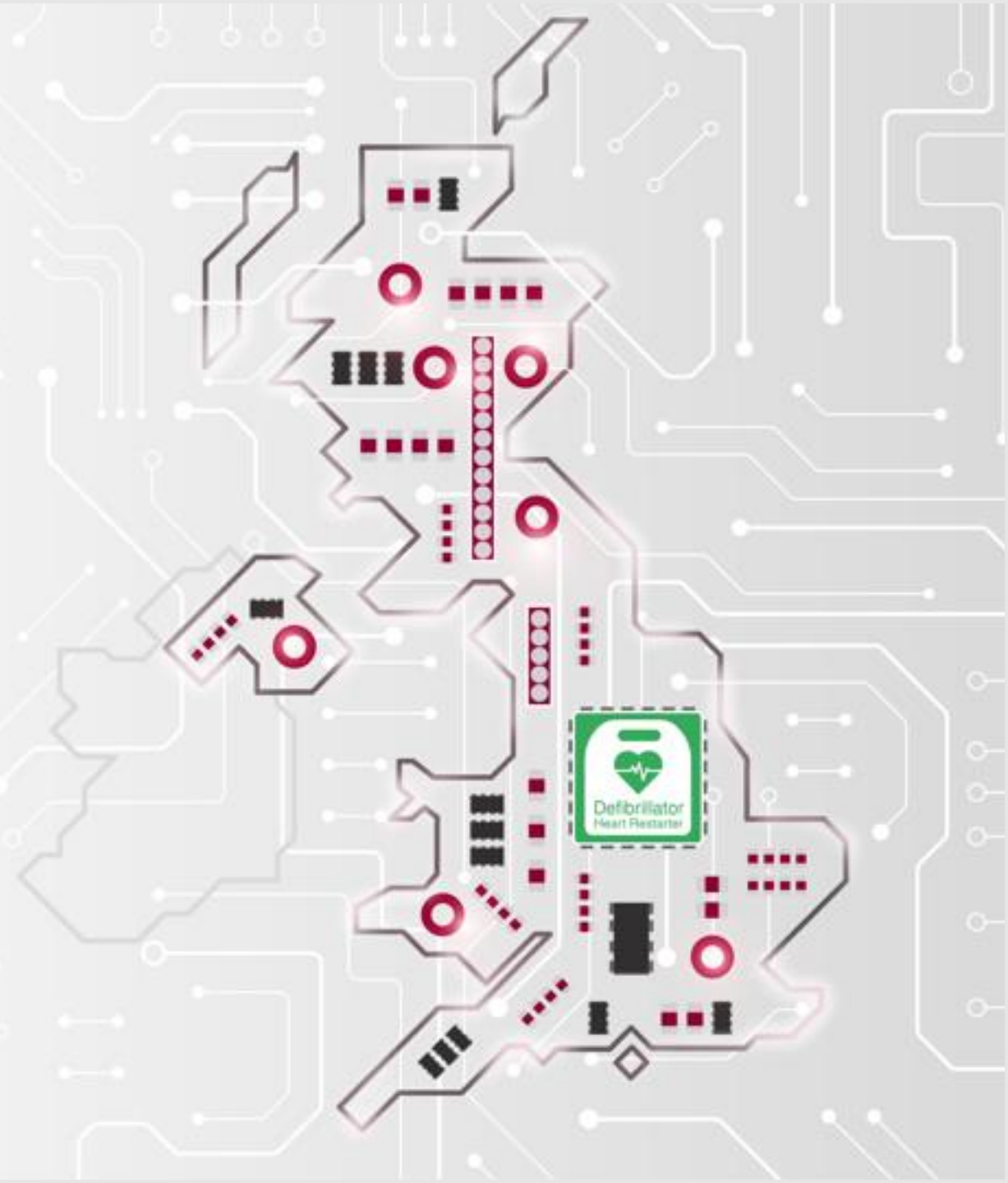


(The circuit)

The National Defibrillator Network

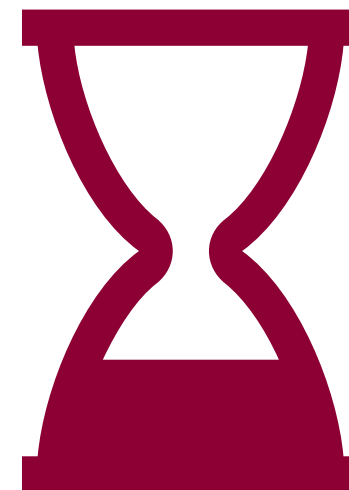


Introduction

- The Circuit is the UK's national defibrillator network
- Its primary aim is to locate and register the UK's defibrillators, so ambulance services can direct bystanders to access their nearest emergency ready defibrillator during a cardiac arrest
- Its secondary aim is to provide data that identifies where more defibrillators are needed, to support research and policy making
- The Circuit empowers defibrillator Guardians, allowing them to register their defibs and maintain their defib data by providing information and support

Why it's important to register

Registering your defibrillator on The Circuit helps emergency call handlers locate the nearest defibrillator, when 999 is called in the ultimate medical emergency. At a time when every second counts - it could make the difference between life and death.



Why it's important to register

>30K

Each year, over 30,000 people have an out-of-hospital cardiac arrest.

<1 in 10

The survival rate for an out-of-hospital cardiac arrest is less than 1 in 10.

<10%

Less than 10% of out of hospital cardiac arrests receive bystander defibrillation.

