

Support for Sexual and Reproductive Health and Rights in Sub-Saharan Africa: A New Index Based on World Values Survey Data

Signe Svallfors*, **Karin Båge***, Anna Mia Ekström, Yadeta Dessie, Yohannes Dibaba Wado, Mariam Fagbemi, Elin C. Larsson, Helena Litorp, Bi Puranen, Jesper Sundewall, Olalekan A. Uthman, and Anna E. Kågesten

Signe Svallfors Postdoctoral researcher Department of Sociology Center for Innovation in Global Health Stanford University svallfors@stanford.edu Karin Båge PhD Candidate Global and Sexual Health Research Group Karolinska Institutet karin.bage@ki.se







Guttmacher-Lancet definition of Sexual and Reproductive Health and Rights



Sexual and reproductive health is a state of physical, emotional, mental, and social **well-being in relation to all aspects of sexuality and reproduction**, not merely the absence of disease, dysfunction, or infirmity.

A positive approach to sexuality and reproduction should recognize the part played by pleasurable sexual relationships, trust, and communication in the promotion of self-esteem and **overall well-being**.

All individuals have a **right to make decisions** governing their bodies and to access services that support that right.

Achievement of sexual and reproductive **health** relies on the realization of sexual and reproductive **rights**.







Agenda 2030 and SRHR

- Eliminate violence against women and girls
- Eliminate all harmful practices such as child, early and forced marriage, and female genital mutilation/cutting
- Reduce maternal deaths
- ✓ Ensure universal access to SRHR





Towards ZERO Unmet need for family planning



Towards ZERO Preventable maternal deaths



Towards ZERO Gender-based violence and harmful practices

3





Knowledge gaps

- Social norms are a barrier/enabler of SRHR, but there is no global baseline for SRHR social norms
- Existing data cover limited aspects of SRHR and/or limited subpopulations
- Need for comprehensive measures to tap into intersecting dimensions of SRHR
 - Across whole populations
 - In Sub-Saharan Africa





Social norms are ...

- the unwritten social expectations or rules that influence behavior by prescribing what is expected, allowed, or sanctioned in specific circumstances
- ... both harmful and supportive
- ... open to change
- Not systematically, comprehensively measured for SRHR quantitively across settings and time, incl. areas with most needs



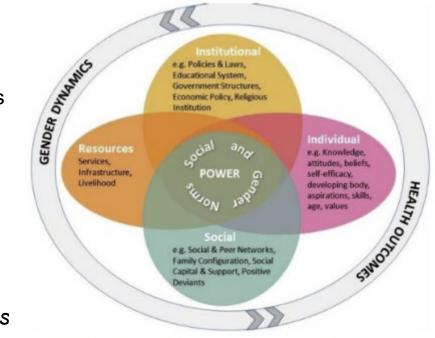


Figure 1. Conceptual framework highlighting centrality of social and gender norms, and power, for ASRH.





To identify an **Index of Support for Sexual and Reproductive Health and Rights (SRHR)** that can be compared across countries and over time, based on data from the World Values Survey







Contributing to closing a relevant data gap using an instrument at scale



Informing interventions, policies and programs



"Without gender data, there is no credible path to achieving the SDGs. Today, we lack data to monitor 80% of the indicators for SDG 5 on gender equality"

Dr. Phumzile Mlambo-Ngcuka, UN WOMEN



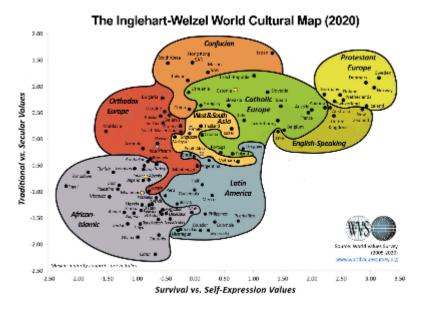
Contributing to achieving the Sustainable Development Goals



World Values Survey

- Population-representative samples on social norms and values
- 500.000 face-to-face interviews, in >90 countries, since 1981
- Open access to all time series data, online analysis tool
- Actionable input for research, advocacy & policy

www.worldvaluessurvey.org



Methodology



World Values Survey Coverage

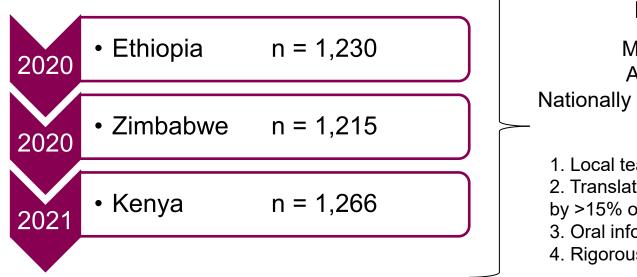








Study Setting and Data Collection in wave 7 of WVS



n = 3,711

Men and women Aged >18 years Nationally representative sampling

 Local teams of trained interviewers
 Translated to all languages spoken by >15% of the population
 Oral informed consent
 Rigorous data safety mechanisms



