

AIDS Education and Training Centers (AETC) Annual Data Report

2015

Reporting Years:

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Data are presented for training events and trainees reported by AETC grant recipients from July 2010 through August 2015.

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

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

Information about the AETC National Coordinating Resource Center: aidsetc.org

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CONTENTS

Commentary	4
Technical Notes	7
Tables	
Table 1. Number of AIDS Education and Training Center (AETC) training events and trainees, 2010–2015—United States and 3 territories	8
Table 2. Number of AIDS Education and Training Center (AETC) training events topics, target populations, additional funding sources, partnering organizations, and modalities by year, 2010–2015—United States and 3 territories	8
Table 3. Number of AIDS Education and Training Center (AETC) trainees by year and selected characteristics, 2010–2015—United States and 3 territories	11
Table 4. Number of AIDS Education and Training Center (AETC) trainees by profession/discipline and by race/ethnicity, 2015—United States and 3 territories	12
Table 5. Number of AIDS Education and Training Center (AETC) trainees by profession/discipline and by gender, 2015—United States and 3 territories	12
Table 6. Number of AIDS Education and Training Center (AETC) trainees by year and by selected service delivery characteristics, 2010–2015—United States and 3 territories	13
Table 7. Number of AIDS Education and Training Center (AETC) trainees by year who serve people living with HIV (PLWH) and by selected service delivery characteristics, 2010–2015—United States and 3 territories	14
Table 8. Number of AIDS Education and Training Center (AETC) trainees by years of service directly to people living with HIV (PLWH) and by race/ethnicity, 2015—United States and 3 territories	15
Table 9. Number of AIDS Education and Training Center (AETC) trainees by primary employment setting and by year, 2010–2015—United States and 3 territories	15

COMMENTARY

As a cornerstone 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), the AIDS Education and Training Centers (AETC) Program is based in the Office of HIV Training and Capacity Development (OTCD) within the HIV/AIDS Bureau (HAB) of the Health Resources and Services Administration (HRSA) and consists of three distinct programs:

1. **AIDS Education and Training Centers:** Consist of eleven regional Centers, which are charged with increasing the knowledge and skills of providers and organizations to provide current, culturally appropriate HIV care across the United States. By doing so, the Regional AETC programs expand and increase overall access to and quality of HIV care across the United States.
2. **National Centers:** Consist of three Centers, which provide expert consultative services, serve as a repository for AETC training activities, and evaluate the AETC program.
3. **Nurse Practitioner/Physician Assistant training programs:** Include five training programs, which prepare nurse practitioners and physician assistants to diagnose, treat, and manage the medical care for people living with HIV (PLWH).

The AETC Program aligns with national goals to end the HIV epidemic. The eleven Regional AETC Programs aim 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 front-line workforce to improve the provision of care and increase sustained viral suppression for PLWH.

The AETC Program increases patient access to quality health care delivered by providers who are trained to counsel, diagnose, treat, and medically manage PLWH. Additionally, the AETC program builds the capacity of minority providers and minority-serving health professionals, both overall and through the Minority AIDS Initiative.¹

The primary target audiences for training conducted by the Regional AETCs include health care providers who care for PLWH and for people who are at high risk for HIV, as well as novice and low-volume HIV treatment providers. Trainings target traditional prescribers (e.g., physicians, physician assistants and nurse practitioners) as well as other health professionals (e.g., dentists, psychiatrists, and pharmacists). Other target audiences include allied health professionals (e.g., medical case managers and social workers) who work as members of an interdisciplinary team to improve health outcomes and well-being among PLWH.

In order to strengthen the HIV workforce, the Regional AETCs offer trainings on a variety of topics, including but not limited to: basic science and epidemiology, interpretation of complex 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 to ensure that health care professionals have access to trainings in many forms to meet their needs. The types of training interactions include didactic presentations, clinical training, group clinical consultations, individual clinical consultations, skills building, technical assistance, and any combination of these interactions.

The data in this report summarize the activities and work of the HRSA HAB AETC Regional programs from July 2010 through August 2015.

¹ The Minority AIDS Initiative (MAI) provides funding to strengthen organizational capacity and expand HIV-related services to address the disproportionate impact of HIV/AIDS on racial and ethnic minority populations.

HIGHLIGHTS OF ANALYSES

Unless otherwise specified, the highlights presented here are the averages across the five-year period from 2010 through 2015. Readers are encouraged to review all table titles and footnotes carefully to ensure a complete understanding of the displayed data.

Training Events

From 2010 through 2015, AETCs conducted a total of 74,097 training events with approximately 14,500 training events per year, reaching an average of over 83,000 unique trainees each year (range: 79,176–85,471) [Table 1].

Training Event Topics, Modalities, and Target Populations

Training Event Topics

The most frequently presented topics in AETC-sponsored training events from 2010 through 2015 were antiretroviral treatment (presented in more than 50% of training events) and medication adherence (presented in 38% of training events). Other frequently presented topics include co-morbidities (presented in nearly 33% of training events), clinical manifestations of HIV disease and HIV routine lab tests (each presented in 30% of training events) [Table 2]. These training topics are not mutually exclusive; AETC training events typically include more than one topic.

Target Populations

Training topics often focused on specific demographic subgroups, including racial and ethnic minorities (27%), women (22%), and gay, lesbian, bisexual, and transgender populations (18%) [Table 2].

