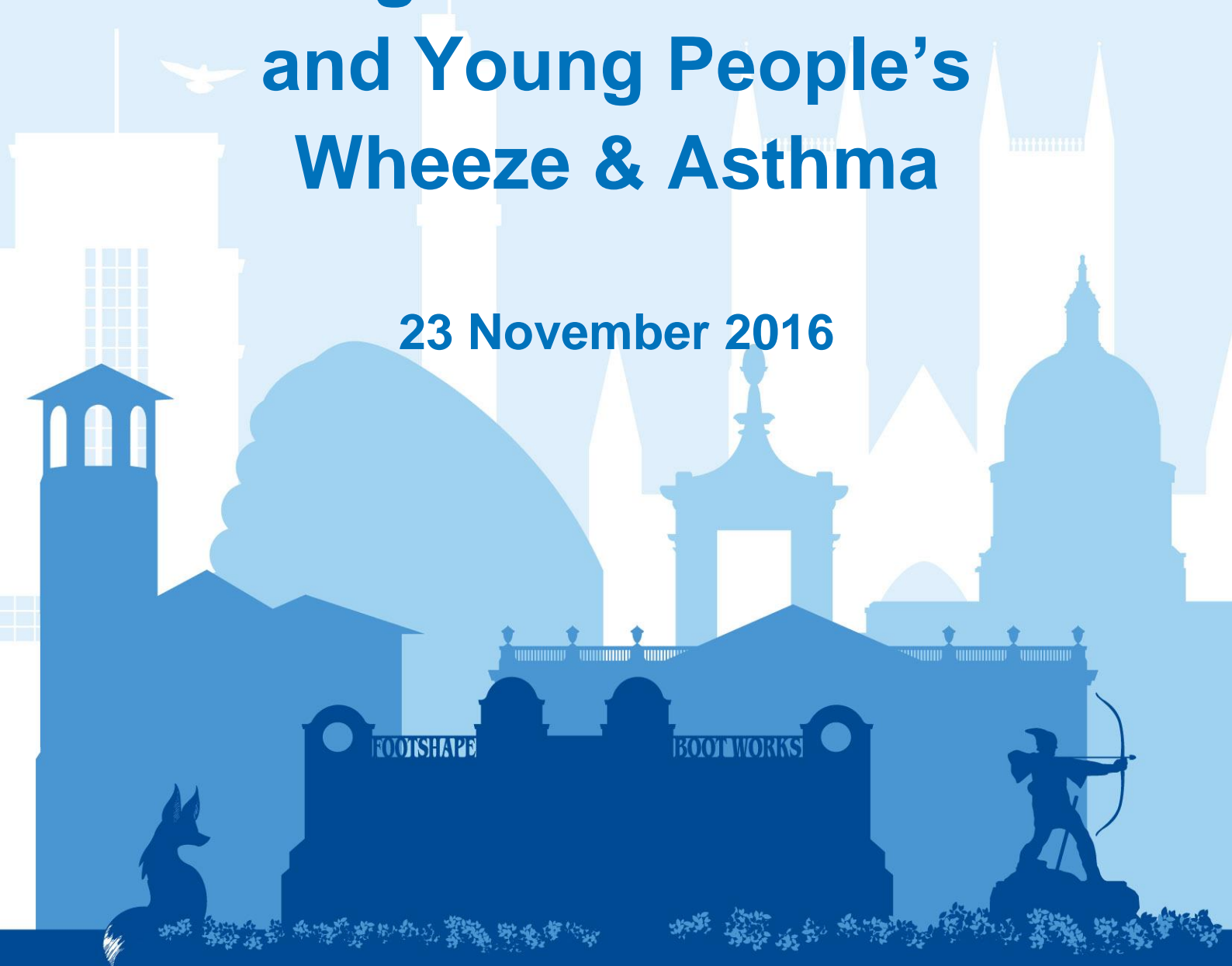


Post Event Report:

**Primary Care Regional
Training Event for the
Management of Children
and Young People's
Wheeze & Asthma**

23 November 2016



Background

Nationally there are Increasing numbers of Children Young People (CYP) who are attending our Emergency Departments. This picture is also reflected within the East Midlands, with a financial cost to CCG's. Despite this knowledge, we continue to be alarmed about children's health outcomes in the UK for many common and long term conditions. The overall UK childhood mortality is higher than comparative European countries and the key areas are relatively high infant deaths and deaths in CYP with long term conditions (LTC) – asthma being the commonest LTC. The majority of deaths in CYP from asthma occur outside hospital.

Against this background general practice is overstretched and younger GPs and most practice nurses may not have had paediatric specific post graduate training. A recent asthma review recognised poor recognition of an 'adverse outcome' such as death was an important avoidable factor in 70% and 83% of CYP receiving care in general practice and 33% of CYP receiving hospital care.

Early local audit reflected lack of understanding in referral pathways for paediatric advice (2014/15)

Network response

The East Midlands Maternity and Children's Clinical Network therefore initiated work trying to help improve:-

- Primary / secondary interface and pathway communication
- Update of knowledge regarding common children's condition best practice management i.e. wheeze and asthma

After discussion with local providers, Health Education East Midlands leaders and CCG GP children's leads plus the Children's Emergency Department (CED) teams in Leicester, Derby and Nottingham Children's EDs and Hospitals a preliminary event was planned for 23 November 2016.

The event was planned to:-

- Offer small group teaching to GPs and Practice nurses
- Condition specific focus - asthma and wheeze
- Clinical scenario based teaching delivered by senior children's ED staff and GPs – establishing local links

Overall aims:

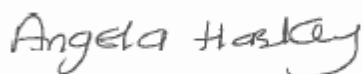
- To improve care and safety for CYP in East Midlands
- To identify those in need of urgent care from a Children's Emergency department (CED)
- To defer unnecessary ED attendances
- To update and refresh the knowledge of our East Midlands health care providers

The event was funded by the East Midlands Children's Network; there were no delegate fees and no speaker fees.

The event was fully booked within weeks of advertisement and was attended by twenty-five GPs and eight practice nurses. Evaluation was excellent with 97% of respondents scoring as good or excellent and with many of the delegates confirming they would be keen to attend similar events in the future



Dr Jane Williams. Children's Clinical Director, Maternity & Children's Network, East Midlands Clinical Networks & Senate



Angela Horsley. Head of Clinical Network, Maternity & Children's Network, East Midlands Clinical Networks & Senate

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Event Programme

Time	ITEM	Lead
13:00	Registration, Refreshments & Welcome	
13:20	Introduction with baseline assessment of CYP asthma knowledge	Dr Jane Williams Children's Clinical Director, EMCN
13:25	My Asthma - A Poem by Max Wright	Debra Forster Children's Respiratory, Allergy & Community Nurse Children's Clinic South NUH
13:30	Our Children's Health - the East Midlands perspective and national overview in care for CYP with asthma and acute respiratory conditions	Dr Damian Roland Paediatric ED Consultant Leicester Children's Hospital
13:50	The GP perspective - reality check.....	Dr Rajat Srivastava GP Lead EMCN
14:00 – 16:15	Interactive Workshops – 20 mins each (small groups of delegates to rotate)	
Work shop 1	The recurrent cough: Practical tips in diagnosis	Dr Phil Dykes ED Consultant Nottingham Children's Hospital
Work shop 2	Guideline Management of wheeze/asthma: Evidence update	Dr Damian Roland
10 mins	Refreshments	
Work Shop 3	The older child with an exacerbation of asthma	Dr Nigel Ruggins Consultant Paediatrician (resp) Derby Children's Hospital
Work shop 4	Inhaler technique in children - what, how, when and how much	Debra Forster & Rebecca Salloway Specialist Paediatric Respiratory Nurses
Work shop 5	Asthma Attack!	Dr Gisela Robinson Paed ED Consultant Derby Children's Hospital
16:15	Panel - Q and A Session	All participants
16:30	Post event questionnaire and feedback from the day - Certificates of Attendance	All participants
17:00	CLOSE	

