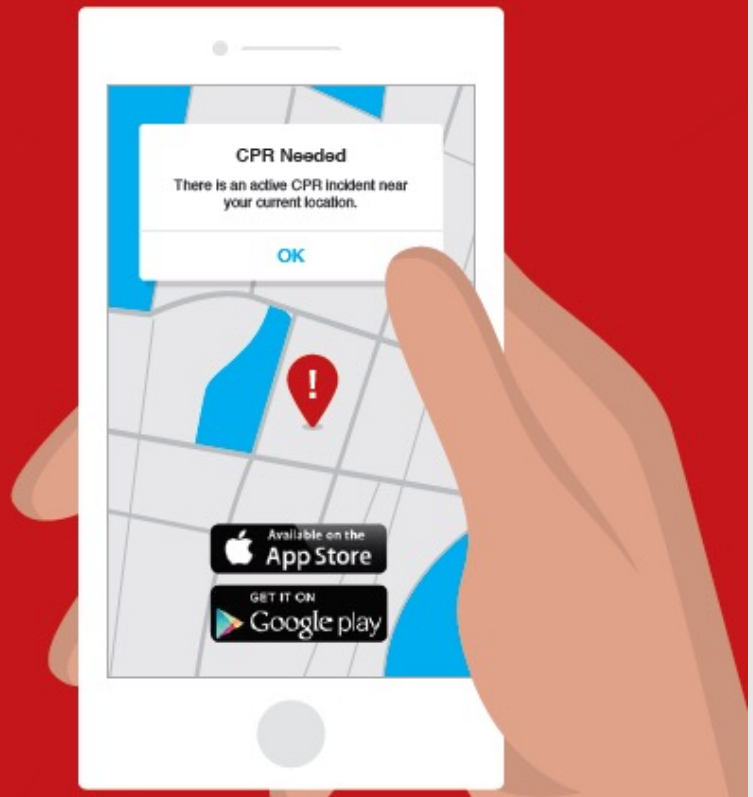
PulsePoint

ACTIVATE YOUR COMMUNITY

The chain of survival is only as strong as we make it. Create a culture of action in your community.



PulsePoint.org | PulsePoint is a 501c3 Non-Profit Foundation

Richard Price
Founder/President
PulsePoint Foundation

1

SCA victim in need.

2

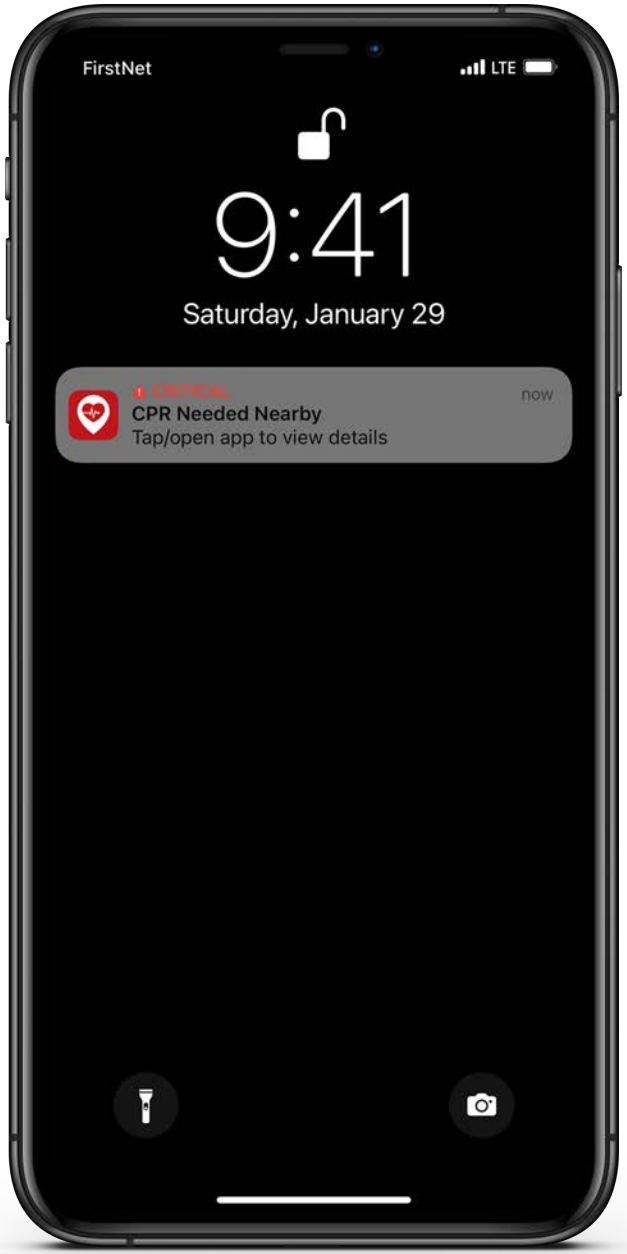
911 system sends PulsePoint alert.

