

AIDS Education And Training Centers (AETC) Program

Annual Data Report

2019

Reporting Years:

**2014–2015, 2015–2016, 2016–2017,
2017–2018, 2018–2019**



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Data are presented for training events and event participants reported by AETC Program grant recipients from July 2014 through June 2019.

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Information about the Ryan White HIV/AIDS Program: hab.hrsa.gov

Educational and technical assistance materials about HIV infection and the Ryan White HIV/AIDS Program: targethiv.org

Information about the AETC National Resource Center: aidsetc.org

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CONTENTS

Commentary	1
Technical Notes	6
Tables	7
Table 1 RWHAP AIDS Education and Training Centers (AETC) Program training events and participants by year, July 2014–June 2019—United States and 3 territories	7
Table 2a RWHAP AIDS Education and Training Centers (AETC) Program training events by year and training topic, other support, collaborating organization, and training modality, July 2014–June 2017—United States and 3 territories	7
Table 2b RWHAP AIDS Education and Training Centers (AETC) Program training events by year and training topic, other support, collaborating organization, and training modality, July 2017–June 2019—United States and 3 territories	9
Table 3 RWHAP AIDS Education and Training Centers (AETC) Program participants by year and selected characteristics, July 2014–June 2019—United States and 3 territories	12
Table 4a RWHAP AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and profession/discipline, July 2017–June 2018—United States and 3 territories	13
Table 4b RWHAP AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and profession/discipline, July 2018–June 2019—United States and 3 territories	13
Table 5a RWHAP AIDS Education and Training Centers (AETC) Program participants by gender and profession/discipline, July 2017–June 2018—United States and 3 territories	14
Table 5b RWHAP AIDS Education and Training Centers (AETC) Program participants by gender and profession/discipline, July 2018–June 2019—United States and 3 territories	14
Table 6 RWHAP AIDS Education and Training Center (AETC) Program participants by year and selected service delivery characteristics, July 2014–June 2019—United States and 3 territories	15
Table 7a RWHAP AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and service delivery to people with HIV, July 2017–June 2018—United States and 3 territories	17
Table 7b RWHAP AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and service delivery to people with HIV, July 2018–June 2019—United States and 3 territories	17
Table 8 RWHAP AIDS Education and Training Centers (AETC) Program participants by year and employment setting, July 2014–June 2019—United States and 3 territories	18

COMMENTARY

As a component of the Ryan White HIV/AIDS Treatment Extension Act of 2009 (Public Law 111-87 under Section 2692 of the Public Health Service [PHS] Act 42 U.S.C. 300ff-111(a); now called the Ryan White HIV/AIDS Program [RWHAP]), the AIDS Education and Training Centers (AETCs) Program is administered by the HIV/AIDS Bureau (HAB) of the Health Resources and Services Administration (HRSA) and consists of the following programs:

1. The Regional AETCs train health care providers to counsel, diagnose, treat, and medically manage people with HIV and to help prevent HIV transmission.
2. The National Coordinating Resource Center (NCRC) AETC, a national AETC, serves as the coordinator and disseminator of the work of the eight Regional AETC Programs. The NCRC supports the National HIV Curriculum (NHC) development, dissemination, and optimal utilization of the NHC across the United States and its territories. The NHC offers free online HIV continuing education for novice-to-expert health professionals, students, and faculty. The AETC National Clinician Consultation Center provides timely and appropriate responses to clinical questions related to HIV infection and other infectious diseases and comorbidities.

The Regional AETC Program's work aims to (1) increase the size and strengthen the skills of the current HIV clinical workforce in the United States; (2) improve outcomes along the HIV care continuum, including diagnosis, linkage to care, retention in care, and viral suppression; and (3) decrease HIV transmission and, ultimately, reduce HIV incidence by training the frontline workforce.

Furthermore, the RWHAP AETC Program provides funding for training and capacity building among racial and ethnic minority providers and minority-serving health professionals and for capacity building to address the disproportionate impact of HIV on racial and ethnic minority populations through the Minority AIDS Initiative.

The primary audiences for trainings conducted by the RWHAP Regional AETCs are novice and low-volume HIV treatment providers, allied health professionals, and health care support staff who treat people with HIV and those who are at high risk for HIV. Trainings also are intended for traditional prescribers (e.g., physicians, physician assistants, nurse practitioners) and other health professionals (e.g., dentists, psychiatrists, pharmacists).

To strengthen the HIV workforce, the RWHAP Regional AETCs offer training on a variety of topics, including, but not limited to, HIV-related basic science and epidemiology, interpretation of HIV drug-resistance testing, and management of antiretroviral medications. The Regional AETCs train across many practice settings, from health centers and mental health clinics to community-based organizations and providers in private practice. Training events within the Regional AETC programs are conducted through different modalities and are based on adult learning theory. The types of training interactions include clinical training, group and individual clinical consultations, skills building, technical assistance, didactic presentations, and any combination of these interactions.

The data in this report summarize the activities and work of the RWHAP Regional AETC Programs from July 2014 through June 2019. In September 2015, the number of Regional AETCs was reduced from 11 to eight. At that time, priorities shifted within the RWHAP AETC Program to increase emphasis on improving systems of care to drive health outcomes through practice transformation and inter-professional education. The reduced number of events and training participants displayed in the report tables for data beginning September 2015 may reflect these changes to the RWHAP AETC Program.

RWHAP AETC Program recipients submit data to HRSA HAB that correspond to a specific data collection period each year, which can change from year to year. Specifically, the July 2014–August 2015 and September 2015–June 2016 reporting periods differ from other reporting periods.

REPORT CHANGES

This report updates the most recent AETC Program Annual Data Report with two new years of data: July 2017–June 2018 and July 2018–June 2019. Overall, the data are presented for five reporting periods: July 2014–August 2015, September 2015–June 2016, July 2016–June 2017, July 2017–June 2018, and July 2018–June 2019.

Changes to Event Record and Participant Information Form Data

During the July 2016–June 2017 reporting period, a new Event Record (ER) data collection form was implemented, which resulted in the concurrent use of old and new forms during the transition. Because the event categories differed across the two forms, categories from the new form were cross-walked to the most appropriate corresponding category in the earlier ER form for the July 2016–June 2017 event data presented in this report (**Table 2a**).

Similar to the ER form changes during the July 2016–June 2017 reporting period, Participant Information Form (PIF) changes also were implemented in the reporting period; however, the new participant data categories could not be cross-walked to the previous variables. Therefore, participant data are not available for the July 2016–June 2017 reporting period. Tables displaying participant data over a 5-year period do not show data for July 2016–June 2017 (**Tables 1, 3, 6, and 8**).

Single-Year Report Table Changes

Data tables typically displaying only the “most recent data year” each have an “a” and “b” table in this report to provide single-year data for each of the two years of previously unpublished data. Data for July 2017–June 2018 are displayed in **Tables 4a, 5a, and 7a** and for July 2018–June 2019 in **Tables 4b, 5b, and 7b**.

Multiyear Report Table Changes

Tables displaying five years of data have been modified to accommodate the significant changes in the ER and PIF.

Table 2: Event data, by year and training topic, other support, collaborating organization, and training modality: Data have been separated into an “a” and “b” table according to the categories in each form.

Table 2a displays data for three reporting periods: July 2014–August 2015, September 2015–June 2016, and July 2016–June 2017 (cross-walked data in the latest year). **Table 2b** displays data for two reporting periods: July 2017–June 2018 and July 2018–June 2019.

Table 3: Participant data, by year and selected characteristics: Categories are combined where the definitions between forms match one another exactly over the 5-year period displayed. Dashes denote that a category did not apply for that period.

Table 6: Participant data, by year and selected service delivery characteristics: This report combines tables 6 and 7 from the previous annual report. The new **Table 6** includes information on all participants (from old table 6) at the top of the table and information on participants who provide direct services to people with HIV (from old table 7) in the remainder of the table. Data categories are presented for the years in which they were included on the PIF. Because of form changes, PIF data are not available for the July 2016–June 2017 reporting period.

Table 8: Participant data, by year and employment setting: Old table 9 from prior annual reports is now **Table 8**. Data categories are presented for the years in which they were included on the PIF. Geographic work setting(s) changed with the updated PIF. Data presented for the earlier years use participant-identified rural/urban classification of primary work settings. In the later years, participants reported up to five ZIP codes for their work setting(s). Data presented for these years use rural/urban classifications of ZIP codes reported by participants, according to the [HRSA Federal Office of Rural Health Policy's Rural-Urban Commuting Area \(RUCA\)](#) designation and identify participants who work only in rural settings, both in rural and suburban/urban settings, or only in suburban/urban settings.

