



CAATE

Commission on Accreditation
of Athletic Training Education

2022 CAATE

Accreditation Conference

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Standards 17 & 18: Adequate Defined A Quality Assurance Presentation

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Disclosures

We are on the review committee and those experiences have informed the ideas we are presenting today but are not meant to be interpreted as finite.

Please maintain institutional autonomy - not one size fits all

This not an advertisement for any tracking program.

Objectives

- Establish criteria demonstrating “adequate” client/patient interactions are occurring in clinical education to prepare students for contemporary clinical practice.
- Cultivate clinical education experiences that ensure every student gains "adequate" clinical practice opportunities with varied patient populations and health conditions.
- Identify strategies to track and monitor evidence of “adequate” clinical education experiences that align with the larger programmatic framework.

Standard 17

A program's clinical education component includes clinical practice opportunities with varied client/patient populations. Populations must include clients/patients

- throughout the lifespan...,
- of different sexes,
- with different socioeconomic statuses,
- of varying levels of activity and athletic ability...

*Students must have **adequate** real client/patient interactions (athletic training clinical experiences) to prepare them for contemporary clinical practice with a variety of patient populations.*

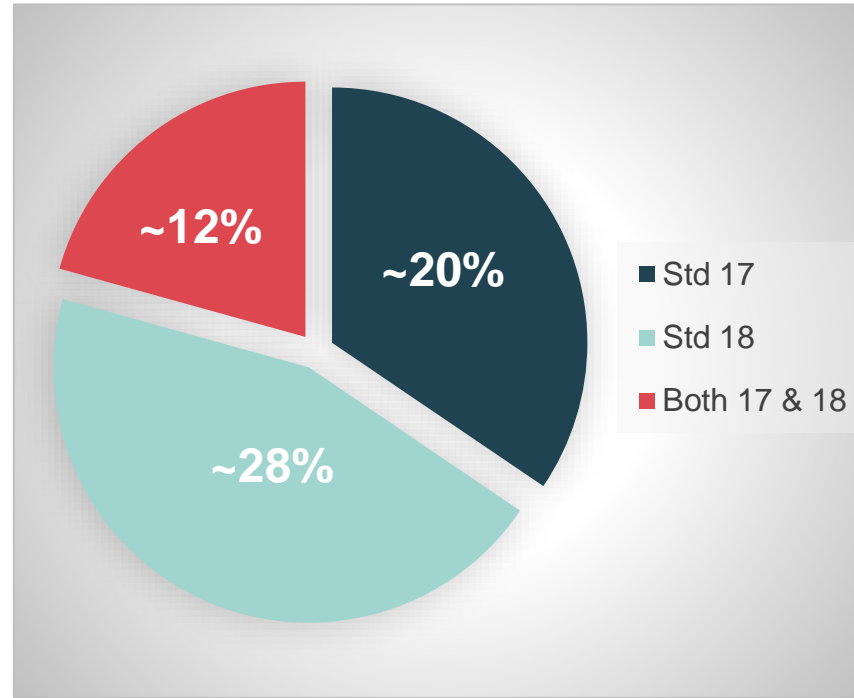
Standard 18

Students gain experience with patients with a variety of health conditions commonly seen in athletic training practice.

...opportunities to engage with patients with emergent, behavioral (mental health), musculoskeletal, neurological, endocrine, dermatological, cardiovascular, respiratory, gastrointestinal, genitourinary, otolaryngological, ophthalmological, dental, and environmental conditions.

Students must have adequate patient/client interactions (athletic training clinical experiences) to prepare them for contemporary clinical practice with patients with a variety of health conditions commonly seen in athletic training practice.

2020-2022 Comprehensive Reviews (n=60)





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How do you define adequate?

adequate adjective



Save Word

ad·e·quate | \ 'a-di-kwət  \

Definition of *adequate*

1 : sufficient for a specific need or requirement

// *adequate* time

// an amount of money *adequate* to supply their needs

also : good enough : of a quality that is good or acceptable

// a machine that does an *adequate* job

: of a quality that is acceptable but not better than acceptable

// Her first performance was merely *adequate*.

<https://www.merriam-webster.com/dictionary/adequate>



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How Does Your Program Define Adequate?

What does your framework reflect?

program design includes adequacy

goals and outcomes

measures for quality clinical education

assessment plan

→ designed by you/your program

How Does Your Program Define Adequate?

Criteria - single vs. multiple exposures

#17:

lifespan = pediatric, adult, elderly
sexes
socioeconomic status
activity and ability = competitive
and recreational, individual and
team activities, high- and low-
intensity

#18

emergent
behavioral (mental health)
musculoskeletal
neuro., endocrine, derm.
cardiovascular, respiratory
gastrointestinal, genitourinary
otolaryngological
ophthalmological, dental
environmental conditions

How Does Your Program Define Adequate?

Patient Encounters

- know what students are counting
- +90% of exposures at univ/college or secondary school
- only 3% are non-ortho cases

How Does Your Program Define Adequate?

Peer programs - what are others around you doing?

Healthcare and Health Science programs at your institution



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Where is the evidence lacking?

