A Quality Improvement Project to enhance the identification and treatment of cCMV within the recommended 28 days of life in well babies with SNHL

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assessment within 21 days of life following a 'no clear response' result from their NHSP. (3) - To identify any changes to the service that would enable initiation of treatment in well babies with cCMV within 28 days of life.	25 28 of life ion by 28 days of life. ⁽²⁾ January 2023 to January bowing their NHSP. 3 of these 5
	ompleted their Mise > 21 days of me.
MATAOOS	Of the 17 babies referred to Audiology on average they attended their irst audiology appointment on <u>day 32 of life (</u> not including 4 babies
he data was gathered from the following searches on SMaRT4Hearing (S4H) in Brighton and Hove;	vith a 'clear response' on NHSP who were referred for targeted follow up).
second search was used to identify babies who failed their NHSP and required Audiology referral;	The average time between the last NHSP appointment to the first nudiology appointment was <u>16 days</u> n=13.
I 'well babies' born within '01/01/2023 – 01/01/2024' with 'audiology appointment' checked. This entified 17 babies who were all referred to audiology following completion of their NHSP in 2023.	Conclusions
hese findings show that our NHSP team meet the national targets for well babies completing their hearing screening within 28 days and that they mostly d lentified a delay of approximately two weeks between a 'no clear response' on completing the NHSP and the baby attending their first audiology appointr n S4H which may give more insight into factors that contribute towards this delay when the audiology appointment is booked.	nent. Unfortunately there is no place to document discussions with pare

the oncall Paediatric Infectious Diseases Consultant or Neonatal Consultant of a positive result to proceed with urgent initiation of treatment.

References

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3. RL/NA/CM/LS issue date: April 2022 UHSussex Departmental Protocol: cCMV pathway Application: Define paediatric Patient pathway Journey for those diagnosed with congenital CMV

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5. F Walston, K McDevitt, S Walter, S Luck, T Holland Brown Issue date: 2017 East of England Neontal ODN Clinical Guideline: Diagnosis and Management of Congenital Cytomegalovirus

The Assessment of Emotional and Mental Health Problems in Children with Cerebral Palsy: A Service Evaluation

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Objectives

Routine practice in our child development centre does not currently include formal screening for mental health problems in children with cerebral palsy (CP). NICE, however, advises using validated tools to assess for mental health problems in children with CP [1]. We conducted a service evaluation project to determine whether this is an unmet need for our patients. More specifically, we planned to:

- Determine the proportion of children with CP attending our school-age motor clinic who also experience mental health problems

- Determine whether the use of the Strengths and Difficulties Questionnaire (SDQ) is welcomed by our patients, their parents and our staff.

Methods

SDQs were provided to all families of patients with CP invited to an outpatient appointment in our school-age motor clinic over a one-year period. 25 questionnaires were completed; 24 were suitable for analysis. Of these, 52.2% related to 5 - 11 years old patients and 47.8% related to 12 - 17 years old patients. The male to female ratio was 14 to 10.

Results

Within our sample, more patients were experiencing high to very high difficulties with their mental and emotional health than in the UK community sample upon which the SDQ is based. Comparing our sample with the UK community sample, 34.8% vs 5% scored "very high"; 8.7% vs 5% scored "high", 0% vs 10% scored "slightly raised" and 56.5% vs 80% scored "close to average" (see graph). Overall, 43.5% of the patients in our sample experienced high or very high difficulties with mental and emotional health.

Parents expressed gratitude for having been asked about this aspect of their children's lives and commented that this is an area which is frequently overlooked with the focus usually being their child's physical skills. Staff explained they often do not have time to address all areas covered by the SDQ and felt it allowed them to screen for areas of concern whilst normalising discussions around mental and emotional health.



Conclusions

Almost 1 in 2 of the children with CP attending our school-age motor clinic experience difficulties with their mental and emotional health. This highlights a previously unidentified need. In response, we plan to screen every patient attending the clinic and to offer a resource package to those experiencing difficulties. We aim to use this service evaluation to advocate for access to on-site clinical psychology support, with an agreed referral pathway for the most severely affected patients.

References

[1] NG62. Cerebral palsy in under 25s: assessment and management. National Guideline Alliance (UK). London: National Institute for Health and Care Excellence (NICE); January 2017.

A Single Centre Review of the Management of Sleep Disturbance in Paediatric Patients with Neurodevelopmental Conditions



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Raising the profile of community paediatrics – we are worth it!

Dr Emily Helliwell, Dr Caroline Bodey emilyhelliwell@nhs.net

INTRODUCTION

- Introduction of Progress+ has changed training priorities
- Exposure to community paediatrics will be reduced so we offer an elective 'Community Paediatrics Module' within final year undergraduate training

AIMS

- Increase awareness & enjoyment of community paediatrics so future clinicians can make informed decisions when shaping their training
- To encourage evidence-based medicine within community paediatrics via a selfselected project and regional presentation
- To increase the understanding of child development amongst future doctors, whatever career they ultimately choose

METHODS

- 3 cohorts (15 undergraduate in total) are offered 8 face-to-face sessions & 1 self-led study day over a 2-month period
- Participation in small group tutorials on relevant topics such a cerebral palsy, autism spectrum condition & development
- Supervised development assessments of children
- Gain anonymous feedback at the end of the placement about their outlook on community paediatrics

Sirona Care & Health, Bristol

RESULTS

- We analysed anonymous post-module feedback
- Some undergraduates fed back this should be within the curriculum, very positive outlook
- Prior to the module 25% did not know community paediatrics existed, following the module 100% would now consider a career in this area

CONCLUSIONS

- Trainees are no longer mandated to train within community
- We provide undergraduates exposure to our subspecialty and it was been well received: "I now have an insight into community paeds, and what a great career it could be!"
- The next consideration is incorporate this into undergraduate curriculum and replicate our module across the UK





"What now?": How our parent focus group showed us what really matters to parents of children diagnosed with Autism Spectrum Disorder.

