

**Supplementary:****S1. Multinomial logit model results for experience of care attributes influencing women's stated preferences for facility-based childbirth**

Attributes & attribute levels	Mean $\beta$ (SE)
<b>Failure to meet standard of care:</b> Lack of informed consent (Ref)	-0.003(0.03)
Neglect, abandonment	-0.130(0.03) <sup>a</sup>
Poor physical examination & procedure	-0.028(0.03)
Meet standard of care	0.155(0.03) <sup>a</sup>
<b>Poor rapport with provider:</b> Lack of supportive care (Ref)	-0.120(0.03) <sup>c</sup>
Poor communication	-0.054(0.03) <sup>c</sup>
Loss of autonomy	-0.076(0.03) <sup>b</sup>
Good rapport with provider	0.010(0.03)
<b>Health system constraints:</b> Staffing constraints (Ref)	0.150(0.04) <sup>a</sup>
Poor facility culture	-0.286(0.03) <sup>a</sup>
Drugs & supply constraints	-0.045(0.03)
Good health system condition	0.481(0.03) <sup>a</sup>
<b>Physical &amp; verbal abuse:</b> Physical & verbal abuse (Ref)	-0.138(0.02) <sup>a</sup>
No physical or verbal abuse	0.138(0.02) <sup>a</sup>
<b>Sexual abuse:</b> Sexual abuse (Ref)	-0.205(0.02) <sup>a</sup>
No sexual abuse	0.205(0.02) <sup>a</sup>
<b>Stigma &amp; discrimination:</b> Stigma & discrimination (Ref)	-0.039(0.02) <sup>a</sup>
No stigma & discrimination	0.039(0.02) <sup>a</sup>
<b>Home delivery:</b> No facility birth benefits or mistreatment	-0.312 (0.02) <sup>a</sup>
Log likelihood	-6445.18
AIC	12916.36

<sup>a-c</sup> Significance at 1% (a), 5% (b), 10% (c) levels

## S2. Mixed logit model results for discrete choice experiment on experience of care attributes influencing women's stated preferences for facility-based childbirth

Attributes & attribute levels	Main effects model (I)	Interaction model (II)
	Mean $\beta$ (SE)	Mean $\beta$ (SE)
<b>Failure to meet standard of care:</b> Lack of informed consent (Ref)	-0.01(0.04)	0.28(0.07) <sup>b</sup>
Neglect & abandonment	-0.13(0.04) <sup>a</sup>	-0.30(0.10) <sup>b</sup>
Poor physical examination & procedure	-0.05(0.03)	0.08(0.07)
Meet standard of care	0.19(0.03) <sup>a</sup>	0.10(0.09)
<b>Poor rapport with provider:</b> Lack of supportive care (Ref)	0.14(0.04)	0.14(0.04) <sup>c</sup>
Poor communication	-0.07(0.03) <sup>b</sup>	-0.07(0.03) <sup>b</sup>
Loss of autonomy	-0.09(0.03) <sup>b</sup>	-0.09(0.03) <sup>b</sup>
Good rapport with provider	0.02(0.03)	0.02(0.03)
<b>Health system constraints:</b> Staffing constraints (Ref)	-0.23(0.04) <sup>a</sup>	-0.25(0.05) <sup>b</sup>
Poor facility culture	-0.31(0.03) <sup>a</sup>	-0.33(0.05) <sup>a</sup>
Drugs & supply constraints	-0.05(0.04)	-0.07(0.05)
Good health system condition	0.59(0.04) <sup>a</sup>	0.65(0.12) <sup>a</sup>
<b>Physical &amp; verbal abuse:</b> Physical & verbal abuse (Ref)	-0.16(0.02) <sup>a</sup>	-0.21(0.04) <sup>a</sup>
No physical or verbal abuse	0.16(0.02) <sup>a</sup>	0.21(0.06) <sup>a</sup>
<b>Sexual abuse:</b> Sexual abuse (Ref)	-0.26(0.03) <sup>a</sup>	-0.16(0.07) <sup>b</sup>
No sexual abuse	0.26(0.03) <sup>a</sup>	0.16(0.07) <sup>b</sup>
<b>Stigma &amp; discrimination:</b> Stigma & discrimination (Ref)	-0.04(0.02) <sup>a</sup>	-0.04(0.02) <sup>a</sup>
No stigma & discrimination	0.04(0.02) <sup>a</sup>	0.04(0.02) <sup>a</sup>
<b>Home delivery:</b> No facility birth benefits or mistreatment	-0.82(0.07) <sup>a</sup>	-0.76(0.11) <sup>a</sup>
<b>Sociodemographic interactions</b>		
<u>Fulani</u> * Neglect & abandonment		0.14(0.10)
<u>Fulani</u> * Meet standard of care		0.15(0.10)
<u>Fulani</u> * Good health system condition		0.02(0.11)
<u>Fulani</u> * No physical or verbal abuse		-0.04(0.08)
<u>Fulani</u> * No sexual abuse		0.16(0.09) <sup>c</sup>
<u>&gt;=30yrs</u> * Neglect, abandonment		0.01(0.11)
<u>&gt;=30yrs</u> * Meet standard of care		0.09(0.11)
<u>&gt;=30yrs</u> * Good health system condition		-0.16(0.12)
<u>&gt;=30yrs</u> * No physical or verbal abuse		-0.03(0.08)
<u>&gt;=30yrs</u> * No sexual abuse		0.10(0.10)
<u>High-level</u> education* Neglect, abandonment		0.15(0.11)
<u>High-level</u> education* Meet standard of care		0.07(0.11)
<u>High-level</u> education* Good health system condition		0.03(0.12)
<u>High-level</u> education* No physical or verbal abuse		-0.02(0.09)
<u>High-level</u> education* No sexual abuse		0.18(0.10) <sup>c</sup>
<u>Upper-SES</u> * Neglect, abandonment		0.21(0.10) <sup>b</sup>
<u>Upper-SES</u> * Meet standard of care		0.08(0.11)
<u>Upper-SES</u> * Good health system condition		0.03(0.12)
<u>Upper-SES</u> * No physical or verbal abuse		-0.10(0.08)
<u>Upper-SES</u> * No sexual abuse		-0.09(0.10)
Log likelihood	-5701.20	-5691.07
AIC	11454.41	11474.14

<sup>a-c</sup> Significance at 1% (a), 5% (b), 10% (c) levels

Home delivery: opt-out option for not choosing to deliver in a health facility

Model I: main effects mixed multinomial logit model estimating preferences for attribute levels

Model II: mixed multinomial logit model of interactions with sociodemographic characteristics - ethnicity (others vs Fulani), age (>=30years vs <=29 years), Education (high-level vs low-level) and socioeconomic status (SES) (upper-SES (upper 40%) vs low-SES (lower 60%)).