

High levels of mental distress among youth with HIV in Southern Africa: A description of enrollment into IMPAACT 2016, a randomized controlled trial of a peer-led, group-based mental health intervention

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Youth with HIV self-reported high rates of mental distress across all sites in the IMPAACT 2016 randomized controlled trial. This demonstrates an urgent need to integrate mental health into HIV care.

BACKGROUND

- Rates of mental distress for youth with HIV (YWH) are not well described for Southern Africa.
- Depression, anxiety, and post-traumatic stress symptoms can negatively impact antiretroviral therapy (ART) adherence, resulting in virologic failure, and contribute to poor quality of life.
- IMPAACT 2016 evaluated a peer-led, group-based, trauma informedcognitive behavioral therapy (TI-CBT) intervention against a discussion control arm.
- This abstract presents rates of mental distress based on screening for and enrollment into the IMPAACT 2016 randomized controlled trial.



METHODS

- The intervention was delivered in six group sessions by trained peer leaders who receive weekly supervision.
- Enrollment criteria include YWH (15-19 years-old) who i) know their HIV status; ii) have been prescribed ART for at least 6-months; iii) are not coenrolled in any other MH intervention study; iv) have moderate to severe symptoms of mental distress according to self-report questionnaires.
 - depression (PHQ-9 > 10),
 - anxiety (GAD-7 ≥10), and/or
 - post-traumatic stress (UCLA PTSD-RI ≥35)
- Recruitment occurred at adolescent HIV clinics and teen clubs.
- Screening and enrollment occurred from March to September 2024 across eight IMPAACT network sites in four Southern African countries.

TABLE 1: Percentage of Youth Meeting Enrollment Criteria by Country

Country	Screened N=365	Enrolled N=254	# youth with enrollment error*	% of youth with MH symptoms**
Botswana	69	50	3	68%
Malawi	87	66	5	70%
South Africa	29	20	2	62%
Zimbabwe	180	118	10	60%

^{*20} youth did not meet mental health criteria but were enrolled due to a scoring program error

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RESULTS

- Of the 365 youth screened, 261 (72%) met mental health eligibility criteria:
 - 21 youth met criteria but did not enroll primarily due to school conflicts precluding participation in weekly group sessions, family emergencies preventing return for enrollment, or other reasons.
 - 20 youth were enrolled in error due to questionnaire programming errors:
 - Six youth enrolled in error who scored a nine on the PHQ-9 (i.e. <10)
 - 14 youth enrolled in error who had scores ranging between 22 and 34 on the UCLA-PTSD-RI (i.e. <35)
- A total of 254 youth enrolled in the trial:
 - Zimbabwe enrolled the most participants (46%); Malawi (26%), Botswana (20%) and South Africa (8%) (See Table 1)
 - Most youth (65%) reported symptoms on more than one questionnaire; and 35% met criteria on all three (See Figure 2).

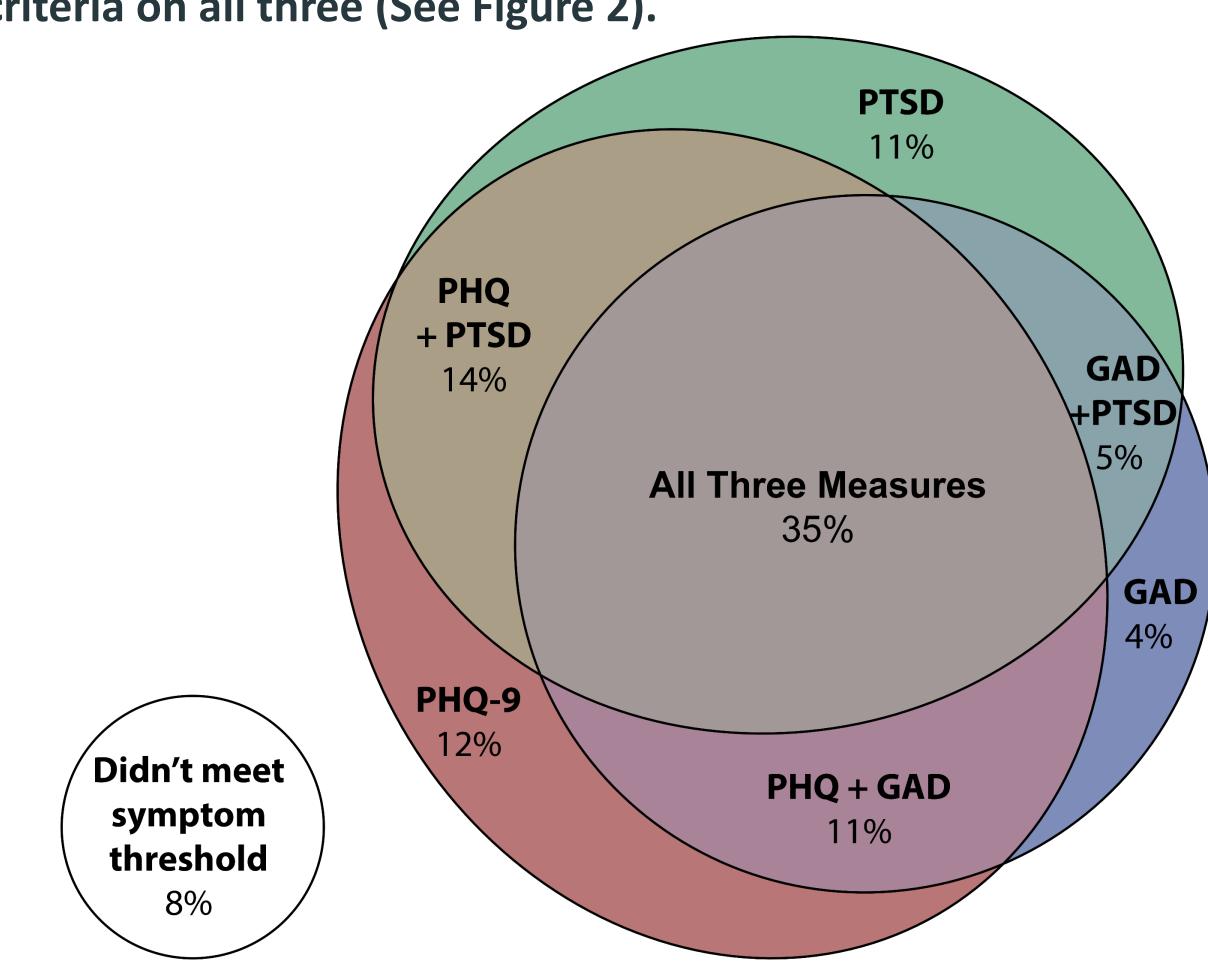


FIGURE 2: Mental Distress Symptoms Among Enrolled Youth

CONCLUSIONS

- Successful enrollment into IMPAACT 2016 underscores the extremely high rates of mental distress among YWH and their desire for care.
- These data amplify the urgent need to integrate mental health screening and services into HIV care and treatment programs for youth in Southern Africa.

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^{**}calculated as % of youth enrolled who met symptom threshold: (enrolled – error)/# screened