

Solution name

HartslagNu (HeartbeatNow)

ID

1

Description of solution (short)

HeartbeatNow (HartslagNu) is a Text Message (TM) alert system used as a solution to notify citizen volunteers trained in resuscitation to help in cardiac arrest cases near their location. The aim is to reduce the delay in response time to start basic life support in the event of a sudden out-of-hospital circulatory arrest (OHCA). The alert system is based on a network consisting of TM volunteers and automatic external defibrillators placed in residential areas. In the case of a cardiac arrest, TM volunteers can be notified by the dispatch centre, using the zip code derived location of the victim and the closest volunteers. In a suspected OHCA, the dispatch centre activates the system simultaneously with two ambulances. Zip code identified TM volunteers within a radius of 1 kilometre of the victim receive a TM, directing them to the scene either to start basic life support or to get the nearest network automatic external defibrillator. The alert system has been found to be effective in increasing the survival of OHCA victims and a low degree of disability after survival.

Solution type

Alert system

PURPOSE

Enhance preparedness, Improve health and mental outlook, Efficient response

Solution provider/user

Volunteers in general, Emergency organisations/services

Targeted population/group

Citizen groups at risk

NEEDS OF FIRST RESPONDERS

"Involving society in disaster, response and recovery activities for example, doing simple tasks or providing resources", Having self-organizing capacities without having to wait for emergency services or authorities, Volunteering in organized entities so volunteers have the proper training and their safety is not compromised, Being ready to collaborate , Helping victims and each other

NEEDS (agregated)

Organize & coordinate volunteers, "Improve autonomy, coping abilities, and proactiveness of citizens", Communicate with or alarm citizens

Phases of disaster management

During the crisis

Geographical location

Netherlands

Link to more information

<https://www.sciencedirect.com/science/article/pii/S0300957216301010>
<https://hartslagnu.nl/>

Maturity level

Implemented

Year of launch

2015

In-depth characterization

No

Name (from Solution type)

Alert system

