

Respiratory Surge in Children: National Programme – update webinar

17th November 2021





Webinar Agenda

Item No.	Agenda Item	Presented By	Timing
1.	Welcome and programme overview (10 mins)	Julie Combes	12:00
2.	Programme updates (10 mins)	Libby Thomas	12:10
3.	"You asked, we did" - new resource and updated skills matrix (15 mins)	Francesca Wright Laura Lowndes Jennifer Broadbent Timothy Hunt	12:20
4.	Q&A and close (10 mins)	Lydia Lofton	12:35



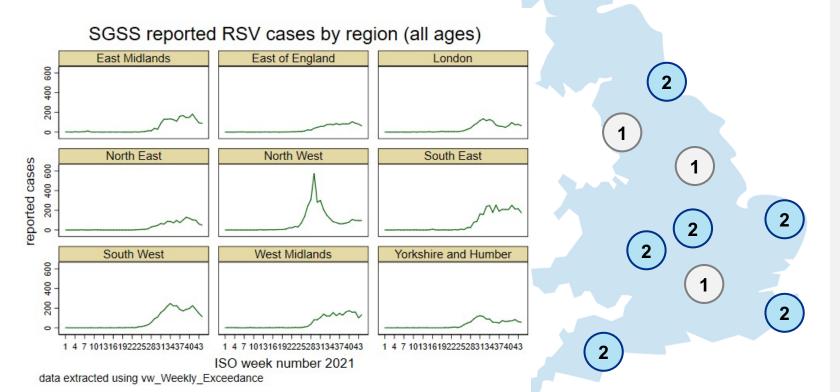
Programme Overview

Julie Combes





National Picture



Current RSV epidemiology(a)

Two generic patterns are broadly persisting:

- 1. N. West, London, York. & Humberside high initial peaks that have fallen back to lower level plateaus of continued significant activity
- 2. E. England, E & W Midlands, N. East, S. East, S. West peaked more slowly and are maintaining relatively high levels of activity^(b)

Data provided by UKHSA Joint Modelling Team, correct as of 10 November 2021

Note:

- (a) Caution should be exercised with short-term interpretation of case rates due to historical week-to-week volatility
- (b) Evidence of recent decline in cases in some regions may be observed, but this may be linked to breaks in the school term or pooled activity across the region.



Aims and Objectives

Aim:

To support the cross-skilling of the National NHS workforce to manage:

- Existing demand in children
- Potential future spikes in paediatric demand as a result of respiratory syncytial virus (RSV) and other respiratory illnesses in children
- Longer-term increasing paediatric acuity and demand in children

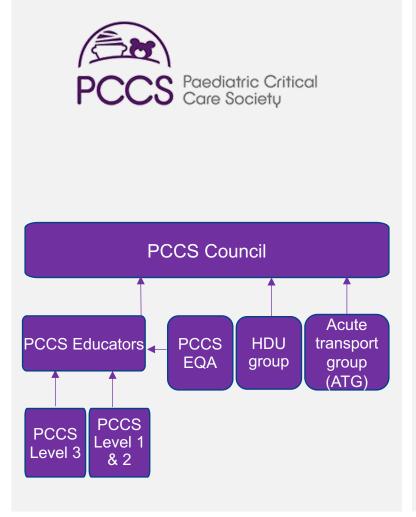
Objectives:

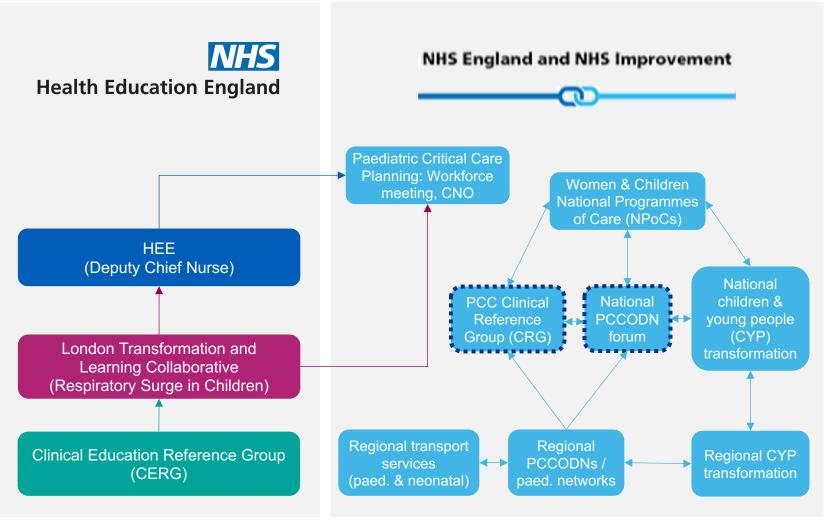
- Provide engaging and informative content through a digital modular education programme
- Promote wide-spread accessibility and inclusivity through multi-channel delivery
- Accommodate different skill requirements across all care settings (home, primary and community care and hospital care) through carefully curated content
- Optimise workforce and training innovations
- Summarise roles and essential skills required for the NHS Workforce to function in a surge model in paediatric care settings through a National digital skills passport





Governance and Interface





One-way flow of governance / reporting Two-way flow of governance / reporting

Not a governing body, informs / provides comms only



TOTAL



Summary of data



Microsite visits

29,538



Resources accessed

44,697



Resource users

2,570



Resources uploaded

334



Skills matrix downloads

3,824

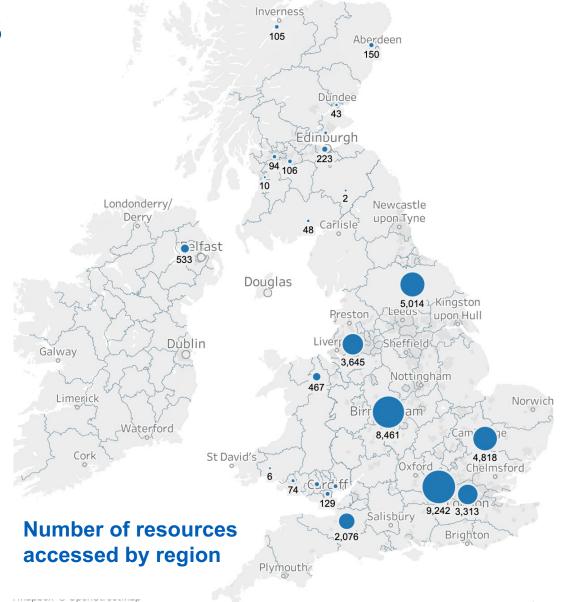
Note: (a) Programme launched 29th June 2021; (b) data correct as of 15th November 2021



Resource users and access

Country	Total resource users	Total resources accessed
England	2,111	36,569
N. Ireland	19	533
Scotland	98	895
Wales	83	932

Note: (a) Programme launched 29th June 2021; (b) data correct as of 15th November 2021





Programme update

Libby Thomas





Programme structure

210+ free open access educational resources available across multiple domains and levels of care



https://www.e-lfh.org.uk/programmes/respiratory_surge_in_children/

Levels of Care

- Primary & community care out of hospital
- Ward based / Level 1 care (Basic critical care)
- Level 2 (Intermediate critical care)
- Level 3 (Advanced critical care/PICU)

Staff Groups

- Doctors
- Nurses
- Physiotherapists
- Pharmacists
- Speech & language therapists
- Educators
- Support staff





Current resources

A wide variety of resources to support the learning of different users

Resource types



- Webinars
- Videos



Webpage/website/web blog

A Health Education England and NHS England and Improvement initiative

E-learning



- Infographic



Learning Categories



- 'At a glance' (≤5 mins)
- 'Bitesize learning' (5-30 mins)
- 'Time to think' (>30 mins)

Accessibility



- Strive to meet AA level based on WCAG guidelines
- Review and improve accessibility of existing resources
- Create new accessible resources





