Improving health outcomes among children living with HIV through child-friendly comprehensive service delivery in India

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BACKGROUND

 In India, approximately 70,000 children are living with HIV.
 Children and adolescent face significant risks and vulnerabilities due to the impact of HIV and its socio-economic Comprehensive service approaches help to improve and sustain HIV viral suppression among CLHIV

- 3,962 children had baseline and follow-up viral load testing, and showed significant increase in viral load suppression from baseline (69%) to follow-up at 12 months (84%) (p<0.001)
- There is a significant association

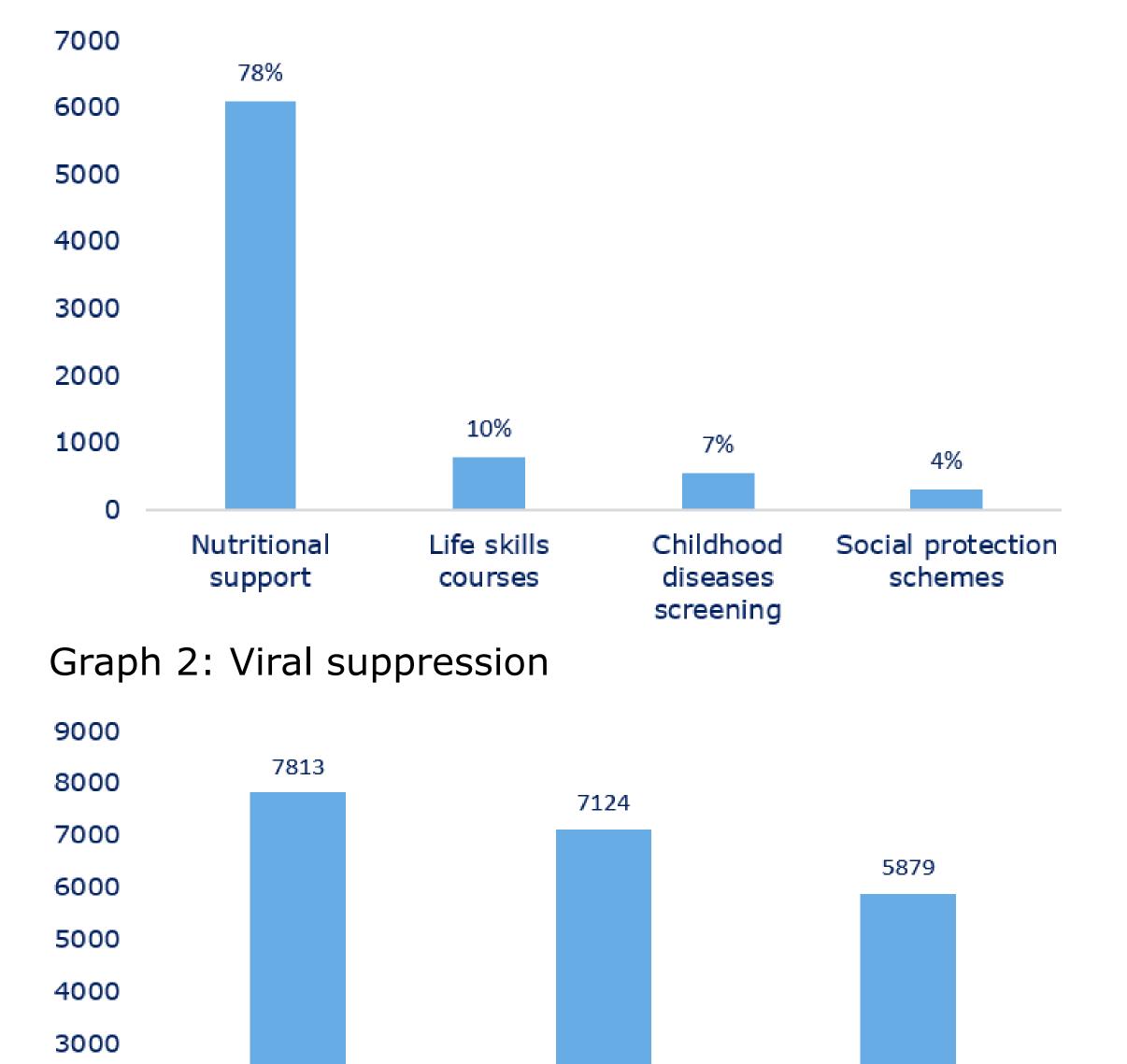
effects

- The orphans and vulnerable children (OVC) program in India places significant emphasis on supporting HIV-positive infants and children with treatment adherence, and promoting viral load suppression
- To ensure the provision of adequate HIV care for this vulnerable population, it is imperative to embrace innovative approaches that effectively address the unique challenges they face, while simultaneously addressing their overall health and well-being

RESULTS

- Between October 2021 and September 2022, the project provided services to 7,813 CLHIV. The mean age was 16 years (sd: 3,89), 53% were male, 37% had lost one parent (19% both parents), and 74% had HIV-positive caregivers
- 99% of children received treatment adherence support, and a range of comprehensive care services. Among which nutritional support was the most requested.

Graph 1: Comprehensive Care Services



between viral suppression and gender, childhood health screening services, linkage to TB preventive treatment, and linkage to social schemes (p<0.05)





METHODS

 Project ACCELERATE, supports the OVC program in 33 districts across 6 states of India (Andhra Pradesh, Maharashtra, Telangana, Manipur, Mizoram and Nagaland)



