P2-L16

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Unemployed, slightly older mothers are at the highest risk of HIV and STIs yet show poor uptake of HIV testing and STI health services.

BACKGROUND

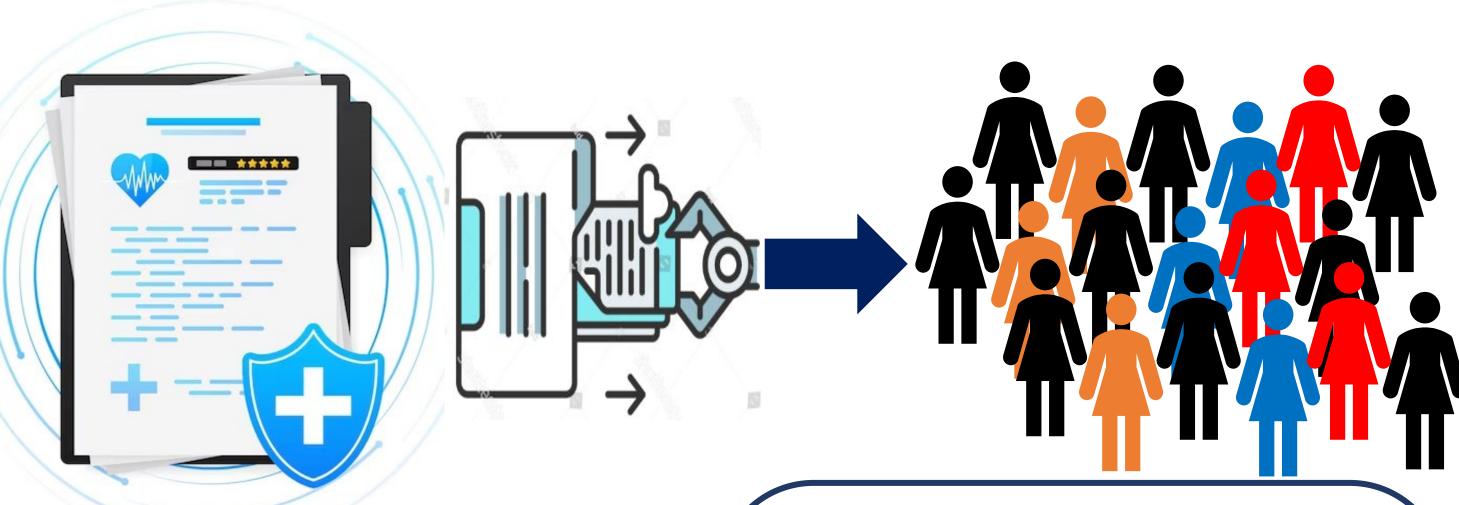
- Effective strategies to engage youth in health services are needed.
- It has been observed that youth have poorer HIV-related outcomes compared to other age-groups.
- In Zimbabwe, a cluster randomized trial, known as CHIEDZA, implemented community-based youth friendly integrated HIV & sexual and reproductive health services for 16-24 years old to evaluate the effectiveness of the interventions on HIV outcome.
- Outcomes were ascertained through a population-based survey of 18–24-year-olds.

Objective:

> To identify and describe groups of young women with similar healthcare-seeking behaviour from the intervention arm.

METHODS

Step 1: Data Extraction



Female participants data from Harare Bulawayo provinces were CHIEDZA Service extracted from database between 1 Jan 2021 and 20 Sept 2021.

4667/5830 (80%) were eligible Condoms HIV testing $\sqrt{}$ Menstrual hygiene products $\sqrt{}$ Text message information service STI testing Family planning Menstrual pain management General counselling STI counselling

utilised different **Participants** There is heterogeneity services.



1		HIV testing	×	
1	Å	Menstrual hygiene products	×	
		Text message information service	×	
1		STI testing	×	
1		Family planning	×	
1		Menstrual pain management	×	
1		General counselling	×	
			200	
		STI counselling	×	
		STI counselling Condoms	×	
		Condoms		
		Condoms HIV testing		
		Condoms HIV testing Menstrual hygiene products		

Condoms

Family planning Menstrual pain management \checkmark General counselling × STI counselling

