Conclusions Although the mainstay of management in NOMI is reduction of spasm and improving perfusion of the mesenteric artery using vasodilators, the identification of at-risk neonates remains a challenge. In our case series, the NOMI had progressed extensively requiring laparotomy and bowel resection. The risk of mortality is high and a timely diagnostic laparotomy with excision of irreversibly necrotized intestine can be lifesaving.

Quality Improvement and Patient Safety

1060

MEDICAL EMERGENCY COVER AT A TIER 4 INPATIENT CHILD AND ADOLESCENT MENTAL HEALTH SERVICE

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Background The inpatient tier 4 CAMHS unit provides care for children and young people with serious and complex mental health problems across four lodges. A patient safety risk was identified; in an emergency locating a doctor during normal working hours could be challenging. Doctors did not carry a bleep, could be working in a variety of different clinical areas or a doctor may not be assigned to each lodge every day. It was recognised patients may become acutely unwell or injured and a doctor should be in attendance promptly to undertake assessment and treatment.

Objectives

Aims

- A baton emergency medic blick (similar to a bleep) to be held during normal working hours.
- In an emergency a 'double blick' should indicate there is an emergency and a doctor should attend.

Objectives

1. Is a baton medic emergency blick an effective way of ensuring a doctor attends in an emergency?
2. Does the blick inappropriately impact a clinicians normal working?
3. What emergencies occur onsite and do staff feel confident/competent managing them?

Methods A medic emergency blick rota was designed assigning a non-consultant grade CAMHS doctor to carry the blick Monday to Friday during normal working hours.

Data was collected prospectively over a four month period. For every 'double blick' a proforma was completed collecting data on the emergency and what the outcome was.

Results 4 events were recorded, 2 were clinical events, 1 was a test and 1 a technical problem.

Conclusions In answer to the objectives:

(1) The medical emergency blick was effective in ensuring a medic attends in an emergency during normal working hours.

(2) There were 4 blicks during the data collection period which was confirmed with the team excluding the possibility of missing data. It was agreed by clinicians that carrying the blick does not inappropriately disrupt normal working.

(3) Of the emergencies that occurred medics felt competent and confident to manage them.

(4) The team agreed following the trial period that the medic emergency blick was a safe and effective way to ensure a doctor attends in an emergency and that it should continue. It was identified at feedback there were occasions during the trial where the blick was not collected and this was not recognised or escalated. A safety net plan was therefore agreed to prevent this happening in the future. The intention is to audit in 6 months to ensure continued compliance and explore frequency and nature of double blicks.

The project is limited by the small amount of data, however this is reflective of the clinical situation.

Quality Improvement and Patient Safety

1061

'TURNING OVER A NEW LEAF': IMPROVING THE QUALITY AND QUANTITY OF LEARNING FROM EXCELLENCE NOMINATIONS

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Background The Learning from Excellence initiative, previously piloted at Birmingham Children's Hospital,¹ aims to promote the recognition and celebration of positive clinical practice, and share these learning points to optimise patient care and foster a supportive, resilient working environment. Results from the pilot indicated that about 90% of staff agreed that Learning from Excellence increases staff morale and the quality of patient care.¹ Learning from Excellence initiatives have since been introduced across many NHS Trusts, including the Paediatric department at Great Western Hospital, Swindon, where the 'LeaFE' nomination process began in 2017.

Objectives This quality improvement project aimed to improve the quality and quantity of 'LeaFE' nominations made in the

Date/ time	Lodge	Was a medic required?	Activity before the blick	Summary of case	Input	Outcome	Competent/ confident to manage
8/10/20							
14:15	G	Yes	Telephone appointment, 2 minutes to close conversation. Unsure initially whether to attend.	Acute exacerbation of asthma	Examination, instructions to support workers and nurses. Applied oxygen and debrief after.	Hospital transfer.	Yes
15/1/21							
12:35	S	Yes	Meeting in the seminar room, easy to attend.	Patient removed dressing and had profuse bleeding.	Examination and referral.	Hospital transfer.	Yes

Paediatric department at Great Western Hospital. In doing so, we endeavoured to further increase staff morale, encourage positive multi-disciplinary team-working, and enhance patient care through shared learning.