HIGHLIGHTS OF ANALYSES

Unless otherwise specified, the highlights presented are the **averages** across the 5-year period from July 2014 through June 2019. Readers are encouraged to review all table titles and footnotes carefully to ensure a complete understanding of the displayed data.

Training Events

From July 2014 through June 2019, AETCs conducted a total of 51,765 training events, averaging 10,353 training events per year and reaching an average of 60,000 unique participants each year (range: 50,645–79,176; **Table 1**). As noted previously, participant data are not available for July 2016 through June 2017 because of changes in reporting.

Training Event Topics and Modalities

Most Frequent Training Event Topics

The topics most frequently presented in AETC training events from July 2014 through June 2016 were antiretroviral treatment (ART; presented in an average of 50% of training events during those years) and medication adherence (37% of events) (**Table 2a**). Other frequently presented topics included comorbidities (32% of events), HIV routine laboratory tests (28%), and clinical manifestations of HIV disease (27%). These training topics are not mutually exclusive; AETC training events typically include more than one topic. Because of the modifications made to the data collection tool—Participant Information Forms (PIFs) and Event Record (ER)—during the July 2016–June 2017 reporting period, the proportions in the training frequencies during that period shifted (see **Table 2a**).

The topics most frequently presented in AETC training events from July 2017 through June 2019 were ART adherence, including viral load suppression (presented in 30% of training events during those years); pre-exposure prophylaxis (PrEP; 28% of events); adult and adolescent ART (28%); and HIV diagnosis—that is, HIV testing (28%) (**Table 2b**). Other frequently presented topics included linkage to care (27%) and cultural competence (24%).

Priority Populations

Training topics from July 2014 through June 2016 focused on many priority populations of people with HIV, including racial and ethnic minorities (28%); women (23%); and gay, lesbian, bisexual, and transgender populations (23%) (**Table 2a**). Training topics from July 2017 through June 2019 similarly focused on gay, lesbian, bisexual, or transgender populations (25%); young adults (20%); the Black or African American population (21%); and women (20%) (**Table 2b**).

Training Modalities

The training modalities or technologies used most frequently from July 2014 through June 2016 were lectures/workshops (average, 41%), followed by chart and/or case reviews (average, 37%) and telephone/conference calls (average, 20%) (**Table 2a**). The training modalities or technologies used most frequently from July 2017 through June 2019 were coaching for organizational capacity building (27%), in-person interactive presentations (24%), and didactic presentations (19%) (**Table 2b**).

RWHAP AETC Program Training Participants

To improve the quality of health care provided by the HIV health care workforce and increase access to high-quality HIV care for vulnerable and underserved populations, AETCs concentrate on reaching professionals who have direct patient care responsibilities for people with HIV, especially those who serve racial and ethnic minority patients and those working at RWHAP- and HRSA-supported clinical health centers.

The majority of AETC participants during the period of July 2014 through June 2019 self-identified as White (52%), followed by Black (20%) and Hispanic/Latino (16%). Nearly three-quarters of AETC participants were female, whereas 25% of participants were male, and less than 1% of participants were transgender (**Table 3**).

Nurses and advanced practice nurses accounted for 26% of AETC participants from July 2014 through June 2019, whereas physicians accounted for 15% of AETC participants. Social workers accounted for 11% of AETC participants. Participants reported their primary functional roles within their organization. The most commonly reported roles were care provider/clinician (33%) and case manager (13%) (**Table 3**).

In 2017, across all racial and ethnic groups, with the exception of Asians and Hispanics/Latinos, nurses accounted for the highest percentage of participants. Among Asians, the highest percentage of participants were physicians (36%), and among Hispanics/Latinos, the highest percentage of participants were social workers (17%) (**Table 4a**).

In 2017, the highest percentages of profession by gender were as follows: Among males, 29% were physicians; among females, 29% were nurses; and among transgender people, 25% were community health workers (**Table 5a**).

In 2018, nurses accounted for the highest percentage of participants among American Indian/Alaskan Natives (21%), Native Hawaiian/Pacific Islanders (28%), and White participants (29%). Among Asians, the highest percentage of participants were physicians (35%). Among Blacks/African Americans and Hispanic/Latinos, the highest percentages of participants were social workers (20% and 18%, respectively) (**Table 4b**).

In 2018, the highest percentages of profession by gender were as follows: Among males, 28% were physicians; among females, 28% were nurses; and among transgender people, 35% were community health workers (**Table 5b**).

Service Delivery of RWHAP AETC Program Participants

RWHAP Regional AETC programs train and support clinicians and health care professionals who provide direct care and services to patients. During the period July 2014 through June 2019, the majority of participants (74%) provided direct clinical services. During the period July 2017 through June 2019, more than half the participants (56%) provided HIV prevention counseling and testing services, and 21% prescribed PrEP (**Table 6**).

Service Delivery to People with HIV

From July 2014 through June 2019, an average of 66% of AETC participants provided direct services to people with HIV (**Table 6**).

Approximately half of AETC participants from July 2014 through June 2019 had patient populations of people with HIV composed of at least 50% racial/ethnic minorities (**Table 6**).

During both the July 2017–June 2018 and July 2018–June 2019 reporting periods, the number of years of experience providing direct care to people with HIV varied by the race and ethnicity of participants.

- During July 2017–June 2018, on average, approximately 21% of participants across all races and ethnicities reported 1 year or less of experience serving people with HIV. Approximately 40% of White and Black/African American participants each reported 10 or more years of service to people with HIV, compared with a range of 30% to 36% among participants of other races and ethnicities (**Table 7a**).
- During July 2018–June 2019, approximately 23% of participants across all races and ethnicities reported 1 year or less of experience serving people with HIV. Approximately 38% of White and Black/African American participants each reported 10 or more years of service to people with HIV, compared with a range of 28% to 35% among participants of other races and ethnicities (**Table 7b**).

Employment Setting of RWHAP AETC Participants

The employment setting most frequently reported by AETC participants from July 2018 through June 2019 was academic health center (17%), followed by HIV or infectious diseases clinic (16%), federally qualified health center (13%), other community-based organization (13%), and state or local health department (11%) (**Table 8**).

From July 2014 through June 2019, the primary employment setting for most of the AETC participants was in a suburban/urban area (84%). On average, nearly half (48%) of AETC participants worked in an RWHAP-funded employment setting (**Table 8**).

TECHNICAL NOTES

Each year, RWHAP AETC Program grant recipients report data to HRSA HAB about the sponsored training events and the participants who attended those events in the United States, Guam, Puerto Rico, and the U.S. Virgin Islands.

Information collected on training events includes the topics covered, names of collaborating organizations, types of funds used from special initiatives, type and length of sessions, training modalities or technologies used, the total number of participants in attendance, and the total number of PIFs collected from participants.

Information collected on participants includes demographic information (e.g., profession, functional role, race/ethnicity, and gender). In addition, information on participants' employment settings is collected (e.g., if the setting is in a rural or suburban/urban area, if the setting is a faith-based organization [for data through June 2016 only], if the setting receives RWHAP funding, and the ZIP code of the setting). Patient care information also is collected from participants (e.g., if they provide services directly to people with HIV and, if so, how many years of experience they have been providing such services; the average number of people with HIV they serve; and percentage estimates of clients to whom they provide services that meet certain characteristics—for example, those who are of racial/ethnic minorities or are receiving ART therapy).

Data are submitted to HRSA HAB each year and contain information on all activities that occurred during a specific time frame. During the July 2016–June 2017 data collection period, HRSA HAB implemented new PIF and ER data forms. The switch between tools resulted in the concurrent use of both forms during the transition period, as well as inconsistencies in participant data collection. Therefore, reliable participant information for that reporting period is not available.

Table 1. RWHAP AIDS Education and Training Centers (AETC) Program training events and participants by year, July 2014–June 2019—United States and 3 territories

Year	Events	Participants ^a
July 2014–August 2015	14,309	79,176
September 2015–June 2016	7,274	50,645
July 2016–June 2017	9,892	—
July 2017–June 2018	10,506	55,219
July 2018–June 2019	9,784	56,124

^a Participant data unavailable for July 2016–June 2017.

