

**DERBYSHIRE COUNTY COUNCIL**

**CABINET MEMBER, HEALTH AND COMMUNITIES**

**19 July 2018**

**Report of the Director of Public Health**

**Provision of Community Based Defibrillators**

**1. Purpose of the report:**

The purpose of this report is to request approval for £30,000 of public health funds to be used to purchase Automated External Defibrillator's (AEDs) and supporting resources.

**2. Information and analysis:**

**Background:**

Sudden Cardiac Arrest (SCA) is a major cause of death and kills more people than lung cancer, breast cancer and AIDs combined. Where the SCA has occurred in the community; known as an out of hospital cardiac arrest (OHCA), less than one in 10 people who suffer survive to leave hospital. In Derbyshire between 2015/16 and 2016/17 there were 2,239 hospital admission for acute myocardial infarctions.

The major risk factor for SCA is coronary heart disease, with the risk factors for coronary disease being high blood pressure, physical inactivity, smoking, obesity and diabetes.

Together with effective CPR, defibrillation is the only way to re-establish the heart's natural rhythm, and forms part of the internationally recognised method to improve out of hospital cardiac arrest survival rates; known as the chain of survival.

**Automated External Defibrillator (AED)**

This initiative will provide up to 10 AEDs across Derbyshire County Council. The AED will be stored within a digital case, which can only be accessed by dialing 999 and requesting the key code, this will help prevent inappropriate access to the device. As soon as the code is requested East Midlands Ambulance Service (EMAS) will dispatch an ambulance to the scene.

In order to establish the most appropriate area for the defibrillators, work has been undertaken with EMAS to establish all current defibrillators registered with them to ensure the new devices are placed in the most appropriate area of need.

Prevalence rates for coronary heart disease, Diagnosed Hypertension and Stroke, Diabetes, Emergency Acute MI admissions, Smoking rates and Inactive Adults will also be considered. The following areas have so far been identified; Killamarsh library, Sandiacre library, Clay Cross library, Holmewood library, Bolsover library, High Peak Junction Visitors Centre, Ambergate Depot, Peak School/Alderbrook Centre/Peak Lodge complex, Chinley, Tapton Lock Visitor Centre.

## **Training**

AEDs are designed to be user-friendly devices that any lay person with no formal medical background or resuscitation training should be able to use safely and effectively.

Performing CPR is critical when a person has a SCA to buy time whilst a defibrillator is accessed. To increase the number of people trained in CPR to support this initiative, British Heart Foundation Call Push kits will be purchased which will be placed within a number of venues across the county to enable them to be accessible to the public. The Call Push kits provide a DVD tutorial to demonstrate CPR skills along with manikins for participants to practice the CPR technique. The availability of the kits will be promoted to communities, schools and workplaces; and provide a cost effective and sustainable method of increasing the number of people who learn CPR skills.

## **Preventative messages**

In addition to the purchasing of AEDs and the Call Push Kits, in order to maximise the benefits of this initiative, information and promotion about NHS Health Checks which has a focus on coronary heart disease prevention and the Live Life Better Derbyshire service will be promoted to local communities.

### **3. Financial considerations:**

The cost of this initiative is £30,000 which will be met from the ring-fenced Public Health grant during 2018-19.

### **4 Social Value considerations:**

This project will impact upon those areas where prevalence rates for SCA are at their most highest; by providing training and access to services, thereby supporting the development of healthier communities.

### **5. Other considerations:**

In preparing this report the relevance of the following factors has been considered: financial, legal, prevention of crime and disorder, equality of opportunity, human resources, environmental, health, property and transport considerations.

**6. Background papers:**

None.

**6. Key Decision:**

No.

**7. Call-in:**

Is it required that call-in be waived for any decision on this report? No.

**8. Officer's Recommendation:**

That £30,000 of public health funds be approved for the use of purchasing AEDs and supporting materials.

**Dean Wallace**  
**Director of Public Health**