

**NHS**

North West  
Ambulance Service  
NHS Trust



# Out of Hospital Cardiac Arrest and the Importance of defibrillators

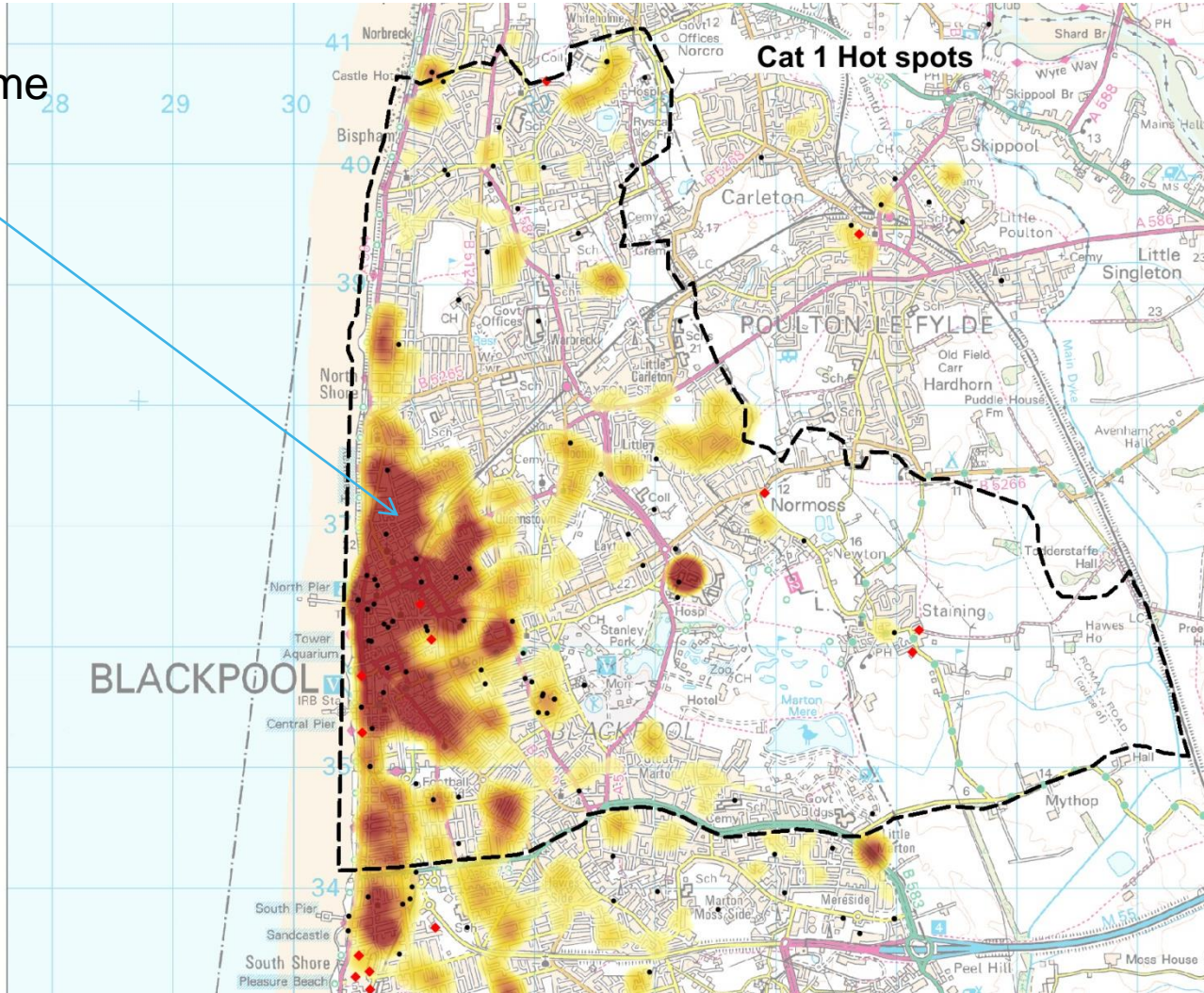
**Blackpool**

# Facts about Cardiac Arrest

- Electrical malfunction of the heart causing an Arrhythmia called VF
- Occurs any age, any time
- Over 30K occur OOH every year in the UK (Resus council UK 2017)
- 1 in 10 survive
- 14 children per week die of SCA
  