Table 2a. RWHAP AIDS Education and Training Centers (AETC) Program training events by year and training topic, other support, collaborating organization, and training modality, July 2014–June 2017—United States and 3 territories

Training topic	July 2014–August 2015		September 2015–June 2016		July 2016–June 2017 ^a	
	No.	% of training events	No.	% of training events	No.	% of training events
Most frequently presented training topics						
Antiretroviral treatment	7,265	51.0	3,577	49.3	3,226	35.3
Basic science/epidemiology	3,289	23.1	1,905	26.3	2,493	27.3
Clinical manifestations of HIV disease	3,980	27.9	1,845	25.4	2,132	23.3
Comorbidities	4,516	31.7	2,279	31.4	2,894	31.7
Hepatitis A, B, C	3,278	23.0	1,553	21.4	2,076	22.7
HIV routine lab test	4,137	29.0	1,935	26.7	2,215	24.2
Medication adherence	5,344	37.5	2,596	35.8	697	7.6
Non-ART treatment	2,858	20.1	1,322	18.2	338	3.7
Nutrition	1,076	7.6	394	5.4	417	4.6
Opportunistic infections	3,395	23.8	1,545	21.3	1,493	16.3
Oral health	1,078	7.6	380	5.2	485	5.3
Pediatric HIV management/perinatal transmission	1,166	8.2	623	8.6	763	8.3
Pre/post-exposure prophylaxis (occupational and non-occupational)	2,754	19.3	1,881	25.9	3,032	33.2
Reproductive health	1,574	11.1	699	9.6	675	7.4
Resistance/genotype-phenotype interpretation	2,922	20.5	1,403	19.4	406	4.4
Routine primary care screenings	3,588	25.2	1,703	23.5	494	5.4
Health care organization and delivery issues						
Agency needs assessment	1,187	8.3	731	10.1	750	8.2
Community linkages	2,766	19.4	1,719	23.7	2,383	26.1
Cultural competence	2,135	15.0	1,195	16.5	2,108	23.1
Education development/delivery	1,923	13.5	1,254	17.3	465	5.1
Grant issues	464	3.3	321	4.4	101	1.1
Health literacy	1,064	7.5	602	8.3	1,205	13.2
Health organization and finances	423	3.0	365	5.0	141	1.5
Health care development/clinical service coordination	1,971	13.8	1,281	17.7	462	5.1
HIPAA/confidentiality	1,050	7.4	624	8.6	892	9.8
Quality improvement	2,290	16.1	1,139	15.7	1,710	18.7
Resource allocation	932	6.5	617	8.5	678	7.4
Risk assessment	3,438	24.1	1,947	26.9	2,349	25.7
Risk reduction/harm reduction	3,795	26.6	2,054	28.3	1,729	18.9
Routine HIV testing	3,383	23.8	1,849	25.5	1,633	17.9
Technology	689	4.8	452	6.2	656	7.2
Psychosocial issues						
Mental health	3,110	21.8	1,486	20.5	1,480	16.2
Substance abuse	2,751	19.3	1,528	21.1	1,337	14.6
Priority populations						
Children (Ages 0–12 years)	648	4.6	353	4.9	416	4.6
Adolescents (Ages 13–24 years)	1,872	13.1	1,122	15.5	2,126	23.3
Older adults (Ages 50 years and over)	2,308	16.2	1,330	18.3	1,934	21.2
Racial or ethnic minorities	3,752	26.3	2,204	30.4	2,741	30.0
Women	3,049	21.4	1,730	23.9	2,133	23.3
Gay, lesbian, bisexual, or transgender	2,954	20.7	1,865	25.7	2,507	27.4
Homeless or unstably housed	1,617	11.4	1,051	14.5	1,244	13.6
Immigrant or border populations	1,268	8.9	809	11.2	796	8.7
Incarcerated individuals	1,523	10.7	683	9.4	727	8.0
Rural populations	2,174	15.3	1,249	17.2	1,340	14.7
Other specific populations	415	2.9	210	2.9	337	3.7
Number of events	14,241	—	7,250	—	9,141	—

Table 2a. RWHP AIDS Education and Training Centers (AETC) Program training events by year and training topic, other support, collaborating organization, and training modality, July 2014–June 2017—United States and 3 territories (cont.)

	July 2014–August 2015		September 2015–June 2016		July 2016–June 2017 ^a	
	No.	% of training events	No.	% of training events	No.	% of training events
Other support						
Most frequent additional funding sources						
American Indian/Alaska Native Initiative	137	1.0	107	1.5	11	0.2
Border Health Initiative	58	0.4	28	0.4	9	0.2
Minority AIDS Initiative (MAI)	4,646	32.6	2,043	29.0	2,652	59.3
None of the above	9,426	66.2	4,870	69.1	1,798	40.2
Number of events	14,247	—	7,048	—	4,470	—
Collaborating organization						
None	8,986	63.5	4,111	58.2	1,549	32.7
Other AETCs	553	3.9	131	1.9	36	0.8
Delta	3	<0.1	3	<0.1	0	0.0
Florida/Caribbean	34	0.2	5	0.1	4	0.1
Midwest	68	0.5	18	0.3	4	0.1
Mountain Plains	17	0.1	3	<0.1	2	<0.1
New England	64	0.5	17	0.2	17	0.4
New York/New Jersey	4	<0.1	7	0.1	4	0.1
Northwest	5	<0.1	5	0.1	0	0.0
Pacific	4	<0.1	11	0.2	1	<0.1
Pennsylvania/Mid-Atlantic	63	0.4	6	0.1	2	<0.1
Southeast	19	0.1	11	0.2	2	<0.1
Texas/Oklahoma	69	0.5	54	0.8	5	0.1
National Clinician Consultation Center (NCCC)	5	<0.1	0	0.0	0	0.0
National Multi-Cultural Center (NMCC)	0	0.0	0	0.0	0	0.0
National Resource Center (NRC)	9	0.1	6	0.1	2	<0.1
National Evaluation Center (NEC)	0	0.0	1	<0.1	1	<0.1
Capacity Building Assistance for Community Health Centers	204	1.4	5	0.1	0	0.0
Other training centers	293	2.1	62	0.9	123	2.6
Addiction Technology Transfer Center (ATTC)	37	0.3	16	0.2	12	0.3
Area Health Education Center (AHEC)	179	1.3	29	0.4	40	0.8
Prevention Training Center (PTC)	80	0.6	18	0.3	64	1.4
Regional Training Center (RTC)	17	0.1	7	0.1	1	<0.1
TB Training Center	17	0.1	6	0.1	11	0.2
Other agencies	4,801	33.9	2,822	40.0	3,097	65.5
Agencies funded by Ryan White HIV/AIDS Program	2,354	16.6	1,323	18.7	1,434	30.3
AIDS community-based organizations	607	4.3	470	6.7	486	10.3
College/university/health professions school	1,272	9.0	798	11.3	843	17.8
Community health center	1,343	9.5	838	11.9	995	21.0
Corrections	269	1.9	113	1.6	95	2.0
Faith-based organization	112	0.8	42	0.6	28	0.6
Historically Black College or University/ Hispanic-serving institution/tribal college or university	139	1.0	203	2.9	179	3.8
Hospital/hospital-based clinic	1,767	12.5	748	10.6	775	16.4
Tribal health organizations	83	0.6	123	1.7	141	3.0
Number of events (all collaborating organizations)	14,162	—	7,059	—	4,730	—
Training modality						
Training modalities or technologies applied in the event						
Chart/case review	5,722	40.9	2,166	32.8	553	19.8
Clinical preceptorship/mini-residency	1,951	14.0	1,051	15.9	353	12.7
Computer-based	2,072	14.8	1,044	15.8	500	17.9
Conference call/telephone	3,262	23.3	1,093	16.6	439	15.7
Lecture/workshop	5,175	37.0	2,936	44.5	866	31.0
Role play/simulation	798	5.7	470	7.1	665	23.8
Self-study	434	3.1	150	2.3	100	3.6
Telemedicine	416	3.0	146	2.2	41	1.5
Webcast/webinar	915	6.5	318	4.8	129	4.6
Number of events	13,974	—	6,594	—	2,790	—

Abbreviations: ART, antiretroviral therapy; HIPAA, Health Insurance Portability and Accountability Act; TB, tuberculosis

Notes: Training topic, other support, collaborating organization, training modality categories are not mutually exclusive. Subtotals for each represent the number of unique events and serve as the denominators for percentage calculations.

^a During the July 2016–June 2017 data collection period, a new Event Record data form was implemented. The switch between tools resulted in the concurrent use of old and new forms during the transition period. Because of differences between forms, the events for this period have been cross-walked to the earlier form for this table.