-10%

Every minute without CPR and defibrillation reduces the chance of survival by up to 10 percent.

<5 mins

It takes less than 5 minutes to register a defibrillator.

We need your help

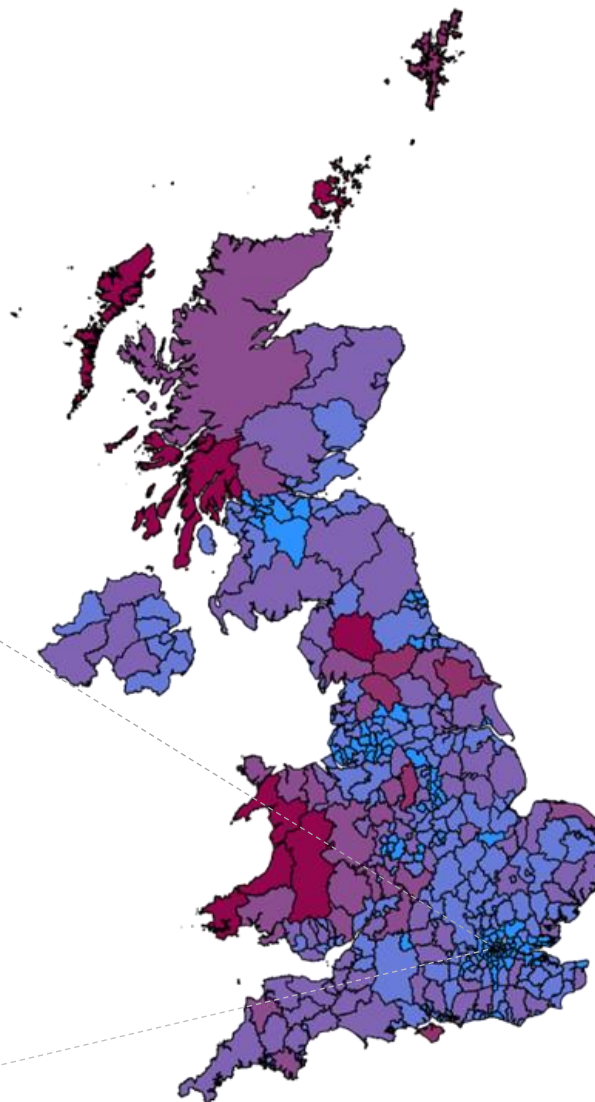
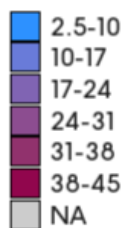


Over 89,000 defibrillators are registered on The Circuit.

It is estimated that tens of thousands of defibrillators are still unknown to the ambulance services.

Registered defibrillator distribution

Number of defibrillators per 10,000 population



Highest defibrillators per 10,000 population

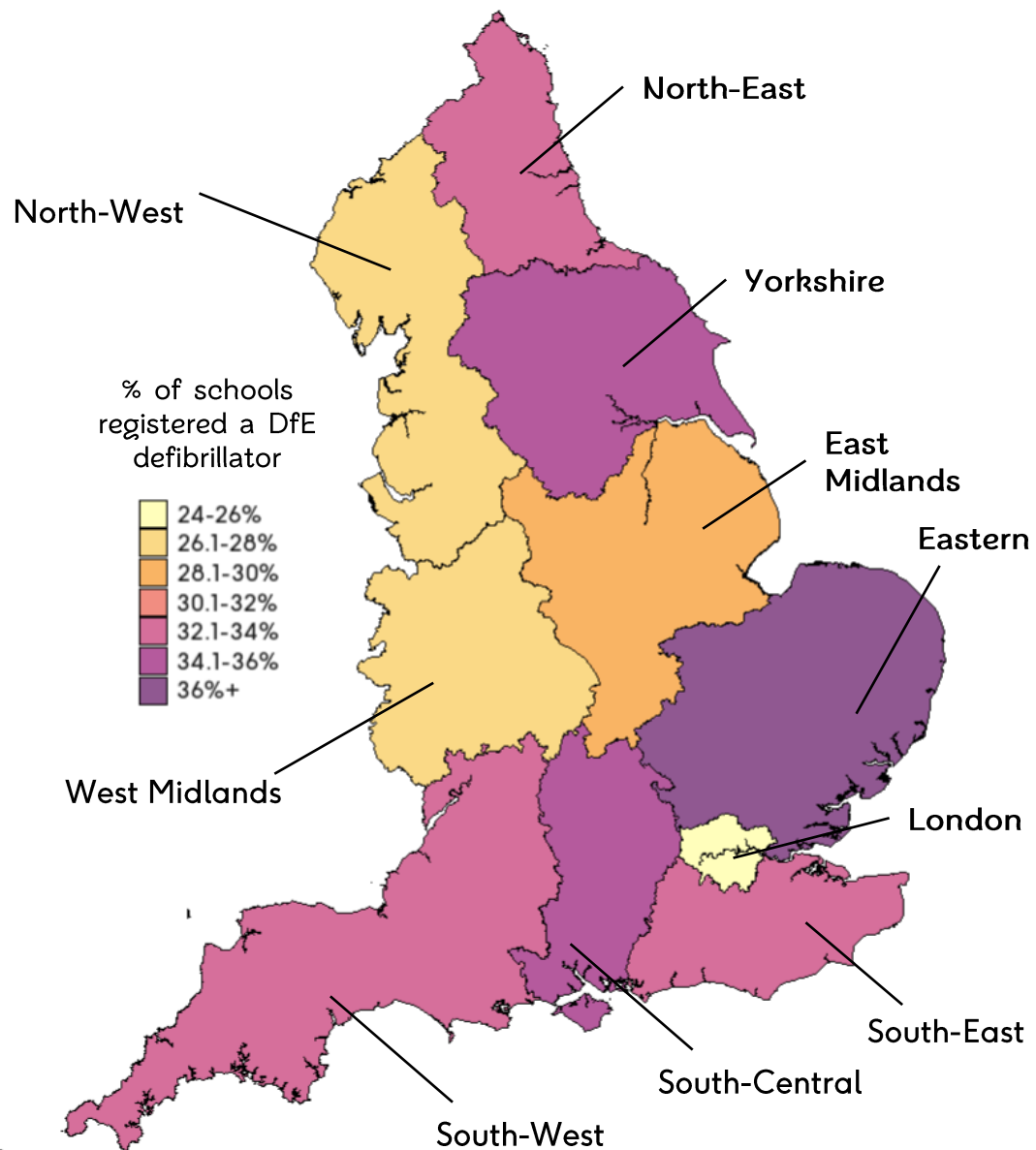
44.6 defibrillators per 10,000 population in Powys