Feedback cycle

Evidence-based

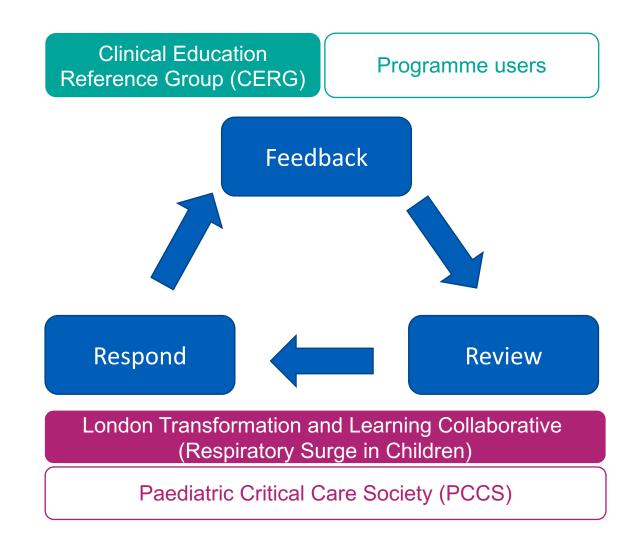
 Informed by care standards and competency frameworks

Co-developed

 Collaborative working with learners and systems

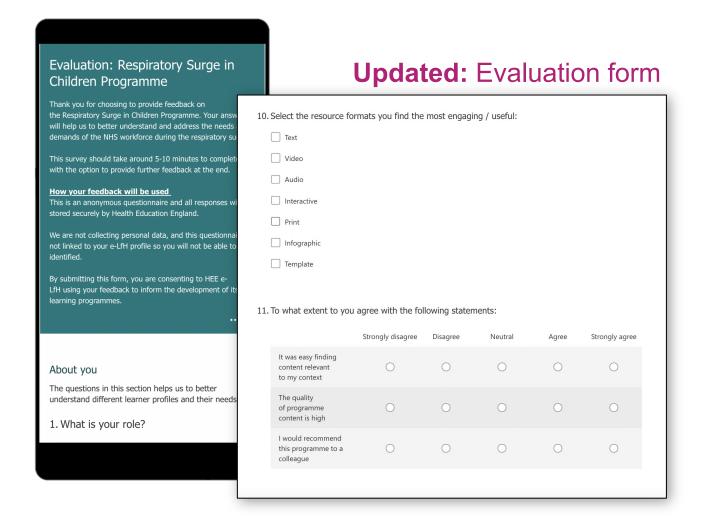
User-led

 Refine and evolve programme in response to feedback





Tell us what you think





Scan the QR code with your mobile phone camera to feedback on the programme

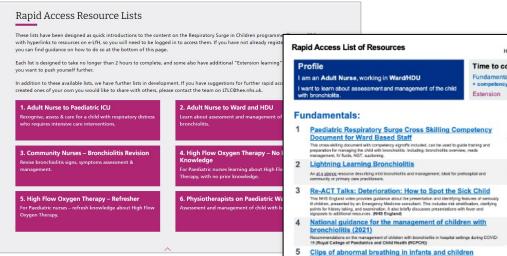


"You asked, we did..." New resources and updated skills matrix

Francesca Wright
Laura Lowndes
Jennifer Broadbent
Timothy Hunt



New: Rapid Access Lists



Key features

- Links to fundamental and extension learning resources
- Tailored to different staff groups and work contexts

NHS Health Education England Time to complete Fundamentals 2 hrs, 3 min Extension 0 hrs, 50 min Competency 60-120 3 min 10 min 10 min 10 min Short video clips from Healthier Together showing grunting, recession, croup, head bobbing, abdominal preathing, and a quick guide to counting respirations in a child and baby. (Healthier Together) Bronchiolitis case presentation: progressing through level 1, level 2 and level 3 care Webinar 41 min This presentation follows the case of a 17/40 ex-prem beby presenting with cough and coryza, it discusses the steps in escalation of care required from presentation to hospital to level 3 care. 7 High Flow Oxygen Therapy What is High Flow Oxygen Therapy? A narrated presentation covering how it works, when to start, flow Video 20 min and temperature, monitoring and documentation, nutrition and hydration, advantages and disadvantages, potential complications, and complex patients. [Yorkshire and Humber PCC OON] Medication considerations in acute bronchiolitis: PCCS Bronchiolitis Webinar 2.5 Webinar 21 min 9 Distraction in Action - Helping a Child During Medical A video showing different ways we can distract children and young people during painful or invasive 10 10 Thinks: A Message from Parents Infographic outlining ten key messages from parents and caregivers to their child's treating team. This Extension Learning: 1 Searchable Equipment Support Resource 2 Bronchiolitis Safety Netting This video from DFTB explores "New to safety net for bronshielits" This includes. The role of the paren When to discharge; Fleading; Wel nappies; High risk groups; Parental smoking; Come back if you're won'dd (Den't) Forget the Bubbles) 5 min 3 Top tips for managing the deteriorating patient whilst awaiting the retrieval service requires level 3 care in the DGH setting, what to think about, and how to manage the patient whits analing retrieval. A Health Coucation England and HHS England and Improvement initials

