

# **Ready to Rescue:** A community-based initiative to improve paediatric life support skills



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## Background

Cardiac arrests mostly happen outside of hospital [1]. Bystander CPR can improve both neurological outcomes and survival in children [2], however only 15% of parents report having knowledge on what to do if their child needed CPR [3]. Children in low-income neighbourhoods are 33% less likely to receive bystander CPR [4]. Notably, Roehampton is one of the most deprived areas in England, with around 38% of children living in poverty [5]. As such, Ready To Rescue aims to target the need for free BLS teaching within deprived communities.

## Aims

- Improve basic life support skills through handson teaching
- Signpost and support access to local services
- Provide free supplies to support families

'Thank you for empowering us'

'You really are helping make such a difference for us parents'

### Structure

- Free courses every 2 months across Roehampton
- Advertised on social media and through Wandsworth Health Champions
- 2 doctors and 20-35 attendees per session
- Content: recognizing cardiac arrest, calling 999, performing CPR, recognizing and helping a choking child, teaching on common childhood emergencies
- Practical teaching with direct feedback
- Other: information on vaccinations, involvement of charities and support services, free supplies (food, baby formula, diapers, baby wipes)

## Results

>100 attendees so far; survey results from *n*=34:

- Nearly 30% unemployed, with around 50% facing health inequalities
- Only 12% had previous BLS training

## Conclusion

Survival following out of hospital cardiac arrest relies on early recognition and delivery of CPR from bystanders [6]. Instructor-led BLS training can improve skills and confidence in the community. Courses also offer an opportunity to support unmet needs in the community through charity input and signposting.









- 95% reported increased confidence at recognizing cardiac arrest and commencing CPR
- 100% reported expectations were met

#### **References:**

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[3] Resuscitation Council UK launches a free baby and child CPR book which will help save children's lives (2023) Resuscitation Council UK. Available at: https://www.resus.org.uk/about-us/news-and-events/resuscitation-council-uk-launches-free-baby-and-child-cpr-book-which-will (Accessed: 31 May 2024).

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[5] Indices of deprivation (2019) DataWand. Available at: https://www.datawand.info/indices-of-deprivation-

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## **Future direction**

- Target greater geographical area
- Use of interpreters
- Further charity input