Lowest defibrillators per 10,000 population

3 defibrillators per 10,000 population in Waltham Forest

Data correct as of (1/04/2024)

NAHT regions – DfE Defibrillator registrations



NAHT Region	Number of schools that received a DfE defibrillator	Number of schools that have registered a DfE defibrillator	Number of schools left to register their DfE defibrillator	Total number of schools registered a defibrillator pre-DfE rollout	Total schools pre and post DfE rollout registered
East Midlands	1,924	550	1,374	397	947
South-West	2,037	660	1,377	600	1,260
Eastern	2,039	737	1,302	611	1,348
Yorkshire	1,761	626	1,135	508	1,134
North-East	926	307	619	189	496
South-East	1,315	307	1,008	392	699
North-West	2,445	654	1,791	664	1,318
South-Central	1,381	470	911	493	963
London	2,074	511	1,563	356	867
West Midlands	2,037	568	1,469	705	1,273
Isle of Wight	36	20	16	24	44
Wales	-	-	-	479	
Northern Ireland	-	-	-	160	

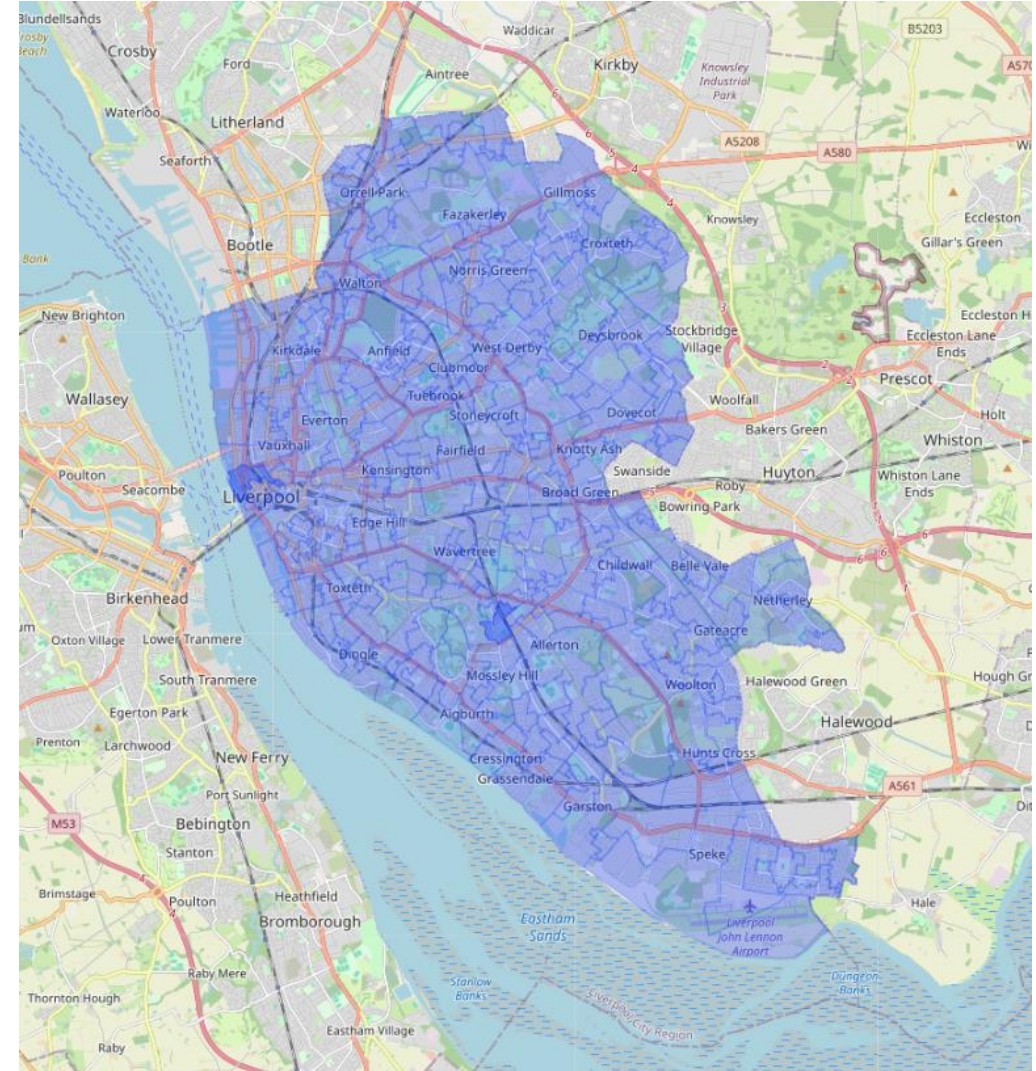
Data correct as 25/04/2024

Impact on health inequalities

How school registered sites can help – focused area

- Liverpool

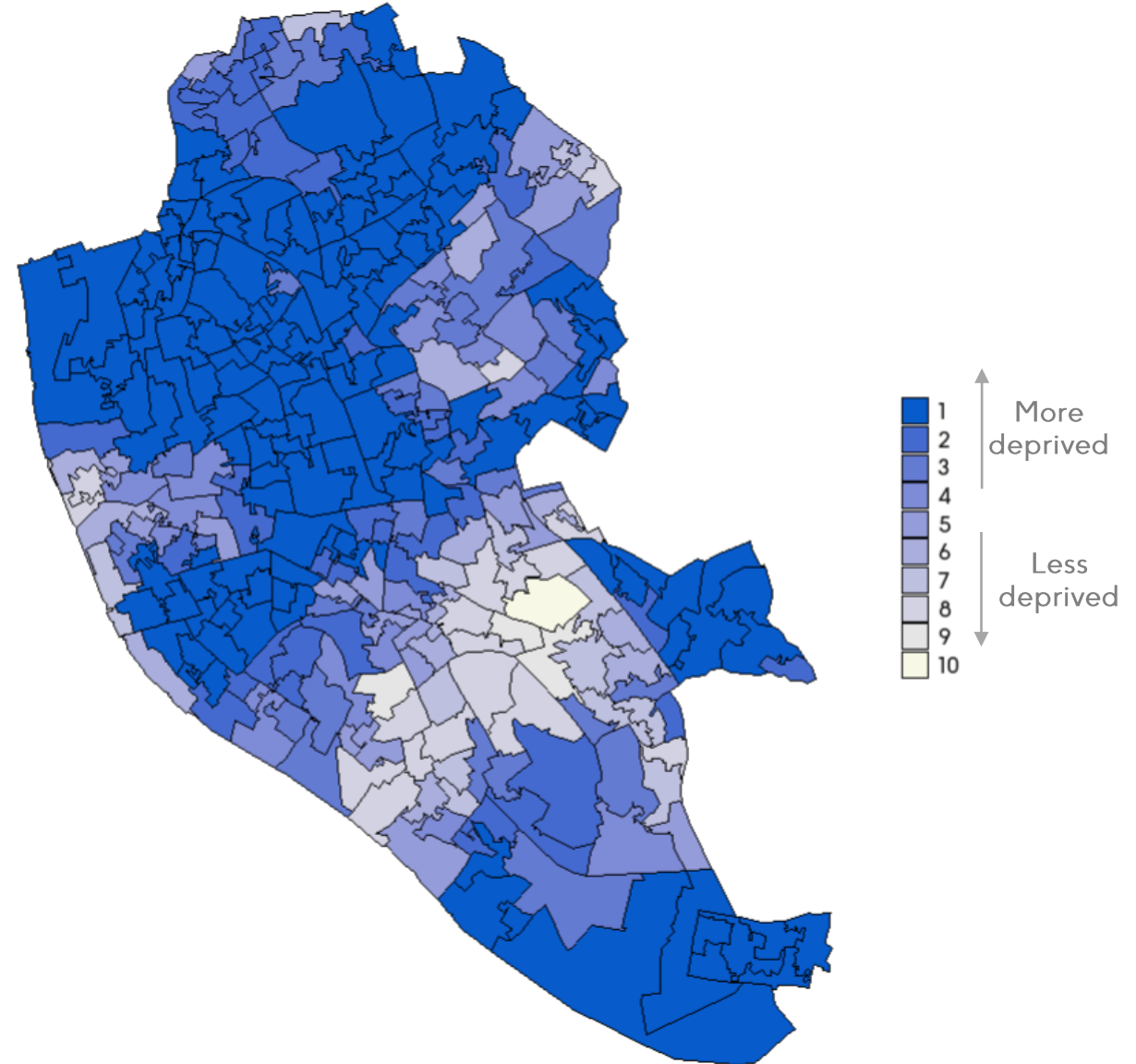
- Liverpool local authority area currently has 275 defibrillators registered on The Circuit
- Liverpool has one of the lowest number of defibrillators per 10,000 in England at only 5.4 defibrillators per 10,000 population



Impact on health inequalities

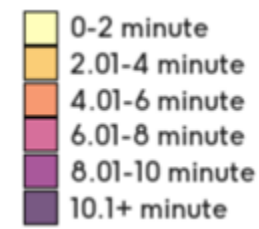
How school registered sites can help – focused area – Liverpool

- 49% of Lower Super Output Areas (LSOAs) in Liverpool are in the 10% most deprived areas in England
- Only 16% of LSOA's are in the top 50% least deprived areas in England
- The Circuit data has shown that areas of greater deprivation have less accessibility to defibrillators

