



University of Colorado
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Bystander Automated External Defibrillator (AED) Program

Fire & Life Safety

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The University of Colorado Anschutz Campus Fire & Life Safety Team, under the direction of the Vice Chancellor for Facilities Management and Campus Fire Marshal, has responsibility for coordination of the Anschutz campus bystander AED program. This program meets all requirements of the Colorado state law and Good Samaritan civil protection statutes, as linked throughout this document.

Everyone regularly on campus is encouraged to read this document in its entirety to fully understand the program, locations of AEDs, regulatory oversight, and Colorado immunity from liability provisions.



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Background

According to the [US Centers for Disease Control and Prevention \(CDC\)](#), more than 356,000 out-of-hospital cardiac arrests (OHCAs) are reported annually in the United States with an estimated 70% to 90% of people dying before reaching the hospital. Cardiopulmonary resuscitation (CPR) and use of an AED within minutes of OHCAs can dramatically raise survival rates.

Colorado state law, [CRS § 25-53-102](#), encourages public schools to “place functional AEDs in sufficient quantities to ensure reasonable availability for use during perceived sudden cardiac arrest emergencies.” The University of Colorado Anschutz is committed to promoting campus health and safety by expanding AED access in public areas where bystanders can assist in emergencies.

AED Overview

An Automated External Defibrillator (AED) is a compact and portable, battery-operated device used to automatically deliver measured electrical shocks to re-establish the heart’s normal rhythm.

An AED is designed to analyze cardiac rhythm and inform the operator whether a shock is required. Electrode pads on the victim transmit information to the device for both monitoring and shock therapy. Once activated, AEDs have voice, text, and/or pictures which will guide the user through a few simple steps. The AED will not electrically shock the victim unless the unit’s pre-programmed computer indicates that a shock is necessary—at which time, a voice prompt will warn bystanders to not touch the patient during the shock phase.

Anschutz Bystander Program

This program only addresses bystander available AEDs in public areas. These consist of all AEDs found in the lobbies of each building on the Anschutz campus. These do not include AEDs in clinic locations, department AEDs, hospitals, or anywhere else not listed on the [University of Colorado Anschutz Police Department website](#) or in [Table 1: Bystander AED Location](#).



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Fire & Life Safety Team's Responsibilities

According to Colorado Law, [CRS § 13-21-108.1-3A](#), the University of Colorado Anschutz Fire & Life Safety Team will:

1. Maintain and test defibrillators according to the manufacturer's operational guidelines and maintain records of it.
2. Maintain physician oversight over the program and forward inspection reports.
3. Ensure that when an AED is used, it activates the EMS system as soon as possible via alarmed cabinets.
4. Ensure that when an AED is used, the steps outlined in [After an AED is used](#) are completed.
5. Notify the correct entities about bystander AEDs on campus.

Installation and Standard Placement

Visibility and signage: AEDs must be wall-mounted in well-marked locations, with clear directional signage, visible from common corridors and public areas.

Proximity to high-traffic areas: Preferred placement includes near building entrances, lobbies, elevators, stairwells, and large gathering areas.

[Americans with Disabilities Act \(ADA\)](#) compliance: AED cabinets must be installed with the center of the handle at no more than 48 inches above the finished floor, as required by the ADA.

Inspection and Maintenance

AED units are inspected weekly and monthly per manufacturer operational guidelines. Reports of inspections will be kept with the Fire & Life Safety Team. Inspections will ensure that the AED is fully charged, operational, and associated equipment (such as defibrillation pads, wiring, first aid kits, etc.) are undamaged and ready for use. Any national standards software updates or recalls will be the responsibility of the Fire & Life Safety Team.

Monthly AED status reports will be forwarded to the University of Colorado Anschutz Fire Marshal and Medical Director assigned to the program for review and quality assurance purposes.

After an AED is Used

After an AED is used, Fire & Life Safety, once notified of event, will:

1. Secure the AED.



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2. Download and preserve event data.
3. Notify the medical director.
4. Restock pads, battery, and response kit.
5. Return the AED to service as quickly as possible.
6. Document the event.
7. Conduct an after-action review.

Medical Director's Responsibilities

The current Medical Director for the Anschutz Bystander AED Program is Dr. Daniel Besesen (DANIEL.BESSESEN@CUANSCHUTZ.EDU).