Presentations

Presentations were emailed to delegates following the event. If you would like to receive copies of presentations please email ailsa.burton@nhs.net

Key messages for care providers

- Support your practice to implement Asthma Plans in all CYP with a diagnosis
- Ensure practice is familiar with MDI techniques in CYP
- Check inhaler technique each time you see the child for wheeze/asthma
- Spacer ! Spacer ! Spacer !
- Anyone prescribed more than one short acting beta agonist (SABA) per **month** should be identified and have their asthma urgently assessed
- Use of more than one SABA a **week** should prompt a review and step up in treatment
- Know your local equipment
- In moderate exacerbation of asthma give salbutamol via SPACER and mask
- Use 10 puffs of MDI for an asthma exacerbation in CYP
- Bronchodilators do not work in bronchiolitis due to pathophysiology i.e. No bronchoconstriction
- Young infants with wheeze are common and generally do not need escalating treatments for simple viral wheeze. A good history is key.
- Children less than 5 may need a trial of treatment or simply watchful waiting in the 'Probability Category'
- Vital signs must be recorded in children with acute wheeze
- Use Oxygen Saturation
- Give nebulisers in children with Sats <92%
- No response to first neb at the surgery? Keep giving until help arrives
- Do not send these children to hospital via their parents car
- Get the diagnosis right
- Role of steroids

Delegate evaluations

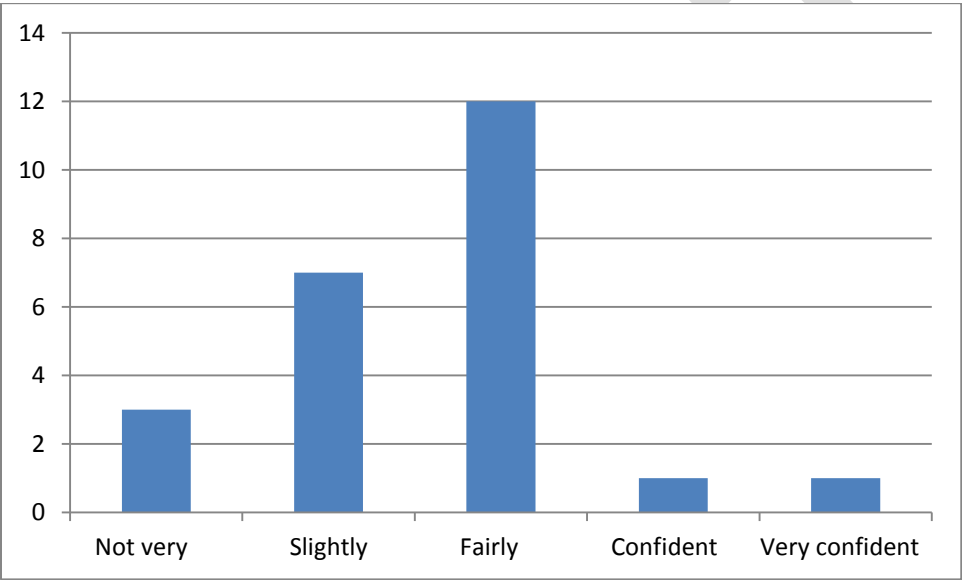
Overview:

We asked the following questions and have summarised the responses received

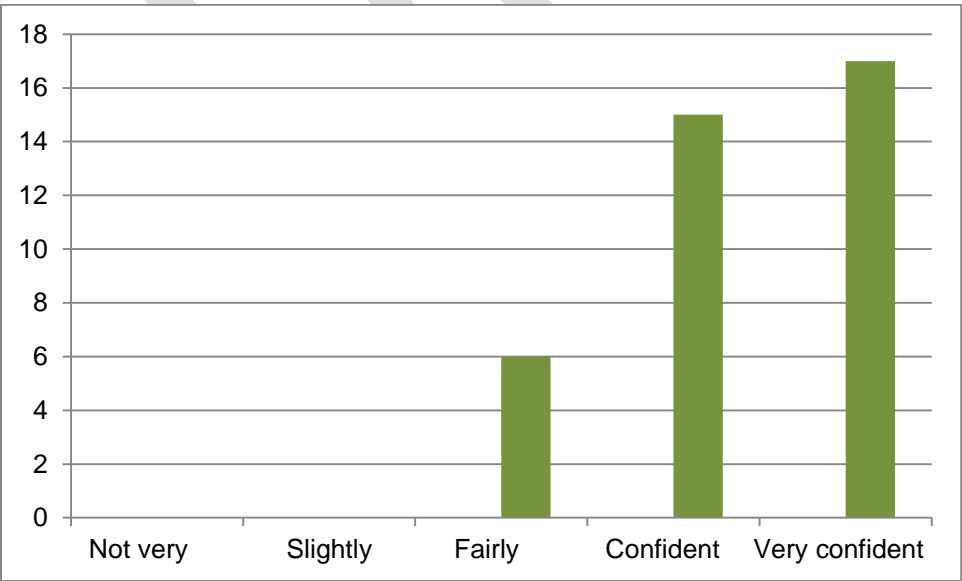
- 1. Did this event meet your expectations: **56% exceeded, 41% met** and 3% somewhat met
- 2. Please rate the event format: **63% excellent, 34% good** and 3% satisfactory
- 3. Please rate the quality of the teaching overall: **68% excellent, 29% good** and 3% satisfactory

We also asked delegates; overall **how confident they felt about managing CYP asthma.**

Pre event responses:



Post event responses:



Some of the other comments we received are summarised below:

- I thought it was very helpful. Just the right level as well. Ability to ask questions – very useful
- Might have been helpful to have the simulated sessions in a separate room
- Practical advice in GP setting
- Really helpful event – relevant, snappy, well-paced. Excellent format
- Excellent event covering almost all aspects of asthma & wheeze in CYP. Very well organised course squeezing everything in half day
- Liked the idea of having pre/post evaluation
- Good venue, well organised event
- Really good, excellent practical advice
- Excellent seminar leaders. Very practical
- Very good idea, very helpful
- Very informative meeting with an unusually high number of practices I will implement
- Would be good to do diabetes talk & mental health too
- Might be helpful to have some key slides available as print outs
- Felt a bit rushed during the workshops

All delegates apart from one said they would see benefit in a repeated event for GPs in the region

Summary

The event was well received and oversubscribed. The evaluation revealed in this motivated well trained group of delegates little CYP specific training in the last five years in one of the commonest childhood ailments – cough and wheeze and LTC of childhood. This finding alone warrants in my opinion further consideration in relation to providing accessible and relevant local training opportunities.

The choice of venue could be improved should future events be planned.

Both primary and secondary care providers in the EM were keen to work together and shared learning was enthusiastically supported.

The success of the event heavily relied on the contributions of the ED Consultants from three of our children's ED departments who gave their time and expertise.

Recommendations and next steps

The Clinical Network has proposed arranging similar events to East Midlands providers in key childhood conditions that cause the majority of attendances to CED – respiratory followed by fever and gastrointestinal problems.

The East Midlands Children's Network is in a good position to extend this training and host similar events – subject to a funding plan. We would hope to hold similar events within areas of the EM where providers may be harder to reach for a variety of reasons. This is currently being considered.

For any further information, please contact Ailsa Burton, Network Quality Improvement Coordinator on ailsa.burton@nhs.net

You can also find further information about the network on our website: www.emclinicalnetworks.nhs.uk

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