The evolution of a programme platform for marginalized adolescent girls and young women - 2009 to 2021

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SW Programme Coverage

Sisters programme started in 2009 - 5 sites - 322 FSW seen 25.8% age <25 years

2021 - 86 sites – 33,000 SW in their diversity seen 32.2 < age 25 years

• >125,000 FSW seen since 2009

Unique alpha numeric identifier and detailed programme data collected from 2009 allowing detailed analysis
National FSW implementation–research platform in Zimbabwe ‘Sisters with a Voice’

Programme providing platform for implementation research

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<td>Demonstration projects Harare and 4 outreach sites</td>
<td>Expanded to 3 fixed + 13 outreach sites – began community mobilisation</td>
<td>Expanded to 6 fixed + 30 outreach sites.</td>
<td>Intensify outreach, Roll out Young Sisters to 3 sites</td>
<td>Implement DREAMS for YWSS, pilot microplanning and SHGs.</td>
<td>Expanded to MSW TGSW, 86 sites, on-site ART / PrEP, DREAMS expanded, safe spaces, SHGs / microplanning expanded.</td>
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<td>322 FSW got clinic services 25.8% &lt;25 yrs</td>
<td>9,502 FSW got clinic services – 24.8% &lt;25 yrs</td>
<td>6,151 FSW got clinic services 24.7% &lt;25 yrs</td>
<td>24,436 FSW got clinic services 27.3% &lt;25 yrs attended clinic services</td>
<td>38,748 FSW 32.2% &lt;25 attended clinical services</td>
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<td>Formative work to support programme development</td>
<td>RDS + qualitative research, 1 regional HIV prevalence and prevention / care cascade estimates in FSW</td>
<td>YGSS needs assessment – develop ‘Young Sister,’ SAPHI-Re trial, PrEP cascade, stigma analyses</td>
<td>Programme data analysis to provide one of first African estimate of HIV incidence in FSW Highest in &lt; 25yrs</td>
<td>SaphI-Re trial completed, migration study, national size estimation, DREAMS Impact evaluation, mapping 16-19 yr AGYWSS, recency testing, modelling</td>
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<td>WT funded AMETHIST research underway. BMGF MeSH consortium on recency testing. studies to inform sex work life course influences on cascade engagement incl. YWSS</td>
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Research guiding ‘Sisters’ programme scale up
Pathways of impact of DREAMS among YWSS in Zimbabwe

Chabata et al BMJ GH - https://gh.bmj.com/content/6/4/e003892
Combined SW Programme RDS surveys incidence versus prevalence

- 5 studies, 21 sites, 2011-2017
- 9906 FSW; HIV prevalence 50.5%
- For each year of age, we estimated: HIV prevalence ($P_t$) and the change in HIV prevalence from the previous age ($P_t - P_{t-1}$).
- Estimated the rate of new HIV infections during that year of age: $I_t = P_t - P_{t-1} / (1 - P_{t-1})$
- Calculated HIV incidence for 18-24 and 25-39 year-olds separately as the weighted average of $I_t$.
- Estimated HIV incidence for FSW 1-5 years and 6-15 years since first selling sex using the same approach.

- **18-24 year-olds - 6.3/100 pyar (95% CI 5.3-7.4)**
- 25-39 year-olds 3.3/100 pyar (95% CI 2.7-4.0)
- **1-5 years since first selling sex 5.3/100 pyar (95% CI 4.5-6.1)**
- 6-15 years since first selling sex 2.1/100 pyar (95% CI 1.4-2.9)

Ali, de Wit et al submitted
Moving forward

- YWSS appear more likely to transition in and out of SW – how does this affect engagement in prevention and care cascades?

- Need to better characterise young FSW and their partners (tracing study, diary study and population data)

- Better characterise locations, populations and individuals at greatest HIV risk to inform HIV prevention programmes

- **Tracing study** – 16 -19 year olds
- **Longitudinal diary study** – 16 -19 year olds
- **RDS surveys at 22 sites** nationally (4,400 FSW aged 18+ with rich biobehavioural data)
  - Recent infections and its determinants
  - Prevention and treatment cascade analyses (include biomarkers of PrEP and condom use)
- **PLACE studies** – expanded to include more detailed network analysis of partnerships
- **Recency study** across all 86 sites – with recency guided prevention strengthening
Thank you