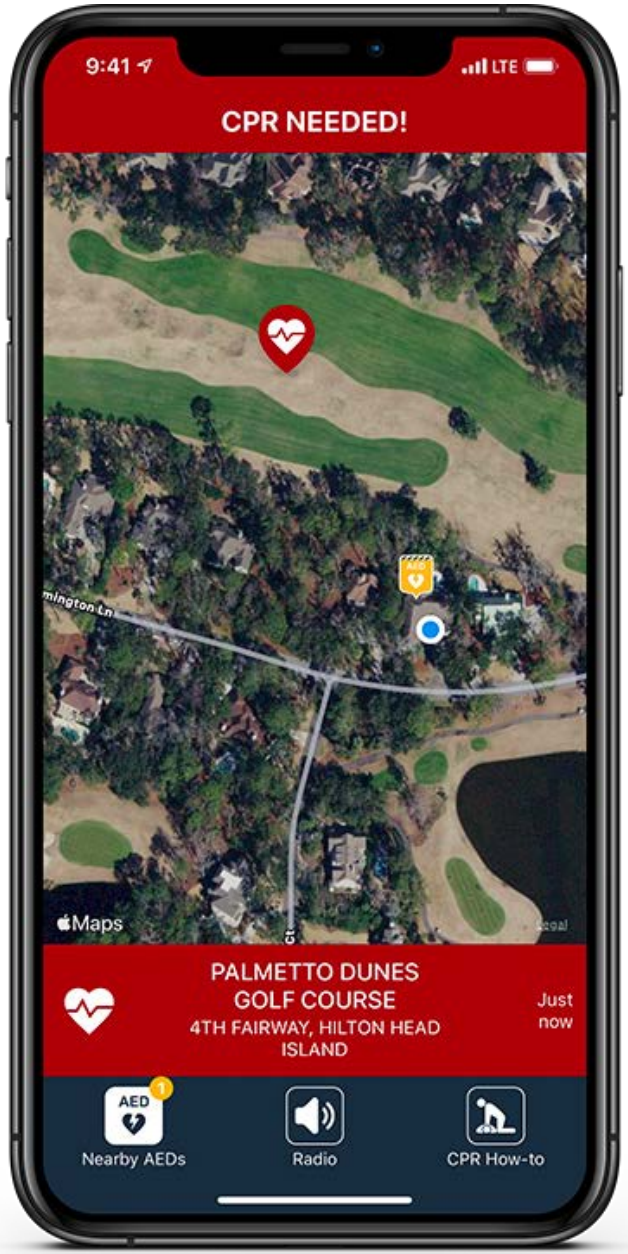
3

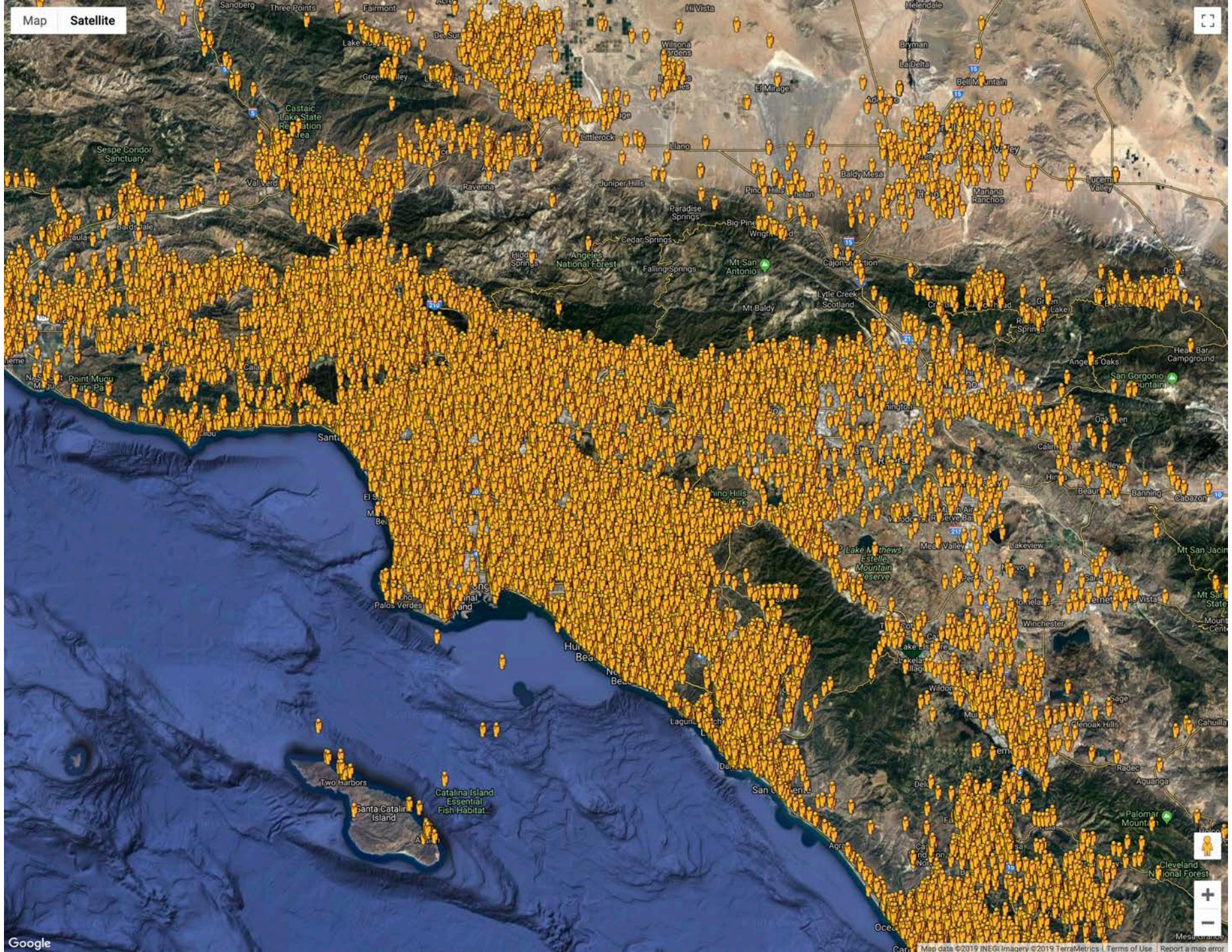
Signal received by nearby PulsePoint users.

4

Users rush to help the victim before professional help arrives.


FirstNet
LTE
9:41
Saturday, January 29
CRITICAL
CPR Needed Nearby
Tap/open app to view details
now


9:41
LTE
CPR NEEDED!
Maps
PALMETTO DUNES
GOLF COURSE
4TH FAIRWAY, HILTON HEAD
ISLAND
Just
now
AED
Nearby AEDs
Radio
CPR How-to


Map
Satellite
Google
Map data ©2019 INEGI Imagery ©2019 TerraMetrics
Terms of Use
Report a map error

SYSTEM PERFORMANCE

2m 54s

EARLY ARRIVAL ADVANTAGE [1]

5m 07s

COMMUNITY NOTIFICATION OPPORTUNITY [2]

1m 52s

COMMUNITY RESPONSE TIME

INCIDENTS

40,924

INCIDENTS LAST 24 HOURS

864

SCA INCIDENTS LAST 24 HOURS [3]

