Take a Breather

STORES OF TO IMPROVE OUTCOMES FOR CYP with wheeze and asthma in TH

When I have a bad asthma day it feels like a monster!

January 2020, Rita Araujo, Katie Cole, Tori Hadaway on behalf of THT – Born Well Growing Well

Real drawing and quote by 5 year old boy.

www.towerhamletstogether.com #TH2GETHER



Tower Hamlets

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Delivering better health
through partnership

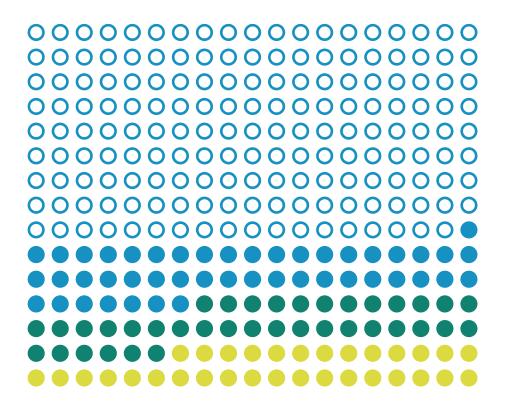
- One of the highest child and pensioner poverty rates in England
- One in four residents lives below the poverty line
- The average household income in our most wealthy ward is more than double that of our poorest
- Lowest (disability-free) life expectancy in London
- Third highest CO2 emissions in London



Tower Hamlets Together



 170 System leaders, researchers & professionals delivering services



Engage with Families & CYP Engage with system leaders & professionals delivering services Engage with Families & CYP **Co-Design with** Families, CYP, system leaders, researchers & professionals delivering services S Rapid Tests of Change

Plan-Do-Study-Act Cycles

System Leaders, Researchers & Professionals Delivering Services



- O Public Health CYP & Healthy Environments teams
- Health Watch Tower HamletsYoung Influencers
- Queen Mary University London researchers

Housing providers

- Quit Right Tower Hamlets
- Voluntary Sector organisations –
 Global Action Plan/ BBB Charity

- Clinical Commissioning Group
 CYP Integrated
 Commissioning & Finance
 Strategy teams
- Clinicians and Managers in primary care

Early Year settings (nurseries & children centres)

Tower Hamlets Schools

O Health Visiting - GPCG

Pharmacists

East London Foundation Trust
 Quality Improvement Team

Barts Health Trust

- School Health and Wellbeing -GPCG
- Clinical Effectiveness Group

Why Wheeze / Asthma?



Most Common Long Term Condition

Asthma is the most common long term condition affecting Children and Young People (CYP) in the UK (London Asthma standards for Children and Young people, 2015)

TH Context

South Asian families have:

- More difficulty in recognising severity of symptoms
- Higher levels of involvement of wider family
- Higher levels of stigma
 (Lakhanpaul et al. BMC Pulmonary Medicine, 2017)

Asthma Death

1:6 people in the UK do not know/unsure if the condition can be fatal

Yet rate of asthma deaths in the UK has increased by more than 20% in 5 years
(Asthma UK, 2018)

Spend

NHS spends around £1billion a year treating and caring for people with asthma (Asthma UK, 2016)

Quality of Care

Of CYP who died, only 4% were offered good quality care (National Review of Asthma Deaths (NRAD), 2014)

65% of people with asthma are not receiving the basic care in the UK (Asthma UK, 2018)

There is clear evidence that to reduce deaths quality interventions need to be placed – especially for those who are at risk of an asthma attack or/and attended acute care (NRAD, 2014)

THT BWGW Wheeze/Asthma Programme



THT BWGW Wheeze/Asthma Programme





Asthma/Allergy Friendly Schools



Intervention

Co-designed with families/CYP/SENCOs – group consultation for all CYP with a salbutamol inhaler in school (189 CYP attended to date)