According to Colorado Law, [CRS § 13-21-108.1-3A](#), the Medical Director must:

1. Review and approve written program plans and protocols.
2. Review monthly reports.
3. Review every AED activation.
4. Improve upon clinical quality.

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The University of Colorado Anschutz Police Department will:

1. Respond to on-campus AED cabinet activations.
2. Respond to calls about on-campus AED utilization.
3. Maintain the AED list on their website.
4. Notify Fire & Life Safety of an AED cabinet activation, utilization, and response.

AED Models

At the time of last update, there are two AED models used on the University of Colorado Anschutz campus for the bystander AED program—the [HeartSine® Samaritan® PAD](#) and the [Zoll AED 3®](#). In addition to the actual AED, each cabinet holds a small pack containing gloves, mouth-shield, scissors, razor, gauze pad, and a red biohazard disposal bag.

All Heartsine® Samaritan® PAD units can be used on people 8 years old and older, with a select few located within M20-Barbara Davis Center that can be used on children under the



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age of 8. For children under the age of 8, the PadPak® must be switched to the pink, pediatric PadPak® located within the cabinet.

All Zoll AED 3® models have the ability to be used on both adults and children with the push of a button.

Table 1: Bystander AED Locations

Building Common Name	Grid ID	Floor	Location
PRF Building	AK32	1st	Next to Bathrooms Room AK32-102
Academic Office 1 Building	L15	1st	Next to Room L15-1002F Fire Command South
Research Complex 1 South	L18	1st	Between Unisex Bathrooms by Main Elevators
School Of Dental Medicine	L26	1st	Main Lobby by Receptionist Desk
Education 2 South Building	L28	1st	Between Unisex Bathrooms by Main Elevators
Barbara Davis Center	M20	1st	Clinical Area by Room M20-1221
Barbara Davis Center	M20	1st	by Receptionist Desk
Barbara Davis Center	M20	2nd	In Room M20-2202 Immunotherapeutic Infusion Center
Barbara Davis Center	M20	4th	Across from Elevators
Night Horse Campbell Building	M24	1st	Main Lobby (East Side)
Anschutz Health Science Building	P12	1st	by Stairway 1
Anschutz Health Science Building	P12	2nd	by Stairway 1
Anschutz Health Science Building	P12	3rd	by Stairway 1
Anschutz Health Science Building	P12	4th	by Stairway 1
Anschutz Health Science Building	P12	5th	by Stairway 1
Anschutz Health Science Building	P12	6th	by Stairway 1
Anschutz Health Science Building	P12	6th	in Room 6004 Exercise Lab
Anschutz Health Science Building	P12	6th	CTRC Nursing Station North by Room 6038
Anschutz Health Science Building	P12	7th	by Stairway 1
Research 2	P15	1st	by P15-1S01 Across from Cafe
Research Complex 1 North	P18	1st	by P18-1101 Next to Main Elevators
Research Complex 1 North	P18	1st	West Hallway by Room P18-1005
Education 1 Building	P26	1st	by Room P26-1202 Bathroom's South End



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Education 1 Building	P26	1st	by Room P26-1501 North End
Education 1 Building	P26	4th	by Room P26-S Elevator Lobby
Education 2 North Building	P28	1st	by Bathrooms Room P28-1212 Across from Cafe
Education 2 North Building	P28	1st	South End by Room P28-1102D1
PASCAL Building	P30	1st	P30-104 Reading Room
CU Police Dispatch	P34	2nd	P34-222 Weight Room North
Building 400	Q09	1st	Main Lobby
Fitzsimons Building	Q20	1st	Main Lobby Next to Receptionist Desk
Fitzsimons Building	Q20	2nd	Across from Elevator by Room Q20-E2306m
Building 401	R09	1st	Main Lobby Next to Bathrooms
Fitzsimons Auxiliary Building	R24	1st	by Room R24-002
Fulginiti Building Pavilion	R27	1st	Main Lobby by receptionist Desk
Environmental Health and Safety	R30	1st	by Copy/Fax Area
Building 402	S09	1st	Main Lobby Next to Bathrooms
Fitzsimons Building	S25	1st	by Room S25-EG501-1
Central Utility Plant	S34	1st	Control Room S34-101A
Building 406	T09	1st	Main Lobby Next to Bathrooms
Campus Services Building	T36	1st	by Dispatch T36-110
Anschutz Health And Wellness Center	V08	1st	Main Lobby by Stairway 6 Northeast
Anschutz Health And Wellness Center	V08	2nd	Clinical Area Far South Wall
Anschutz Health And Wellness Center	V08	2nd	Running Track by Restrooms
Anschutz Health And Wellness Center	V08	Basement	Basement by Room V08-0100 (Pool)
Pharmacy and Pharmaceutical Sciences Bldg	V20	1st	Main Lobby Next to Passenger Elevators
Strauss Health Sciences Library	V23	1st	by receptionist Desk
Firehouse	X28	3rd	Former Weight Room / Conference Room



