

EMPOWERMENT OF WOMEN AND GIRLS

AN INDICATOR DERIVED FROM HOUSEHOLD SURVEYS

Aluísio J D Barros

Fernanda Ewerling



International Center for
EQUITY
in Health | Pelotas



Rationale & methods

1. Identified a set of DHS 'gender variables'
2. Chose those more directly related to EWG to include in the index
3. Age 1st birth required data imputation
4. After further discussion and analysis, some variables were removed
 - Restricted to a small number of women (decision CP use, type of earnings)
 - Not related to woman, but HH (phone)
 - Not asked in all surveys (decision CP)
 - Some we decide to exclude after we performed some tests with and without them in the index



INDICATOR

Beating not justified if wife **goes out without permission**

Beating not justified if wife **neglects the children**

Beating not justified if wife **argues with husband**

Beating not justified if wife **refuses sex**

Beating not justified if wife **burns the food**

Frequency of reading newspaper or magazine

Respondent worked in last 12 months

Woman education

Education difference: woman - husband years of schooling

Age difference: woman - husband

Age at first cohabitation

Age of respondent at 1st birth

Can refuse sex (v850a)

Who usually decides on respondent's health care

Who usually decides on large household purchases

Who usually decides on visits to family or relatives

Age at 1st birth - age 1st cohabitation

Ever used anything or tried to delay or avoid getting pregnant

Type of earnings from respondent's work

Can you go to a health centre or hospital alone or with your young children?

Decision maker for using contraception (v632)

Owns house or land (v745a,b)

Husband/partner's total number of years of education

Owns mobile phone

Rationale & methods

- With these variables, we used PCA to check in each country which variables would charge higher – **results highly consistent**
- So, we performed the same analysis gathering data from all countries together.

Variable	All together (IWEI)		
	Attitude to violence	Autonomy	Decision-making
Beating not justified if wife goes out without telling husband	0.4445	-0.0133	0.0144
Beating not justified if wife neglects the children	0.4591	-0.0248	-0.0481
Beating not justified if wife argues with husband	0.4628	-0.012	-0.0008
Beating not justified if wife refuses to have sex with husband	0.4345	0.0139	0.0144
Beating not justified if wife burns the food	0.4164	0.02	-0.013
Frequency of reading newspaper or magazine	0.0234	0.3595	0.0734
Woman education	0.0595	0.4198	0.1553
Age at first cohabitation	0.0118	0.5596	-0.042
Age of respondents			-0.1144
who use violence			0.0792
When violence occurs			
Frequency of violence			
Education			0.03
Age differences			0.1184
Can refuse sex		0.1329	0.165

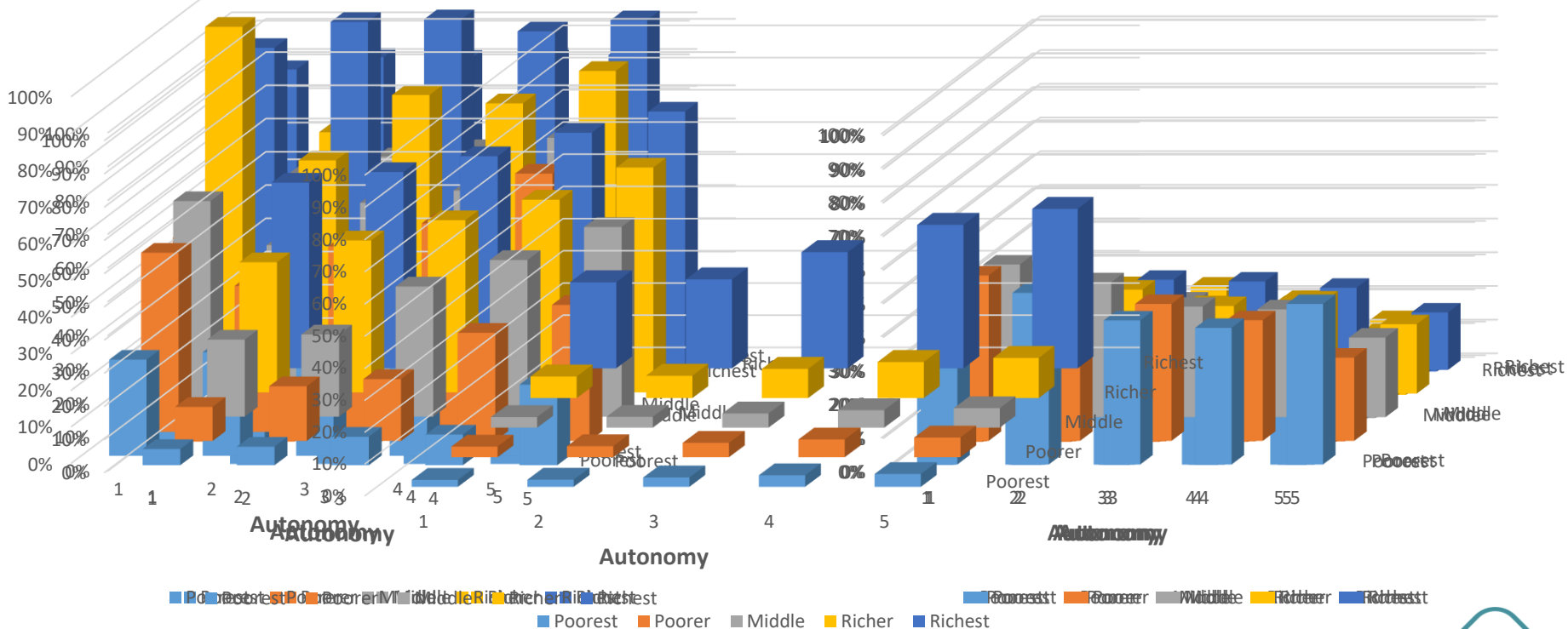
This methodology allows trend analysis, within and between countries comparison!

Empowerment and health indicators

Skills and health indicators by empowerment and wealth - Burkina Faso

Stunting prevalence by empowerment and wealth - Nigeria

Skills and health indicators by empowerment and wealth - Nigeria



Limitations

- Index is restricted to married women;
- Cultural differences between countries can be overlooked;
- Gathering all DHS together, we will mix data from different time periods;
- The index should be updated from time to time.