Training Modalities

Training modalities or technologies used most frequently during the training events included chart and/or case reviews (40%), followed by lectures/workshops (33%) and conference calls/telephone (22%) [Table 2].

AETC Trainees

To improve 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 PLWH, especially those who serve racial and ethnic minority patients and those working at Ryan White HIV/AIDS Program-supported facilities.

The majority of AETC trainees self-identified as white (55%), 20% as black/African American, and 13% as Hispanic/Latino. Nearly three-quarters of AETC trainees were female, while 25% of trainees were male and 0.3% of trainees were transgender [Table 3]. Nurses and advanced practice nurses accounted for 30% of AETC trainees, while physicians accounted for 17% of AETC trainees. Other non-clinical professionals accounted for 11% of AETC trainees. Support service providers—including dietitians/nutritionists, health educators, mental/behavioral health professionals, social workers, substance abuse professionals, community health workers, clergy/faith-based professionals, and other public health or non-clinical professionals—accounted for 40% of all AETC trainees. Trainees reported primary functional roles within their organization. The most commonly reported roles were care provider/clinicians (40%) and case managers (12%) [Table 3]. In 2015, nurses accounted for the highest percentage of trainees for all racial/ethnic populations except for Asians, whose highest percentage of trainees were physicians (41%) [Table 4]. In 2015, the highest percentages of profession by gender were as follows: among males, 31% were physicians; among females, 29% were nurses; and among transgender individuals, 22% were social workers [Table 5].

Service Delivery of AETC Trainees

Regional AETC programs train and support clinicians and health care professionals who provide direct care and services to patients. During the 2010–2015 period, the majority of trainees (78%) provided direct clinical services, and their patient populations were comprised of more than 50% racial/ethnic minorities [Table 6].

Service Delivery to People Living with HIV

Approximately 70% of AETC trainees provided direct services to PLWH. Most AETC trainees treated 1 to 9 PLWH per month (40%), while 15% treated 10 to 19 PLWH, 18% treated 20 to 49 PLWH, and 16% treated 50 or more PLWH.

Approximately half of AETC trainees had a PLWH patient population comprising at least 50% racial/ethnic minorities. The majority of trainees (88%) reported that less than 50% of their PLWH patients had hepatitis C co-infection. Seventy-five percent of PLWH served by the AETC trainees were receiving antiretroviral therapy. Eighty-five percent of trainees reported that less than 50% of their PLWH patients were women [Table 7].

In 2015, the number of years clinicians had provided direct care to PLWH varied slightly by race/ethnicity of trainees. American Indian/Alaskan Native trainees had the lowest number of years of experience directly treating PLWH, with 40% having less than a year of prior experience. White trainees reported the most prior experience treating PLWH, with 13% reporting more than 20 years of direct service provision to this population [Table 8].

Employment Setting of Trainees

The primary employment setting for most of the AETC trainees was in a suburban/urban area (77%). Approximately 6% of trainees reported working in a faith-based organization. Overall, approximately half of AETC trainees worked in a Ryan White HIV/AIDS Program-supported employment setting [Table 9].

TECHNICAL NOTES

Each year, HAB collects data from AETC grant recipients about the training events sponsored and the trainees who participated in 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 trainees in attendance, and the total number of Participant Information Forms (PIFs) collected from participating trainees.

Information collected on trainees includes demographic information (e.g., profession, functional role, race/ethnicity, and gender). In addition, information on trainees' employment settings is collected (i.e., if the setting is in a rural or suburban/urban area, if the setting is a faith-based organization, if the setting receives Ryan White HIV/AIDS Program funding, and the ZIP code of the setting). Patient care information is also collected from trainees (i.e., if they provide services directly to PLWH; how many years of experience they have providing such services; the average number of PLWH they see per month; and estimated percentage of their clients who are racial/ethnic minorities, are co-infected with hepatitis C, are receiving antiretroviral therapy, or are women).

Data are submitted to HAB each year and contain information on all activities that occurred during a specific timeframe. Between 2010 and 2014, the data collected spans July 1 of the previous year through June 30 of the current year. The 2015 reporting year includes event and participant information that spans July 1, 2014, through August 31, 2015. This data reporting period aligns with AETC grant recipients' budget year.

After data were collected at the end of each reporting period, HAB cleaned the data to ensure data validity. AETC trainees were then linked across all the events in which they participated. In cases where information was not collected from a trainee (i.e., resulting in missing data), HAB applied a weighted imputation technique to accurately estimate the true number of trainees. All tables in this report that include counts of trainees include these imputed counts. After all data processing was complete, the final data were used in reporting and analysis.