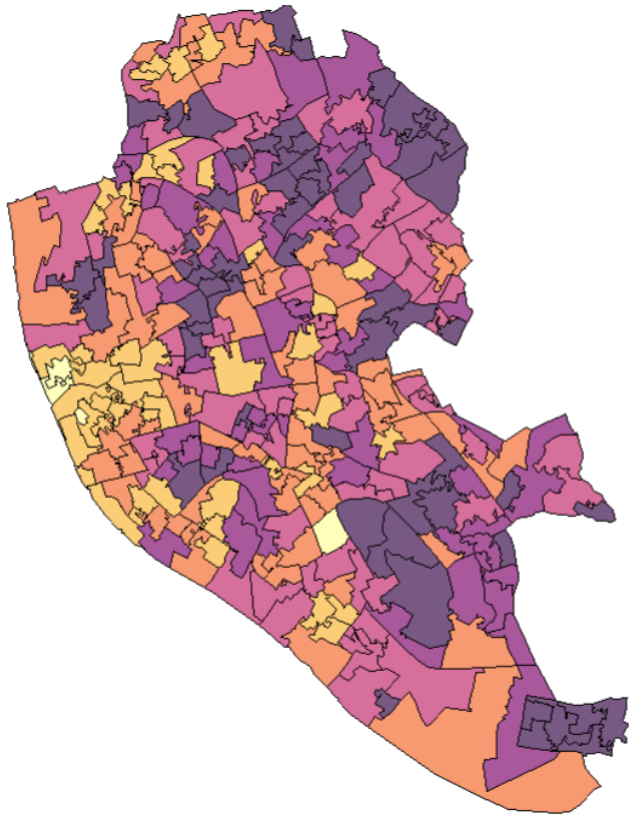


Impact on health inequalities

How school registered sites can help – return time to retrieve a defibrillator in Liverpool

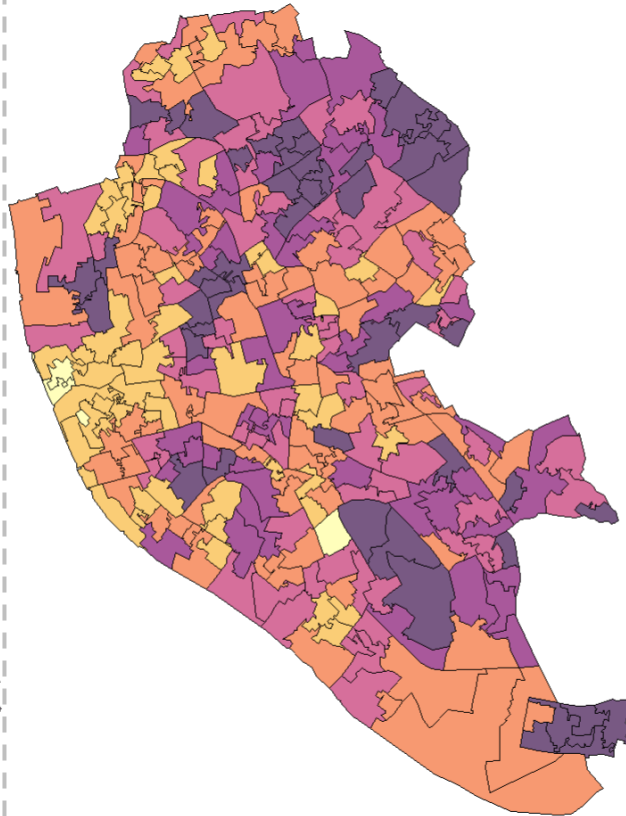


Current situation



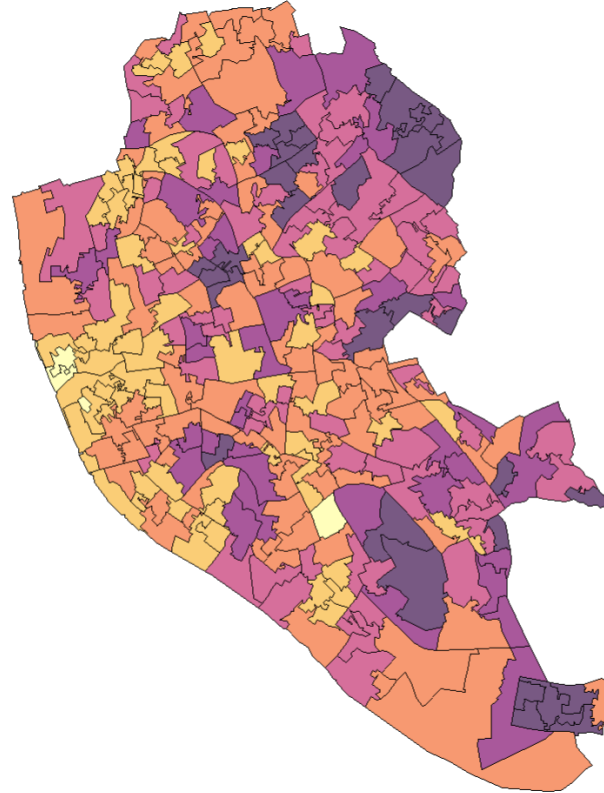
Mean time for retrieval of defibrillator: 8.0 minutes

Current situation + 25% of DfE school sites registered (n = 34)



