

A structural equation modelling approach to understanding pathways between INSPIRE-aligned provisions and sexual violence reduction among South African adolescents.

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Despite decades of legislation and policy efforts, rates of sexual violence remain alarmingly high across many African countries, with a few notable exception.

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How do we address upstream factors?





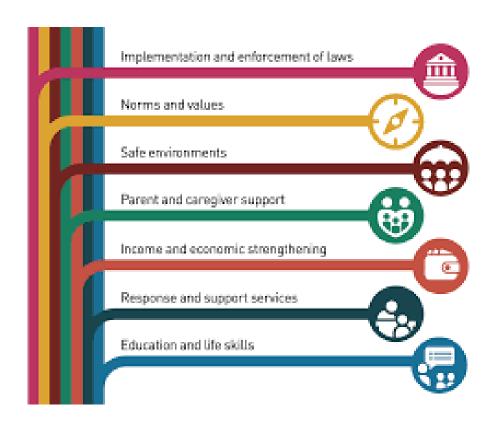




reduction

INSPIRE strategies, launched in 2016, set of recommendations on SV





- Compared to physical and emotional violence, there is relatively less empirical evidence on the potential impact of INSPIRE in reducing sexual violence among adolescents living in Africa.
- Eight INSPIRE-aligned interventions were identified as effective, four of which had been evaluated in Africa

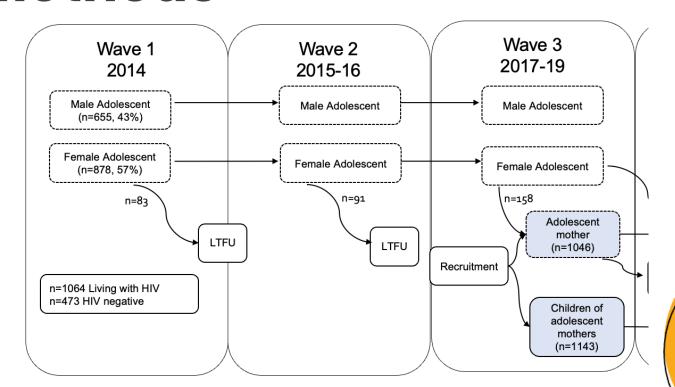








Methods





NON-CONTACT

- "touched your private parts or made you touch theirs when you did not want to?"; (Finkelhor et al., 2005)
- "tried to have sex with you when you did not want to?"; (Finkelhor et al., 2005)
- · had sex (vaginal, anal or oral) with you when you did not want them to?"; (Finkelhor et al., 2005)
- "were you forced to have sex?"

EXPLOITATIVE

"Has anyone ever given you a present for having sex with them OR have you ever decided to have sex with someone in exchange for present, money or favours" (Transactional sex) (UNICEF, 2018).

CONTACT

Has anyone made you look at their private parts when you do did want to"

"Has any wanted to look at your private parts when you did not want them to" (Finkelhor et al., 2005)









Methods – INSPIRE ALIGNED PROVISIONS

- ☐ **Parental and caregiver support**, Alabama Parenting Questionnaire [Likert Scale] \square Positive parenting: Six items, Cronbach's α =0.900-0.935 (wave 1-3). \square Parental monitoring: Ten items, Cronbach's α =0.86-0.907 (wave 1-3). ☐ Income Strengthening and education ☐ Grant receipt of any government-issued social support grant, such as child support. ☐ Basic economic security is affording all four socially perceived necessities: doctor, toiletries, clothes and shoes. ☐ Food security was defined as having enough food at home in the past week and affording three meals in a day. ☐ School facilitator measures included affording school uniforms, equipment, and fees (including access to school-free secondary education).
- ☐ Education
 - ☐ Schooling/completed