1,275,743

SCA INCIDENTS TO DATE

pulsepoint.org/stats

PulsePoint Report
Utilizing CARES 2018 - 2020 Data

2018
Total # of PulsePoint cases in CARES = 18,361
Total # of PulsePoint Agencies participating: 168/371 (45.3%)

2019
Total # of PulsePoint cases in CARES = 28,227
Total # of PulsePoint Agencies participating: 350/510 (68.6%)

2020
Total # of PulsePoint cases in CARES = 42,242
Total # of PulsePoint Agencies participating: 407/574 (70.9%)

	Non-PulsePoint* 2018	PulsePoint 2018	National 2018	Non-PulsePoint* 2019	PulsePoint 2019	National 2019	Non-PulsePoint* 2020	PulsePoint 2020	National 2020
Non-Traumatic Etiology Survival Rates									
Overall	10.0% (63503)	11.6% (18361)	10.4% (81864)	10.3% (72729)	11.2% (28227)	10.5% (100956)	8.6% (85134)	9.6% (42242)	9.0% (127376)
Bystander Wit'd	15.2% (23884)	18.2% (6685)	15.8% (30569)	15.5% (27761)	17.2% (10583)	16.0% (38344)	12.7% (31628)	14.6% (15578)	13.3% (47206)
Unwitnessed	4.2% (31643)	5.1% (9406)	4.4% (41049)	4.2% (35811)	4.9% (14196)	4.4% (50007)	3.9% (42477)	4.6% (21343)	4.1% (63820)
Utstein[1]	32.1% (6860)	37.1% (2186)	33.3% (9046)	32.3% (8099)	35.3% (3372)	33.2% (11471)	27.7% (8147)	32.1% (4094)	29.2% (12241)
Utstein Bystander[2]	36.1% (3919)	40.7% (1386)	37.3% (5305)	36.4% (4799)	39.4% (2149)	37.3% (6948)	31.7% (4722)	35.5% (2547)	33.0% (7269)
Bystander Intervention Rates[3]									
CPR	37.8% (47098)	43.6% (13624)	39.2% (60722)	39.8% (54017)	44.7% (21110)	41.2% (75127)	38.4% (62853)	43.8% (31840)	40.2% (94693)
Public AED Use	11.4% (8315)	13.4% (2622)	11.9% (10937)	11.3% (9582)	14.3% (3971)	12.2% (13553)	8.6% (8865)	9.9% (4343)	9.0% (13208)

An analysis of PulsePoint agencies who were also CARES participants in 2018, 2019, and 2020 showed that PulsePoint communities performed better in all of the above indicated CARES performance measures. In 2020, bystander CPR was 5.4% higher (43.8% vs. 38.4%) and public AED use was 1.3% higher (9.9% vs. 8.6%) in PulsePoint communities compared to non-PulsePoint CARES communities. Overall survival for sudden cardiac arrests that were witnessed and shockable (Utstein) was 4.4% higher (32.1% vs. 27.7%). In 2020, 70.9% of PulsePoint agencies participated in CARES and 33.2% of CARES cases were from PulsePoint agencies (42,242 of 127,376).

-**Please Note:** Descriptions of, references to, or links to other products, publications, or services does not imply endorsement of any kind unless expressly stated by CARES. The reports are intended for educational, research, self-study, and reference purposes only and are not intended to substitute for the exercise of professional judgment. CARES makes no warrant to the accuracy, completeness, suitability, or result obtained from the content.

***Non-PulsePoint rates exclude PulsePoint agencies**

[1] Utstein: Witnessed by bystander and found in shockable rhythm.
[2] Utstein Bystander: Witnessed by bystander, found in shockable rhythm, and received some bystander intervention (CPR and/or AED application).
[3] Bystander CPR rate excludes 911 Responder Witnessed, Nursing Home, and Healthcare Facility arrests. Public AED Use rate excludes 911 Responder Witnessed, Home/Residence, Nursing Home, and Healthcare Facility arrests.

Significant New and Updated Recommendations

Systems of Care

1. *"Summoning willing bystanders: Emergency dispatch systems should alert willing bystanders to nearby events that may require CPR or AED use through mobile phone technology (Class 1, LOE B-NR).*

2. *Notification of lay rescuers via a mobile phone app results in improved bystander response times, higher bystander CPR rates, shorter time to defibrillation, and higher rates of survival to hospital discharge."*

Released 10/21/2020

10 STEPS

to Improve Cardiac Arrest Survival

1. Establish a cardiac arrest registry
2. Begin Telephone-CPR with ongoing training and QI
3. Begin high-performance EMS CPR (HP-CPR) with ongoing training and QI
4. Begin rapid dispatch
5. Measure professional resuscitation using the defibrillator recording (and voice if possible)
6. Begin an AED program for first responders, including police officers, guards, and other security personnel
7. Use smart technologies to extend CPR and public access defibrillation programs to notify volunteer bystanders who can respond to a nearby arrest to provide early CPR and defibrillation
8. Make CPR and AED training mandatory in schools and the community
9. Work toward accountability – submit annual reports to the community
10. Work toward a culture of excellence

*"The non-PulsePoint dispatch associated OHCA patients experienced a similar rate of bystander CPR to the [CARES] published figure (**35.5%**), while the PulsePoint dispatch-associated group experienced a significantly increased bystander CPR rate of **59.4%**."*

RESUS 9276 ARTICLE IN PRESS No. of Pages 8, Model NS

RESUSCITATION xxx (2021) xxx

Available online at ScienceDirect

Resuscitation

journal homepage: www.elsevier.com/locate/resuscitation

Clinical paper

PulsePoint dispatch associated patient characteristics and prehospital outcomes in a mid-sized metropolitan area