PR Rationale for Standard 17

Program Example #1

- Based on a review of the materials and feedback from faculty, preceptors, and students, it was determined that not all professional phase students complete athletic training clinical experiences at sites where they would have adequate client/patient interactions (athletic training clinical experiences) to prepare them for contemporary clinical practice with a variety of patient populations. Specifically, not all students attend sites where they have adequate exposure to patient populations throughout the lifespan and patient populations who participate in non-sport activities.

PR Rationale for Standard 17

Program Example #1

❖ **Problem:** All students not exposed

➤ **Solution:** Locate sites or develop simulations to standardize exposure

❖ **Problem:** Lack of evidence for lifespan and non-sport

➤ **Solution:** Enhance tracking, educate student and preceptor

PR Rationale for Standard 17

Program Example #2

- The program provides clinical education opportunities at multiple clinical sites, three of which were identified by the program as providing students with clinical practice opportunities with patients across the lifespan and with patients who participate in non-sports activities. During the onsite visit, it was determined that these **clinical practice opportunities are primarily observation-based experiences, and therefore do not include adequate opportunities for real or simulated patient/client interactions.** The program did not provide evidence that students have gained adequate experiences with clients/patients throughout the **lifespan nor patients who participate in non-sport activities.**

PR Rationale for Standard 17

Program Example #2

- ❖ **Problem:** have sites with lifespan and non-sport but observation only
- **Solution:** locate clinical education sites that encourage/allow hands-on, student engagement, preceptor education, consider simulation

PR Rationale for Standard 18

Program Example #3

- While the program has implemented a plan to track student engagement with patients with a variety of health conditions commonly seen in athletic training practice including simulation experiences, the program is **unable to provide evidence** that ensures every student will gain these clinical experiences with patients/clients having a variety of health conditions that prepares students for contemporary clinical practice.

PR Rationale for Standard 18 NC

Program Example #3

❖ **Problem:** have tracking but lack completion

➤ **Solution:** develop system that can be tracked, educate student and preceptor, include simulation



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What methods do you use to track patient populations and health conditions?

Provide the clinical education plan in reverse chronological order for each student.

Student Name

Graduation Date

5/14/2022

Clinical Site	Course Associated with Experience	Dates of Clinical Experience(s)	Frequency	Experience Type/Description (check all that apply)					Type of Clinical Education			Preceptor and Credential (Provide preceptor name and credentials)
				throughout the lifespan	different sexes	different socioeconomic statuses	varying levels of activity and athletic ability	nonsport activities	Athletic Training Clinical Experience	Simulation	Supplemental Clinical Experience	
		11/22/21-12/10/21	Five to six times a week	✖	✖	✖	✖	✖	✖			
		11/1/21-11/19/21	Five to six times a week	✖	✖	✖	✖	✖	✖			
		10/18/21-10/29/21	Five to six times a week	✖	✖	✖	✖	✖	✖			
		3/8/21-3/21/21	Five to six times a week	✖					✖			
		2/22/21-3/21/21	Five to six times a week	✖								
		1/5/21-1/29/21	Five to six times a week	✖	✖	✖	✖	✖	✖			
		9/14/20-10/4/20	Five to six times a week	✖	✖	✖	✖	✖	✖			
		8/24/20-9/13/20	Five to six times a week			✖	✖		✖			



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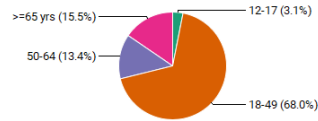
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Evidence for Standards 17 & 18

Age

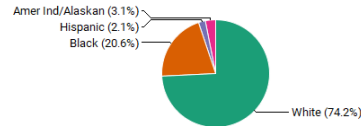
MAIN CATEGORIES	COUNT	HOURS
<2 yrs:	0	0.0
2-4 yrs:	0	0.0
5-11 yrs:	0	0.0
12-17 yrs:	3	0.8
18-49 yrs:	66	18.5
50-64 yrs:	13	3.4
>=65 yrs:	15	3.3
Unmarked:	0	0.0

GERIATRICS	COUNT	HOURS
65-74 yrs:	11	2.6
75-84 yrs:	4	0.7
85-89 yrs:	0	0.0
>=90 yrs:	0	0.0



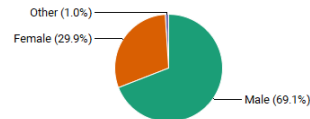
Race

White Non-Hispanic:	72
Black:	20
Hispanic:	2
Asian:	0
Amer Indian/Alaskan:	3
Hawaiian/Pacific Isl:	0
Other Race:	0
Unmarked:	0



Biological Sex

Male:	67
Female:	29
Other:	1
Unmarked:	0













Sport

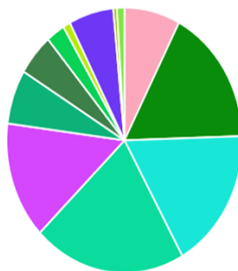
Baseball:	6
Cheerleading:	0
Cross Country:	3
Football:	2
Golf:	1
Lacrosse:	0
Men's Basketball:	34
Men's Soccer:	0
Non-sport:	46
Softball:	2
Tennis:	0
Track and Field:	1
Volleyball:	1
Women's Basketball:	0
Women's Soccer:	1
Wrestling:	0
Unmarked:	0