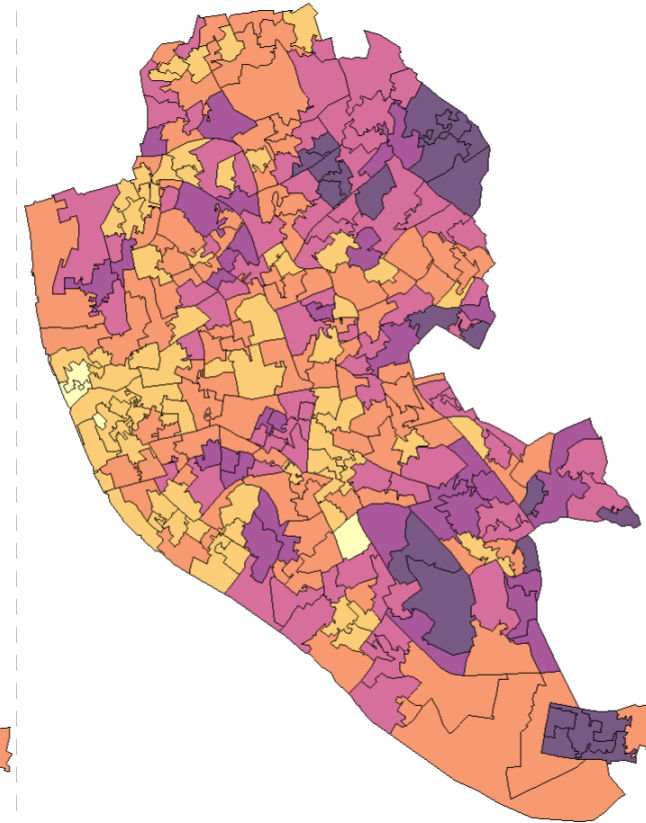
Mean time for retrieval of defibrillator: 7.3 minutes

Current situation + 50% of DfE school sites registered (n = 68)



Mean time for retrieval of defibrillator: 6.8 minutes

Current situation + 75% of DfE school sites registered (n = 101)

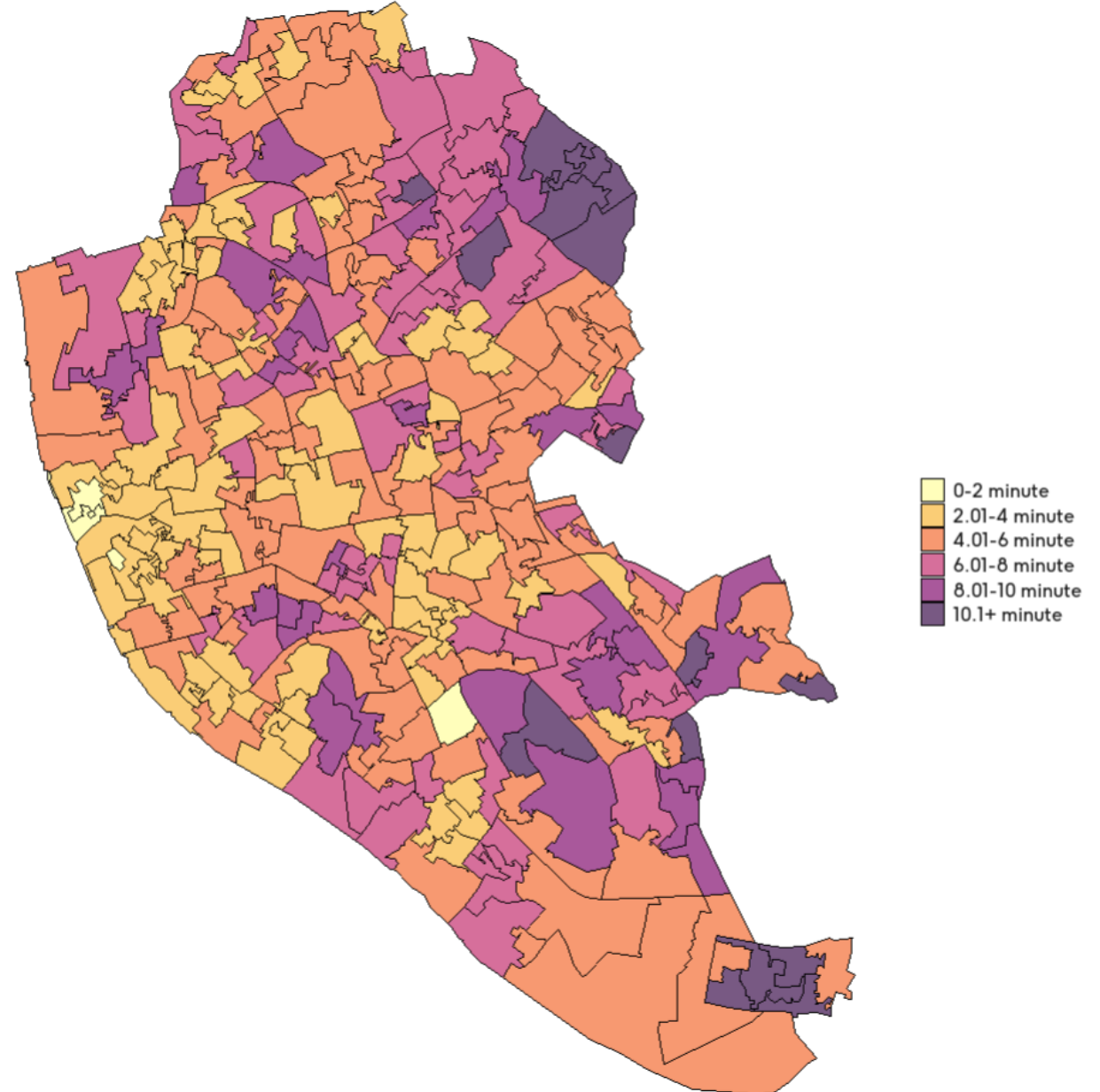


Mean time for retrieval of defibrillator: 6.2 minutes

Impact on health inequalities

How school registered sites can help – return time to retrieve a defibrillator in Liverpool