Measures

Methodology

WVS Core Questionnaire SING ON SRIER

- 290 Likert items
 - Democracy/corruption \rightarrow
 - Security \rightarrow
 - Migration
 - Women's col societv
 - Life **Calis** faction/happiness
 - **Religious** values

Social capital & confidence in institutions

"Generally speaking, would you say that most people can be trusted or that you need to be very careful in dealing with people?"

SRHR & Gender Module

- 50+ Likert items
- Previously validated
 - \rightarrow Gender roles
 - \rightarrow LGBTQ rights
 - \rightarrow Early marriage and childbearing
 - Comprehensive sexuality education
 - Contraception and abortion
 - Infertility \rightarrow
 - Perceived level of free choice and control over reproduction

"Contraceptives should be available for everyone, whether or not one is married"







Statistical analysis (step 1)

- Exploratory factor analysis
- Polychoric correlations, principal component analysis (PCA), scree plots, and parallel analysis (PA) for initial assessment
- Iterated principal factors (IPF) with oblique rotation to determine the appropriate number of factors
- Criteria:
 - Parsimony
 - Factors with at least three items loading >0.40 and item uniqueness of <0.70</p>
 - Conceptually meaningful
 - Cronbach's α of ≥0.7





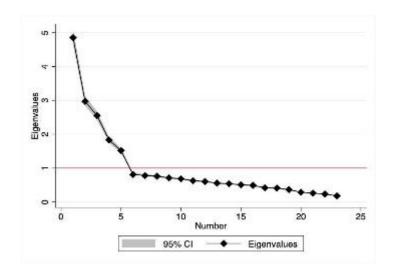
Statistical analysis (step 2)

- Multivariate linear regression models to assess scoring on the Index
- Sociodemographic covariates
 - Age groups
 - > Sex/gender
 - Place of residence
 - Highest educational level
 - Relationship status



SRHR Support Index

- A 23-item five-factor solution (Cronbach's alpha=0.80)
 - 1. Sexual and reproductive rights
 - 2. Neighborhood sexual safety
 - 3. Gender-equitable relationships
 - 4. Masculinity norms
 - 5. SRHR interventions



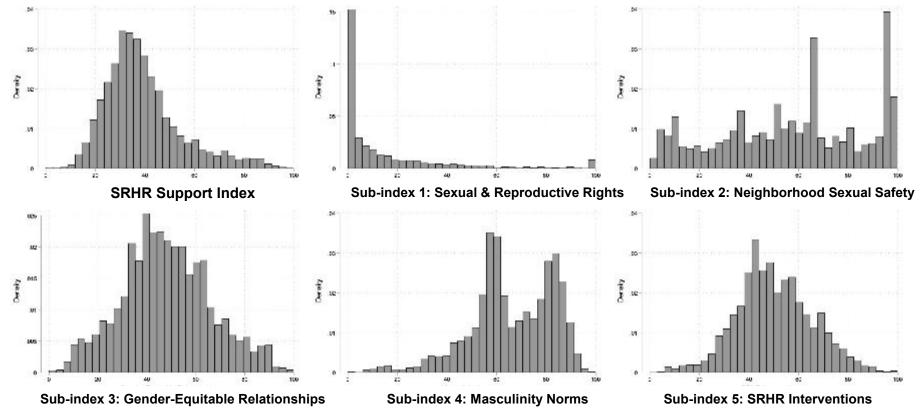
Combined into a comprehensive "SRHR Support Index", standardized on a 1–100 scale with higher values indicating more support for SRHR

Results



SRHR Support Index – Distribution of Support per Sub-index





2023 IDM Annual Symposium





Variations across countries and subgroups

- Kenya (45.48, SD=16.78)
- Ethiopia (40.2, SD=13.63)
- Zimbabwe (32.65, SD=13.77)
- Highly educated, urban & single individuals were more supportive of SRHR (except in Ethiopia)
- Support did not differ significantly by sex
- Among men, younger age and urban residence were linked to more support for SRHR





Strengths of the SRHR Support Index

- A comprehensive measure of support for SRHR
- Based on nationally representative data
- Robust across countries and population subgroups
- Can be used to track progress over time





The SRHR Support Index ...