Table 1. Number of AIDS Education and Training Center (AETC) training events and trainees, 2010–2015—United States and 3 territories

Year	Events	Trainees
July 2010–June 2011	15,887	85,314
July 2011–June 2012	14,390	84,575
July 2012–June 2013	14,702	85,471
July 2013–June 2014	14,809	81,736
July 2014–August 2015	14,309	79,176
Total	74,097	—

Table 2. Number of AIDS Education and Training Center (AETC) training events topics, target populations, additional funding sources, partnering organizations, and modalities by year, 2010–2015—United States and 3 territories

	July 2010–June 2011		July 2011–June 2012		July 2012–June 2013		July 2013–June 2014		July 2014–August 2015	
	No.	% of training events	No.	% of training events						
Most frequently presented training topics										
Antiretroviral treatment	8,154	51.3	7,238	50.3	8,231	56.0	7,523	50.8	7,265	50.8
Medication adherence	5,485	34.5	5,345	37.1	6,266	42.6	5,724	38.7	5,344	37.3
Co-morbidities	5,247	33.0	4,744	33.0	5,279	35.9	4,840	32.7	4,516	31.6
HIV routine lab test	4,731	29.8	4,492	31.2	5,065	34.4	4,237	28.6	4,137	28.9
Clinical manifestations of HIV disease	5,299	33.4	4,882	33.9	5,134	34.9	4,135	27.9	3,980	27.8
Routine primary care screenings	3,446	21.7	4,047	28.1	4,423	30.1	3,877	26.2	3,588	25.1
Non-ART treatment	4,025	25.3	3,247	22.6	3,992	27.2	3,222	21.8	2,858	20.0
Opportunistic infections	4,596	28.9	3,856	26.8	4,559	31.0	3,853	26.0	3,395	23.7
Basic science/epidemiology	3,317	20.9	3,305	23.0	3,612	24.6	3,483	23.5	3,289	23.0
Hepatitis A, B, C	3,572	22.5	3,467	24.1	4,113	28.0	3,884	26.2	3,278	22.9
Resistance/genotype-phenotype interpretation	3,171	20.0	3,026	21.0	3,653	24.8	3,256	22.0	2,922	20.4
Pre/post-exposure prophylaxis (occupational and non-occupational)	2,369	14.9	1,888	13.1	2,124	14.4	2,279	15.4	2,754	19.2
Reproductive health	1,778	11.2	1,888	13.1	2,501	17.0	1,998	13.5	1,574	11.0
Pediatric HIV management/perinatal transmission	1,605	10.1	1,365	9.5	1,421	9.7	1,382	9.3	1,166	8.1
Nutrition	1,825	11.5	1,788	12.4	2,319	15.8	1,531	10.3	1,076	7.5
Oral health	1,666	10.5	1,436	10.0	1,834	12.5	1,357	9.2	1,078	7.5
Health care organization and delivery issues										
Agency needs assessment	972	6.1	1,062	7.4	1,337	9.1	1,652	11.2	1,187	8.3
Community linkages	2,470	15.5	2,828	19.7	3,363	22.9	3,122	21.1	2,766	19.3
Cultural competence	1,601	10.1	1,769	12.3	1,988	13.5	1,959	13.2	2,135	14.9
Education development/delivery	1,887	11.9	2,353	16.4	2,702	18.4	2,406	16.2	1,923	13.4
Grant issues	593	3.7	629	4.4	505	3.4	542	3.7	464	3.2
Health literacy	721	4.5	886	6.2	1,163	7.9	1,220	8.2	1,064	7.4
Healthcare development/clinical service coordination	1,470	9.3	1,908	13.3	2,164	14.7	2,151	14.5	1,971	13.8
Health organization and finances	448	2.8	412	2.9	407	2.8	631	4.3	423	3.0
HIPAA/confidentiality	1,211	7.6	1,249	8.7	1,447	9.8	1,349	9.1	1,050	7.3
Quality improvement	2,413	15.2	2,377	16.5	2,925	19.9	2,394	16.2	2,290	16.0
Resource allocation	1,132	7.1	1,115	7.7	1,297	8.8	1,232	8.3	932	6.5
Technology	772	4.9	680	4.7	608	4.1	795	5.4	689	4.8
Risk assessment	3,340	21.0	3,336	23.2	3,419	23.3	3,489	23.6	3,438	24.0
Risk reduction/harm reduction	3,654	23.0	4,028	28.0	4,489	30.5	4,019	27.1	3,795	26.5
Routine HIV testing	3,853	24.3	3,957	27.5	3,969	27.0	3,843	26.0	3,383	23.6

Table 2. Number of AIDS Education and Training Center (AETC) training events topics, target populations, additional funding sources, partnering organizations, and modalities by year, 2010–2015—United States and 3 territories (cont.)