Table 2b. RWHAP AIDS Education and Training Centers (AETC) Program training events by year and training topic, other support, collaborating organization, and training modality, July 2017–June 2019—United States and 3 territories

Training topic	July 2017–June 2018		July 2018–June 2019	
	No.	% of training events	No.	% of training events
HIV prevention				
Behavioral prevention	1,938	18.5	1,932	19.8
Harm reduction/safe injection	1,260	12.0	1,153	11.8
HIV transmission risk assessment	2,443	23.3	2,190	22.4
Post-exposure prophylaxis (PEP, occupational and nonoccupational)	1,545	14.7	1,501	15.4
Pre-exposure prophylaxis (PrEP)	2,979	28.4	2,761	28.3
Prevention of perinatal or mother-to-child transmission	812	7.7	675	6.9
Other biomedical prevention	516	4.9	384	3.9
HIV background and management				
Acute HIV	1,416	13.5	1,174	12.0
Adult and adolescent antiretroviral treatment	2,837	27.1	2,890	29.6
Aging and HIV	1,055	10.1	948	9.7
Antiretroviral treatment adherence, including viral load suppression	3,078	29.4	2,889	29.6
Basic science	2,068	19.7	1,811	18.6
Clinical manifestations of HIV disease	1,986	18.9	1,893	19.4
HIV diagnosis (i.e., HIV testing)	2,945	28.1	2,715	27.8
HIV epidemiology	1,927	18.4	1,698	17.4
HIV monitoring and lab tests (i.e., CD4 and viral load)	2,475	23.6	2,252	23.1
HIV resistance testing and interpretation	1,572	15.0	1,395	14.3
Linkage to care	2,819	26.9	2,570	26.3
Pediatric HIV management	277	2.6	194	2.0
Retention and/or re-engagement in care	2,204	21.0	1,944	19.9
Primary care and comorbidities				
Cervical cancer screening, including HPV	370	3.5	299	3.1
Hepatitis B	858	8.2	759	7.8
Hepatitis C	1,914	18.3	1,718	17.6
Immunization	666	6.4	708	7.3
Influenza	265	2.5	269	2.8
Malignancies	448	4.3	357	3.7
Medication-assisted therapy for substance use disorders	459	4.4	518	5.3
Mental health disorders	1,352	12.9	1,241	12.7
Non-infection comorbidities of HIV or viral hepatitis	1,298	12.4	1,101	11.3
Nutrition	441	4.2	307	3.1
Opportunistic infections	1,434	13.7	1,207	12.4
Oral health	444	4.2	327	3.4
Osteoporosis	208	2.0	195	2.0
Pain management	244	2.3	309	3.2
Palliative care	97	0.9	99	1.0
Primary care screenings	1,579	15.1	1,364	14.0
Reproductive health, including preconception planning	757	7.2	591	6.1
Sexually transmitted infections	2,134	20.4	2,113	21.6
Substance use disorders	1,508	14.4	1,488	15.2
Tobacco cessation	470	4.5	331	3.4
Tuberculosis	322	3.1	259	2.7
Issues related to care of people with HIV				
Cultural competence	2,790	26.6	2,091	21.4
Health literacy	1,742	16.6	1,308	13.4
Low English proficiency	391	3.7	276	2.8
Motivational interviewing	1,328	12.7	923	9.5
Stigma or discrimination	2,360	22.5	2,210	22.6
Education				
Adult learning principles	963	9.2	880	9.0
Best practices in training	1,870	17.8	1,389	14.2
Curriculum development	924	8.8	910	9.3
Use of technology for education	1,068	10.2	367	3.8
Health care organization or systems issues				
Billing for services and payment models	724	6.9	417	4.3
Case management	1,453	13.9	1,236	12.7
Community linkages	2,199	21.0	1,758	18.0
Confidentiality/HIPAA	871	8.3	632	6.5
Coordination of care	2,338	22.3	1,930	19.8
Funding or resource allocation	689	6.6	441	4.5
Health insurance coverage	862	8.2	696	7.1
Legal issues	466	4.4	378	3.9
Organizational infrastructure	1,629	15.5	652	6.7
Organizational needs assessment	1,246	11.9	448	4.6
Patient-centered medical home	677	6.5	323	3.3
Practice transformation	1,510	14.4	767	7.9
Quality improvement	2,244	21.4	1,278	13.1
Team-based care	1,288	12.3	1,051	10.8
Use of technology for patient care	748	7.1	486	5.0

Table 2b. RWHAP AIDS Education and Training Centers (AETC) Program training events by year and training topic, other support, collaborating organization, and training modality, July 2017–June 2019—United States and 3 territories (cont.)

	July 2017–June 2018		July 2018–June 2019	
	No.	% of training events	No.	% of training events
Priority populations				
Children (Ages 0–12 years)	406	3.9	337	3.5
Adolescents (Ages 13–17 years)	1,082	10.3	917	9.4
Young adults (Ages 18–24 years)	2,159	20.6	1,923	19.7
Older adults (Ages 50 years and over)	1,958	18.7	1,793	18.4
American Indian or Alaska Native	525	5.0	465	4.8
Asian	353	3.4	301	3.1
Black or African American	2,109	20.1	2,005	20.5
Hispanic or Latino	1,527	14.6	1,447	14.8
Native Hawaiian or Pacific Islander	280	2.7	242	2.5
Other race or ethnicity	451	4.3	255	2.6
Women	2,036	19.4	1,961	20.1
Gay, lesbian, bisexual, or transgender	2,654	25.3	2,422	24.8
Homeless or unstably housed	1,297	12.4	1,160	11.9
Immigrants	867	8.3	631	6.5
Incarcerated or recently released	779	7.4	749	7.7
Rural populations	1,122	10.7	1,216	12.5
U.S.-Mexico border population	395	3.8	325	3.3
Other specific populations	272	2.6	233	2.4
Number of events	10,482	—	9,761	—
Other support				
Funding sources used				
Centers for Disease Control and Prevention	345	3.3	280	2.9
Core Training and Technical Assistance	6,321	60.3	6,045	61.8
Interprofessional Education	590	5.6	494	5.1
Minority AIDS Initiative (MAI)	3,421	32.6	3,264	33.4
Practice Transformation	1,857	17.7	965	9.9
Total number of events	10,487	—	9,778	—
Collaborating organization				
Other AETC collaborators				
Frontier AETC	29	0.9	1	<0.1
Mid-Atlantic AETC	1	<0.1	13	0.4
Midwest AETC	17	0.5	33	1.0
New England AETC	27	0.8	43	1.4
Northeast Caribbean AETC	12	0.4	3	0.1
Pacific AETC	14	0.4	16	0.5
South Central AETC	88	2.6	103	3.2
Southeast AETC	38	1.1	27	0.8
AETC National Clinicians' Consultation Center	11	0.3	6	0.2
AETC National Coordinating Resource Center	23	0.7	17	0.5
AETC National Evaluation Center	0	0.0	7	0.2
Duke nurse practitioner program	31	0.9	42	1.3
Johns Hopkins nurse practitioner program	1	<0.1	2	0.1
Rutgers nurse practitioner program	0	0.0	1	<0.1
SUNY physician assistant program	4	0.1	2	0.1
UCSF nurse practitioner program	0	0.0	0	0.0
Same region but different local partner	1	<0.1	0	0.0
Other federally funded training center collaborators				
Addiction Technology Transfer Center (ATTC)	44	1.3	76	2.4
Area Health Education Center (AHEC)	39	1.2	49	1.5
Capacity Building Assistance (CBA) Provider	66	2.0	61	1.9
Family Planning National Training Center	0	0.0	1	<0.1
Public Health Training Center (PHTC)	4	0.1	30	0.9
STD Clinical Prevention Training Center (PTC)	100	3.0	99	3.1
TB Regional Training and Medical Consultation Center	62	1.9	13	0.4
Viral Hepatitis Education and Training Project	1	<0.1	2	0.1

Table 2b. RWHPA AIDS Education and Training Centers (AETC) Program training events by year and training topic, other support, collaborating organization, and training modality, July 2017–June 2019—United States and 3 territories (cont.)