Methods The 'Model for Improvement' approach was used. Barriers to the submission of nominations were identified, and a driver diagram completed. Change ideas focused on interventions to improve awareness of the initiative, accessibility of nominations, and dissemination of learning. Examples include distribution of educational emails, text messages, and verbal announcements across the multi-disciplinary team, appointment of a LeaFE representatives in each clinical area, creation of a nominated 'LeaFE' email address, redesign of the nomination form templates, and introduction of a 'LeaFE update' in the divisional newsletter. The impact of these interventions was monitored using Plan-Do-Study-Act cycles.

Results In the 6-month period following the implementation of the quality improvement project in August 2020, a total of 36 nominations were made, with an average of 6 nominations per month from August 2020 to January 2021. This is a 350% increase compared with the same 6-month period the previous year, where a total of 8 nominations were made with an average of 1.3 per month. Nominations increased in almost all staff groups, including nurses and non-clinical staff, as well as doctors at all levels. Common themes included team-working, communication, and supporting colleagues.

Conclusions This quality improvement project has made significant progress in increasing awareness and accessibility of Learning from Excellence nominations, as well as dissemination of learning, in the Paediatric department at Great Western Hospital. Although causation cannot be inferred, the Paediatric department has obtained the best GMC feedback within the Trust this year, and it's best results on record, in addition to a second place award for training environment of the year at the Paediatric Awards for Training Achievements ceremony.

Further changes to be executed within the project include the introduction of a 'LeaFE' section on the Trust intranet, and creating a LeaFE post-box for each clinical area. A staff survey is underway to seek further ideas and feedback on the implementation and impact of the LeaFE initiative. Additionally, we are currently liaising with staff in other clinical departments at Great Western Hospital, with the aspiration to distribute the initiative beyond the Paediatric department.

REFERENCE

1. Kelly N, Blake S, Plunkett A. Learning from excellence in healthcare: a new approach to incident reporting. *Archives of Disease in Childhood* 2016;101:788–791.

British Association of Child and Adolescent Public Health

1062

A META-ETHNOGRAPHIC REVIEW OF FACTORS RELATING TO VACCINE HESITANCY IN THE EUROPEAN PARENTAL POPULATION

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Background In recent years, negative feelings towards immunisations have crept up throughout Europe. Thus, more cases of

vaccine-preventable diseases are seen across the continent with many lives at risk. Parents are considered the main decision-makers when it comes to childhood vaccinations. Therefore, understanding their perception about inoculations is essential in addressing the issue of low vaccination coverage.

Objectives The aim of this study was to gain better insight into the factors that influence parental vaccine hesitancy in Europe and to produce a better framework to explain this phenomenon.

Methods This meta-ethnographical review was carried out between April and May 2020 by following Noblit and Hare's seven-steps approach. Articles were retrieved from relevant medical databases. All the studies included were primary papers written in English, published after 2000 and presenting qualitative data. The appraisal process involved the use of CASP qualitative checklist. 'Line of argument' synthesis was used to develop a higher order interpretation.

Results A total of 13 studies were included in the analysis from which five overarching themes were identified to contribute to vaccine hesitancy: (1) Trust in professionals, institutions, and government, (2) Relationship and communication with healthcare professionals, (3) Perceived minimal threat of the disease, (4) Personal experience, (5) Too young to vaccinate. The meta-ethnographic synthesis revealed how the different themes interact with one another to influence parental choice. Moreover, the duty to protect was showed to play an important role in how these factors are perceived by parents.

Conclusions This review presents an updated framework to explain vaccine hesitancy in the European parental population. To encourage the uptake of childhood immunisations more emphasis should be placed on fostering trustworthy relationships between parents and medical professionals. Also, parents must receive clearer messages on the risks of vaccine-preventable diseases and why the inoculations are important for their children.

British Association for Community Child Health

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THE IMPACT OF SINGAPORE'S COVID-19 CIRCUIT BREAKER MEASURES ON CHILDREN WITH DEVELOPMENTAL DELAYS AND THEIR FAMILIES

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Background COVID-19 has affected many aspects of life across the globe. Following the outbreak of the pandemic, various countries implemented strict precautionary measures to curb the spread of the virus. It is expected that certain vulnerable populations will be most affected, such as children with special needs due to the interruption of regular intervention and routines which are pivotal in their day-to-day lives.

Objectives Our objective was to evaluate the impact of the Singapore COVID-19 Circuit Breaker (two-month lockdown) measures on children with special needs and their families.

Methods Caregivers of children who attended a tertiary child development unit completed an anonymous online survey form. There were 84 respondents who were parents of children aged 2 to 16 years (mean 6.5 years).