

SUPPLEMENTARY FILE 4:**Equity and intrapartum care by skilled birth attendant globally: data extraction form****Notes:**

- Please be consistent in the order and style used to enter information for each item.
- Please record missing data as unclear or missing in the study report.
- If an item is not applicable, please mark as NA.

General information

<i>General Data</i>	
1. Study ID	
2. Date form completed (dd/mm/yy)	
3. Primary author	
4. Name of reviewer	
5. Study title	
6. Year of publication	
7. Journal	
8. Country	
9. Study funding source	
10. Conflict of interest (reviewer)	<input type="checkbox"/> Yes <input type="checkbox"/> No

Study Eligibility

Review of inclusion criteria					
Study characteristics	Eligibility criteria	Eligibility criteria met?			Location in text or source (pg/fig/table)
		Yes	No	Unclear	
1. Population	Women who experienced childbirth within the scope of the specific study.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. Intervention	Access to skilled care with SBA or institutional deliveries	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. Comparison	Utilization of non-SBA birth attendants or traditional birth attendants at the time of delivery.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Outcome	Evaluation of inequity in access to SBA at the time of childbirth.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. Study design	All observational quantitative studies on human subjects (including but not limited to prospective and retrospective cohort studies, cross-sectional studies, mix-methods studies).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Context	All countries with health facility and/or community-based services offering childbirth care.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Results	Quantitative results of the association between potential determinants and access to SBA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8. Decision	<input type="checkbox"/> Include <input type="checkbox"/> Exclude				
9. Reason for exclusion					
Notes: 					

DO NOT PROCEED IF STUDY IS EXCLUDED FROM THIS REVIEW

Methods

Study characteristics	
10. Aim of study	
11. Study design	<input type="checkbox"/> cross-sectional <input type="checkbox"/> cohort <input type="checkbox"/> mixed-methods <input type="checkbox"/> other: _____
12. Unit of allocation (part/person/group)	
13. Start date (dd/mm/yy)	
14. End date (dd/mm/yy)	
15. Duration of participation (from recruitment to last follow up)	
16. Ethics approval obtained?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> not needed
Notes:	

Population and setting	
17. Population description (from which study participants are drawn)	
18. Setting (including location and social context)	
19. Specific geographic region	
20. Inclusion criteria	
21. Exclusion criteria	
22. Method(s) of participant recruitment	
23. Informed consent?	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> not needed

24. Participants (n)	_____
25. Subgroups (n)	_____ <i>SBA/institutional delivery</i> _____ <i>TAB or other non-SBA birth attendant delivery</i> _____ <i>Non-institutional delivery</i> _____ <i>Other</i>
Notes:	

Intervention

<i>Attendants at birth</i>	
26. SBA cadre included (check all correct answers)	<input type="checkbox"/> nurse <input type="checkbox"/> nurse-midwife <input type="checkbox"/> clinical officer/physician assistant <input type="checkbox"/> doctor <input type="checkbox"/> unspecified <input type="checkbox"/> other: _____
27. Details of SBA care	Any additional measure (add details to note section below): <input type="checkbox"/> time spent <input type="checkbox"/> intrapartum care only <input type="checkbox"/> postpartum care <input type="checkbox"/> quality of care received <input type="checkbox"/> felt respected by SBA <input type="checkbox"/> Other _____
28. Non-SBA cadre included (check all correct answers)	<input type="checkbox"/> traditional birth attendant <input type="checkbox"/> unspecified <input type="checkbox"/> other: _____
29. Facility included (check all correct answers)	<input type="checkbox"/> birth centre <input type="checkbox"/> health centre <input type="checkbox"/> district/local hospital <input type="checkbox"/> referral/tertiary hospital <input type="checkbox"/> unspecified <input type="checkbox"/> other: _____
Notes:	

Outcomes

Equity/inequity and Results	
30. Primary outcome	
31. Participant determinants included ¹ (check all applicable)	<p><input type="checkbox"/> Place of residence:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Urban/rural/humanitarian</p> <p><input type="checkbox"/> Geographic distinction</p> <p><input type="checkbox"/> Transportation access</p> <p><input type="checkbox"/> Road access</p> <p><input type="checkbox"/> Race/Ethnicity/culture/language:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Occupation:</p> <p><i>Definition/stratification:</i></p> <p><u>Gender:</u></p> <p><input type="checkbox"/> Employment in non-agricultural sector</p> <p><input type="checkbox"/> Children <15 years old working</p> <p><input type="checkbox"/> Gender/Sex:</p> <p><i>Definition/stratification:</i></p> <p><u>Gender:</u></p> <p><input type="checkbox"/> Intimate partner violence (recent/ever)</p>

¹ Adapted from the Progress-Plus framework; O'Neill J, Tabish H, Welch V, Petticrew M, Pottie K, Clarke M, et al. Applying an equity lens to interventions: using PROGRESS ensures consideration of socially stratifying factors to illuminate inequities in health. *J Clin Epidemiol.* 2014;67(1):56-64.