	July 2017–June 2018		July 2018–June 2019	
	No.	% of training events	No.	% of training events
Other organization collaborators	3,137	30.0	2,942	30.2
AIDS services organization	408	12.2	358	11.2
Community health center, including federally qualified health center (FQHC) funded by HRSA	901	26.9	764	24.0
Correctional institution	94	2.8	62	1.9
Faith-based organization	30	0.9	38	1.2
Health professions school	651	19.4	870	27.3
Hispanic-serving Institution	177	5.3	214	6.7
Historically Black College or University	73	2.2	134	4.2
Hospital or hospital-based clinic	685	20.4	602	18.9
Other	382	11.4	261	8.2
Other community-based organization	287	8.6	308	9.7
Ryan White HIV/AIDS Program–funded organization, including subrecipients	1,250	37.3	1,233	38.7
Tribal college or university	39	1.2	12	0.4
Tribal health organization	76	2.3	39	1.2
Number of events (all collaborating organizations)	3,351	—	3,185	—
Training modality				
Training modalities or technologies applied in the event				
Didactic presentations, in-person	1,271	12.2	1,324	13.6
Didactic presentations, distance-based (live)	241	2.3	282	2.9
Didactic presentations, distance-based (archived)	295	2.8	334	3.4
Interactive presentations, in-person	2,334	22.3	2,200	22.6
Interactive presentations, distance-based (live)	160	1.5	199	2.0
Communities of practice, in-person	713	6.8	1,065	10.9
Communities of practice, distance-based (live)	808	7.7	378	3.9
Self-study, distance-based (archived)	229	2.2	124	1.3
Clinical preceptorships, in-person	1,295	12.4	1,359	13.9
Clinical preceptorships, distance-based (live)	15	0.1	6	0.1
Clinical consultation, in-person	524	5.0	674	6.9
Clinical consultation, distance-based (live)	617	5.9	534	5.5
Coaching for organizational capacity building, in-person	1,982	19.0	1,548	15.9
Coaching for organizational capacity building, distance-based (live)	1,176	11.3	803	8.2
Number of events	10,448	—	9,754	—

Abbreviations: HIPAA, Health Insurance Portability and Accountability Act; HPV, human papillomavirus; STD, sexually transmitted disease; SUNY, State University of New York; TB, tuberculosis; UCSF, University of California, San Francisco.

Notes: Training topic, other support, collaborating organization, training modality categories are not mutually exclusive.

Subtotals for each represent the number of unique events and serve as the denominators for percentage calculations.

Table 3. RWHAAP AIDS Education and Training Centers (AETC) Program participants by year and selected characteristics, July 2014–June 2019—United States and 3 territories

	July 2014– August 2015		September 2015– June 2016		July 2016– June 2017		July 2017– June 2018		July 2018– June 2019	
	No.	%	No.	%	No.	%	No.	%	No.	%
Race/ethnicity										
American Indian/Alaska Native	1,277	1.7	969	2.0	—	—	858	1.7	785	1.5
Asian	5,401	7.0	3,624	7.5	—	—	3,581	7.1	3,737	7.3
Black/African American	14,842	19.2	10,132	20.8	—	—	10,001	19.8	10,663	20.9
Hispanic/Latino ^a	10,626	13.8	6,848	14.1	—	—	8,663	17.1	8,818	17.3
Native Hawaiian/Pacific Islander	313	0.4	145	0.3	—	—	171	0.3	153	0.3
White	41,525	53.8	25,800	53.1	—	—	25,708	50.8	25,271	49.5
Multiple Races	3,132	4.1	1,076	2.2	—	—	1,616	3.2	1,652	3.2
Subtotal	77,116	100.0	48,595	100.0	—	—	50,598	100.0	51,079	100.0
Gender										
Male	20,608	26.6	12,616	25.7	—	—	12,251	24.6	11,961	23.9
Female	56,657	73.1	36,172	73.8	—	—	37,299	74.8	37,655	75.4
Transgender	278	0.4	251	0.5	—	—	322	0.6	335	0.7
Subtotal	77,542	100.0	49,039	100.0	—	—	49,872	100.0	49,951	100.0
Professional discipline										
Advanced practice nurse	4,717	6.0	3,112	6.2	—	—	—	—	—	—
Clergy/faith-based professional	154	0.2	103	0.2	—	—	105	0.2	127	0.2
Community health worker	2,607	3.3	1,672	3.3	—	—	2,896	5.5	3,420	6.4
Dentist	2,309	2.9	1,326	2.7	—	—	1,601	3.1	1,983	3.7
Dietitian/nutritionist	374	0.5	199	0.4	—	—	170	0.3	183	0.3
Health educator	3,070	3.9	1,967	3.9	—	—	—	—	—	—
Mental/behavioral health professional	2,245	2.9	1,448	2.9	—	—	1,809	3.5	1,912	3.6
Midwife	—	—	—	—	—	—	152	0.3	90	0.2
Nurse	18,008	22.9	10,874	21.8	—	—	—	—	—	—
Nurse/advanced practice nurse (non-prescriber)	—	—	—	—	—	—	9,335	17.8	8,813	16.5
Nurse practitioner	—	—	—	—	—	—	3,142	6.0	3,059	5.7
Other allied health professional	—	—	—	—	—	—	3,156	6.0	3,214	6.0
Other dental professional	3,098	3.9	1,475	3.0	—	—	1,481	2.8	1,171	2.2
Other non-clinical professional	8,491	10.8	6,543	13.1	—	—	4,295	8.2	4,383	8.2
Other public health professional	4,807	6.1	3,257	6.5	—	—	4,379	8.4	5,101	9.6
Pharmacist	5,711	7.3	3,616	7.2	—	—	3,290	6.3	3,279	6.2
Physician	12,455	15.9	7,682	15.4	—	—	7,861	15.0	7,416	13.9
Physician assistant	2,174	2.8	1,462	2.9	—	—	1,322	2.5	1,525	2.9
Practice administrator or leader	—	—	—	—	—	—	878	1.7	798	1.5
Social worker	7,146	9.1	4,459	8.9	—	—	6,514	12.4	7,107	13.3
Substance abuse professional	1,131	1.4	739	1.5	—	—	957	1.8	1,051	2.0
Subtotal	78,497	100.0	49,932	100.0	—	—	52,433	—	53,271	—
Role in their organization										
Administrator	6,522	8.4	4,212	8.5	—	—	4,537	8.5	4,366	8.2
Agency board member	103	0.1	96	0.2	—	—	85	0.2	105	0.2
Care provider/clinician	29,945	38.6	16,977	34.3	—	—	—	—	—	—
Care provider/clinician—can or does prescribe HIV treatment	—	—	—	—	—	—	6,349	12.0	6,082	11.4
Care provider/clinician—cannot or does not prescribe HIV treatment	—	—	—	—	—	—	10,185	19.2	9,802	18.3
Case manager	10,135	13.1	6,395	12.9	—	—	6,136	11.6	6,795	12.7
Client/patient educator	4,306	5.5	2,853	5.8	—	—	—	—	—	—
Client/patient educator (includes navigator)	—	—	—	—	—	—	2,154	4.1	2,567	4.8
Clinical/medical assistant	3,513	4.5	2,296	4.6	—	—	2,030	3.8	1,977	3.7
Health care organization non-clinical staff	—	—	—	—	—	—	1,150	2.2	1,339	2.5
HIV tester	—	—	—	—	—	—	1,466	2.8	1,836	3.4
Intern/resident	3,106	4.0	1,970	4.0	—	—	1,596	3.0	1,952	3.7
Other	10,708	13.8	7,423	15.0	—	—	8,921	16.8	8,423	15.8
Researcher/evaluator	1,826	2.4	1,218	2.5	—	—	1,099	2.1	1,370	2.6
Student/graduate student	4,900	6.3	4,488	9.1	—	—	5,559	10.5	7,122	13.3
Teacher/faculty	2,595	3.3	1,564	3.2	—	—	1,593	3.0	1,650	3.1
Subtotal	77,658	100.0	49,490	100.0	—	—	53,117	—	53,420	—

Notes: Participant data unavailable for July 2016–June 2017.

Participants reporting for July 2014–August 2015 and September 2015–June 2016 selected only one profession/discipline and one primary functional role; percentages for these years are rounded and may not sum to 100.0% as displayed.

Participants reporting for July 2017–June 2018 and July 2018–June 2019 selected all profession/disciplines and primary functional roles that apply. Data for these years are not mutually exclusive; numbers may not sum to the subtotal, and percentages may not sum to 100.0%.

^a Hispanics/Latinos can be of any race.

