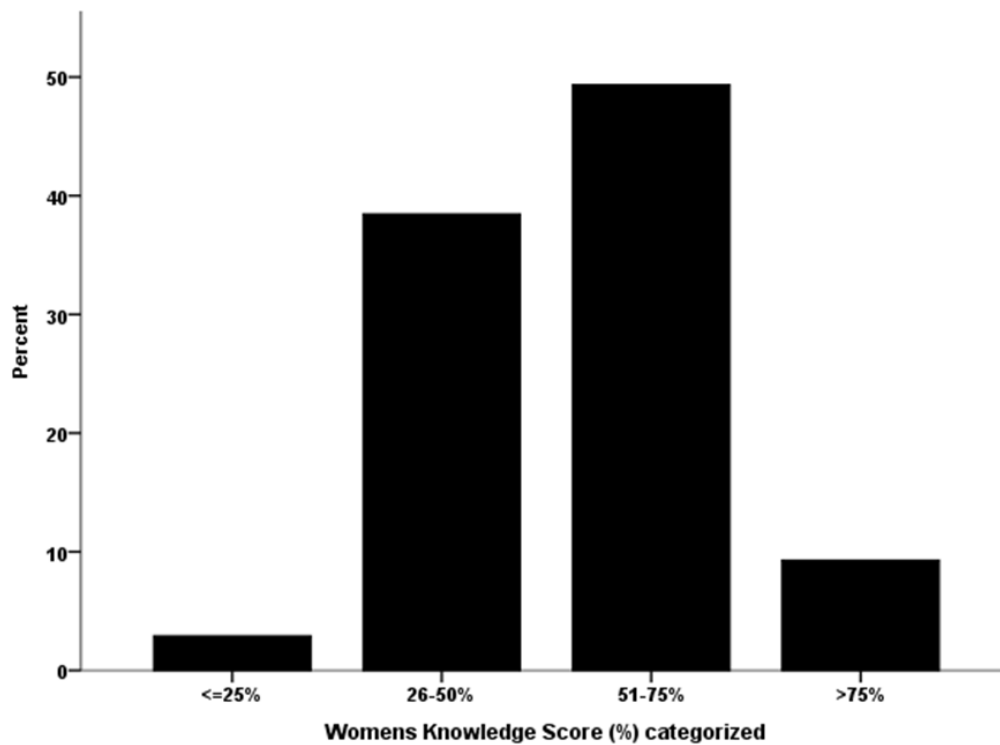


## APPENDIX

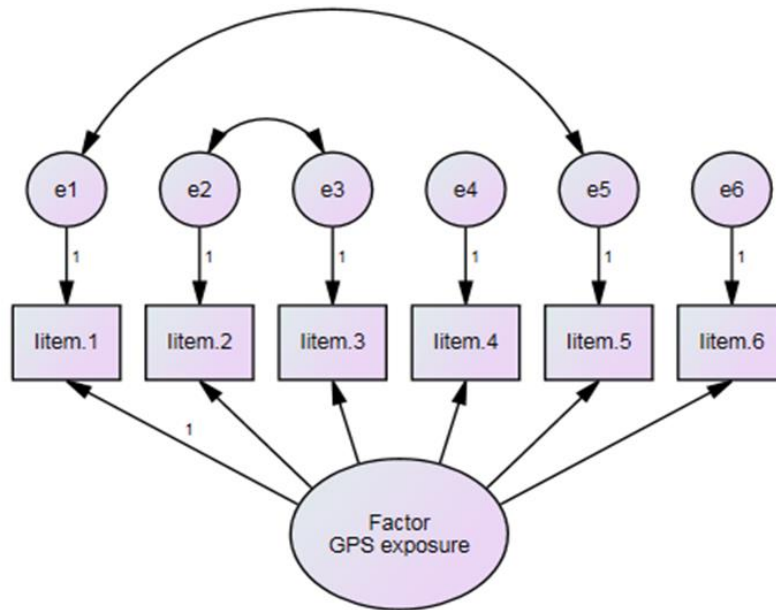
Table-1 Appendix

Descriptive statistics for women's GBS Knowledge score	
Mean	59.8
Median	62.5
Mode	62.5
Std. Deviation	16.3
Range	87.5
Minimum	12.5
Maximum	100
IQR	25
Percentiles	25
	50
	75