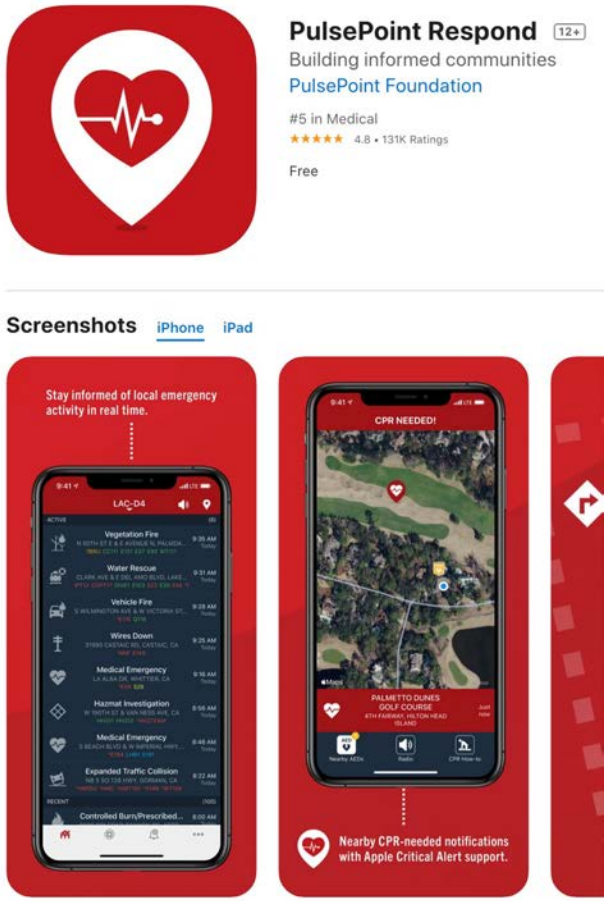
Tanner Smida[a,b,], Jessica Salerno[a], Leonard Weiss[a], Christian Martin-Gill[a], David D. Salcido[a]*

[a] *University of Pittsburgh School of Medicine, Pittsburgh, PA, United States*
[b] *West Virginia University, United States*

App Version / Responder Types

Public App

- Who
  - **CPR-trained citizens**
- CPR-needed Alert
  - **Public locations only**
- Public safety activity
  - **Limited to public information that is useful to community members**
    - Vehicle accidents, utility emergencies, fires, etc.



App Version / Responder Types

Community Verified Responders

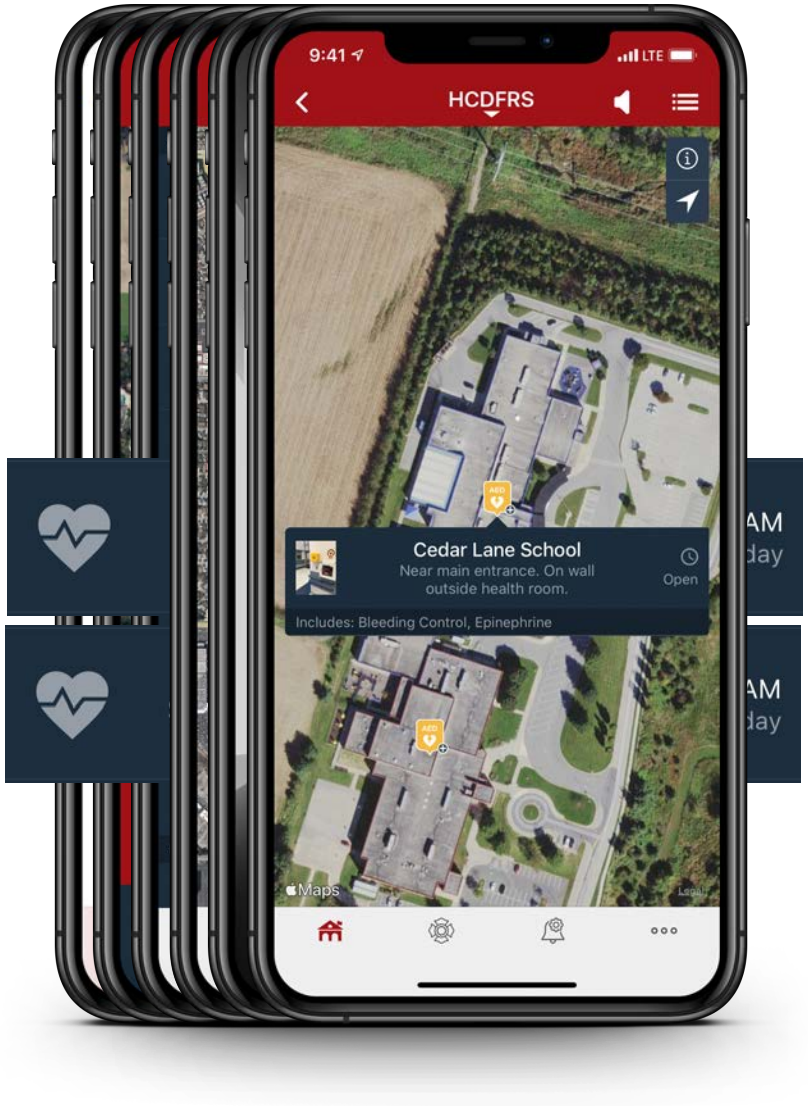
- Who
  - **Doctors, Nurses, CERT, Security Guards, CPR Instructors**
- CPR-needed Alert
  - **All locations**
- Public safety activity
  - **Limited to public information that is useful to community members**
    - Vehicle accidents, utility emergencies, fires, etc.

App Version / Responder Types

Professional Verified Responders

- Who
  - **Firefighters, EMT's, Paramedics**
- CPR-needed Alert
  - **All locations**
- Public safety activity
  - **Complete incident information including potential HIPAA data**