Developed guidance on asthma/allergy

Feedback

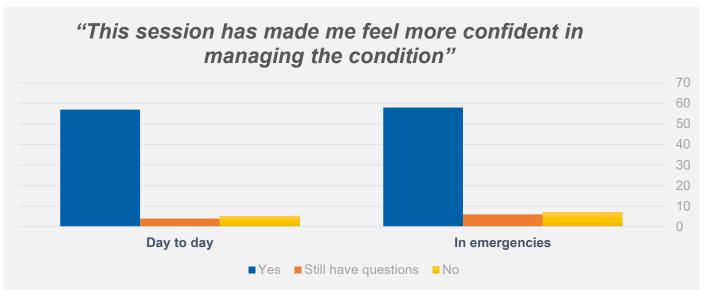
Confirmed increase in understanding of condition and confidence to manage condition

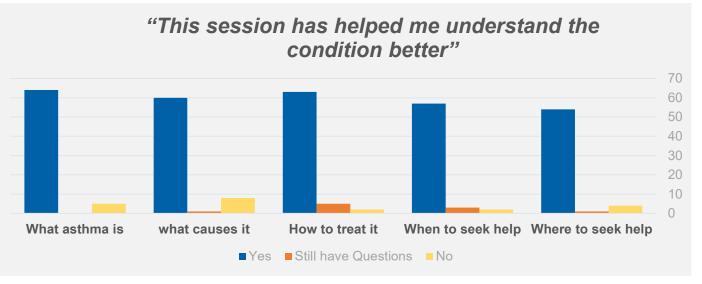
Outcome to date

189 CYP: 65% wrong spacer; 60% no Action Plan

46 children risk of asthma attack (ACT score) Referred into High Risk Clinic

- 71% had not been seen by GP in last year
- 74% wrong spacer (device to deliver medication)
- 57% had no asthma annual review in last year
- 98% had no contact with AE/admission in last year





2 High Risk Clinics



Intervention

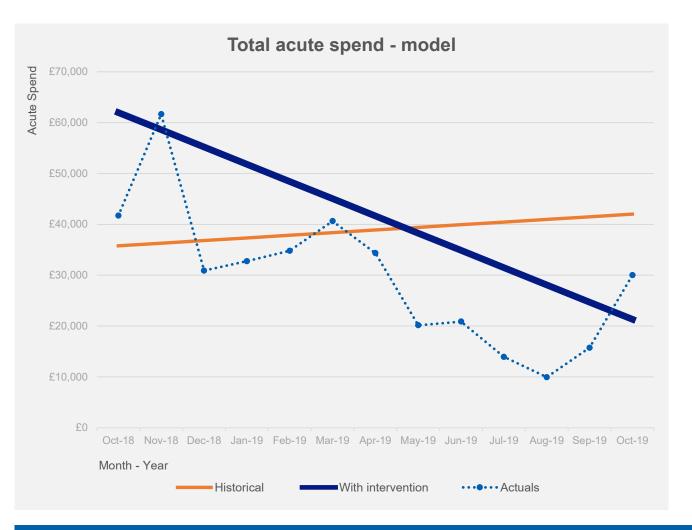
8 network clinics for CYP with wheeze and asthma who attended AE twice or more or/and had an admission (814 reviewed to date)

Feedback

"Likely" or "extremely likely" to recommend service. Informative; Promote self-care; New approaches; One to one; Setting

Outcomes to date

56% identified at risk of asthma attack
36% required a change in medication/spacer
68% had no Asthma Action Plan
65% reviewed twice had peak flow improved
92% reviewed twice ACT scores improved



▶ 19/20 estimated gross saving: £142,691

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Air Quality Programme



Intervention

Co-designing materials with families/CYP on reducing exposure to air pollution

Developing (with clinicians) and testing educational session targeted to health professionals – over 80 health professionals feedback

Developing smoking cessation pathways between agencies e.g. Barts Health Trust and Quit Right TH

Co-designing, with mothers, letters for smoking cessation advice

Development of template (with clinicians and housing colleagues) for community clinicians to highlight concerns with Housing providers