- Not a Heart attack

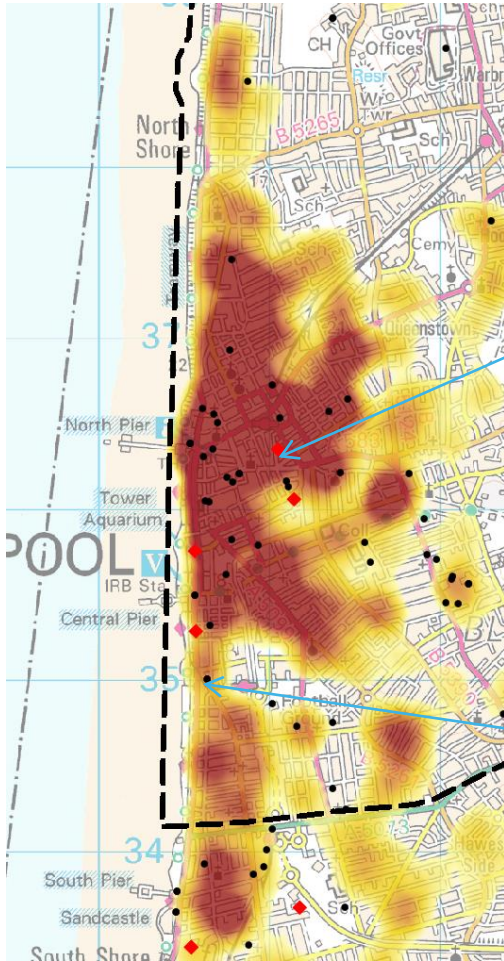
# Why should we care?

Large volume  
of 999 C1  
calls



Delivering the right care, at the right time, in the right place

# Why should we care?



Public access defibrillator (CPAD)



Static defibrillator (non 24/7)

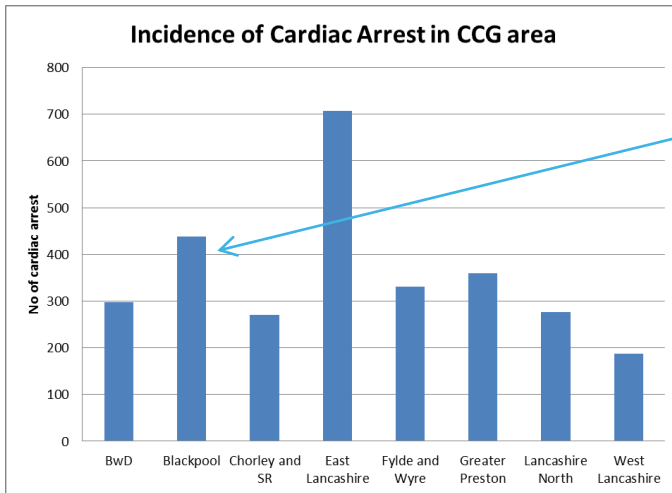


Delivering the right care, at the right time, in the right place

# Why should we care?

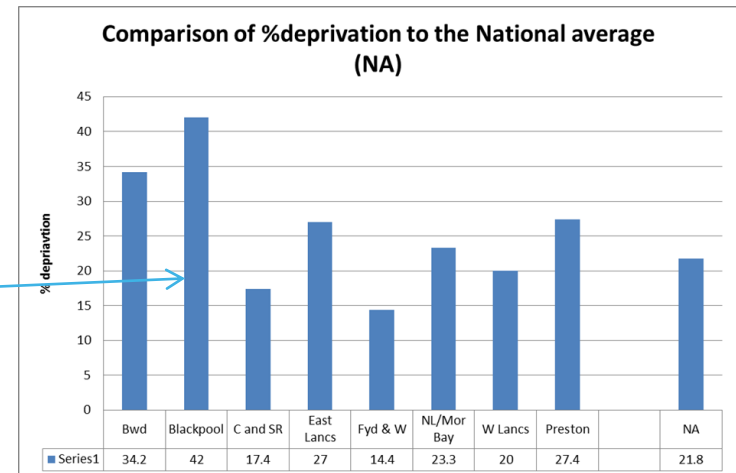
- 8 minute response times???
- Cardiac arrest worst medical emergency
- Survival rates are low without defibrillation
- Duty of care to our community?
- High footfalls= increased chance of Cardiac arrest
- They Save Lives