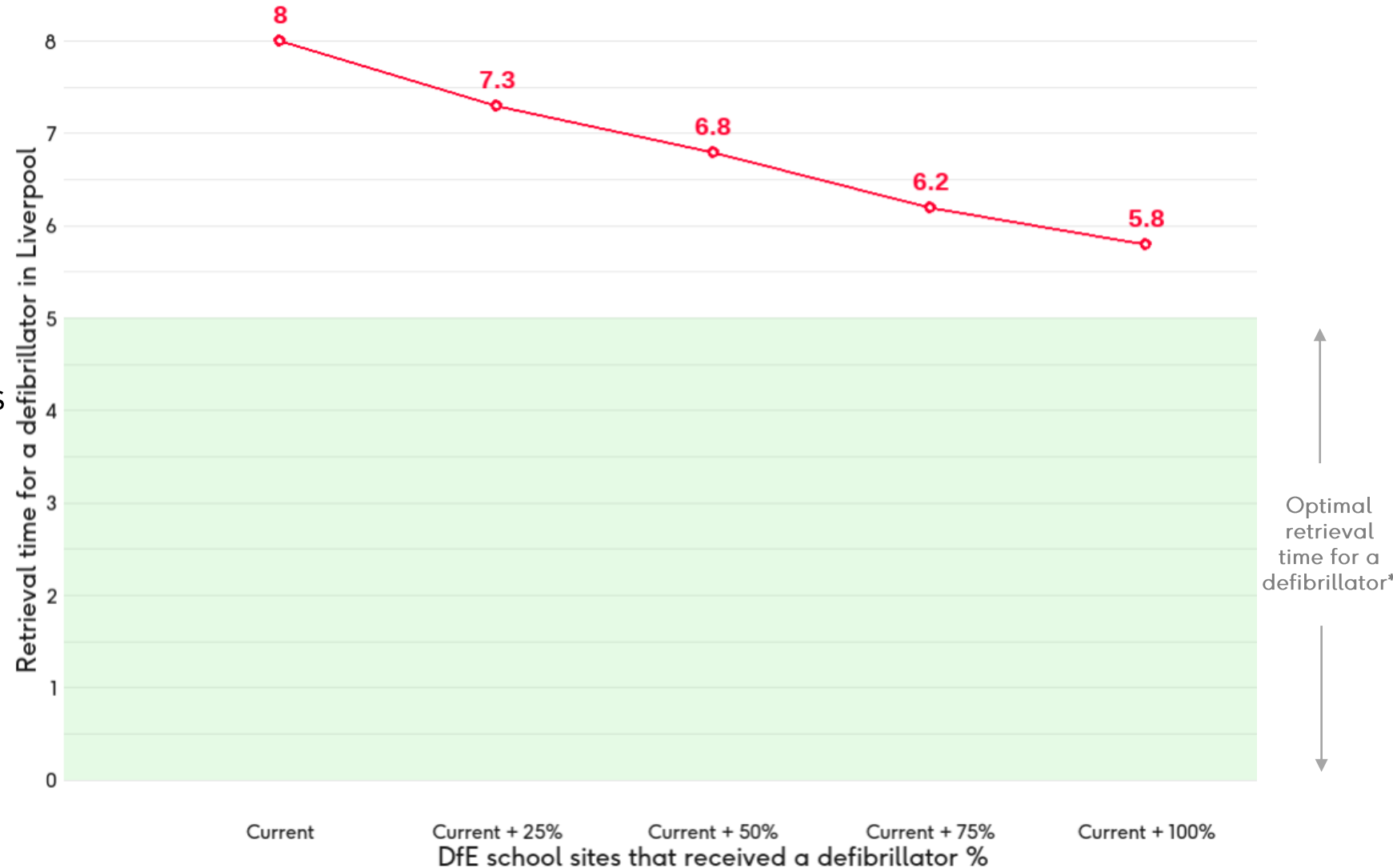
- If 100% of DfE school sites that received a defibrillator (n = 135) have their defibrillator registered the mean time to retrieve a defibrillator in Liverpool would be 5.8 minutes
- Increase in the number of defibrillators per 10,000 from 5.4 defibrillators per 10,000 population to 8.4 defibrillators per 10,000 in Liverpool



Impact on health inequalities

How school registered sites can help – reduction in return time to retrieve a defibrillator in Liverpool

- If 100% of DfE school sites that received a defibrillator (n = 135) have their defibrillator registered the mean time to retrieve a defibrillator in Liverpool would be 5.8 minutes
- Increase in the number of defibrillators per 10,000 from 5.4 defibrillators per 10,000 population to 8.4 defibrillators per 10,000 in Liverpool