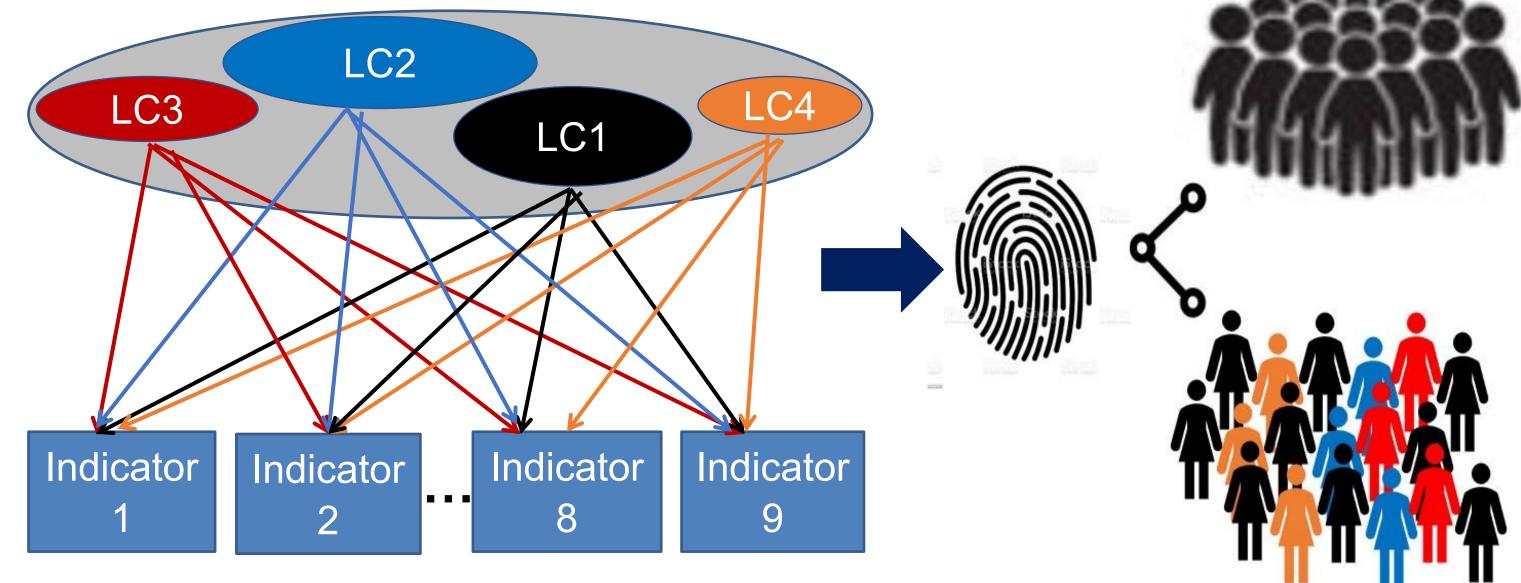
Acknowledgements:

The CHIEDZA study was funded by the Wellcome Trust (Senior Fellowship to RAF: 206316/Z/17/Z). The nested STI trial was funded by the MRC/ESRC/DFID/NIHR (MR/T040327/1). The funders had no role in the study design, data collection, analysis, decision to publish, or manuscript preparation. We thank all research assistants, intervention teams, young people and their families, trial communities, collaborators, stakeholders, and the Trial Steering Committee for their contributions.

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Step 2: Latent Class analysis (LCA) Step 3: LCs linked to survey



Four LC were selected based Bayesian information criteria (BIC) & Akaike Information Criteria (AIC) indices.

Service data were linked (using biometric matching) to population level survey conducted October between 2021- June 2022.

RESULTS

• 341 out of 4667 (7.3%) were successfully matched to the survey data.

Table 1: Distribution of clients across classes for the main data and the matched dataset

	N	Class 1	Class 2	Class 3	Class 4
Service clients	4667	14%	39%	11%	37%
Matched to survey	341	10%	38%	10%	42%

Table 2: Characteristics of participants belonging to the four latent classes

		Class 1	Class 2	Class 3	Class 4
Health	Condoms	8.8%	0%	50.0%	95.0%
services					
	HIV testing	61.8%	96.9%	35.3%	88.7%
	Menstrual hygiene products	85.3%	90.1%	17.7%	73.2%
-	Text message information service	17.7%	62.6%	73.5%	78.9%
	STI testing	8.8%	100%	41.2%	95.0%
	Family planning	2.9%	26.7%	85.3%	47.2%
	Menstrual pain management	79.4%	75.6%	52.9%	81.7%
	General counselling	5.9%	0.8%	0%	9.2%
,	STI counselling	0%	9.9%	2.9%	31.0%
Sexually trai	nsmitted infections	%(95% CI)	%(95% CI)	%(95% CI)	%(95% CI)
Chlamydia, g	onorrhoea and/or trichomoniasis	5.9 (0.8, 32)	14.8 (7.8,26)	31.6 (14.8, 55)	20.3 (12, 3)
HIV prevalen		2.9 (0.4, 18.2)	3.8 (1.6, 8.9)	11.8 (4.5,27.5)	4.9 (2.4, 10.1)
Sociodemog	Sociodemographic characteristics		%	%	%
Age	18-20	61.8	60.3	41.2	50
	21-24	38.2	39.7	58.8	50
Education lev	vel Primary	14.7	6.1	5.9	4.9
	Secondary	82.4	87	94.1	86.6
	Post secondary	2.9	6.9	0	8.5
Marital status	Never married	88.2	64.1	38.2	75.4
	Married or living as married	8.8	30.5	52.9	21.1
	Divorced, widowed or	2.9	5.3	8.8	3.5
	separated				
Employment	In school	50.0	23.7	8.8	21.8
-	Employment	8.8	16.0	29.4	16.2
	Unemployed	41.2	60.3	61.8	62.0
	Ever been pregnant, yes	19.4	33.6	82.4	46.7

- LC1 are young women concerned with menstrual health.
- LC2 are unmarried young women at risk of various vulnerabilities and are aware of their sexual health concerns.
- LC3 are unemployed, older mothers primarily concerned with reproductive health & at highest risk of HIV and STIs but had poor uptake of these services.

CONCLUSIONS

- Distinct groups of young women in Zimbabwe have different health service needs.
- One critical group: unemployed, slightly older mothers at the highest risk of HIV and STIs yet shows poor uptake of STI & HIV testing services.
- Urgent need for targeted interventions to improve access and service uptake for this vulnerable population.





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