PulsePoint

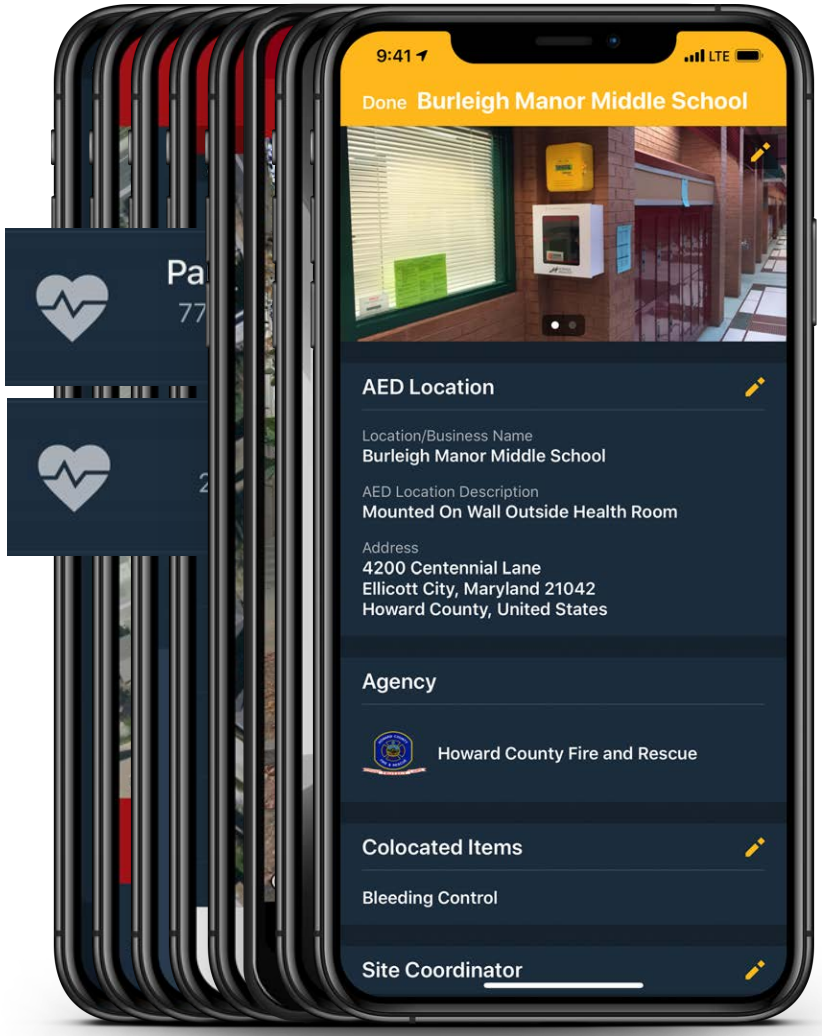


PulsePoint Public Responder

Target user: *Community members* interested in staying informed of local emergency activity and those trained in CPR and willing to assist if a cardiac arrest occurs in a public place near them.

- Nearby CPR-needed alerts in **public locations**.
- **Filtered list of incidents** displayed.
  - Calls of a dangerous or sensitive nature typically not displayed.
- Medical Emergency incident types **described generically**.
- Full incident **address not shown** on medical incident types.
- Routing (turn-by-turn) **not offered on medical incident types**.
- Informed community alerts (**wildfires, flooding**, etc.).
- View and add AED locations, including colocated items.
- Self-selected participation.

PulsePoint

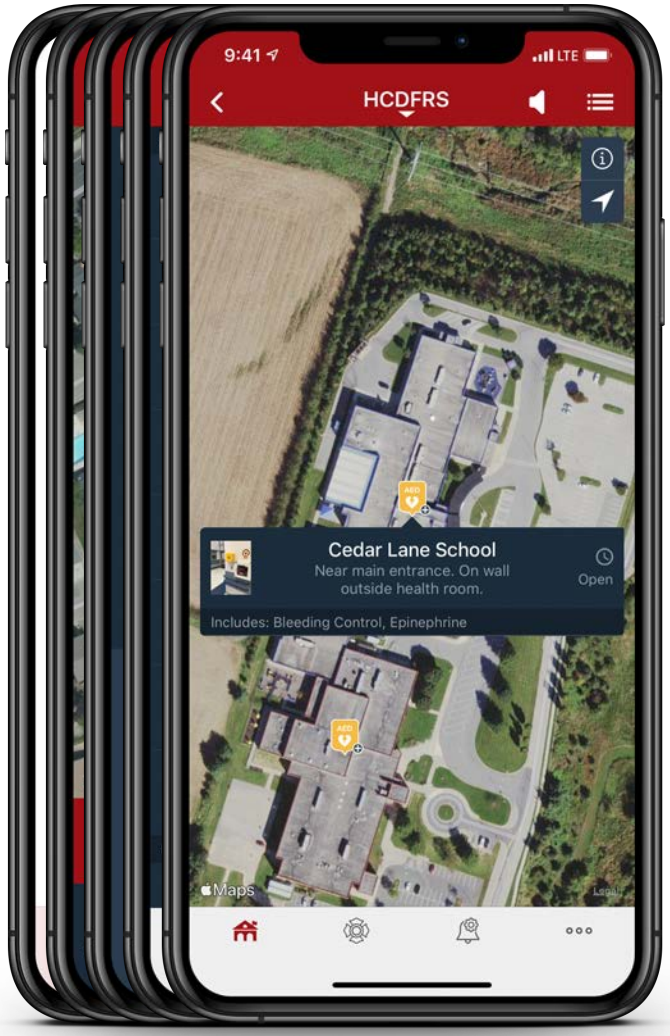


PulsePoint Verified Responder - Pro

Target user: *Public safety employees*, typically firefighters, paramedics, and law enforcement officers assigned Verified Responder Pro status by their organization.

- Nearby CPR-needed alerts in **all locations**.
  - Digital ID badge
- **All incidents** displayed.
- Expanded medical incident types.
- Full incident **address shown** on medical incident types.
- Routing (turn-by-turn) **offered on medical incident types**.
- Destination Street View (Android)
- Additional notification types (**MCI, Mutual Aid**).
- Add and **approve** AED locations, including colocated items.