Table 4a. RWHAP AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and profession/discipline, July 2017–June 2018—United States and 3 territories

Profession/discipline	American Indian/ Alaska Native		Asian		Black/ African American		Hispanic/Latino ^a		Native Hawaiian/ Pacific Islander		White		Multiple races	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Clergy/faith-based professional	0	0.0	2	0.1	41	0.4	12	0.1	0	0.0	36	0.1	10	0.6
Community health worker	118	13.9	57	1.6	959	9.6	869	10.1	7	4.1	656	2.6	137	8.5
Dentist	14	1.7	305	8.6	156	1.6	254	2.9	2	1.2	767	3.0	45	2.8
Dietitian/nutritionist	2	0.2	7	0.2	12	0.1	27	0.3	1	0.6	109	0.4	4	0.2
Mental/behavioral health professional	27	3.2	46	1.3	424	4.3	327	3.8	1	0.6	825	3.2	90	5.6
Midwife	4	0.5	2	0.1	14	0.1	7	0.1	0	0.0	113	0.4	5	0.3
Nurse/advanced practice nurse (non-prescriber)	145	17.1	440	12.3	1,535	15.4	1,016	11.8	48	28.4	5,518	21.6	238	14.8
Nurse practitioner	20	2.4	147	4.1	511	5.1	233	2.7	7	4.1	2,008	7.9	59	3.7
Other allied health professional	96	11.3	127	3.6	617	6.2	960	11.1	22	13.0	1,058	4.1	88	5.5
Other dental professional	25	2.9	57	1.6	148	1.5	314	3.6	4	2.4	838	3.3	37	2.3
Other non-clinical professional	130	15.3	173	4.9	970	9.7	980	11.4	18	10.7	1,662	6.5	135	8.4
Other public health professional	72	8.5	183	5.1	1,222	12.3	706	8.2	6	3.6	1,762	6.9	155	9.6
Pharmacist	19	2.2	522	14.6	243	2.4	263	3.1	9	5.3	2,000	7.8	70	4.4
Physician	36	4.2	1,287	36.1	723	7.3	872	10.1	25	14.8	4,016	15.7	225	14.0
Physician assistant	10	1.2	78	2.2	84	0.8	87	1.0	4	2.4	894	3.5	32	2.0
Practice administrator or leader	16	1.9	21	0.6	166	1.7	179	2.1	2	1.2	431	1.7	28	1.7
Social worker	64	7.5	112	3.1	1,865	18.7	1,439	16.7	12	7.1	2,539	9.9	231	14.4
Substance abuse professional	50	5.9	8	0.2	315	3.2	124	1.4	1	0.6	393	1.5	33	2.1
Total	848	—	3,564	—	9,960	—	8,614	—	169	—	25,533	—	1,607	—

Notes: Data shown for each profession/discipline are not mutually exclusive; participants may have reported multiple professions/disciplines.

Subtotals represent the number of unique participants within each race/ethnicity that reported at least one profession/discipline.

^a Hispanics/Latinos can be of any race.

Table 4b. RWHAP AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and profession/discipline, July 2018–June 2019—United States and 3 territories

Profession/discipline	American Indian/ Alaska Native		Asian		Black/ African American		Hispanic/Latino ^a		Native Hawaiian/ Pacific Islander		White		Multiple races	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Clergy/faith-based professional	3	0.4	0	0.0	72	0.7	10	0.1	0	0.0	28	0.1	11	0.7
Community health worker	114	14.7	52	1.4	1,209	11.6	1,038	11.9	6	3.9	721	2.9	168	10.2
Dentist	11	1.4	394	10.6	167	1.6	340	3.9	5	3.3	895	3.6	68	4.1
Dietitian/nutritionist	1	0.1	7	0.2	29	0.3	30	0.3	1	0.7	107	0.4	5	0.3
Mental/behavioral health professional	32	4.1	46	1.2	484	4.6	363	4.2	3	2.0	818	3.3	86	5.2
Midwife	4	0.5	1	<0.1	6	0.1	10	0.1	1	0.7	64	0.3	3	0.2
Nurse/advanced practice nurse (non-prescriber)	138	17.8	421	11.3	1,378	13.2	891	10.2	32	21.1	5,294	21.1	235	14.3
Nurse practitioner	27	3.5	163	4.4	489	4.7	251	2.9	10	6.6	1,938	7.7	60	3.7
Other allied health professional	88	11.3	138	3.7	720	6.9	844	9.7	13	8.6	1,075	4.3	89	5.4
Other dental professional	17	2.2	55	1.5	130	1.2	196	2.2	2	1.3	683	2.7	30	1.8
Other non-clinical professional	77	9.9	206	5.5	1,040	10.0	984	11.3	12	7.9	1,664	6.6	143	8.7
Other public health professional	92	11.9	204	5.5	1,406	13.5	810	9.3	13	8.6	1,991	7.9	189	11.5
Pharmacist	16	2.1	529	14.2	369	3.5	332	3.8	7	4.6	1,801	7.2	74	4.5
Physician	35	4.5	1,280	34.5	682	6.5	919	10.5	20	13.2	3,796	15.2	206	12.5
Physician assistant	12	1.5	108	2.9	94	0.9	106	1.2	4	2.6	1,044	4.2	41	2.5
Practice administrator or leader	8	1.0	20	0.5	203	1.9	137	1.6	1	0.7	351	1.4	25	1.5
Social worker	73	9.4	112	3.0	2,093	20.0	1,543	17.6	18	11.8	2,750	11.0	238	14.5
Substance abuse professional	43	5.5	7	0.2	348	3.3	151	1.7	4	2.6	439	1.8	30	1.8
Total	776	—	3,714	—	10,442	—	8,744	—	152	—	25,054	—	1,643	—

Notes: Data shown for each profession/discipline are not mutually exclusive; participants may have reported multiple professions/disciplines.

Subtotals represent the number of unique participants within each race/ethnicity that reported at least one profession/discipline.

^a Hispanics/Latinos can be of any race.

Table 5a. RWHAP AIDS Education and Training Centers (AETC) Program participants by gender and profession/discipline, July 2017–June 2018—United States and 3 territories

Profession/discipline	Male		Female		Transgender	
	No.	%	No.	%	No.	%
Clergy/faith-based professional	44	0.4	53	0.1	1	0.3
Community health worker	846	7.0	1,715	4.6	79	24.6
Dentist	768	6.3	762	2.1	3	0.9
Dietitian/nutritionist	10	0.1	152	0.4	0	0.0
Mental/behavioral health professional	373	3.1	1,329	3.6	12	3.7
Midwife	2	<0.1	137	0.4	1	0.3
Nurse/advanced practice nurse (non-prescriber)	737	6.1	8,115	21.9	21	6.5
Nurse practitioner	284	2.3	2,663	7.2	12	3.7
Other allied health professional	492	4.1	2,461	6.6	22	6.9
Other dental professional	81	0.7	1,340	3.6	2	0.6
Other non-clinical professional	1,064	8.8	2,923	7.9	43	13.4
Other public health professional	984	8.1	2,985	8.1	38	11.8
Pharmacist	1,192	9.8	1,862	5.0	3	0.9
Physician	3,489	28.7	3,668	9.9	12	3.7
Physician assistant	334	2.7	852	2.3	2	0.6
Practice administrator or leader	178	1.5	645	1.7	5	1.6
Social worker	1,092	9.0	4,882	13.2	61	19.0
Substance abuse professional	222	1.8	669	1.8	8	2.5
Total	12,146	—	37,056	—	321	—

Notes: Data shown for each profession/discipline are not mutually exclusive; participants may have reported multiple professions/disciplines. Subtotals represent the number of unique participants within each gender that reported at least one profession/discipline.

Table 5b. RWHAP AIDS Education and Training Centers (AETC) Program participants by gender and profession/discipline, July 2018–June 2019—United States and 3 territories

Profession/discipline	Male		Female		Transgender	
	No.	%	No.	%	No.	%
Clergy/faith-based professional	56	0.5	57	0.2	4	1.2
Community health worker	914	7.8	2,071	5.6	116	34.7
Dentist	873	7.4	974	2.6	2	0.6
Dietitian/nutritionist	14	0.1	161	0.4	0	0.0
Mental/behavioral health professional	390	3.3	1,367	3.7	15	4.5
Midwife	4	<0.1	77	0.2	0	0.0
Nurse/advanced practice nurse (non-prescriber)	667	5.7	7,637	20.5	18	5.4
Nurse practitioner	265	2.3	2,620	7.0	8	2.4
Other allied health professional	535	4.5	2,469	6.6	9	2.7
Other dental professional	75	0.6	1,038	2.8	1	0.3
Other non-clinical professional	980	8.3	3,034	8.1	46	13.8
Other public health professional	1,066	9.1	3,438	9.2	36	10.8
Pharmacist	991	8.4	1,998	5.4	3	0.9
Physician	3,268	27.8	3,509	9.4	9	2.7
Physician assistant	374	3.2	1,046	2.8	1	0.3
Practice administrator or leader	157	1.3	570	1.5	3	0.9
Social worker	1,185	10.1	5,347	14.3	78	23.4
Substance abuse professional	298	2.5	675	1.8	4	1.2
Total	11,767	—	37,294	—	334	—

Notes: Data shown for each profession/discipline are not mutually exclusive; participants may have reported multiple professions/disciplines. Subtotals represent the number of unique participants within each gender that reported at least one profession/discipline.