Developed lists

- Adult Nurse to PICU
- Adult Nurse to ward / HDU
- Community Nurse bronchiolitis revision
- High flow oxygen therapy (no prior knowledge)
- High flow oxygen therapy (refresher)
- Physiotherapists on paediatric wards

Proposed future lists

- Pharmacists
- GP (refresher)
- Speech and language therapists
- Support staff
- ODPs



New: AHP and community resources

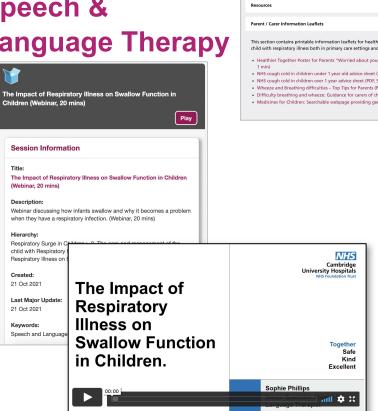
Physiotherapy



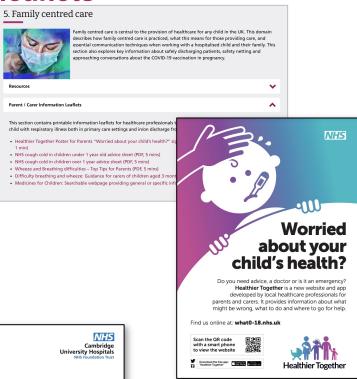
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A Health Education England and NHS England and Improvement initiative

Speech & Language Therapy



Parent / carer info leaflets





New: Educator resources and competency docs

Educator Resources

This domain provides resources for educators and trainers to use in the local workplace. These include competency documents, guidelines, simulation scenarios, and presentation slide decks. They cover a wide variety of topics relating to the respiratory surge in children programme. Feel free to use them as they are or to inform and inspire your own resources. N.B. it is good practice and polite to retain the acknowledgements of the original authors who have shared these with us, so please do so.

We are still collating and creating resources and would appreciate you sharing any relevant resources; feedback on the resources already available is also most welcome (please see the 'How to give your feedback' section below).

Resources

Competency Documents

- High Flow/High Velocity Oxygen therapy competency document (PDF, 60+ mins)
- Medicines Management and IV Fluid Calculations Workbook (PDF, 60 mins)
- Nasogastric Tube Insertion and Management Workbook (PDF, 60 mins)
- Staff paediatric tracheostomy competency (GOSH) (PDF)

Clinical Guidelines

• Clinical Guideline: Paediatric Oxygen Therapy (University Hospitals Bristol & Western NHS Foundation Trust) (PDF, 10 mins)

Simulation Scenarios (please submit, we would love to share)

Slide Decks (please submit, we would love to share)

Unit Conversion

Every year medication errors occur, many of which are attributable to incorrect medication doses with until conversion errors being the most common (Department for Education and Skills / Opeartment of the Harble 2004, National Patient Safety Agency 2007).

Care must be taken if a drug is prescribed in a different unit of measure to the dispensed unit. For example if 400 micrograms of a drug is prescribed and is only available in ampound to the controlling 4mg/mL, calculating the amount to be administered requires both the dose and

drug strength to be converted to the same unit of measure.