 We provide comprehensive childfriendly services to children living with HIV (CLHIV) aged between 0 and 17 years

CONCLUSIONS

- Comprehensive service approaches can help to improve and sustain HIV viral suppression among CLHIV
- Availability and accessibility to child-friendly comprehensive care services including non-HIV services is critical for achieving viral load suppression among children living with HIV

Table 1: Demographics and Services

CLHIV registered

2000

1000

| Variables | Total, (%) | Viral Load Copies | | y) df | Р |
|---------------------------|------------|-------------------|------------|-----------|-------|
| | | >1000, (%) | <1000, (%) | χ2,df | |
| Age groups | | | | | |
| 1 - 4 Years | 204 (3) | 44 (22) | 160 (78) | 36.587; 3 | 0.000 |
| 5 - 9 Years | 1201 (17) | 256 (21) | 945 (79) | | |
| 10 - 14 Years | 2793 (39) | 523 (19) | 2270 (81) | | |
| 15 - 17 Years | 2926 (41) | 422 (14) | 2504 (86) | | |
| Sex | | | | | |
| Male | 3771 (53) | 697 (18) | 3074 (82) | 5.634; 1 | 0.010 |
| Female | 3353 (47) | 548 (16) | 2805 (84) | | |
| Child Orphan Status | | | | | |
| Orphan | 1066 (19) | 198 (19) | 868 (81) | 5.761; 2 | 0.056 |
| Single Orphan | 2107 (38) | 418 (20) | 1689 (80) | | |
| Not Orphan | 2357 (43) | 402 (17) | 1955 (83) | | |
| Health screening | | | | | |
| No | 6607 (93) | 1170 (18) | 5437 (82) | 3.408; 1 | 0.035 |
| Yes | 517 (3) | 75 (15) | 442 (85) | | |
| IPT linkage | | | | | |
| No | 6972 (98) | 1231 (18) | 5741 (82) | 7.358; 1 | 0.003 |
| Yes | 152 (2) | 14 (9) | 138 (91) | | |
| Linkage to Social Schemes | | | | | |
| No | 6859 (96) | 1218 (18) | 5641 (82) | 10.135; 1 | 0.001 |
| Yes | 265 (4) | 27 (10) | 238 (90) | | |
| | | | | | |

VL test done in the

last 12 months

Virally suppressed

 We utilized chi-square tests to analyze routine program data, examining the relationship between children's sociodemographic profiles, service accessibility variables, and viral load outcomes

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