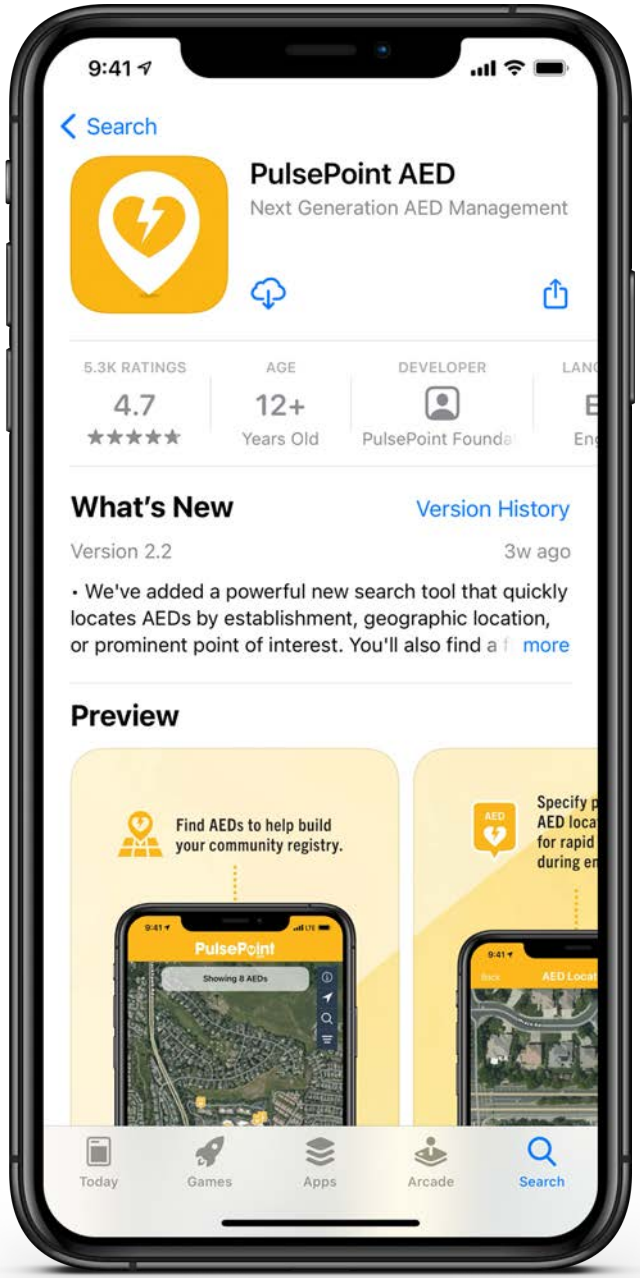
PulsePoint



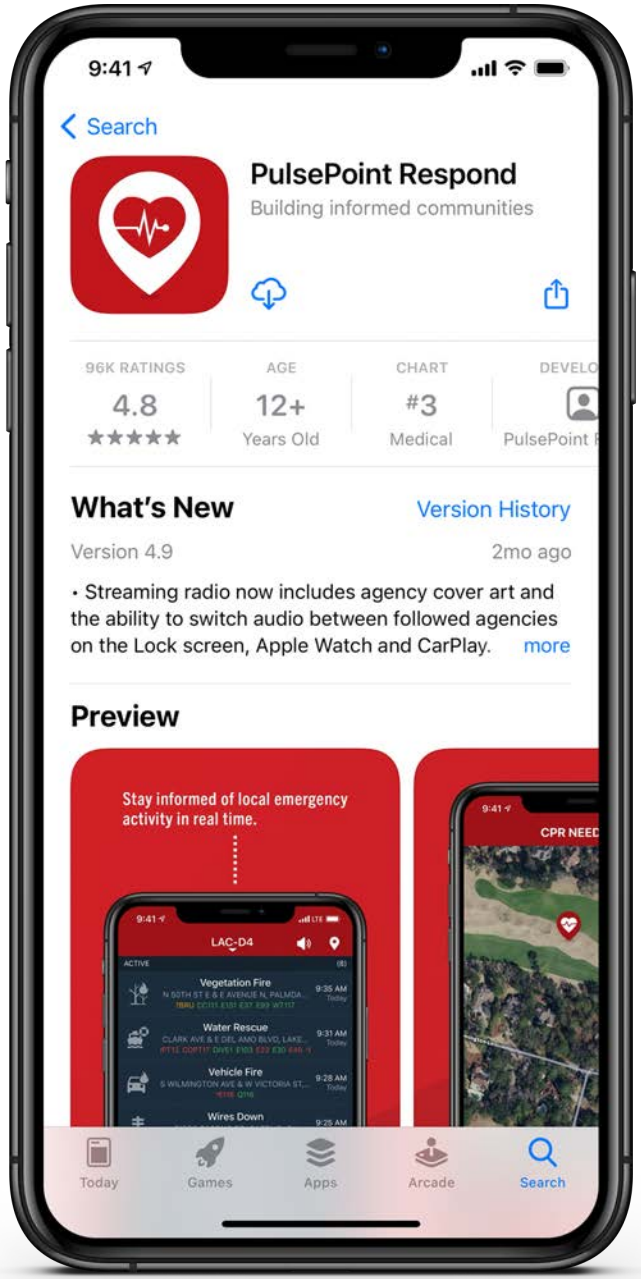
PulsePoint Verified Responder - Community

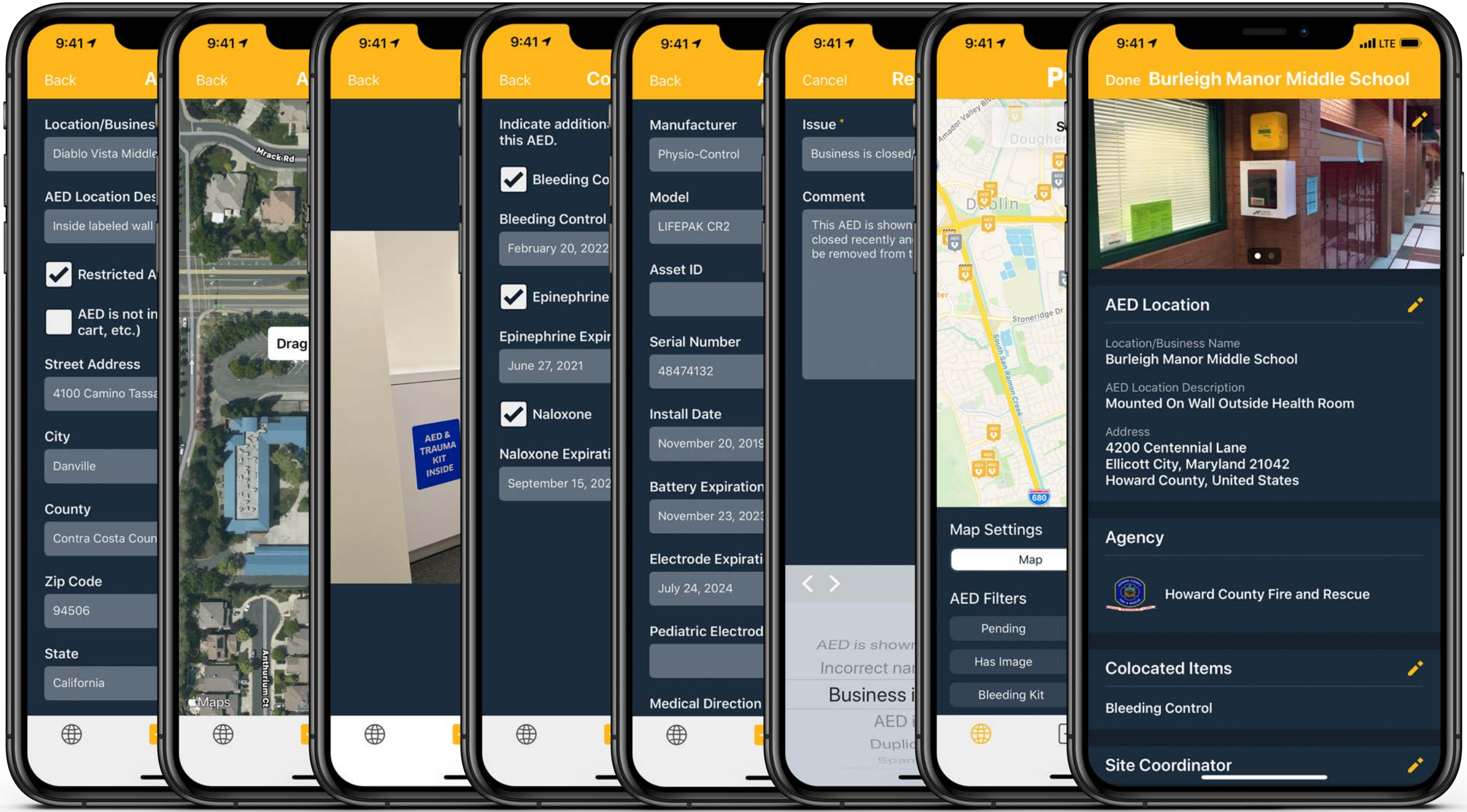
Target user: *Invited members of the community with medical or rescue training* such as public safety retirees, CERT members, doctors, nurses, and residential security staff or residents with special neighborhood responsibilities.