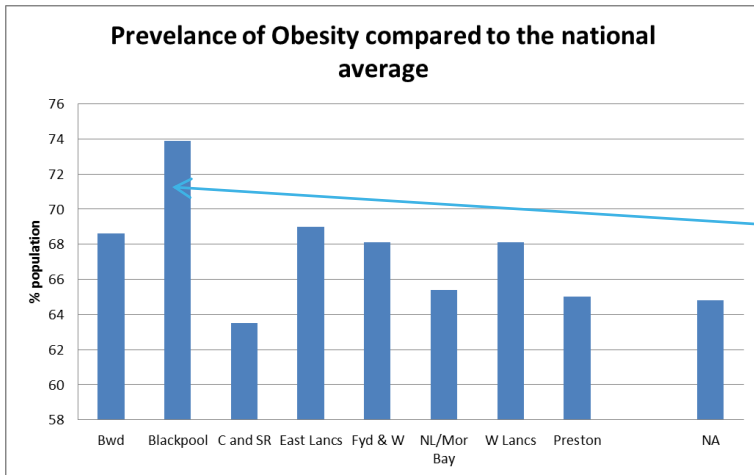
# Why should we care?



2<sup>nd</sup> highest no of cardiac arrest calls

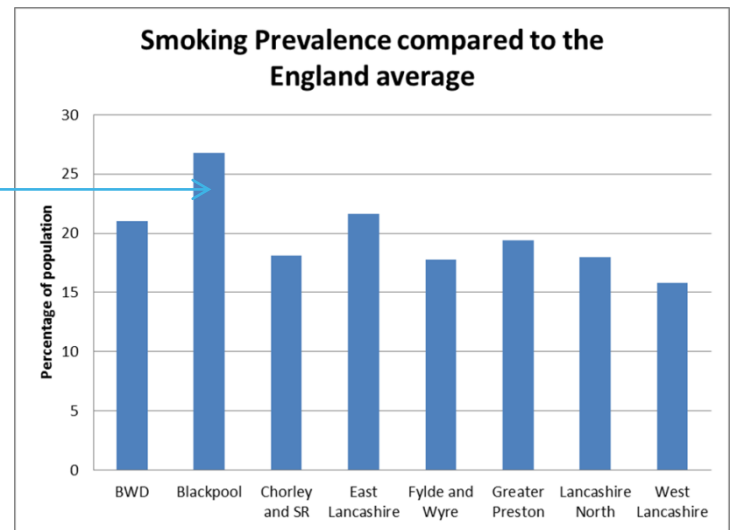
Highest deprivation rate- higher than the NA