	July 2010–June 2011		July 2011–June 2012		July 2012–June 2013		July 2013–June 2014		July 2014–August 2015	
	No.	% of training events	No.	% of training events						
Psychosocial issues										
Mental health	3,145	19.8	3,073	21.4	3,399	23.1	3,328	22.5	3,110	21.7
Substance abuse	3,075	19.4	2,989	20.8	3,399	23.1	3,179	21.5	2,751	19.2
Target populations										
Adolescent (Ages 13–24)	1,870	11.8	2,287	15.9	2,196	14.9	1,915	12.9	1,872	13.1
Children (Birth–12)	1,113	7.0	1,064	7.4	1,215	8.3	895	6.0	648	4.5
Gay/lesbian/bisexual/transgender	2,593	16.3	3,214	22.3	2,600	17.7	2,794	18.9	2,954	20.6
Homeless/with unstable housing	1,635	10.3	1,801	12.5	1,695	11.5	1,594	10.8	1,617	11.3
Immigrant/border populations	1,300	8.2	1,333	9.3	1,359	9.2	1,246	8.4	1,268	8.9
Incarcerated individuals	1,760	11.1	1,897	13.2	1,952	13.3	1,805	12.2	1,523	10.6
People over 50 years of age	2,443	15.4	2,776	19.3	2,421	16.5	2,354	15.9	2,308	16.1
Racial/ethnic minorities	3,977	25.0	4,421	30.7	4,197	28.5	3,811	25.7	3,752	26.2
Rural populations	2,306	14.5	2,133	14.8	2,000	13.6	1,729	11.7	2,174	15.2
Women	3,281	20.7	3,440	23.9	3,474	23.6	3,065	20.7	3,049	21.3
Other populations	408	2.6	298	2.1	237	1.6	402	2.7	415	2.9
Subtotal	15,887	100.0	14,390	100.0	14,702	100.0	14,809	100.0	14,309	100.0
Most frequent additional funding sources										
American Indian/Alaska Native	266	1.7	260	1.8	288	2.0	217	1.5	137	1.0
Border Health Initiative	779	4.9	129	0.9	113	0.8	79	0.5	58	0.4
Minority AIDS Initiative (MAI)	6,682	42.1	4,745	33.0	4,939	33.6	4,964	33.5	4,646	32.5
None of the above	7,660	48.2	9,278	64.5	9,394	63.9	9,569	64.6	9,426	65.9
Subtotal	15,887	100.0	14,390	100.0	14,702	100.0	14,809	100.0	14,309	100.0
Other organizations that helped with this event										
None	9,112	57.4	8,319	57.8	7,712	52.5	8,656	58.5	8,986	62.8
Other AETCs	461	2.9	485	3.4	502	3.4	723	4.9	553	3.9
Delta	21	0.1	6	< 0.1	10	0.1	4	< 0.1	3	< 0.1
Florida/Caribbean	10	0.1	8	0.1	36	0.2	41	0.3	34	0.2
Midwest	47	0.3	33	0.2	21	0.1	44	0.3	68	0.5
Mountain Plains	16	0.1	20	0.1	17	0.1	20	0.1	17	0.1
New England	86	0.5	50	0.3	48	0.3	90	0.6	64	0.4
New York/New Jersey	3	< 0.1	7	< 0.1	13	0.1	11	0.1	4	< 0.1
Northwest	11	0.1	10	0.1	4	< 0.1	1	< 0.1	5	< 0.1
Pacific	35	0.2	44	0.3	26	0.2	23	0.2	4	< 0.1
Pennsylvania/Mid-Atlantic	50	0.3	44	0.3	39	0.3	100	0.7	63	0.4
Southeast	17	0.1	16	0.1	16	0.1	29	0.2	19	0.1
Texas/Oklahoma	44	0.3	79	0.5	130	0.9	147	1.0	69	0.5
National Clinician Consultation Center (NCCC)	3	< 0.1	16	0.1	14	0.1	12	0.1	5	< 0.1
National Multi-Cultural Center	6	< 0.1	7	< 0.1	8	0.1	—	—	—	—
National Resource Center (NRC)	25	0.2	43	0.3	57	0.4	34	0.2	9	0.1
National Evaluation Center (NEC)	10	0.1	14	0.1	12	0.1	6	< 0.1	—	—
Capacity Building Assistance for Community Health Centers	130	0.8	172	1.2	101	0.7	181	1.2	204	1.4

Table 2. Number of AIDS Education and Training Center (AETC) training events topics, target populations, additional funding sources, partnering organizations, and modalities by year, 2010–2015—United States and 3 territories (cont.)

	July 2010–June 2011		July 2011–June 2012		July 2012–June 2013		July 2013–June 2014		July 2014–August 2015	
	No.	% of training events	No.	% of training events						
Other training centers	297	1.9	287	2.0	467	3.2	399	2.7	293	2.0
Addiction Technology Transfer Center (ATTC)	39	0.2	36	0.3	39	0.3	39	0.3	37	0.3
Area Health Education Center (AHEC)	90	0.6	90	0.6	310	2.1	276	1.9	179	1.3
Prevention Training Center (PTC)	87	0.5	72	0.5	88	0.6	86	0.6	80	0.6
Regional Training Center (RTC)	92	0.6	132	0.9	43	0.3	26	0.2	17	0.1
TB Training Center	32	0.2	22	0.2	21	0.1	27	0.2	17	0.1
Other agencies	5,697	35.9	5,445	37.8	5,575	37.9	5,350	36.1	4,801	33.6
AIDS community-based organizations	580	3.7	560	3.9	634	4.3	659	4.4	607	4.2
College/university/health professions school	1,429	9.0	1,307	9.1	1,192	8.1	1,237	8.4	1,272	8.9
Faith-based organization	92	0.6	111	0.8	97	0.7	153	1.0	112	0.8
Community health center	1,035	6.5	1,238	8.6	1,475	10.0	1,541	10.4	1,343	9.4
Historically black college or university/Hispanic serving institution/tribal college or university	65	0.4	82	0.6	98	0.7	124	0.8	139	1.0
Hospital/hospital-based clinic	1,980	12.5	1,578	11.0	1,881	12.8	1,878	12.7	1,767	12.3
Agencies funded by Ryan White Program	2,432	15.3	2,350	16.3	2,210	15.0	2,364	16.0	2,354	16.5
Tribal health organizations	144	0.9	239	1.7	155	1.1	127	0.9	83	0.6
Corrections	597	3.8	853	5.9	849	5.8	560	3.8	269	1.9
Subtotal: all three collaborative organizations	15,887	100.0	14,390	100.0	14,702	100.0	14,809	100.0	14,309	100.0
Training modalities or technologies applied in the event										
Chart/case review	6,360	40.0	5,688	39.5	6,511	44.3	5,934	40.1	5,722	40.0
Clinical preceptorship/mini-residency	1,950	12.3	1,963	13.6	1,820	12.4	1,844	12.5	1,951	13.6
Computer-based	1,895	11.9	2,005	13.9	2,360	16.1	2,325	15.7	2,072	14.5
Conference call/telephone	3,515	22.1	3,143	21.8	3,000	20.4	3,277	22.1	3,262	22.8
Lecture/workshop	4,804	30.2	4,823	33.5	4,790	32.6	4,922	33.2	5,175	36.2
Role play/simulation	699	4.4	756	5.3	674	4.6	604	4.1	798	5.6
Self-study	214	1.3	191	1.3	292	2.0	496	3.3	434	3.0
Telemedicine	578	3.6	553	3.8	752	5.1	708	4.8	416	2.9
Webcast/webinar	194	1.2	387	2.7	517	3.5	818	5.5	915	6.4
Subtotal	15,887	—	14,390	—	14,702	—	14,809	—	14,309	—