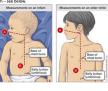
Units of Measure and Converting Units of Measure

	Unit	Abbreviation	Conversion
Weight	kilogram	Kg	1000 grams
	gram	g	1000 milligrams
	milligram	mg	1000 micrograms
	microgram	Never abbreviate	1000 nanograms
	nanogram	Never abbreviate	
Length	Meter	M	100 centimeters
	centimeter	cm	100 milimeters
	millimeter	mm	
Volume	Litre	L	1000 millilitres
	Millilitre	ml	

Respiratory Surge in Children Enhancing capability in the care of the care of

If possible, tube should not be in inserted immediately after a feed to avoid vomiting

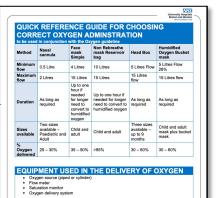
- Obtain verbal informed consent
- Select the appropriate size tube and prepare equipment. (NG Tube, pH strips, Duoderm and tape to secure, scissors, 20-50ml Syringe, PPE, working oxygen and suction)
- Measure the length of the NGT (NEX measurement) from nostril, to ear lobe to



- Wash hands and apply PPE, position patient- older children sitting, babies swaddled or being cuddled. Apply duoderm to face on side you will insert the tube (to prevent pressure mark)
- 5. Insert tip into patients nose
- Slide the NGT backwards, if possible ask the patient to swallow
 Insert the tube down until desired length is reached- if obstruction is felt, withdraw slightly

itate and try again

Respiratory Surge in Chili Enhancing copulably in the coof the unwell child



Resource suggestions

Email

LTLC@hee.nhs.uk

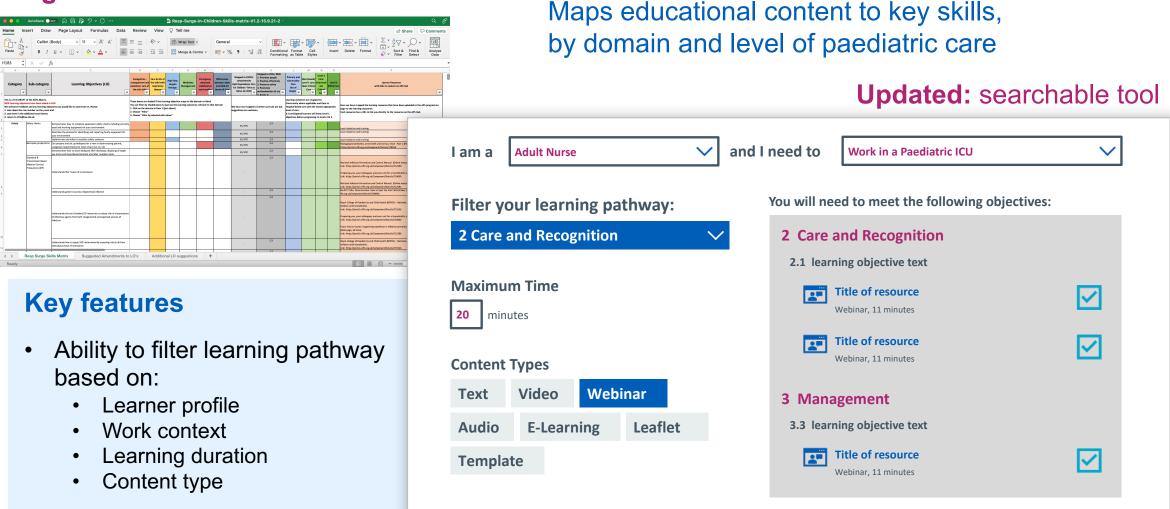




Updated: Interprofessional skills matrix

A Health Education England and NHS England and Improvement initiative

Original: downloadable excel





Q&A

Lydia Lofton

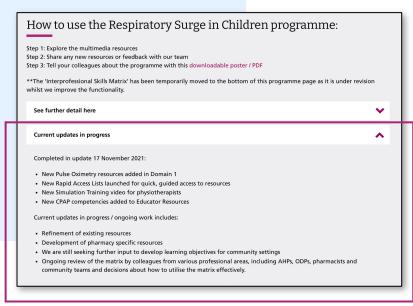




Stay up-to-date

Visit the programme homepage









For any comments, feedback, or resource suggestions, please email LTLC@hee.nhs.uk