- … can be used as a baseline if integrated into global surveys for trends analysis and facilitates future research on SRHR norms and values
- Image: offers a tool to further advance our understanding of attitudes and norms as barriers or facilitators to SRHR globally, thereby guiding the tailoring of interventions and policy



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- ... can be used as a **baseline** if integrated into global surveys for trends analysis and facilitates future research on SRHR norms and values
- Image: offers a tool to further advance our understanding of attitudes and norms as barriers or facilitators to SRHR globally, thereby guiding the tailoring of interventions and policy

Thank you!

Signe Svallfors Stanford University svallfors@stanford.edu

Karin Båge Karolinska Institutet karin.bage@ki.se Signe Svallfors*, Karin Båge*, Anna Mia Ekström, Yadeta Dessie, Yohannes Dibaba Wado, Mariam Fagbemi, Elin C. Larsson, Helena Litorp, Bi Puranen, Jesper Sundewall, Olalekan A. Uthman, and Anna E. Kågesten

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 Table 2 Exploratory factor analysis

| Guttmacher-Lancet SRHR dimension | Variable | Loading |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------|
| | FACTOR 1: Sexual and Reproductive Rights | |
| Non-discrimination related to sexuality, sexual orientation, and gender identity | Justifiable: Homosexuality | 0.86 |
| Reproductive empowerment | Justifiable: Abortion | 0.84 |
| Consensual, non-violent relationships | Justifiable: Prostitution | 0.88 |
| | Justifiable: For a man to beat his wife | 0.72 |
| | Justifiable: Divorce | 0.66 |
| Satisfying sexual life | Justifiable: Sex before marriage | 0.76 |
| | Justifiable: Having casual sex | 0.83 |
| | FACTOR 2: Neighborhood Sexual Safety | |
| Consensual, non-violent relationships | How often in neighborhood: Sexual assault/rape | 0.71 |
| | How often in neighborhood: Women and girls trading sex for money | 0.83 |
| | How often in neighborhood: Men and boys hurting women and girls | 0.92 |
| | How often in neighborhood: Men and boys making unwanted sexual comments or gestures toward girls or women | 0.87 |

 Table 2 Exploratory factor analysis (continued)



| Guttmacher-Lancet SRHR dimension | Variable | Loading |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|---------|
| | FACTOR 3: Gender-Equitable Relationships | |
| Gender-equitable relationships | A man should always have the final say about decisions in his relationship or marriage | |
| | There is no doubt that gainful employment is good but that what most women really want is a home and children | 0.73 |
| | On the whole, family life suffers when women work full time | 0.58 |
| | It is a man's job to earn money and a woman's job to take care of home and family | 0.67 |
| Consensual, non-violent relationships | If a man has a girlfriend or wife, he should know where she is all the time | 0.60 |
| | FACTOR 4: Masculinity Norms | |
| Gender-equitable relationships | A man who talks a lot about his worries, fears, and problems doesn't reserve respect | 0.54 |
| | A real man should have as many sexual partners as he can | 0.79 |
| | A man should use violence, to get respect, if necessary | 0.82 |
| | FACTOR 5: SRHR Interventions | |
| Reproductive empowerment | Women should have access to safe abortion services to terminate an unwanted pregnancy | 0.53 |
| | Contraceptives should be available for everyone, whether or not one is married | 0.58 |
| | A couple who cannot conceive should have access to infertility services | 0.60 |
| SRH information | Sexual education helps people make informed decisions | 0.62 |

 Table 1 Sociodemographic characteristics of the study sample (n=3,113)

| Variable | n | % |
|---------------------------------|-------|--------|
| Age | | |
| 18–24 | 862 | 27.69 |
| 25–29 | 614 | 19.72 |
| 30—39 | 776 | 24.93 |
| 40-49 | 426 | 13.68 |
| 5 0 + | 435 | 13.97 |
| Sex | | |
| Man | 1,595 | 51.24 |
| Woman | 1,518 | 48.76 |
| Place of residence | | |
| Urban | 1,205 | 38.71 |
| Rural | 1,908 | 61.29 |
| Relationship status | | |
| Married or cohabiting | 1,843 | 59.20 |
| Divorced, separated, or widowed | 313 | 10.05 |
| Single | 957 | 30.74 |
| Education | | |
| Primary or lower | 1,512 | 48.57 |
| Secondary | 1,092 | 35.08 |
| Tertiary | 509 | 16.35 |
| Country | | |
| Ethiopia | 945 | 30.36 |
| Kenya | 1,011 | 32.48 |
| Zimbabwe | 1,157 | 37.17 |
| TOTAL | 3,113 | 100.00 |