Revision of Air Text provision as not fit for CYP

Outcomes to date

Increase in knowledge and confidence to discuss air quality with patients

Materials that are tailored to need

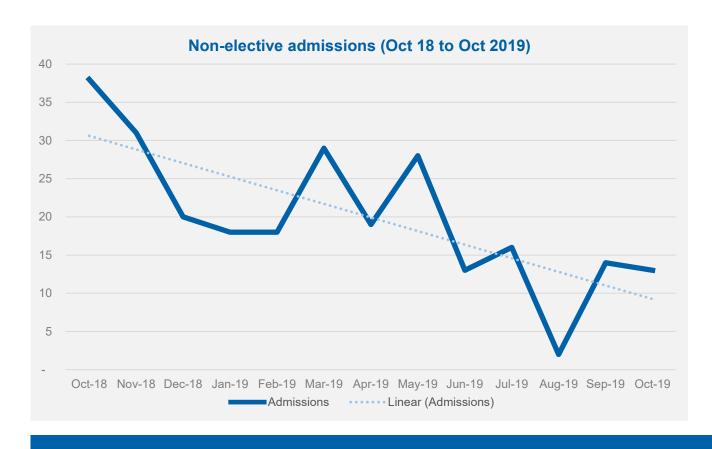
ir pollution can worsen asthma s rheezing and breathlessness. The	
Discover the side streets	Use quieter roads and paths to keep away from heavy polluting traffic.
Leave the car behind	Encourage your whole family to walk, cycle and scoot more.
No., May	Find out what tomorrow's air pollution levels will be: londonair.org.uk.
Turn the engine off	When you do need to use a car, ask the driver to turn the engine off when the car isn't moving.
Keep the air clean inside too	Use fragrance free and low- chemical products. Stop air pollution collecting in your home by using extractor fans and opening windows away from busy roads.

My air pollution plan:			
	On all days	On high pollution days	
I will use my inhaler as recommended by my GP or asthma nurse			
I will treat air pollution the same way I treat other asthma triggers			
I will walk, cycle or scoot to school			
I will look up quieter routes to avoid roads with heavy traffic			
I will turn on the extractor fan when cooking			
I will swap my cleaning products to fragrance free options			
I will open the window when cooking			
I will open the window when cleaning			
We will always turn the engine off when our car is stationary			
If we paint, we will check it is labelled "low VOC"			
We will leave the car at home when we can			
I will ask people not to smoke in my home			
Tower Hamlets Together is the borough's vision of a seamless health and care experience for its citizens. The partnership is made up of local NHS Trusts, Tower Hamlets Council, the Tower Hamlets GP care group and the Council for Voluntary Service. This project is supported by the Mayor of Tower Hamlets.			
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Overarching Outcomes

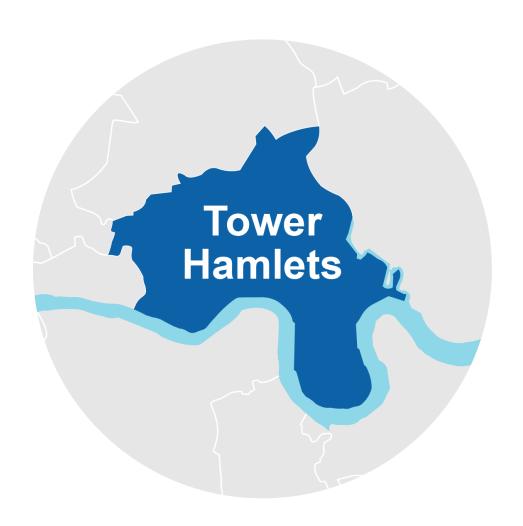
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- 2017 40% of CYP with diagnosis of asthma had an Asthma Action Plan
 >> 2019 - 75% of CYP with diagnosis of asthma had an Asthma Action Plan
- Number of CYP with diagnosis of asthma increased by 1% (2018 to 2019) currently at prevalence of 5%
- Identified 503 CYP who were at risk of having an asthma attack
- ACT scores improved for 92% CYP reviewed twice
- ▶ 757 professionals educated across the system with increase in confidence and knowledge levels



Our target of reducing non-elective/planned admissions for CYP with wheeze/asthma by 15% has been surpassed by reducing this by 65% in the last 12 months





Understanding of methodologies that assist collaborative work across THT such as QI





- Initiated NEL CYP Asthma Network
 - Agreed a single Asthma Action Plan template
 - IT system set up d/c letters to be sent to School Nurses
 - 1 Nurse >> 9