Health Condition

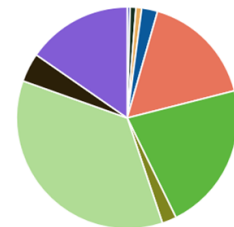
Behavioral Health:	2
Cardiovascular:	7
Dental:	0
Dermatological:	8
Emergent:	3
Endocrine:	4
Environmental:	0
Gastrointestinal:	4
Genitourinary:	0
Musculoskeletal:	33
Neurological:	3
Ophthalmological:	0
Otolaryngological:	3
Respiratory:	0
Unmarked:	30

Evidence for Standards 17 & 18

Patient Age ↕	Count ↕	Key
6-12 Years Old	15	
13-18 Years Old	33	
18-25 Years Old	34	
26-34 Years Old	41	
35-44 Years Old	28	
45-54 Years Old	13	
55-64 Years Old	10	
65-74 Years Old	5	
75+ Years Old	2	
1-5 Years Old	12	



Diagnoses ↕	Count ↕	Key
Certain Conditions Originating In The Perinatal Pe	2	
Complications Of Pregnancy, Childbirth, And The Pu	4	
Congenital Anomalies	4	
Diseases Of The Blood And Blood-Forming Organs	11	
Diseases Of The Circulatory System	79	
Diseases Of The Digestive System	103	
Diseases Of The Genitourinary System	10	
Diseases Of The Musculoskeletal System And Connect	169	
Diseases Of The Nervous System And Sense Organs	20	
Diseases Of The Respiratory System	73	



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Evidence for Standard 18

Name	Type	Date & Time In	Date & Time Out	Total Clinical	Patient Contacts	Site	Location	Event	Activity Type
	C	08/17/2020 07:00 AM	08/17/2020 11:15 AM	4:15	4				
	C	08/18/2020 12:45 PM	08/18/2020 05:15 PM	4:30	1				
	C	08/20/2020 07:00 AM	08/20/2020 01:00 PM	6:00	9				Lower Extremity General Medical
	C	08/20/2020 01:00 PM	08/20/2020 03:30 PM	2:30	3				
	C	08/20/2020 05:00 PM	08/20/2020 08:45 PM	3:45	5			Football	Equipment Intensive
	C	08/21/2020 07:00 AM	08/21/2020 11:30 AM	4:30	6				Othropedics
	C	08/21/2020 01:30 PM	08/21/2020 06:00 PM	4:30	5				Lower Extremity General Medical
	C	08/24/2020 08:15 AM	08/24/2020 12:00 PM	3:45	15				Lower Extremity General Medical
	C	08/24/2020 01:00 PM	08/24/2020 05:15 PM	4:15	8				Lower Extremity General Medical
	C	08/25/2020 08:15 AM	08/25/2020 12:00 PM	3:45	18				Lower Extremity General Medical
	C	08/25/2020 01:00 PM	08/25/2020 05:00 PM	4:00	15				Lower Extremity General Medical
	C	08/26/2020 08:15 AM	08/26/2020 12:15 PM	4:00	14				Lower Extremity General Medical
	C	08/26/2020 01:00 PM	08/26/2020 05:00 PM	4:00	20				Lower Extremity General Medical
	C	08/27/2020 08:15 AM	08/27/2020 04:45 PM	8:30	25				Lower Extremity General Medical
	C	08/27/2020 07:30 PM	08/28/2020 10:15 AM	14:45	5			Football	Equipment Intensive
	C	08/28/2020 06:30 PM	08/28/2020 10:00 PM	3:30	5			Football	Equipment Intensive
	C	08/29/2020 08:00 AM	08/29/2020 10:15 AM	2:15	6			Orthopedic	Othropedics
	C	08/31/2020 08:00 AM	08/31/2020 05:00 PM	9:00	18			Rehabilitative	Othropedics



Other Thoughts on Collecting Evidence

Paper tracking

Qualtrics, Survey Monkey, Google Forms,
Excel

*What do other healthcare programs on
your campus use?



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How can you develop meaningful clinical experiences?

Meaningful Clinical Experiences - Positive Clinical Sites

Evaluate site thoroughly before sending student

Orient student to requirements adequately

Consider variety of settings - physician practice, performing arts, rehabilitation clinic, industrial

Move beyond accreditation minimums and convenience

Meaningful Clinical Experiences - Engaged Preceptors

Define patient population

Actively promote student involvement

Maintain open communication, timely feedback

Educate about tracking policy and procedure

Meaningful Simulation Opportunities

OSCE

High fidelity

Low fidelity

References

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Benedict JE, Neil ER, Dougal ZJ, Walker SE, Eberman LE. Clinical education coordinators' selection and deselection criteria of clinical education experiences. *Athl Train Educ J.* 2022;17(1):117-128.

O'Brien M. Development of clinical sites. *Aana journal.* 2015;83(1):17-20.

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Questions?

THANK YOU

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