Note: Training topics are not mutually exclusive; AETC training events typically include more than one topic.

Table 3. Number of AIDS Education and Training Center (AETC) trainees by year and selected characteristics, 2010–2015—United States and 3 territories

	July 2010–June 2011		July 2011–June 2012		July 2012–June 2013		July 2013–June 2014		July 2014–August 2015	
	No.	%	No.	%	No.	%	No.	%	No.	%
Race/ethnicity										
American Indian/Alaska Native	1,413	1.7	1,448	1.8	1,438	1.7	1,225	1.6	1,277	1.7
Asian	6,109	7.5	6,221	7.6	6,057	7.3	5,795	7.3	5,401	7.0
Black/African American	15,325	18.8	15,614	19.2	16,565	20.1	15,365	19.4	14,842	19.3
Hispanic/Latino ^a	10,542	12.9	10,637	13.1	10,918	13.2	10,555	13.3	10,626	13.8
Native Hawaiian/Pacific Islander	535	0.7	629	0.8	525	0.6	501	0.6	313	0.4
Multiple races	1,600	2.0	1,748	2.1	1,912	2.3	1,842	2.3	3,132	4.1
White	46,191	56.5	45,231	55.5	45,221	54.7	43,844	55.4	41,525	53.9
Subtotal	81,715	100.0	81,526	100.0	82,636	100.0	79,126	100.0	77,116	100.0
Gender										
Male	22,129	26.7	21,389	26.1	21,358	25.6	21,229	26.6	20,608	26.6
Female	60,701	73.1	60,417	73.7	61,782	74.1	58,353	73.1	56,657	73.1
Transgender	168	0.2	220	0.3	231	0.3	237	0.3	278	0.4
Subtotal	82,998	100.0	82,026	100.0	83,371	100.0	79,819	100.0	77,542	100.0
Professional discipline										
Dentist	3,198	3.8	2,679	3.2	2,481	2.9	2,573	3.2	2,309	2.9
Other dental professional	3,527	4.2	3,164	3.8	3,572	4.2	2,860	3.5	3,098	4.0
Advanced practice nurse	4,645	5.5	4,864	5.8	4,814	5.7	4,530	5.6	4,717	6.0
Nurse	22,342	26.5	20,748	24.9	21,477	25.4	21,633	26.7	18,008	22.9
Pharmacist	5,187	6.2	5,335	6.4	5,466	6.5	5,529	6.8	5,711	7.3
Physician	14,640	17.4	14,127	17.0	13,696	16.2	13,401	16.5	12,455	15.9
Physician assistant	2,550	3.0	2,644	3.2	2,361	2.8	2,598	3.2	2,174	2.8
Clergy/faith-based professional	238	0.3	233	0.3	188	0.2	167	0.2	154	0.2
Dietitian/nutritionist	435	0.5	451	0.5	495	0.6	350	0.4	374	0.5
Health educator	2,895	3.4	3,045	3.7	3,180	3.8	2,870	3.5	3,070	3.9
Mental/behavioral health professional	2,265	2.7	2,418	2.9	2,460	2.9	2,157	2.7	2,245	2.9
Other public health professional	3,531	4.2	3,784	4.5	4,081	4.8	4,232	5.2	4,807	6.1
Social worker	6,667	7.9	7,004	8.4	7,641	9.0	6,485	8.0	7,146	9.1
Substance abuse professional	1,507	1.8	1,415	1.7	1,380	1.6	1,014	1.3	1,131	1.4
Community health worker	1,672	2.0	1,974	2.4	2,265	2.7	2,044	2.5	2,607	3.3
Other non-clinical professional	9,021	10.7	9,421	11.3	9,112	10.8	8,596	10.6	8,491	10.8
Subtotal	84,322	100.0	83,307	100.0	84,669	100.0	81,040	100.0	78,497	100.0
Role in their organization										
Administrator	6,289	7.6	6,561	8.0	7,081	8.5	6,634	8.3	6,522	8.4
Agency board member	125	0.2	128	0.2	131	0.2	122	0.2	103	0.1
Care provider/clinician	36,521	44.0	33,276	40.5	33,860	40.5	32,148	40.1	29,945	38.6
Case manager	9,109	11.0	9,578	11.7	10,182	12.2	9,311	11.6	10,135	13.1
Client/patient educator	4,102	5.0	4,179	5.1	4,636	5.5	4,200	5.2	4,306	5.5
Clinical/medical assistant	3,174	3.8	3,629	4.4	3,813	4.6	3,598	4.5	3,513	4.5
Intern/resident	2,730	3.3	2,817	3.4	2,702	3.2	2,886	3.6	3,106	4.0
Researcher/evaluator	1,756	2.1	1,931	2.4	1,810	2.2	1,818	2.3	1,826	2.4
Student/graduate student	5,183	6.3	5,810	7.1	5,169	6.2	5,508	6.9	4,900	6.3
Teacher/faculty	2,620	3.2	2,662	3.2	2,705	3.2	2,659	3.3	2,595	3.3
Other	11,329	13.7	11,619	14.1	11,620	13.9	11,295	14.1	10,708	13.8
Subtotal	82,938	100.0	82,190	100.0	83,709	100.0	80,179	100.0	77,658	100.0