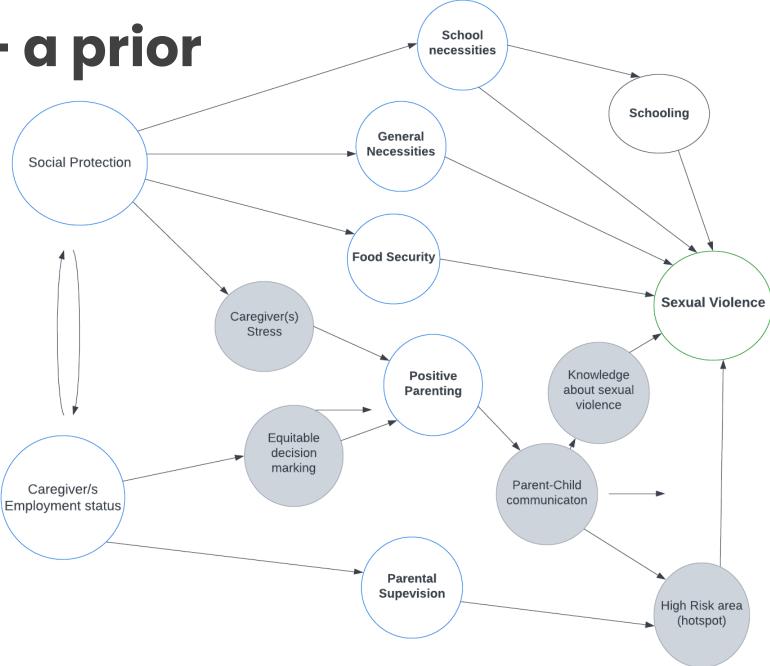






Methods – a prior

Generalized Structural Equation Model (GSEM) with binomial family and probit link function.



Results

Distribution of INSPIRE-aligned provisions

	WAVE 1			WAVE 1	WAVE 2	WAVE 3	
		MALES	FEMALES				
	Total (n=1353)	(n=687, 43%)	(n=766, 57%)	p-value	Total (n=1353)	Total (n=1353)	Total (n=1353)
age (median, IQR)	13 (11-16)	13 (11-15)	14 (11-17)	0.001	13 (11-16)	15 (13-18)	14 (16-19)
Positive Parenting (mean, SD)	19.81 (4.86)	19.78 (4.71)	19.84 (4.97)	0.820	19.81 (4.86)	18.81 (5.25)	18.42 (5.32)
Monitoring Parenting (mean, SD)	6.38 (8.65)	6.44 (8.96)	6.33 (8.40)	0.081	6.38 (8.65)	5.49 (6.70)	6.54 (7.68)
Household Grant receipt	1277 (94%)	555 (95%)	722 (94%)	0.890	1277 (94%)	1229 (91%)	1195 (88%)
Past-week Food security	1041 (77%)	475 (81%)	566 (74%)	0.002	1041 (77%)	975 (72%)	1028 (76%)
Basic Economic Security	787 (58%)	339 (58%)	448 (58%)	0.790	787 (58%)	651 (48%)	594 (44%)
Afford School necessities	616 (46%)	300 (51%)	316 (41%)	<0.001	616 (46%)	370 (27%)	594 (44%)
Inschool/completed	1,285 (95%)	579 (99%)	706 (92%)	<0.001	1,285 (95%)	1,233 (91%)	1193 (88%)

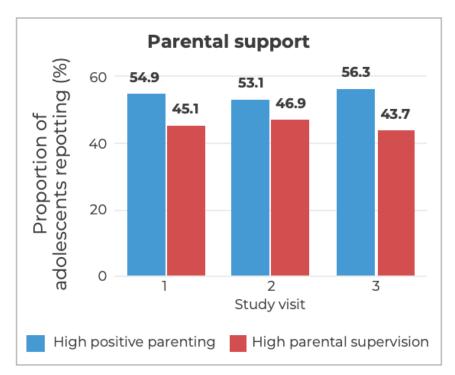


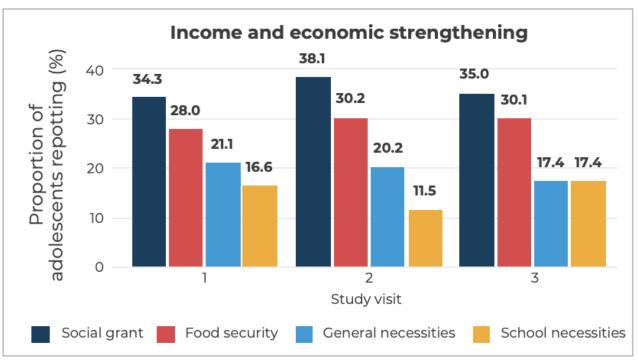






Results - CONSISTENT ACCESS





Females were less likely than males to report food security at home and less likely to be in school or complete schooling. High parental supervision was more prevalent among females than males.