Table 6. RWHAP AIDS Education and Training Center (AETC) Program participants by year and selected service delivery characteristics, July 2014–June 2019—United States and 3 territories

	July 2014– August 2015		September 2015– June 2016		July 2016– June 2017		July 2017– June 2018		July 2018– June 2019	
	No.	%	No.	%	No.	%	No.	%	No.	%
All clients served										
Provides direct service to clients										
Yes	59,704	76.9	36,820	74.8	—	—	37,299	74.3	36,343	70.6
No	17,911	23.1	12,432	25.2	—	—	12,906	25.7	15,126	29.4
Subtotal	77,615	100.0	49,252	100.0	—	—	50,205	100.0	51,469	100.0
Provides HIV prevention counseling and testing services										
Yes	—	—	—	—	—	—	22,260	56.9	22,015	54.6
No	—	—	—	—	—	—	16,862	43.1	18,305	45.4
Subtotal	—	—	—	—	—	—	39,122	100.0	40,320	100.0
Prescribes pre-exposure prophylaxis (PrEP)										
Yes	—	—	—	—	—	—	7,834	20.5	8,172	20.7
No	—	—	—	—	—	—	30,386	79.5	31,380	79.3
Subtotal	—	—	—	—	—	—	38,220	100.0	39,552	100.0
Percentage of all clients who are racial/ethnic minorities										
None per year	1,999	3.5	448	1.3	—	—	—	—	—	—
1–24% per year	10,215	17.7	5,701	16.1	—	—	—	—	—	—
25–49% per year	12,289	21.2	7,785	21.9	—	—	—	—	—	—
50–74% per year	16,033	27.7	10,193	28.7	—	—	—	—	—	—
≥ 75% per year	17,315	29.9	11,361	32.0	—	—	—	—	—	—
Subtotal	57,851	100.0	35,488	100.0	—	—	—	—	—	—
Clients with HIV										
Provides direct service to people with HIV										
Yes	42,875	73.6	26,858	72.2	—	—	23,232	60.1	23,037	58.2
No	15,415	26.4	10,353	27.8	—	—	15,421	39.9	16,568	41.8
Subtotal	58,290	100.0	37,211	100.0	—	—	38,653	100.0	39,605	100.0
Years of service directly to people with HIV										
≤ 1	7,504	18.0	4,740	18.2	—	—	4,256	19.9	5,061	23.5
2–4	8,801	21.2	5,953	22.8	—	—	4,945	23.2	5,120	23.8
5–9	8,061	19.4	4,873	18.7	—	—	3,906	18.3	3,741	17.4
10–19	10,044	24.1	5,998	23.0	—	—	4,644	21.7	4,298	20.0
≥ 20	7,201	17.3	4,535	17.4	—	—	3,604	16.9	3,293	15.3
Subtotal	41,611	100.0	26,099	100.0	—	—	21,355	100.0	21,513	100.0
Estimated number of clients with HIV per month										
None per month	1,658	4.0	1,114	4.3	—	—	—	—	—	—
1–9 per month	17,865	42.9	10,514	40.2	—	—	—	—	—	—
10–19 per month	6,195	14.9	3,931	15.0	—	—	—	—	—	—
20–49 per month	7,903	19.0	5,264	20.1	—	—	—	—	—	—
≥ 50 per month	8,002	19.2	5,353	20.4	—	—	—	—	—	—
Subtotal	41,623	100.0	26,176	100.0	—	—	—	—	—	—
Estimated number of clients with HIV per year										
None per year	—	—	—	—	—	—	600	3.1	1,240	6.2
1–9 per year	—	—	—	—	—	—	4,772	24.4	4,573	22.8
10–19 per year	—	—	—	—	—	—	2,337	12.0	2,172	10.8
20–49 per year	—	—	—	—	—	—	3,306	16.9	3,326	16.6
≥ 50 per year	—	—	—	—	—	—	8,530	43.6	8,753	43.6
Subtotal	—	—	—	—	—	—	19,545	100.0	20,064	100.0
Percentage of clients with HIV who are racial/ethnic minorities										
None per year	1,525	3.7	685	2.7	—	—	1,318	6.2	1,635	7.7
1–24% per year	9,586	23.5	5,664	22.8	—	—	4,991	23.4	4,578	21.4
25–49% per year	7,631	18.7	4,607	18.5	—	—	3,750	17.6	3,651	17.1
50–74% per year	10,610	26.0	6,516	26.2	—	—	5,357	25.1	5,580	26.1
≥ 75% per year	11,428	28.0	7,410	29.8	—	—	5,894	27.7	5,920	27.7
Subtotal	40,780	100.0	24,882	100.0	—	—	21,310	100.0	21,364	100.0
Percentage of clients with HIV who are women										
None per year	5,603	13.9	3,084	12.5	—	—	—	—	—	—
1–24% per year	16,341	40.4	9,931	40.2	—	—	—	—	—	—
25–49% per year	11,894	29.4	7,800	31.5	—	—	—	—	—	—
50–74% per year	4,716	11.7	2,966	12.0	—	—	—	—	—	—
≥ 75% per year	1,866	4.6	954	3.9	—	—	—	—	—	—
Subtotal	40,419	100.0	24,735	100.0	—	—	—	—	—	—

Table 6. RWHPA AIDS Education and Training Center (AETC) Program participants by year and selected service delivery characteristics, July 2014–June 2019—United States and 3 territories (cont.)

	July 2014– August 2015		September 2015– June 2016		July 2016– June 2017		July 2017– June 2018		July 2018– June 2019	
	No.	%	No.	%	No.	%	No.	%	No.	%
Percentage of clients with HIV who are receiving antiretroviral therapy										
None per year	1,535	3.8	634	2.6	—	—	1,165	5.5	1,550	7.3
1–24% per year	7,428	18.4	4,011	16.3	—	—	3,330	15.8	3,024	14.3
25–49% per year	4,377	10.9	2,363	9.6	—	—	1,520	7.2	1,432	6.7
50–74% per year	8,512	21.1	4,908	20.0	—	—	2,992	14.2	2,834	13.4
≥ 75% per year	18,494	45.8	12,668	51.5	—	—	12,080	57.3	12,359	58.3
Subtotal	40,346	100.0	24,584	100.0	—	—	21,087	100.0	21,199	100.0
Percentage of clients with HIV who have hepatitis C co-infection										
None per year	6,421	16.1	2,755	11.4	—	—	—	—	—	—
1–24% per year	19,974	50.0	13,280	55.0	—	—	—	—	—	—
25–49% per year	8,883	22.2	5,516	22.9	—	—	—	—	—	—
50–74% per year	3,119	7.8	1,787	7.4	—	—	—	—	—	—
≥ 75% per year	1,571	3.9	801	3.3	—	—	—	—	—	—
Subtotal	39,967	100.0	24,138	100.0	—	—	—	—	—	—
Percentage of clients with HIV who have hepatitis B or hepatitis C co-infection										
None per year	—	—	—	—	—	—	2,762	13.2	3,178	15.1
1–24% per year	—	—	—	—	—	—	10,856	51.9	10,607	50.4
25–49% per year	—	—	—	—	—	—	4,817	23.0	4,940	23.5
50–74% per year	—	—	—	—	—	—	1,809	8.6	1,776	8.4
≥ 75% per year	—	—	—	—	—	—	673	3.2	528	2.5
Subtotal	—	—	—	—	—	—	20,917	100.0	21,029	100.0

Note: Percentages are rounded and may not sum to 100.0% as displayed.