**Appendix Figure A:** Women's knowledge score on GBS classified into four equal groups, each group is 25% wide

**Structural Equation Modelling Confirmatory Factor Analysis (CFA) item-factor loadings of the transformed Indicators of women's past exposure to GBS screening**



The Non-linear Categorical Principal Components (NL-CATPCA) analysis was conducted on these six items

- Previous or current GBS colonization
- Receiving information about GBS risk assessment during current pregnancy
- Receiving information about GBS risk assessment during delivery
- Request by caring health care worker to undergo GBS screening
- Being screened for GBS after being requested
- Receiving test result after being done.

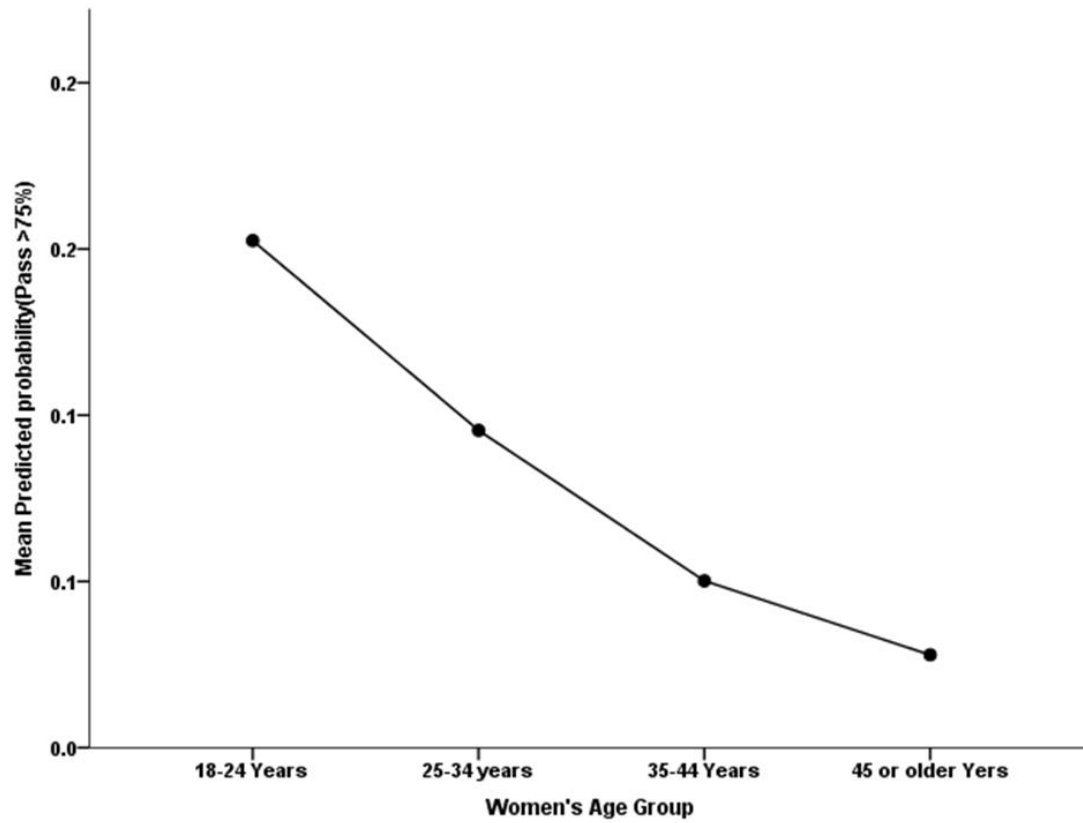
Using Statistical Data Analysis Software (SPSS) to simplify the analysis of these variables. Each item was considered as 1 exposure to GBS. Then, the exposure score was transformed into a scale range between 1 and 100.