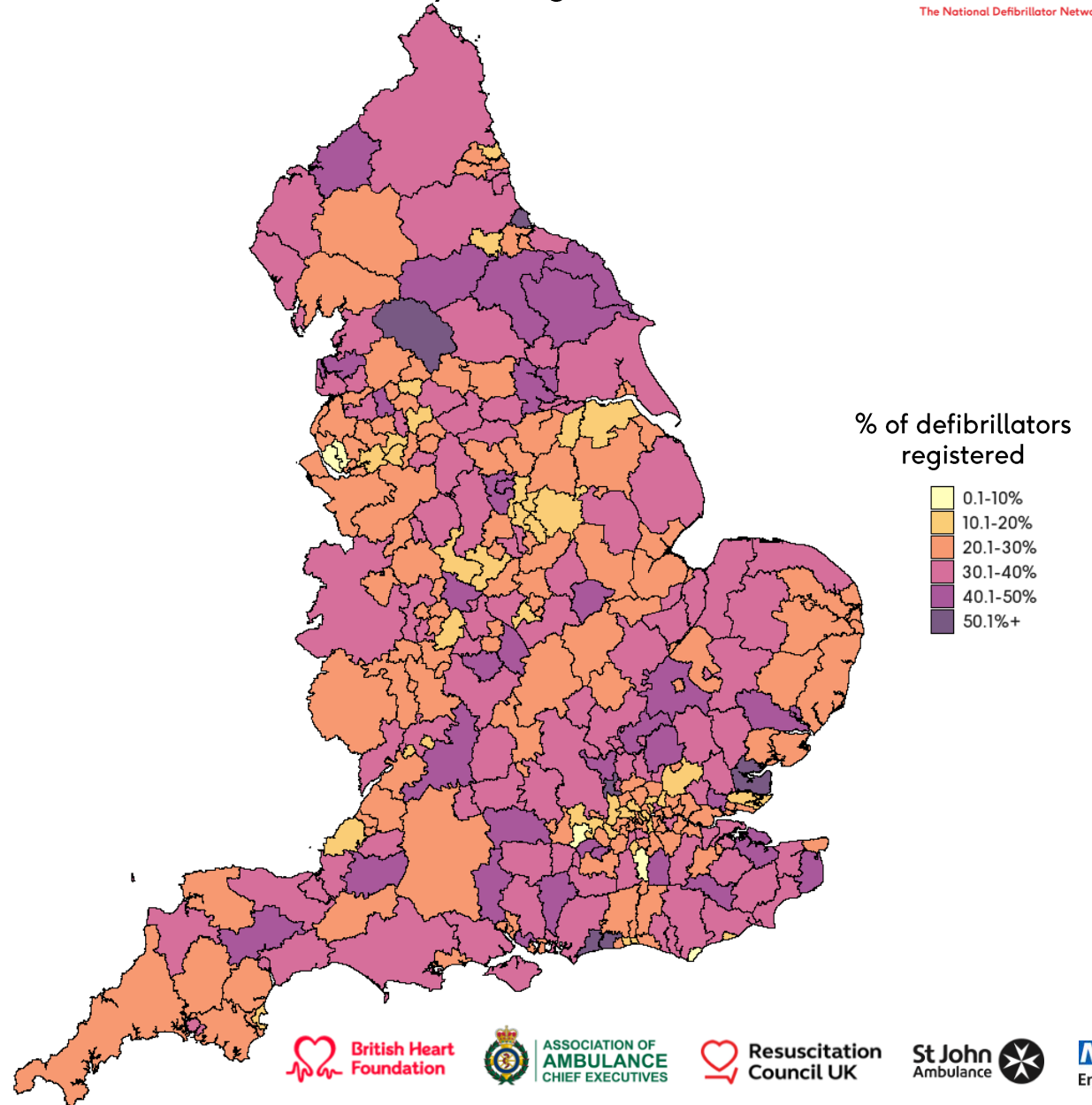


Schools

% of defibrillators rolled out to schools by DfE that have been registered on The Circuit by Local Authority in England



- Only 5 local authorities have greater than 50% of schools register their DfE supplied defibrillator
- Poor registration in the North-West particularly in and around Liverpool (only 9 schools out of 158), as well as Norfolk, Yorkshire, Midlands and South-West



Stuart's story

Help save lives in your community
Register your defibrillator today
The Circuit – thecircuit.uk

My son Ethan was
just 15 when he had
a cardiac arrest
on the school
playing field

Can the ambulance service see your nearest defibrillator?

You can see your nearest registered defibrillators here:

[Defibfinder.uk](https://www.defibfinder.uk)



Thank you for your support

FAQs

Does my defibrillator need to be available 24/7 to register?

No - they don't We recommend that defibs are placed outside in unlocked cabinets available 24/7 where possible.

However, defibrillators can be registered for the hours and periods that they are available. Whether shop hours, school time – it could still make the difference for someone and their loved ones

How often do I need to check the defib?

We recommend that you check that your defibrillator is emergency ready at least once every three months.

Can I share the responsibility of looking after the defibrillator with someone else?

Yes you can. One person should be recorded as the lead Guardian however there the opportunity to assign a support Guardian.

More information FAQs can be found on The Circuit home page

Useful links and contact info

The Guardian's Guide to The Circuit: www.bhf.org.uk/circuitguide

Org Admin Guide: www.bhf.org.uk/orgadminguide

Org Guardian Guide: www.bhf.org.uk/orgguardianguide

Myth Busters: www.bhf.org.uk/mythbusters

General Circuit contact: ndnsupport@bhf.org.uk

Organisation account: Sarah Black (blacks@bhf.org.uk) or Helen Tennant (tennanth@bhf.org.uk)

Marketing: Fiona Hopkinson (hopkinsonf@bhf.org.uk)

The Circuit: www.thecircuit.uk

DefibFinder: www.defibfinder.uk

