

**Adverse effects**

No adverse effects are anticipated