^a Hispanics/Latinos can be of any race.

Table 4. Number of AIDS Education and Training Center (AETC) trainees by profession/discipline and by race/ethnicity, 2015—United States and 3 territories

Profession	White		Black/African American		Hispanic/Latino ^a		Asian		American Indian/ Alaska Native		Native Hawaiian/ Pacific Islander		Multiple races	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Dentist	1,245	3.0	281	1.9	219	2.1	401	7.4	16	1.2	6	2.1	83	2.7
Other dental professional	2,110	5.1	266	1.8	419	4.0	91	1.7	59	4.7	9	2.9	76	2.5
Advanced practice nurse	3,080	7.4	828	5.6	253	2.4	169	3.1	35	2.8	17	5.4	244	7.9
Nurse	10,606	25.6	3,244	22.1	1,854	17.6	756	14.0	331	26.1	83	26.6	829	26.9
Pharmacist	3,986	9.6	464	3.2	282	2.7	684	12.7	31	2.4	19	6.2	115	3.7
Physician	6,612	16.0	1,378	9.4	1,257	11.9	2,225	41.3	50	4.0	39	12.5	412	13.4
Physician assistant	1,482	3.6	253	1.7	186	1.8	98	1.8	35	2.8	6	2.1	65	2.1
Clergy/faith-based professional	38	0.1	83	0.6	22	0.2	1	0.0	3	0.2	0	0.0	4	0.1
Dietitian/nutritionist	219	0.5	58	0.4	49	0.5	19	0.4	4	0.3	1	0.4	14	0.5
Health educator	975	2.4	922	6.3	802	7.6	71	1.3	94	7.4	10	3.3	144	4.7
Mental/behavioral health professional	1,087	2.6	480	3.3	383	3.6	93	1.7	53	4.2	12	3.7	100	3.2
Other public health professional	2,073	5.0	1,309	8.9	824	7.8	199	3.7	81	6.4	13	4.2	217	7.1
Social worker	3,406	8.2	1,853	12.6	1,183	11.2	167	3.1	66	5.2	19	6.2	331	10.7
Substance abuse professional	384	0.9	396	2.7	211	2.0	6	0.1	41	3.3	3	0.8	69	2.2
Community health worker	600	1.5	934	6.4	687	6.5	48	0.9	118	9.3	5	1.7	164	5.3
Other non-clinical professional	3,501	8.5	1,964	13.4	1,903	18.1	357	6.6	252	19.9	69	22.0	216	7.0
Total	41,404	100.0	14,712	100.0	10,533	100.0	5,387	100.0	1,270	100.0	312	100.0	3,083	100.0

Note: Numbers displayed in this table represent unique trainees; trainees are linked across training events within a particular year.

^a Hispanics/Latinos can be of any race.

Table 5. Number of AIDS Education and Training Center (AETC) trainees by profession/discipline and by gender, 2015—United States and 3 territories

Profession	Male		Female		Transgender	
	No.	%	No.	%	No.	%
Dentist	1,285	6.3	978	1.7	0	0.0
Other dental professional	136	0.7	2,912	5.2	4	1.4
Advanced practice nurse	473	2.3	4,154	7.4	13	4.7
Nurse	1,645	8.0	16,066	28.5	30	10.9
Pharmacist	2,387	11.6	3,236	5.8	10	3.8
Physician	6,272	30.5	5,840	10.4	6	2.4
Physician assistant	654	3.2	1,474	2.6	1	0.5
Clergy/faith-based professional	58	0.3	93	0.2	1	0.5
Dietitian/nutritionist	32	0.2	337	0.6	0	0.0
Health educator	1,011	4.9	1,968	3.5	40	14.7
Mental/behavioral health professional	609	3.0	1,598	2.8	6	2.4
Other public health professional	1,230	6.0	3,489	6.2	22	8.1
Social worker	1,418	6.9	5,577	9.9	59	21.8
Substance abuse professional	365	1.8	751	1.3	1	0.5
Community health worker	786	3.8	1,746	3.1	34	12.3
Other non-clinical professional	2,176	10.6	6,112	10.9	44	16.1
Total	20,538	100.0	56,331	100.0	273	100.0

Note: Numbers displayed in this table represent unique trainees; trainees are linked across training events within a particular year.