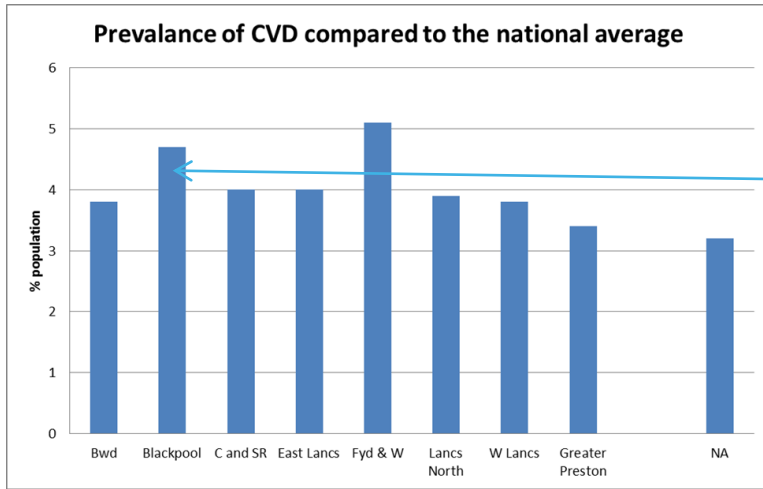


Highest Obesity rate

Highest rate of smoking

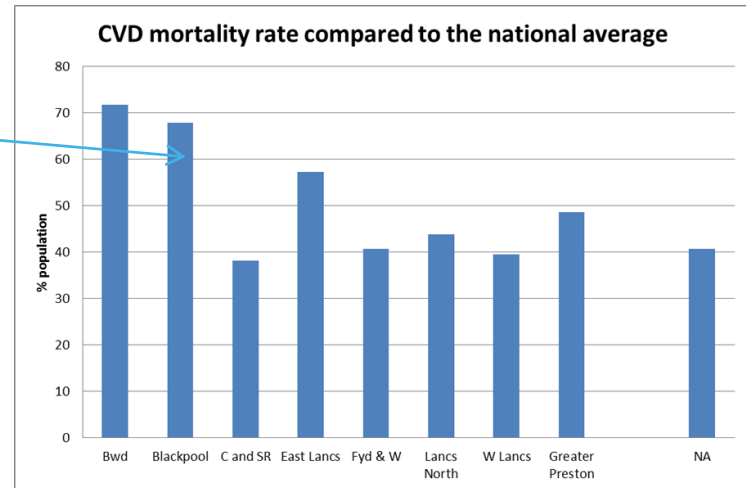






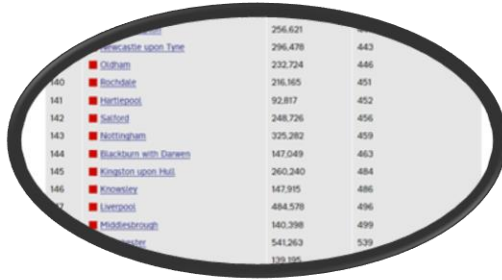
2<sup>nd</sup> highest  
Cardiovascular  
disease

2<sup>nd</sup> highest CVD  
mortality rate





# National Mortality Ranking



Red = worst

Orange = worse than average

Yellow = better than average

Green = best

Local authority	National mortality ranking	Population	Premature deaths per 100,000
<b>Blackpool</b>	150 <sup>th</sup>	139,578	549
<b>Blackburn With Darwen</b>	142 <sup>nd</sup>	146,846	449
<b>Lancashire</b>	90 <sup>th</sup>	1,191,191	372

Longer Lives highlights premature mortality across every local authority in England, giving people important information to help them improve their community's health

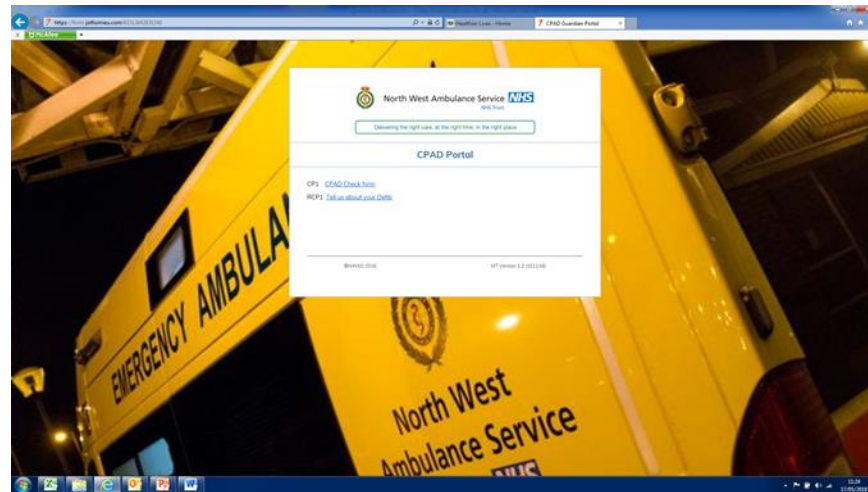
# What we can do?

## What is the process?

- Engagement with NWSAS to purchase and improve AED provision within 'hot-spot' high priority areas
- Purchase
- Placement/ installation
- Registration
- Guardianship

# Guardianship

- Owner to conduct weekly 'rescue readiness checks'
- Inform NWAS CPAD lead of any concerns
- Submit monthly online checks using portal



# What does a CPAD look like?



# Thank you