	<input type="checkbox"/> Power differential <ul style="list-style-type: none"> <input type="checkbox"/> Acceptability of suggesting condom use, refusing sex <input type="checkbox"/> Age difference of sex partner <input type="checkbox"/> Decision making about own health <input type="checkbox"/> Marriage/union <ul style="list-style-type: none"> <input type="checkbox"/> choice of spouse <input type="checkbox"/> age < 15 years old / < 18 years old <p><u>Sexual health:</u></p> <input type="checkbox"/> Sex before age 15
	<input type="checkbox"/> History of sexual violence (recent/ever) and or by age 18 years
	<input type="checkbox"/> History of female genital cutting
	<p><u>Reproductive/maternal health:</u></p> <input type="checkbox"/> Parity/grand-multiparity
	<input type="checkbox"/> Adolescent pregnancy
	<input type="checkbox"/> Obstetrical history <ul style="list-style-type: none"> <input type="checkbox"/> self – complications/adverse outcome <input type="checkbox"/> other – complications/adverse outcome
	<input type="checkbox"/> Four or more antenatal visits
	<input type="checkbox"/> Early postnatal/postpartum care (within 2 days)
	<input type="checkbox"/> Uterotonic immediately after birth (facility birth)
	<input type="checkbox"/> Contraception use
	<input type="checkbox"/> Religion:
	<p><i>Definition/stratification:</i></p>
	<input type="checkbox"/> Education:
	<p><i>Definition/stratification:</i></p>

	<p><u>Gender:</u></p> <p><input type="checkbox"/> Primary/secondary/tertiary education</p> <p><input type="checkbox"/> Literacy</p> <p><input type="checkbox"/> Socioeconomic status:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Access to safely managed sanitation services (e.g. hand-washing with water and soap)</p> <p><input type="checkbox"/> Children with stunting < 5 years of age</p> <p><input type="checkbox"/> Primary reliance on clean fuels and technology</p> <p><u>Gender:</u></p> <p><input type="checkbox"/> Ownership (goods/land/bank account)</p> <p><input type="checkbox"/> Technology use (mobile phone/internet/media)</p> <p><input type="checkbox"/> Social capital:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Personal characteristics that attract discrimination:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Young/old age</p> <p><input type="checkbox"/> Orphan</p> <p><input type="checkbox"/> Sex worker</p> <p><input type="checkbox"/> Features of relationships:</p> <p><i>Definition/stratification:</i></p>
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	<p><u>Gender:</u></p> <p><input type="checkbox"/> Single/divorced/widowed</p> <p><input type="checkbox"/> Husband's characteristics (e.g. education, etc.)</p> <p><input type="checkbox"/> Other: _____</p> <p><input type="checkbox"/> Time-dependent relationships:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Pregnant/postpartum/breastfeeding</p> <p><input type="checkbox"/> Humanitarian setting (e.g. refugee, internally displaced person)</p> <p><input type="checkbox"/> Political instability</p> <p><input type="checkbox"/> Other: _____</p> <p><input type="checkbox"/> other: _____</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> other: _____</p> <p><i>Definition/stratification:</i></p>
<p>32. Systematic determinants included (<i>check all applicable</i>)</p>	<p><input type="checkbox"/> Maternal mortality ratio</p> <p><input type="checkbox"/> Maternal cause of death (based on ICD-MM coding)</p> <p><input type="checkbox"/> Maternal death registration</p> <p><input type="checkbox"/> Under-5 mortality rate</p> <p><input type="checkbox"/> Neonatal mortality rate</p> <p><input type="checkbox"/> Proportion of children < 5 years old with registered birth</p>