- Asthma Leadership Group
 - Shared business cases and innovative ideas/materials with all 3 London STPs
- Presented at London Events





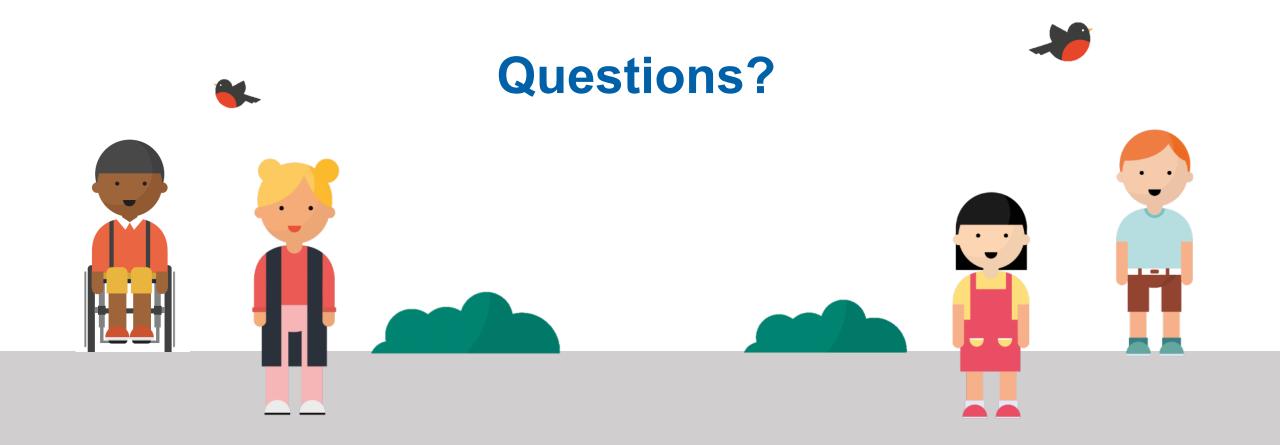
- HLP Health passport app piloted ambition: spread nation wide
- Asthma UK and Health Care Alliance UK to utilise designed materials and education sessions
- Committee on the Medical Effects of Air Pollutants currently revising information provided by Air Text to adapt for CYP
- Presenting at Royal College of Paediatrics Child Health conference in Liverpool





Presenting work to leaders/stakeholders across the world at International Conferences





Next steps



- Progress with YP Asthma App
- Implement the materials and education sessions developed in air quality programme
- Build on existing partnerships with colleagues in housing – education sessions housing providers
- Expand Asthma Champion membership
- Build on Incentive Scheme developed for primary care for 20/21
- Quarterly "Asthma Together" meetings from April 2020



Challenges/risks & mitigation



Working across organisations/in partnership

Senior sponsorship and support

QI approach where key leads from organisations dedicated 1h of their time every 2 weeks to meet

Strong lead with trusting relationships across the system

Interoperability

Engaged with families, children and young people

Deep dive analysis for specific areas of work (e.g. high risk clinics)

Manually collected data

Improved data sharing agreements (e.g. BIU Barts Health Trust identifying high risk patients weekly)

▶ Short term funding

Permanent funding secured by:

- utilising data to confirm the impact of the asthma nurse in high risk clinics as well as prevention through school interventions (e.g. Asthma Community Nurse)
- · QI methodologies

Investment required for materials but implementation will be done by system stakeholders (e.g. leaflets on air quality)

Engagement with young people

Engaged with "young influencers" locally who engaged with young people and created a WhatsApp group for feedback

Interventions that might not work

Utilised QI methodologies through a rapid test of change approach to quickly realise what would not work e.g. discussions about smoking cessation in a children centre setting, women would giggle/ feel embarrassed to discuss this/ sessions after school – majority reported they would be in mosque, to please do in school time

Themes – Engagement with Families



- Lack of information from health professionals, need for holistic approach, review after hospital attendance valued
- Air Pollution interface
- Creating asthma awareness needs to be system wide, written and verbally
- Management in Schools good place for peer support, lack of awareness/knowledge

