Evaluating Learner Improvements After Participation in Live HIV Continuing Education Programs

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Introduction/Background

- An objective of the 2022-2025 National HIV/AIDS Strategy for the United States is to increase coordination among and sharing of best practices across all healthcare members.[1]
- This project investigates differences in education outcomes among healthcare professionals (HCPs) nationwide to inspire future educational offerings.

Methods

Study Design

- Data were collected from live HIV continuing education sessions held from January 2022 to July 2023. Allied health professionals could engage in as many or as few as desired.
- For each topic, identical questions were asked before the educational content (pre) and immediately following the content (post).

Data Collection

- For each educational topic, responses were collected for learners who attended live programs and answered ≥1 assessment question.
- Learners were mapped to the appropriate census regions based on the location listed in their learner account.

Primary Outcome

- Changes in pretest and posttest scores

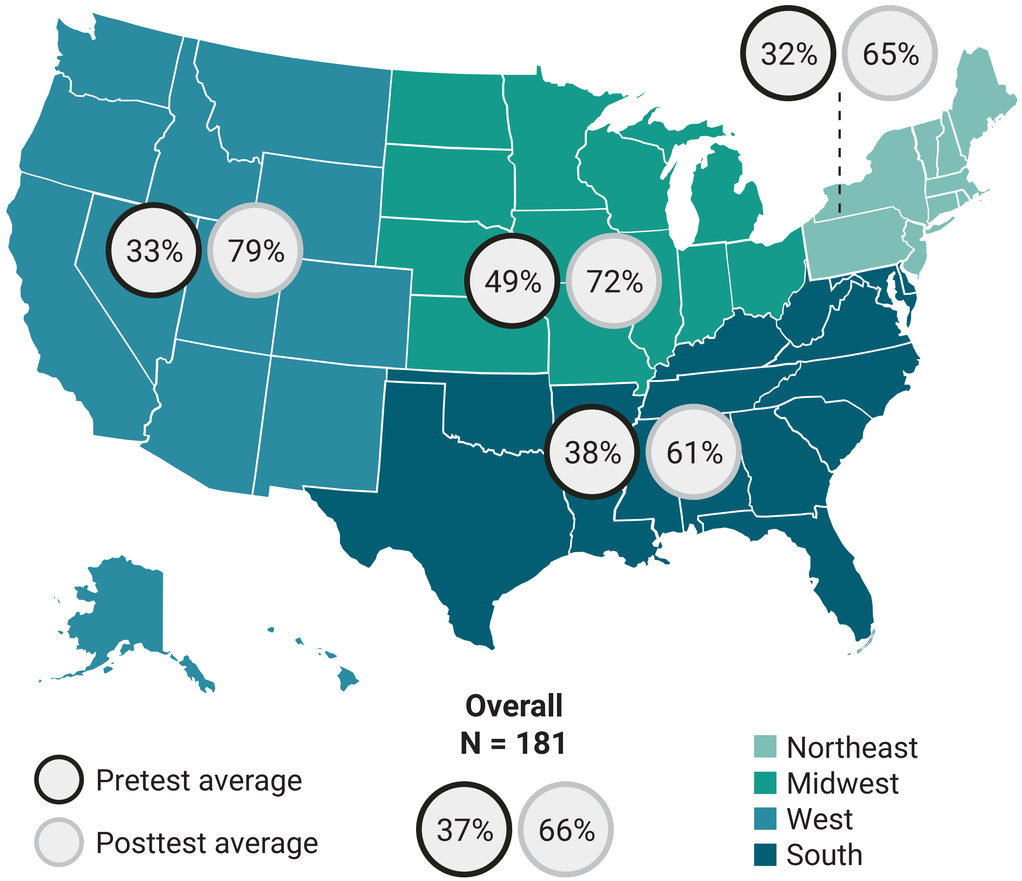
Statistical Analysis

- Kruskal Wallis H test was used to compare pretest and posttest scores.
- Wilcoxon signed rank test was used to compare differences between groups.

1. White House Office of National AIDS Policy (ONAP). National HIV/AIDS Strategy for the United States 2022–2025.

HCPs show significant improvements in learning following live HIV education.

Low posttest scores highlight the need for further education.



Program Overview

- HCP Learners: **295**
- Locations: **80**
- Professions Represented: **7**
- HIV/ID Specialists: **47%**
- Questions Answered: **3.37**
- Average Score Improvement: **22%**

Figures/Tables

Table 1. Matched Analysis Capturing Average Pretest and Posttest Scores for Different Professions

Profession Type (n)	Pre (%)	Post (%)
Pharmacist (127)	33	65*
Nurse (32)	42	68*
Physician (10)	47	78
Advanced Practice Nurse (7)	65	65
Non-HCP (3)	33	50
Other HCP**	33	100
Psychologist**	50	0

*Statistically significant (P <.05).
**Indicates pooled analysis.

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Live HIV Education Program Analysis