**Table-2-Appendix: Bivariate Analysis of women's demographic, medical and gynecological characteristics and knowledge score with their awareness of GBS screening.**

		AWARENESS OF GBS-q8		test statistic	p-value
		NO n=252	YES n=125		
<b>Age</b>					
	18-24 Years	53 (21%)	34 (27.2%)	$\chi^2 (3)=1.99$	0.575
	25-34 years	114 (45.2%)	53 (42.3%)		
	35-44 Years	74 (29.4%)	32 (25.6%)		
	45 or older Yers	11 (4.4%)	6 (4.8%)		
<b>Employment</b>					
	No	222 (88.1%)	103 (82.4%)	$\chi^2 (1)=2.28$	0.131
	Yes	30 (11.9%)	22 (17.6%)		
<b>Educational Level</b>					
	Less than high school	39 (15.5%)	9 (7.2)	$\chi^2 (4)=8.75$	0.076
	Completed high school	69 (27.2%)	32 (25.6%)	LR	
	post-secondary and still studying	54 (21.4%)	32 (25.6%)		
	Completed post-secondary	84 (33.3%)	41 (32.8%)		
	advanced degree	6 (2.4%)	6 (4.8%)		
<b>Number of Pregnancies, mean(SD)</b>		3.6 (2.3)	3.3 (2.1)	t(375)=1.22	0.222
<b>Number of Live deliveries</b>		2.26 (2.1)	2.14 (2)	t(375)=0.57	0.126
<b>Prenatal care provider/ follow up clinic</b>					
	No definite follow up clinic	16 (6.3%)	0	$\chi^2 (3)=15.31$	0.002
	Gov Hospital Clinics	68 (27%)	44 (35.2%)	LR	
	Primary health Care centers	40 (15.9%)	16 (12.8%)		
	Private Hospitals	128 (50.8%)	65 (52%)		
<b>Speciality of the caring Physicians</b>					
	dont follow up	18 (7.1%)	1 (0.8%)	$\chi^2 (2)=8.60$	0.014
	General Practitioner/Family medicine clinician	27 (10.7%)	9 (7.3%)		
	Gynecologist	207 (82.1%)	114 (91.9%)		
<b>Reason for referral</b>					
	Not referred/ visiting the clinic	214 (84.9%)	96 (76.8%)	$\chi^2 (1)=8.60$	0.052
	Referred for further management	38 (15.1%)	29 (23.2%)		
<b>Overall Knowledge Score on GBS , mean (SD)</b>		58.38 (15.9)	62.80 (16.8)	t(236.1)=2.50	0.015
<b>Overall Previous exposure to GBS score, mean(SD)</b>		23.82 (10.8)	37.30 (25.9)	t(145.560)=5.6	<0.001
<b>Who informed you of GBS risk for pregnant women</b>					
	Never been informed	240 (95.2%)	89 (71.2%)	$\chi^2 (4)=41.30$	<0.001
	Nurses and others	1 (0.4%)	4 (3.2%)	LR	
	General Practitioner/Family medicine clinician	1 (0.4%)	5 (4%)		
	Gynecologist	10 (4%)	27 (21.6%)		
<b>Who requested you to undergo an GBS screening</b>					
	Never been requested/unsure	240 (95.2%)	89 (71.2%)	$\chi^2 (2)=43.95$	<0.001
	General Practitioner /family doc	0	5 (4%)	LR	
	Gynecologist	12 (4.8%)	31 (31%)		
<b>When were you tested/requested to undergo GBS during your pregnancy</b>					
	Before first 30 pregnancy weeks	7 (58.3%)	12 (40%)	$\chi^2 (1)=1.20$	0.281
	After 30 pregnancy weeks	5 (41.7%)	18 (60%)		
<b>The best way , in your opinion, to prevent GBS</b>					
	a-Screening Hight risk and symptomatic women	92 (36.5%)	52 (41.6%)	$\chi^2 (1)=0.92$	0.338
	b-screening all women routinely	160 ( 63.5%)	73 (58.4%)		