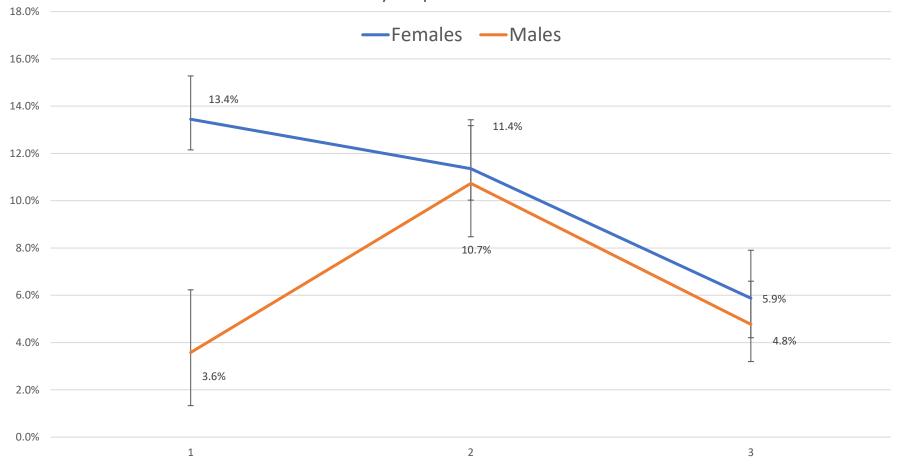




Results

Measure of occurrence for paper 2

Past-year prevalence of sexual violence



study visit

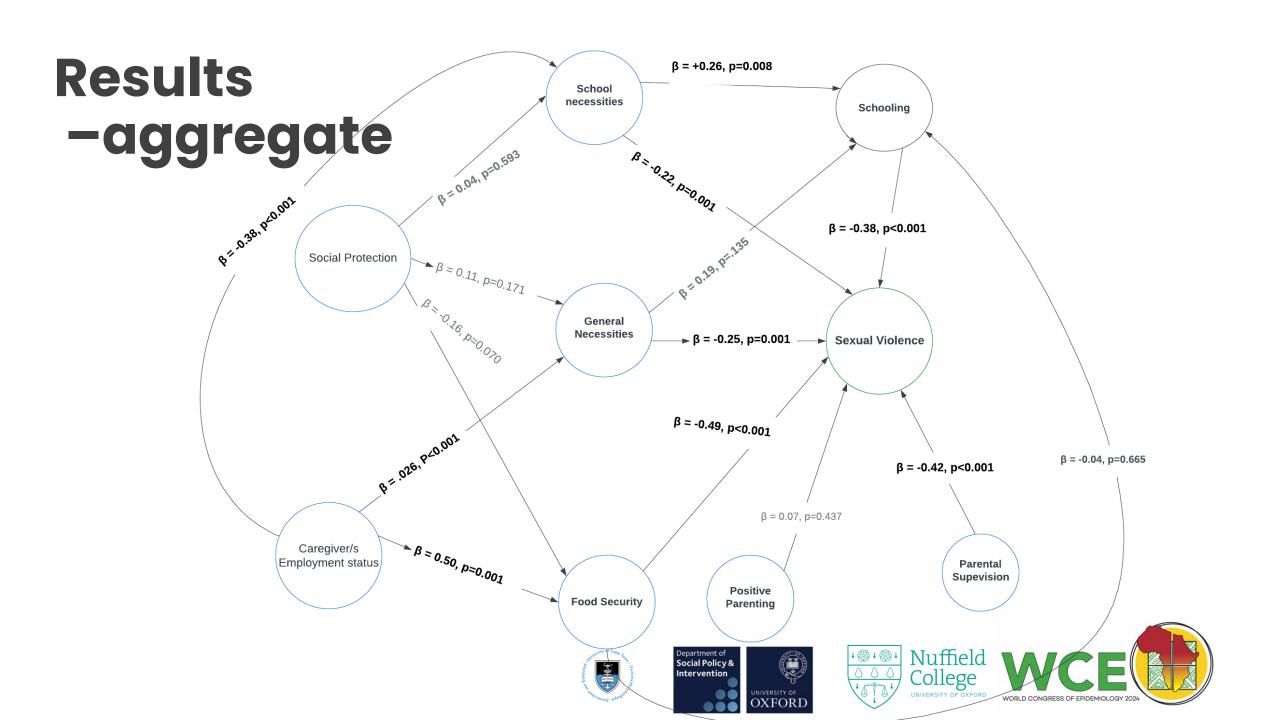






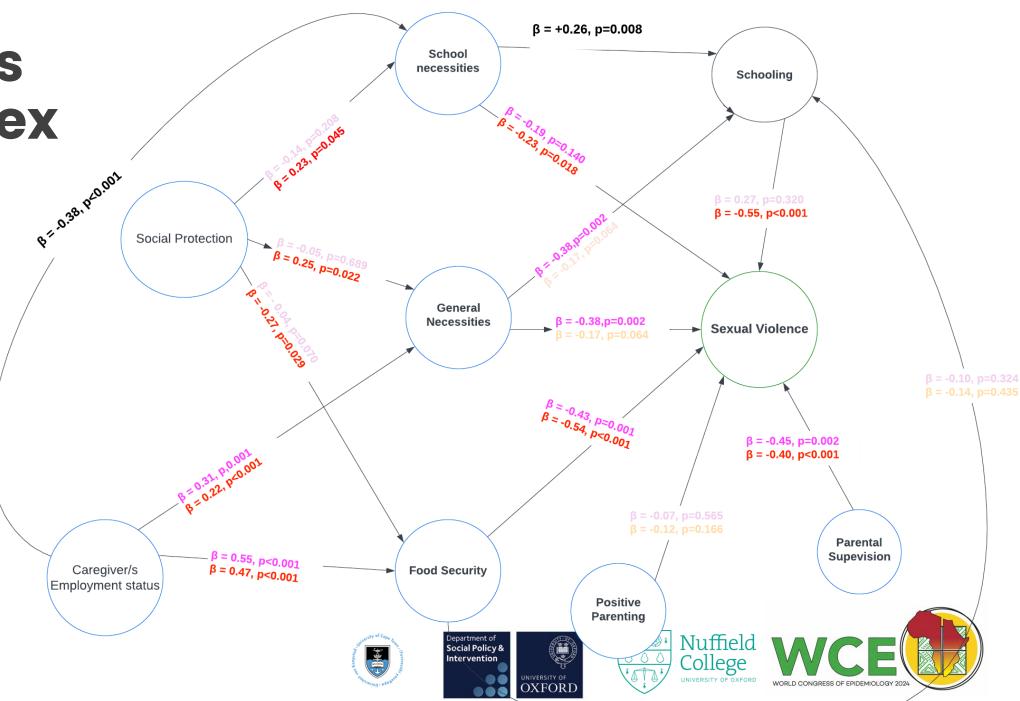






Results
- by sex

Males Females



Results

		Past-year prevalence					
		R3: Over-time					
	ME	GEE	GSEM	GSEM			
Monitorina Porontina	0.39	0.64	0.64	0.64			
Monitoring Parenting	[0.28,0.56]	[0.54,0.75]	[0.53,0.76]	[0.51,0.76]			
Positive Parenting	1.107	1.072	1.066	1.071			
Food security	0.54	0.73	0.59	0.54			
	[0.41,0.71]	[0.64, 0.84]	[0.41,0.69]	[0.45,0.66]			
Grant receipt	0.807	0.880	0.938	1.018			
Dogio oconomio godynity	0.967	0.979	0.80	0.69			
Basic economic security	0.967	0.979	[0.68,0.93]	[0.57,0.82]			
In school/completed	1.179	1.057	0.68	0.66			
In-school/completed	1.179	1.037	[0.55,0.84]	[0.50, 0.86]			
School facilitators	0.70	0.86	0.78	0.69			
School facilitators	[0.51,0.96]	[0.74, 0.99]	[0.67,0.91]	[0.57,0.83]			
Girl	1.41	1.16	1.16 1.09				
OII I	[1.07,1.78]	[1.02,1.32]	[0.93,1.25]	1.076			
Λαρ	1.24	1.11	1.15	1.15			
Age	[1.18,1.29]	[1.09,1.12]	[1.11,1.17]	[1.11,1.18]			









Thank you















