- Nearby CPR-needed alerts in **all locations**.
  - Digital ID badge
- Same filtered incident list and restrictions as the public version.
- Add and **approve** AED locations, including colocated items.


9:41
Search
PulsePoint AED
Next Generation AED Management
5.3K RATINGS
4.7
AGE
12+
Years Old
DEVELOPER
What's New
Version History
Version 2.2
3w ago
• We've added a powerful new search tool that quickly locates AEDs by establishment, geographic location, or prominent point of interest. You'll also find a
more
Preview
Find AEDs to help build your community registry.
Today
Games
Apps
Arcade
Search

VS.


9:41
Search
PulsePoint Respond
Building informed communities
96K RATINGS
4.8
AGE
12+
Years Old
CHART
#3
Medical
What's New
Version History
Version 4.9
2mo ago
• Streaming radio now includes agency cover art and the ability to switch audio between followed agencies on the Lock screen, Apple Watch and CarPlay.
more
Preview
Stay informed of local emergency activity in real time.
Today
Games
Apps
Arcade
Search


9:41
Back
Location/Busines
Diablo Vista Middle
AED Location Des
Inside labeled wall
Restricted A
AED is not in
cart, etc.)
Street Address
4100 Camino Tassa
City
Danville
County
Contra Costa Coun
Zip Code
94506
State
California
Mrack Rd
Drag
Anthurium Ct
Maps
AED & TRAUMA KIT INSIDE
Indicate addition
this AED.
Bleeding Co
Bleeding Control
February 20, 2022
Epinephrine
Epinephrine Expir
June 27, 2021
Naloxone
Naloxone Expirati
September 15, 202
Manufacturer
Physio-Control
Model
LIFEPAK CR2
Asset ID
Serial Number
48474132
Install Date
November 20, 2019
Battery Expiration
November 23, 2023
Electrode Expirati
July 24, 2024
Pediatric Electrod
Medical Direction
Cancel
Issue *
Business is closed
Comment
This AED is shown
closed recently an
be removed from t
AED is shown
Incorrect na
Business i
AED i
Duplic
Map Settings
Map
AED Filters
Pending
Has Image
Bleeding Kit
Done
Burleigh Manor Middle School
LTE
AED Location
Location/Business Name
Burleigh Manor Middle School
AED Location Description
Mounted On Wall Outside Health Room
Address
4200 Centennial Lane
Ellicott City, Maryland 21042
Howard County, United States
Agency
Howard County Fire and Rescue
Colocated Items
Bleeding Control
Site Coordinator