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Bystander Information

Protections

Under the Colorado Good Samaritan Law, [CRS § 13-21-108.1-4A](#),

“Any person or entity whose primary duties do not include the provision of health care and who, in good faith and without compensation, renders emergency care or treatment by the use of an AED shall not be liable for any civil damages for acts or omissions made in good faith as a result of such care or treatment or as a result of any act or failure to act in providing or arranging further medical treatment, unless the acts or omissions were grossly negligent or willful and wanton.”

Although users of AEDs are greatly encouraged to be previously trained in CPR and AED use, anyone can utilize the AED and follow its, and EMS personnel's, instructions to save a life.

Campus staff are not required to use an AED, nor are they specifically compensated for assisting a medical emergency victim. Apart from expected users such as campus police and medical professionals in a clinical setting, all university employees are considered volunteers when rendering assistance to any individual suffering a medical emergency.

Steps to Utilize an AED

1. Recognize assistance is needed.
2. Locate AED and call for Emergency Medical Services (EMS) via University Police 303-724-4444.
3. Follow AED and EMS instructions until emergency personnel arrive.
4. Notify Fire & Life Safety about AED use via fls@olucdenver.onmicrosoft.com.

Training Options

On Campus

University of Colorado Anschutz Office of Student Affairs offers on campus [Basic Life Safety \(BLS\) classes](#) to all students, residents, staff, faculty, alumni, and non-CU affiliates.

The Office of Emergency Management is developing a [Heartsaver First Aid CPR AED Training](#) coming soon.



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Off Campus

To become certified, one must attend trainings authorized by the [American Heart Association](#). Click [here](#) to find training centers.

[Rocky Mountain CPR & First Aid](#) offers local training options.

Contacts

Fire & Life Safety Team Email: FLS@OLUCDENVER.ONMICROSOFT.COM

Fire & Life Safety Supervisor, Tracey Phillips

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Assistant Director of Infrastructure Safety and Compliance, Lacey Klindt-Carter

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Director of Infrastructure Safety and Compliance and Anschutz Fire Marshal, Duxton Milam

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Medical Director, Dr. Daniel Bessesen

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Links

Links are listed in order of appearance throughout this document.

CDC: <https://www.cdc.gov/cardiovascular-resources/php/pad-slfs/index.html>

CRS § 25-53-102: https://colorado.public.law/statutes/crs_25-53-102

AED Locations:

<https://www.cuanschutz.edu/police/divisions/emergencymanagement/aed-locations>

CRS § 13-21-108.1: https://colorado.public.law/statutes/crs_13-21-108.1#a-in-order-to-ensure-public-health-and-safety-a-person-or-entit

ADA: <https://www.ada.gov/law-and-regs/design-standards/standards-guidance/>



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Heartsine® Samaritan® PAD: <https://heartsine.com/product/heartsine-connected-samaritan-pad-350p/>

Zoll AED 3®: <https://www.zoll.com/en-us/products/emergency-care/aeds/zoll-aed-3>

Office of Student Affairs BLS Classes:

<https://www.cuanschutz.edu/student/resources/life-support#ac-are-re-certification-classes-offered-2>

Office of Emergency Management BLS Training:

<https://www.cuanschutz.edu/police/training/training-events-calendar>

American Heart Association Home Page: <https://www.heart.org/>

American Heart Association Authorized Training Centers: <https://atlas.heart.org/>

Rocky Mountain CPR & First Aid: <https://rockymountaincpr.com/>