Table 6. Number of AIDS Education and Training Center (AETC) trainees by year and by selected service delivery characteristics, 2010–2015—United States and 3 territories

	July 2010–June 2011		July 2011–June 2012		July 2012–June 2013		July 2013–June 2014		July 2014–August 2015	
	No.	%	No.	%	No.	%	No.	%	No.	%
Provide direct service to clients										
Yes	66,066	78.9	64,842	78.0	66,406	78.7	62,182	76.9	59,704	76.9
No	17,707	21.1	18,257	22.0	17,975	21.3	18,652	23.1	17,911	23.1
Subtotal	83,773	100.0	83,099	100.0	84,381	100.0	80,834	100.0	77,615	100.0
Percentage of minority clients served										
None per year	3,892	6.6	1,385	2.3	3,856	5.9	6,478	10.1	1,999	3.5
1–24% per year	12,643	21.3	12,525	20.7	12,206	18.7	10,970	17.0	10,215	17.7
25–49% per year	12,252	20.6	13,167	21.8	13,440	20.6	13,305	20.6	12,289	21.2
50–74% per year	14,433	24.3	15,691	26.0	17,241	26.4	16,181	25.1	16,033	27.7
≥ 75% per year	16,177	27.2	17,610	29.2	18,536	28.4	17,543	27.2	17,315	29.9
Subtotal	59,397	100.0	60,377	100.0	65,277	100.0	64,477	100.0	57,851	100.0

Table 7. Number of AIDS Education and Training Center (AETC) trainees by year who serve people living with HIV (PLWH) and by selected service delivery characteristics, 2010–2015—United States and 3 territories

	July 2010–June 2011		July 2011–June 2012		July 2012–June 2013		July 2013–June 2014		July 2014–August 2015	
	No.	%	No.	%	No.	%	No.	%	No.	%
Provide direct service to PLWH										
Yes	46,705	69.5	46,375	72.6	48,513	71.0	44,590	69.6	42,875	73.6
No	20,475	30.5	17,537	27.4	19,846	29.0	19,486	30.4	15,415	26.5
Subtotal	67,180	100.0	63,912	100.0	68,359	100.0	64,076	100.0	58,290	100.0
Years of service directly to PLWH										
<1	11,071	22.9	6,794	15.1	13,855	26.0	12,552	25.7	13,725	28.5
2–4	10,227	21.1	9,801	21.7	10,123	19.0	9,487	19.4	8,907	18.5
5–9	8,368	17.3	8,833	19.6	9,169	17.2	8,283	17.0	8,150	16.9
10–19	11,623	24.0	11,905	26.4	11,780	22.1	10,755	22.0	10,129	21.0
≥ 20	7,103	14.7	7,764	17.2	8,308	15.6	7,716	15.8	7,291	15.1
Subtotal	48,392	100.0	45,097	100.0	53,234	100.0	48,793	100.0	48,203	100.0
Estimated number of PLWH clients per month										
None per month	2,005	4.4	1,905	4.2	2,148	4.5	2,422	5.5	2,689	6.3
1–9 per month	20,149	44.5	19,376	42.8	19,374	40.9	18,858	42.7	17,865	41.9
10–19 per month	6,360	14.1	6,682	14.8	7,014	14.8	6,516	14.8	6,195	14.5
20–49 per month	8,322	18.4	8,501	18.8	9,350	19.8	7,877	17.8	7,903	18.5
≥ 50 per month	8,411	18.6	8,828	19.5	9,447	20.0	8,479	19.2	8,002	18.8
Subtotal	45,247	100.0	45,292	100.0	47,333	100.0	44,154	100.0	42,655	100.0
Percentage of PLWH clients who are racial/ethnic minorities										
None per year	2,460	5.6	2,383	5.4	2,028	4.4	2,063	4.8	2,548	6.1
1–24% per year	11,451	26.0	11,192	25.4	10,968	23.9	9,912	23.3	9,586	22.9
25–49% per year	7,848	17.8	7,886	17.9	8,527	18.6	8,154	19.2	7,631	18.3
50–74% per year	10,398	23.6	10,733	24.3	12,062	26.3	10,881	25.6	10,610	25.4
≥ 75% per year	11,906	27.0	11,955	27.1	12,304	26.8	11,580	27.2	11,428	27.3
Subtotal	44,063	100.0	44,149	100.0	45,889	100.0	42,589	100.0	41,803	100.0
Percentage of PLWH clients who are co-infected with hepatitis C										
None per year	5,446	14.3	5,066	12.4	5,332	12.4	6,997	16.9	7,444	18.2
1–24% per year	19,259	50.6	21,044	51.5	22,022	51.4	20,716	49.9	19,974	48.7
25–49% per year	8,957	23.5	10,019	24.5	10,397	24.3	9,500	22.9	8,883	21.7
50–74% per year	3,467	9.1	3,748	9.2	4,142	9.7	3,430	8.3	3,119	7.6
≥ 75% per year	971	2.6	998	2.4	989	2.3	889	2.1	1,571	3.8
Subtotal	38,100	100.0	40,874	100.0	42,881	100.0	41,533	100.0	40,990	100.0
Percentage of PLWH clients who are receiving antiretroviral therapy										
None per year	2,336	5.4	2,259	5.2	2,066	4.6	2,002	4.8	2,558	6.2
1–24% per year	9,092	21.0	8,629	19.9	8,577	18.9	7,847	18.6	7,428	18.0
25–49% per year	5,437	12.6	5,122	11.8	5,185	11.4	4,765	11.3	4,377	10.6
50–74% per year	11,533	26.6	11,367	26.2	10,934	24.1	9,554	22.7	8,512	20.6
≥ 75% per year	14,940	34.5	16,067	37.0	18,573	41.0	17,953	42.6	18,494	44.7
Subtotal	43,338	100.0	43,444	100.0	45,336	100.0	42,120	100.0	41,368	100.0
Percentage of PLWH clients who are women										
None per year	7,230	16.6	6,817	15.6	6,689	14.7	7,090	16.8	6,625	16.0
1–24% per year	16,612	38.2	16,461	37.7	17,390	38.2	16,024	37.9	16,341	39.4
25–49% per year	12,052	27.7	12,690	29.1	13,526	29.7	12,345	29.2	11,894	28.7
50–74% per year	5,032	11.6	5,452	12.5	5,689	12.5	4,840	11.5	4,716	11.4
≥ 75% per year	2,545	5.9	2,256	5.2	2,293	5.0	1,966	4.7	1,866	4.5
Subtotal	43,471	100.0	43,676	100.0	45,588	100.0	42,266	100.0	41,442	100.0
Total	346,384	—	345,631	—	364,642	—	342,290	—	334,076	—