Oct 04 2021, 23:15:57

5303 Heron Creek Boulevard

North Port, 34287

(315) 735-6119

Close call

What3Words ///reverted.twisted.cafes Show all

Lat/Long 27.0598069, -82.2212612

DMS 27° 3′ 35″ N,82° 13′ 17″ W

SMS chat | Location timeline | Additional data

Location update 23:15:57

Approximate address:
5303 Heron Creek Boulevard,
North Port,
34287

Class: Apple
Uncertainty: 12 m
Confidence: 90%
Altitude: 125 m

6 mins | Apple

463

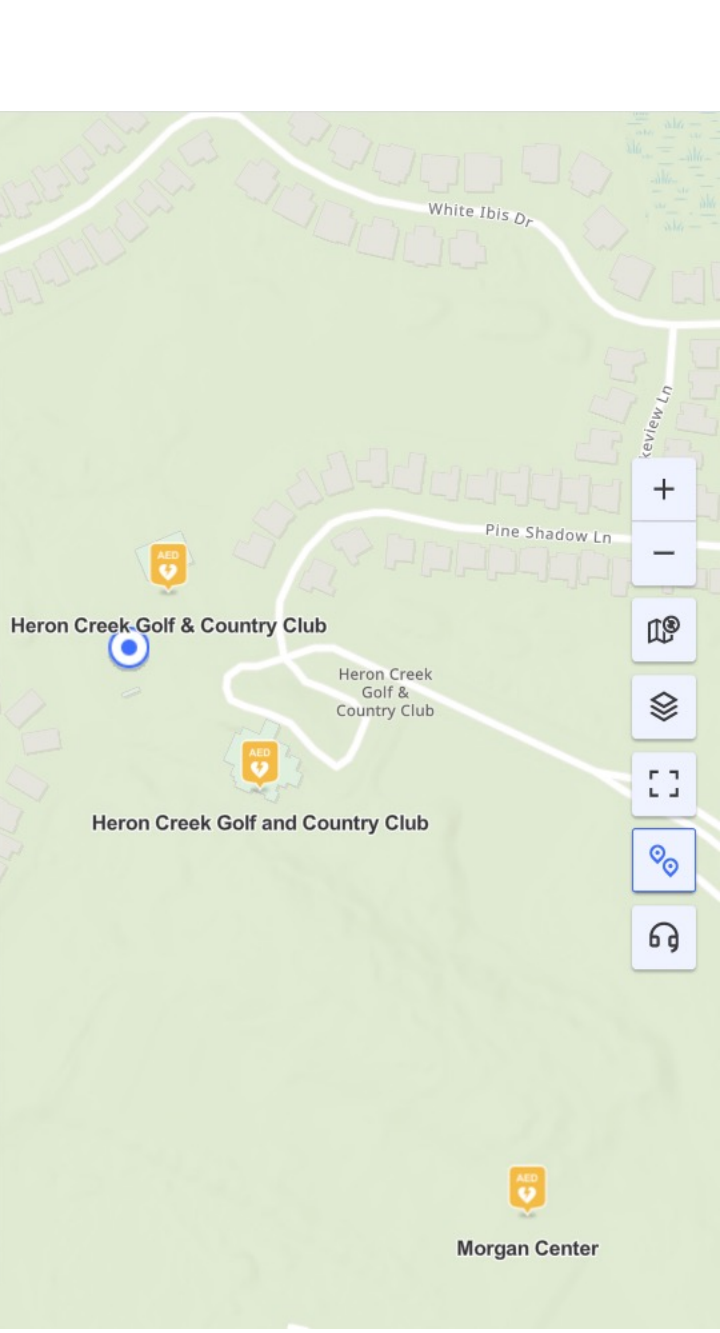
BS

Search Location...

Heron Creek Golf & Country Club

AgencyID	16072
Address	5303 Heron Creek Boulevard
Description	Fitness Center
City	North Port
PlaceType	
AccessCode	
Manufacturer	
Model	
Collocated items:	None
Accessibility:	Publicly Accessible

Zoom to



Oct 04 2021, 23:15:57

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Uncertainty: 12 m
Confidence: 90%
Altitude: 125 m

6 mins Apple

463

BS

Search Location...

Heron Creek Golf & Country Club

Zoom to

White Ibis Dr
White Ibis Dr
Pine Shadow Ln
Heron Creek Golf & Country Club
Heron Creek Golf & Country Club
Heron Creek Golf and Country Club
Morgan Center

Oct 04 2021, 23:15:57

5303 Heron Creek Boulevard

North Port, 34287

(315) 735-6119

Close call

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Lat/Long 27.0598069, -82.2212612

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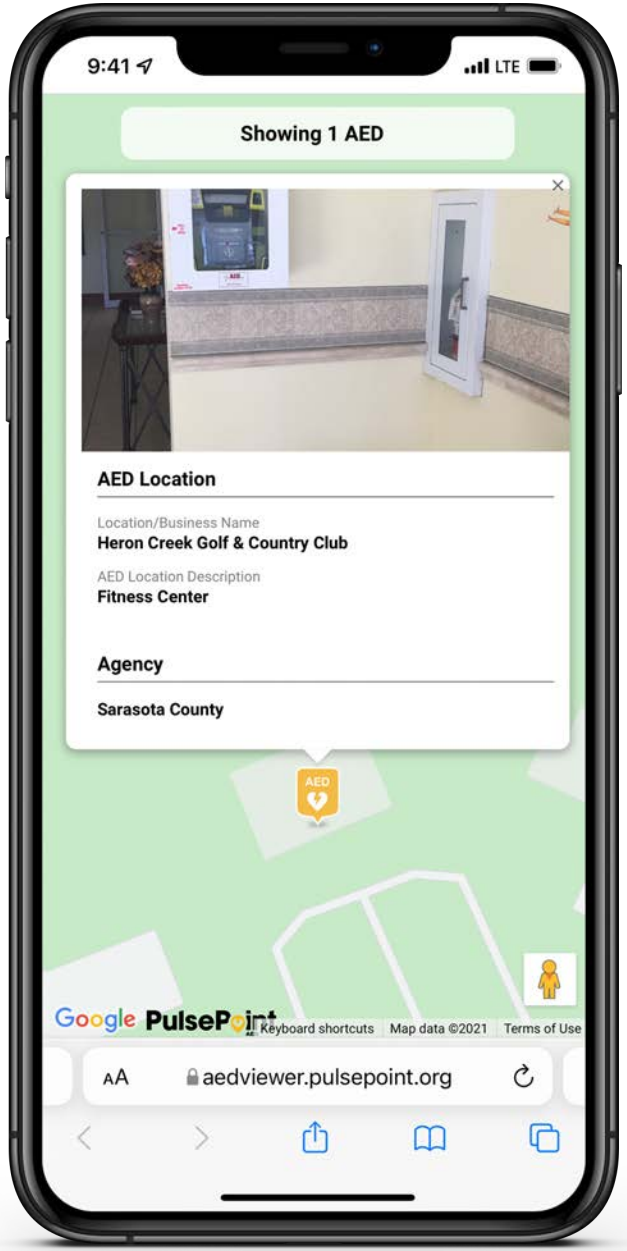

BUILDING INFORMED COMMUNITIES

PulsePoint notifications provide an early heads-up to local threats such as wildland fires, flooding and utility emergencies.

DOWNLOAD THE APP

LATEST NEWS: February is Heart Month! Check out our Heart Month Resource Toolkit—full of ideas and resources to engage and encourage your citizens to take care of their hearts, learn CPR, register AEDs, and download PulsePoint.

LAST 24 HOURS

90	225	386	58	2,134
CPR-NEEDED ACTIVATIONS	NEARBY RESPONDERS ALERTED	NEARBY AEDS IDENTIFIED	AEDS ADDED	NEW APP USERS

More Stats...

PulsePoint

Richard Price

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General Information

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Twitter

@pulsepoint

PulsePoint is a 501(c)(3) public non-profit foundation.

FIRSTNET CERTIFIED™