Dr Pavneet Sandhu, Dr Deeksha Dhar, Dr Naomi Elson, Lee Foster, Dr Lara Staffurth, Dr Yui Sasaki

INTRODUCTION

We are one of many Child Development Centres (CDCs) experiencing increasing delays in the assessment and diagnosis of children with Autism Spectrum Disorder (ASD). We acknowledge this issue at initial assessment and signpost families to support. Is this enough to meet the families' needs? We conducted a parent-carer focus group to explore this further.

What now? What does our life look like? What does his life look like?

AIMS

- Understand parent-carer experience of referral, assessment and post-diagnostic support (the pathway).
- Identify the barriers and positive factors in this pathway.
- Work collaboratively with parent-carers to develop our service.



METHODS

We retrospectively identified 30 families whose children had been diagnosed with ASD within the previous 6 months. We invited parents to attend face-to-face focus groups or complete an anonymous emailed survey. We used a semistructed interview format with 5 open questions. We identified themes via facilitator discussion. I've managed it for so long. I don't know what a website will tell me.

CONCLUSION

This focus group highlighted the barriers and positive factors for families navigating ASD assessments in our CDC. Following this, we are developing a monthly, virtual 'drop in' psychoeducation service, to meet both social and clinical need. We have updated our written supportive information with input from parents as experts-by-experience.

RESULTS

5 families attended focus groups and 3 completed the online survey. Themes included:

- Lack of clarity around referral pathways
- Transparency around assessment timeframe
- Positive relationships with all CDC staff
- The need for and value of parent support groups
- Lack of post-diagnostic support, including inaccessible written resources
- o A need to involve parents in care delivery



Is geographical variation in emergency epilepsy admissions related to variation in new epilepsy diagnoses among children and young people across England? An observational study using linked datasets Dr. Rakhee Shah, Sandeepa Arora & Dr. Dougal Hargreaves

Introduction

- Epilepsy is estimated to affect over 112,000 children and young people (CYP, 0-24 years) in the UK.
- Quality and coordination of health care are important determinants of outcomes for CYP with epilepsy.
- Failure to provide consistently high-quality care for CYP with epilepsies has been linked to high rates of over- and underdiagnosis of epilepsy and wide geographical variation in epilepsy admission rates and deaths.
- Geographical variation in paediatric epilepsy admissions in England is significant even after adjusting for factors such as deprivation and ethnicity, and the causes for variation remain largely unknown.

Methods

<u>Aim</u>

To investigate the extent to which geographical variation in epilepsy admissions among children and young people (CYP) aged 0-18 years, in England, reflects variation in new epilepsy diagnoses.

Design and setting

A retrospective secondary analysis of Hospital Episode Statistics data for emergency admissions between April 2018 and March 2019, and Epilepsy12 audit data for new epilepsy diagnoses in England, between July and November 2018.

Outcome measures

- The ratios of observed to expected epilepsy admissions and new diagnoses were calculated for each hospital Trust, based on their catchment population and adjusted for age, sex, and deprivation.
- Standardised ratios of observed to expected epilepsy admissions were plotted against standardised ratios of observed to expected new diagnoses of epilepsy at Trust level and the Pearson correlation coefficient was calculated.

Results

9246 emergency admissions for CYP to 134 Trusts with a primary diagnosis of epilepsy in England during the study period.60 Trusts (44.4%) had either significantly lower or higher than expected standardised admission ratios for a primary diagnosis of epilepsy.

There were 960 new diagnoses of epilepsy between July and November 2018 for 74 Trusts.

14 Trusts (18.9%) had either lower or higher standardised diagnosis ratios for a new diagnosis of epilepsy.

There was no correlation between standardised emergency epilepsy admissions ratios and standardised new epilepsy diagnoses ratios at Trust level (Pearson r -0.06, p 0.63) Figure 3.

Funnel plot for paediatric epilepsy admissions in English Hospital Trusts, April 2018-March 2019 (acute hospitals)



Figure 1 (Above): Funnel plot showing the standardised ratio (observed/ expected) for paediatric epilepsy admissions in English Hospital Trusts between April 2018 and March 2019.



Figure 2: Funnel plot showing standardised ratios for observed versus expected new diagnoses of epilepsy by NHS Trust

Map showing geographical location of trusts that have higher or lower than expected emergency admission ratios (figure A) and new diagnosis ratios for a primary diagnosis of epilepsy (figure B)

Red dots – Trusts with significantly higher (≥ 2 standard deviations) observed admission or new diagnosis ratios for epilepsy than expected.

Blue dots – Trusts with significantly lower (≤ 2 standard deviations) observed admission or new diagnosis ratios for epilepsy than expected.



A: Emergency admissions for epilepsy B: New diagnosis of epilepsy





admissions against the standardised ratio for new epilepsy diagnoses.

Conclusions

- Widespread unexplained variation in epilepsy admissions cannot be explained by variation in new epilepsy diagnosis.
- This raises concerns about the equity and accessibility of epilepsy services.
- Further work is needed to investigate the causes of this wide variation. The North-West of England could be a place to target for further work
- Further work on whether CYP with epilepsy managed in the community have access to epilepsy specialist nurses and tertiary neurologists which have been shown to have an impact on unplanned emergency hospital admissions is required.