**Table- 3 Appendix : Bivariate Analysis of the women's demographic , gynecologic history and GBS knowledge score with their attitude toward the GBS screening.**

	Prevention of GPS screening-q21		test statistic	p-value
	SCREENING RISKY WOMEN ONLY n=144	SCREENING ALL WOMEN n=233		
<b>Age</b>				
18-24 Years	27 (18.8%)	60 (25.8%)	$\chi^2 (3)=4.93$	0.177
25-34 years	62 (43.1%)	105 (45.1%)		
35-44 Years	49 (34%)	57 (24.5%)		
45 or older Yers	6 (4.2%)	11 (4.7%)		
<b>Employment</b>				
No	127 (88.2%)	198 (85%)	$\chi^2 (1)=0.78$	0.379
Yes	17 (11.8%)	35 (15%)		
<b>Educational Level</b>				
Less than high school	<u>16 (11.1%)</u>	<u>32 (13.7%)</u>	$\chi^2 (4)=6.52$	0.164
Completed high school	43 (29.9%)	58 (24.9%)		
post-secondary and still studying	26 (18.1%)	65 (27.9%)		
Completed post-secondary	53 (36.8%)	72 (30.9%)		
advanced degree	6 (4.2%)	6 (2.6%)		
Number of Pregnancies, mean(SD)	3.6 (2.4)	3.41 (3.41)	t(375)=0.63	0.521
Number of Live deliveries	2.3 (2.1)	2.2 (2)	t(375)=0.57	0.558
<b>Prenatal care provider/ follow up clinic</b>				
No definite follow up clinic	8 (5.6%)	8 (3.4%)	$\chi^2 (3)=2.1$	0.563
Gov. Hospital Clinics	45 (31.2%)	67 (28.8%)		
Primary health Care centers	23 (16%)	33 (14.2%)		
Private Hospitals	68 (47.2%)	125 (53.6%)		
<b>Speciality of the caring Physicians</b>				
Don't follow up	<u>9 (6.2%)</u>	<u>10 (4.3%)</u>	$\chi^2 (2)=0.76$	0.685
General Practitioner/Family medicine clinician	13 (9%)	23 (9.9%)		
Gynecologist	<u>122 (84.7%)</u>	<u>200 (85.8%)</u>		
<b>Reason for referral</b>				
Not referred/ visiting the clinic	119 (82.6%)	191 (82%)	$\chi^2 (2)=0.027$	0.87
Referred for further management	25 (17.4%)	42 (18%)		
Overall Knowledge Score on GBS , mean (SD)	59.8 (16.5)	59.9 (16.2)	t(375)=0.04	0.375
Overall Previous exposure to GBS score, mean(SD)	27.3 (17.3)	28.9 (19.1)	t(375)=0.80	0.423
<b>Who informed you of GBS risk for pregnant women</b>				
Never been informed	122 (84.7%)	207 (88.8%)	$\chi^2 (3)=4.1$	0.247
Nurses and others	3 (2.1%)	2 (0.9%)	LR	
General Practitioner/Family medicine clinician	1 (0.7%)	5 (2.1%)		
Gynecologist	18 (12.5%)	19 (8.2%)		
<b>Who requested you to undergo an GBS screening</b>				
Never been requested/unsure	129 (89.6%)	200 (85.8%)	$\chi^2 (3)=1.42$	0.491
General Practitioner /family doc	1 (0.7%)	4 (1.7%)	LR	
Gynecologist	14 (9.7%)	29 (12.4%)		
<b>When were you tested/requested to undergo GPS during your pregnancy</b>				
Before first 30 pregnancy weeks	7 (46.7%)	12 (44.4%)	$\chi^2 (3)=0.02$	0.89
After 30 pregnancy weeks	8 (53.3%)	15 (55.6%)		



**Appendix Figure B:** The multivariate association between women's age with their propensity of scoring more than 75 percentile on the knowledge questions