Table 8. Number of AIDS Education and Training Center (AETC) trainees by years of service directly to people living with HIV (PLWH) and by race/ethnicity, 2015—United States and 3 territories

	White		Black/African American		Hispanic/Latino ^a		Asian		Native Hawaiian/Pacific Islander		American Indian/Alaska Native		Multiple races	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Years of service directly to PLWH														
< 1	6,994	29.5	2,662	29.0	2,109	30.9	912	30.3	38	24.5	239	43.6	477	27.7
2–4	4,469	18.8	1,659	18.1	1,409	20.6	723	24.0	30	19.4	92	16.8	411	23.9
5–9	3,960	16.7	1,808	19.7	1,288	18.8	552	18.4	38	24.5	87	15.8	318	18.5
10–19	5,019	21.2	2,291	25.0	1,541	22.5	618	20.5	39	25.4	93	17.0	374	21.7
≥ 20	3,266	13.8	753	8.2	487	7.1	203	6.7	9	5.9	38	6.8	141	8.2
Subtotal	23,708	100	9,173	100	6,835	100	3,008	100	153	100	548	100	1,721	100
Percentage of PLWH who are racial/ethnic minorities														
None per year	1,545	7.2	340	4.0	270	4.4	128	4.6	9	5.8	42	10.6	72	4.5
1–24% per year	5,736	26.6	1,452	17.1	1,033	16.9	767	27.6	22	14.2	138	34.6	318	19.8
25–49% per year	4,279	19.9	1,261	14.9	1,080	17.7	552	19.8	14	9.2	58	14.6	256	15.9
50–74% per year	5,579	25.9	2,103	24.8	1,546	25.3	667	23.9	35	22.5	57	14.3	475	29.5
≥ 75% per year	4,416	20.5	3,337	39.3	2,185	35.7	671	24.1	75	48.3	103	26.0	487	30.3
Subtotal	21,556	100	8,494	100	6,115	100	2,785	100	155	100	398	100	1,608	100

Note: Numbers displayed in this table represent unique trainees; trainees are linked across training events within a particular year.

Table 9. Number of AIDS Education and Training Center (AETC) trainees by primary employment setting and by year, 2010–2015—United States and 3 territories

	July 2010–June 2011		July 2011–June 2012		July 2012–June 2013		July 2013–June 2014		July 2014–August 2015	
	No.	%	No.	%	No.	%	No.	%	No.	%
Rural vs. suburban/urban										
Rural	17,498	22.5	17,436	22.7	17,225	21.7	16,773	22.1	14,477	19.7
Suburban/urban	60,362	77.5	59,258	77.3	62,065	78.3	59,006	77.9	58,921	80.3
Subtotal	77,860	100.0	76,694	100.0	79,290	100.0	75,779	100.0	73,398	100.0
Faith-based organization										
Yes	4,881	6.3	5,254	6.9	4,711	6.1	4,269	5.8	4,143	5.8
No/do not know	72,316	93.7	70,991	93.1	73,062	93.9	69,668	94.2	67,798	94.2
Subtotal	77,197	100.0	76,245	100.0	77,773	100.0	73,937	100.0	71,941	100.0
Organizations that received Ryan White funding										
Yes	31,403	47.6	31,664	49.4	34,196	51.3	31,921	50.3	31,686	52.3
No	34,601	52.4	32,372	50.6	32,416	48.7	31,501	49.7	28,906	47.7
Subtotal	66,004	100.0	64,036	100.0	66,612	100.0	63,423	100.0	60,593	100.0