Table 7a. RWHPA AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and service delivery to people with HIV, July 2017–June 2018—United States and 3 territories

	American Indian/ Alaska Native		Asian		Black/ African American		Hispanic/Latino ^a		Native Hawaiian/ Pacific Islander		White		Multiple races	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Years of service directly to people with HIV														
≤ 1	47	22.0	328	24.7	834	18.8	735	21.8	14	20.6	2,080	19.5	128	19.2
2–4	52	24.3	357	26.8	1,010	22.8	810	24.0	14	20.6	2,383	22.4	166	24.9
5–9	51	23.8	221	16.6	849	19.1	649	19.2	17	25.0	1,874	17.6	135	20.2
10–19	37	17.3	266	20.0	1,139	25.7	740	21.9	17	25.0	2,165	20.3	141	21.1
> 20	27	12.6	158	11.9	602	13.6	440	13.1	6	8.8	2,147	20.2	97	14.6
Subtotal	214	100.0	1,330	100.0	4,434	100.0	3,374	100.0	68	100.0	10,649	100.0	667	100.0
Percentage of clients with HIV who are racial/ethnic minorities														
None per year	10	5.0	74	5.5	144	3.2	200	5.8	6	9.1	803	7.7	39	5.8
1–24% per year	59	29.6	382	28.2	774	17.2	683	19.7	15	22.7	2,808	26.9	133	19.9
25–49% per year	29	14.6	281	20.7	619	13.8	552	15.9	15	22.7	2,036	19.5	102	15.3
50–74% per year	33	16.6	321	23.7	1,206	26.8	880	25.4	14	21.2	2,593	24.8	155	23.2
> 75% per year	68	34.2	299	22.0	1,758	39.1	1,156	33.3	16	24.2	2,210	21.1	239	35.8
Subtotal	199	100.0	1,357	100.0	4,501	100.0	3,471	100.0	66	100.0	10,450	100.0	668	100.0

Note: Percentages are rounded and may not sum to 100.0% as displayed.

^a Hispanics/Latinos can be of any race.

Table 7b. RWHPA AIDS Education and Training Centers (AETC) Program participants by race/ethnicity and service delivery to people with HIV, July 2018–June 2019—United States and 3 territories

	American Indian/ Alaska Native		Asian		Black/ African American		Hispanic/Latino ^a		Native Hawaiian/ Pacific Islander		White		Multiple races	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Years of service directly to people with HIV														
≤ 1	69	28.8	363	27.3	1,068	22.8	902	26.2	18	28.1	2,360	22.5	164	22.2
2–4	56	23.3	378	28.4	1,024	21.8	863	25.0	19	29.7	2,455	23.5	201	27.2
5–9	50	20.8	223	16.8	873	18.6	620	18.0	8	12.5	1,754	16.8	120	16.3
10–19	43	17.9	229	17.2	1,107	24.0	672	19.5	13	20.3	1,955	18.7	164	22.2
> 20	22	9.2	136	10.2	619	13.2	389	11.3	6	9.4	1,943	18.6	89	12.1
Subtotal	240	100.0	1,329	100.0	4,691	100.0	3,446	100.0	64	100.0	10,467	100.0	738	100.0
Percentage of clients with HIV who are racial/ethnic minorities														
None per year	18	7.8	141	10.5	233	5.0	215	6.1	3	4.5	933	9.1	57	7.6
1–24% per year	69	29.9	334	24.9	819	17.5	593	16.9	17	25.4	2,520	24.5	129	17.1
25–49% per year	34	14.7	267	19.9	611	13.1	569	16.2	15	22.4	1,956	19.0	117	15.5
50–74% per year	33	14.3	308	23.0	1,228	26.3	906	25.8	14	20.9	2,759	26.8	181	24.0
> 75% per year	77	33.3	291	21.7	1,787	38.2	1,226	34.9	18	26.9	2,116	20.6	269	35.7
Subtotal	231	100.0	1,341	100.0	4,678	100.0	3,509	100.0	67	100.0	10,284	100.0	753	100.0

Note: Percentages are rounded and may not sum to 100.0% as displayed.

^a Hispanics/Latinos can be of any race.

Table 8. RWHP AIDS Education and Training Centers (AETC) Program participants by year and employment setting, July 2014–June 2019—United States and 3 territories

	July 2014– August 2015		September 2015– June 2016		July 2016– June 2017		July 2017– June 2018		July 2018– June 2019	
	No.	%	No.	%	No.	%	No.	%	No.	%
Employment setting										
Academic health center	6,436	8.3	4,400	8.9	—	—	7,341	14.9	8,425	16.8
College/university/health professions school	3,129	4.0	2,139	4.3	—	—	—	—	—	—
Correctional facility	4,854	6.3	2,692	5.5	—	—	2,194	4.5	1,761	3.5
Emergency department	6,597	8.5	3,524	7.1	—	—	1,290	2.6	1,044	2.1
Family planning clinic	460	0.6	375	0.8	—	—	1,607	3.3	1,436	2.9
Federally qualified health center	10,775	13.9	7,204	14.6	—	—	6,615	13.4	6,730	13.4
HIV clinic	7,118	9.2	4,837	9.8	—	—	—	—	—	—
HIV or infectious diseases clinic	—	—	—	—	—	—	7,576	15.4	8,222	16.4
HMO/managed care organization	846	1.1	593	1.2	—	—	772	1.6	803	1.6
Hospital-based clinic	4,622	6.0	2,529	5.1	—	—	4,705	9.6	4,529	9.0
Indian Health Services/tribal clinic	1,116	1.4	798	1.6	—	—	762	1.5	611	1.2
Infectious disease clinic	1,320	1.7	1,011	2.0	—	—	—	—	—	—
Long-term nursing facility	879	1.1	342	0.7	—	—	463	0.9	439	0.9
Maternal/child health clinic	237	0.3	112	0.2	—	—	964	2.0	907	1.8
Mental health clinic	1,216	1.6	742	1.5	—	—	1,829	3.7	1,912	3.8
Military or veteran's health facility	570	0.7	303	0.6	—	—	433	0.9	412	0.8
Non-health	1,367	1.8	926	1.9	—	—	—	—	—	—
Not working	2,353	3.0	2,111	4.3	—	—	2,746	5.6	3,144	6.3
Other community-based organization	6,396	8.2	4,015	8.1	—	—	6,145	12.5	6,547	13.0
Other federal health facility	—	—	—	—	—	—	554	1.1	515	1.0
Other primary care setting	2,036	2.6	1,224	2.5	—	—	3,389	6.9	3,411	6.8
Pharmacy	2,225	2.9	1,210	2.5	—	—	2,759	5.6	2,693	5.4
Private practice	3,776	4.9	1,953	4.0	—	—	2,166	4.4	1,897	3.8
Rural health clinic	606	0.8	306	0.6	—	—	—	—	—	—
State or local health department	6,452	8.3	4,647	9.4	—	—	5,570	11.3	5,632	11.2
STD clinic	612	0.8	465	0.9	—	—	3,112	6.3	3,426	6.8
Student health clinic	—	—	—	—	—	—	941	1.9	1,095	2.2
Substance abuse treatment center	1,589	2.0	868	1.8	—	—	1,958	4.0	1,958	3.9
Subtotal	77,588	100.0	49,325	100.0	—	—	49,232	100.0	50,175	100.0
Rural and suburban/urban employment settings										
Rural settings only	14,477	19.7	9,496	20.4	—	—	4,787	10.9	4,015	9.0
Both rural and suburban/urban settings ^a	—	—	—	—	—	—	1,242	2.8	1,101	2.5
Suburban/urban settings only	58,921	80.3	37,014	79.6	—	—	38,061	86.3	39,350	88.5
Subtotal	73,398	100.0	46,511	100.0	—	—	44,090	100.0	44,466	100.0
Faith-based organization										
Yes	4,143	5.8	2,759	6.1	—	—	—	—	—	—
No/do not know	67,798	94.2	42,322	93.9	—	—	—	—	—	—
Subtotal	71,941	100.0	45,081	100.0	—	—	—	—	—	—
Organizations that received Ryan White funding										
Yes	31,686	52.3	21,341	53.4	—	—	20,973	42.2	23,211	43.3
No	28,906	47.7	18,659	46.6	—	—	16,476	33.1	15,192	28.4
Don't know/not sure	—	—	—	—	—	—	12,257	24.7	15,173	28.3
Subtotal	60,593	100.0	40,000	100.0	—	—	49,706	100.0	53,576	100.0

Abbreviations: HMO, health maintenance organization; STD, sexually transmitted disease.

Notes: Participant data unavailable for July 2016–June 2017.

Participants reporting for July 2014–August 2015 and September 2015–June 2016 selected one primary employment setting; percentages for these years are rounded and may not sum to 100.0% as displayed.

Participants reporting for July 2017–June 2018 and July 2018–June 2019 selected all employment settings that apply. Data for these years are not mutually exclusive; numbers may not sum to the subtotal, and percentages may not sum to 100.0%. The subtotal for employment setting is the number of unique participants who selected at least one employment setting category.

^a Participants who reported more than one employment setting and reported both rural and suburban/urban settings.