

Automated External Defibrillation Program

Responsible Administrator: AED Program Coordinator
Revised: November 2023

Summary: The purpose of the Automated External Defibrillation (AED) Program is to

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1. Program Description

To improve survival rates from out-of-hospital Sudden Cardiac Arrest, the American Heart Association recommends lay rescuer Automated External Defibrillator (AED) programs. UC Irvine emergency medical services are provided by the Orange County Emergency Medical Services Authority. All departments and entities that obtain an AED must adhere to these guidelines and requirements.

UC Irvine is committed to the health and welfare of all members of the campus community, including visitors and complying with all California legislative law. Under California legislative code 104113, all health studios and health clubs must have an AED program in place and additionally [under the Senate Bill No. 1397](#) beginning January 1, 2017, an AED is required to be installed in newly constructed high occupancy buildings.

As of January 1, 2020, an AED is required to be installed in high occupancy structures that undergo modifications, renovations and tenant improvements amounting to \$100,000 or more in a single calendar year. This requirement applies to commercial, educational, institutional, and factory buildings with an occupancy load of 200 or more. This includes assembly buildings, auditoriums, and theaters with an occupancy of greater than 300 people. In assembly buildings, there is no dollar threshold for improvements made.

2. Scope

The UC Irvine AED Program includes all UC Irvine departments and individuals who keep AED units on site. The program provides oversight and support to AED Program participants on campus.

3. Definitions

- **Automated external defibrillator (AED or defibrillator):** An automated computerized medical device programmed to analyze heart rhythm, recognize rhythms that require defibrillation, and provide visual and voice instructions for the device operator, including, if indicated, to push the button to deliver an electric shock

- **Emergency Medical System (EMS):** Professional community responder agency for emergency events, who provide medical assistance and/or ambulance transport.
- **Medical Emergency Response Team (MERT):** MERT is a group of medical responders who train on a regular basis to respond to medical emergencies.
- **AED Program Coordinator:** Environmental Health and Safety personnel responsible for providing guidance and assistance in all matters involving the AED campus program.
- **AED Department Designee:** Each location with an AED must designate an individual(s) who will be responsible for maintaining the AED and completing the monthly check.
- **Medical Director:** Issues the prescription required by the FDA for AED purchases.

4. Responsibilities

EHS AED Program Coordinator:

- Assists in all inquiries regarding AEDs.
- Approves all AED purchases and replacement items through the campus Kuali Financial System (KFS)
- Assists in placing the acquired AED in an unlocked accessible location.
- Reviews monthly checks through the AED [online monitoring system](#) to assure campus compliance
- Communicates with department designee(s) on all AED matters.
- In the event of AED emergency use, will assist in obtaining event information and contact the contracted campus medical director.

AED Department Designee:

- Maintains AED equipment according to manufacturer specifications and campus AED program requirements.
- Documents monthly equipment inspection through the campus AED [online monitoring system](#)
- In the event of an AED emergency use, notifying EHS as soon as possible by either:
 - Email safety@uci.edu
 - Phone call 949-824-6200
 - In-person within 24 hours of an incident

Contracted AED Vendor:

- Reviews response data after an attempted rescue event (e.g., ECG rhythm, responder and AED actions, unit performance), and submits a written report to the Orange County Health Care Agency.
- Maintains the online monitoring system.

5. Program Components

Obtaining the AED

The interested party must agree to:

- Provide all financial responsibility for all costs accrued throughout the life of the AED. These costs include but are not limited to the acquisition of AED unit, installation, the continuous replacement of expiring supplies, and any additional cost associated with the maintenance or upgrades of each AED unit that may be required.
- To maintain consistency campus-wide with our online system and notification process to our contracted medical director, UC Irvine requires that all University entities only purchase the EHS approved AED device.
- Assign a department designee to complete the monthly service checks and maintain unexpired equipment per [California Health and Safety Code 1797.196](#).

AED Unit Inspection

Under [California Health and Safety Code 1797.196](#), AED units must be inspected and maintained for proper use. The Department Designee is responsible for completing these checks monthly which includes.

- Readiness indicator is positive
- AED is not beeping or chirping
- AED is in good condition
- Supplies are available and unexpired
 - Two sealed unexpired pads
 - Spare battery
 - Child key: for locations where children may be present
 - Response kit

Once the monthly visual inspection is complete, the Department Designee must log onto the campus [online AED monitoring](#) system and record inspection completion and report any finding.

The EHS Program Coordinator will conduct an onsite annual inspection of all AED units for quality assurance.

6. Reporting Requirements

In the event of an AED emergency use, notify EHS as soon as possible by either:

- Email safety@uci.edu
- Phone call 949-824-6200
- In-person within 24 hours of an incident

The EHS Program Coordinator will collect all the event information and contact the contracted Campus AED Medical Director. The Medical Director will review response data (e.g., ECG rhythm, responder and AED actions, unit performance), and submit a written report to the Orange County Health Care Agency.

7. References

- County of Orange Emergency Medical Services Authority (EMSA)
 - [Information on Automated External Defibrillators](#)
- California Code of Regulations, Title 22
 - [Training Standards for the use of the Automated External Defibrillator by Non-Licensed or Non-Certified Personnel](#)
- California Health and Safety Code
 - [California Legislative Senate Bill No. 1397](#)
 - [Section 1797.196 AED Program Requirements](#)
 - [Section 104113 Requirement for Automated External Defibrillators in Health Studios](#)
- California Civil Codes
 - [Section 1714.21 Liability in rendering emergency care](#)
- California Senate Bill:
 - [CASB 1397 Outlines AED requirements for buildings constructed on or after January 1, 2017](#)
- Occupational Safety & Health Administration (OSHA)
 - [Safety and Health Topics: Automated External Defibrillators \(AEDs\)](#)
- National Conference of State Legislatures
 - [State Laws on Heart Attacks, Cardiac Arrest & Defibrillators](#)
- University of California, Irvine
 - [EHS AED Program](#)