	<input type="checkbox"/> Stillbirth rate <input type="checkbox"/> C-section rate <input type="checkbox"/> Availability of functional Emergency Obstetric Care facilities <input type="checkbox"/> Adolescent mortality rate <input type="checkbox"/> Out-of-pocket as a percentage of total health expenditure <input type="checkbox"/> Current country health expenditure per capita <input type="checkbox"/> Presence of laws/regulations that guarantee SRH care
33. Participant determinants that were statistically significant (check all correct answers)	<input type="checkbox"/> Place of residence: <i>Definition/stratification:</i> <div style="margin-left: 40px;"> <input type="checkbox"/> Urban/rural/humanitarian <input type="checkbox"/> Geographic distinction <input type="checkbox"/> Transportation access <input type="checkbox"/> Road access </div> <input type="checkbox"/> Race/Ethnicity/culture/language: <i>Definition/stratification:</i> <input type="checkbox"/> Occupation: <i>Definition/stratification:</i> <u>Gender:</u> <div style="margin-left: 40px;"> <input type="checkbox"/> Employment in non-agricultural sector <input type="checkbox"/> Children <15 years old working </div> <input type="checkbox"/> Gender/Sex: <i>Definition/stratification:</i>

Gender:

- ☐ Intimate partner violence (recent/ever)
- ☐ Power differential
 - ☐ Acceptability of suggesting condom use, refusing sex
 - ☐ Age difference of sex partner
 - ☐ Decision making about own health
- ☐ Marriage/union
 - ☐ choice of spouse
 - ☐ age < 15 years old / < 18 years old

Sexual health:

- ☐ Sex before age 15
- ☐ History of sexual violence (recent/ever) and or by age 18 years
- ☐ History of female genital cutting

Reproductive/maternal health:

- ☐ Parity/grand-multiparity
- ☐ Adolescent pregnancy
- ☐ Obstetrical history
 - ☐ self – complications/adverse outcome
 - ☐ other – complications/adverse outcome
- ☐ Four or more antenatal visits
- ☐ Early postnatal/postpartum care (within 2 days)
- ☐ Uterotonic immediately after birth (facility birth)
- ☐ Contraception use

☐ Religion:*Definition/stratification:*☐ Education:

	<p><i>Definition/stratification:</i></p> <p><u>Gender:</u></p> <p><input type="checkbox"/> Primary/secondary/tertiary education</p> <p><input type="checkbox"/> Literacy</p> <p><input type="checkbox"/> Socioeconomic status:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Access to safely managed sanitation services (e.g. hand-washing with water and soap)</p> <p><input type="checkbox"/> Children with stunting < 5 years of age</p> <p><input type="checkbox"/> Primary reliance on clean fuels and technology</p> <p><u>Gender:</u></p> <p><input type="checkbox"/> Ownership (goods/land/bank account)</p> <p><input type="checkbox"/> Technology use (mobile phone/internet/media)</p> <p><input type="checkbox"/> Social capital:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Personal characteristics that attract discrimination:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Young/old age</p> <p><input type="checkbox"/> Orphan</p> <p><input type="checkbox"/> Sex worker</p>
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	<p><input type="checkbox"/> Features of relationships:</p> <p><i>Definition/stratification:</i></p> <p><u>Gender:</u></p> <p><input type="checkbox"/> Single/divorced/widowed</p> <p><input type="checkbox"/> Husband's characteristics (e.g. education, etc.)</p> <p><input type="checkbox"/> Other: _____</p> <p><input type="checkbox"/> Time-dependent relationships:</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> Pregnant/postpartum/breastfeeding</p> <p><input type="checkbox"/> Humanitarian setting (e.g. refugee, internally displaced person)</p> <p><input type="checkbox"/> Political instability</p> <p><input type="checkbox"/> Other: _____</p> <p><input type="checkbox"/> other: _____</p> <p><i>Definition/stratification:</i></p> <p><input type="checkbox"/> other: _____</p> <p><i>Definition/stratification:</i></p>
<p>34. Systematic determinants that were statistically significant (<i>check all correct answers</i>)</p>	<p><input type="checkbox"/> Maternal mortality ratio</p> <p><input type="checkbox"/> Maternal cause of death (based on ICD-MM coding)</p> <p><input type="checkbox"/> Maternal death registration</p> <p><input type="checkbox"/> Under-5 mortality rate</p> <p><input type="checkbox"/> Neonatal mortality rate</p>

	<input type="checkbox"/> Proportion of children < 5 years old with registered birth <input type="checkbox"/> Stillbirth rate <input type="checkbox"/> C-section rate <input type="checkbox"/> Availability of functional Emergency Obstetric Care facilities <input type="checkbox"/> Adolescent mortality rate <input type="checkbox"/> Out-of-pocket as a percentage of total health expenditure <input type="checkbox"/> Current country health expenditure per capita <input type="checkbox"/> Presence of laws/regulations that guarantee SRH care
35. Confounding factors/effect modifiers:	
36. Results (specify, e.g. OR, RR, IRR)	