 Table 3 Summary statistics of the SRHR Support Index and its five subindices

| Population | Mean | Std. Dev. | Median | IQR |
|------------------|------------------|------------------|----------------|-------------|
| S | RHR Support In | dex (Cronbach' | s α=0.80) | |
| Total population | 39.19 | 15.27 | 36.22 | 28.93;46.04 |
| Ethiopia | 40.41 | 13.63 | 37.93 | 32.94;43.74 |
| Kenya | 45.48 | 16.78 | 43.54 | 33.20;55.98 |
| Zimbabwe | 32.65 | 13.77 | 30.06 | 23.72;37.38 |
| Men | 39.24 | 15.72 | 36.27 | 28.97;46.02 |
| Women | 39.12 | 15.76 | 36.18 | 28.82;45.92 |
| Subindex 1: | Sexual and Repro | ductive Rights | (Cronbach's α= | =0.92) |
| Total population | 15.75 | 23.56 | 4.67 | 0.89;20.76 |
| Ethiopia | 9.95 | 22.69 | 1.01 | 0.71;7.34 |
| Kenya | 26.38 | 22.82 | 21.22 | 7.38;41.05 |
| Zimbabwe | 11.13 | 21.69 | 1.27 | 0.86;9.51 |
| Men | 16.38 | 23.36 | 5.47 | 0.90;22.71 |
| Women | 15.06 | 23.73 | 3.87 | 0.87;18.38 |
| Subindex 2 | : Neighborhood S | Sexual Safety (C | ronbach's α=0 | .86) |
| Total population | 57.30 | 28.76 | 59.45 | 35.88;81.48 |
| Ethiopia | 76.10 | 23.83 | 85.29 | 62.39;96.58 |
| Kenya | 52.59 | 27.13 | 56.16 | 31.54;70.86 |
| Zimbabwe | 46.09 | 26.19 | 46.38 | 27.01;65.28 |
| Men | 57.76 | 28.16 | 59.42 | 36.43;81.71 |
| Women | 56.82 | 29.38 | 59.47 | 34.86;81.20 |



 Table 3 Summary statistics (continued)

| Population | Mean | Std. Dev. | Median | IQR |
|------------------|------------------|-------------------|----------------|-------------|
| Subindex 3: (| Gender-Equitab | le Relationship (| Cronbach's α= | =0.71) |
| Total population | 48.01 | 18.20 | 47.03 | 35.71;60.22 |
| Ethiopia | 49.36 | 19.11 | 48.29 | 36.46;61.45 |
| Kenya | 55.33 | 16.81 | 55.91 | 43.90;66.07 |
| Zimbabwe | 40.47 | 15.54 | 39.82 | 32.01;49.54 |
| Men | 47.56 | 18.34 | 46.47 | 35.35;59.62 |
| Women | 48.48 | 18.05 | 47.43 | 36.17;60.80 |
| Subind | ex 4: Masculinit | y Norms (Cronl | oach's α=0.65) | |
| Total population | 65.97 | 16.93 | 64.81 | 56.34;81.01 |
| Ethiopia | 68.68 | 16.47 | 70.39 | 58.19;82.96 |
| Kenya | 63.10 | 18.45 | 63.04 | 53.17;79.06 |
| Zimbabwe | 66.28 | 15.46 | 63.49 | 56.65;80.26 |
| Men | 64.56 | 17.22 | 62.98 | 55.41;80.02 |
| Women | 67.47 | 16.48 | 67.85 | 57.41;81.89 |
| Subinde | ex 5: SRHR Inte | rventions (Cron | bach's α=0.57) | |
| Total population | 50.26 | 15.28 | 48.79 | 40.41;60.00 |
| Ethiopia | 51.03 | 14.86 | 51.76 | 41.48;60.74 |
| Kenya | 53.25 | 18.10 | 53.12 | 39.91;66.82 |
| Zimbabwe | 47.01 | 11.95 | 45.88 | 40.06;54.36 |
| Men | 50.97 | 15.38 | 49.81 | 40.98;60.47 |
| Women | 49.53 | 15.15 | 48.05 | 39.62;59.34 |







| | Factor 1 | Factor 2 | Factor 3 | Factor 4 | Factor 5 |
|----------|----------|----------|----------|----------|----------|
| Factor 1 | 1 | | | | |
| Factor 2 | -0.03 | 1 | | | |
| Factor 3 | 0.11 | 0.11 | 1 | | |
| Factor 4 | -0.13 | 0.05 | 0.30 | 1 | |
| Factor 5 | 0.15 | -0.03 | 0.18 | 0.20 | 1 |

Table A4 Correlation matrix of scores derived from the final five-factor model



