HEALTHCARE QUALITY IMPROVEMENT PARTNERSHIP

IMPACT REPORT

2021

HQIP

Healthcare Quality
Improvement Partnership

National Clinical Audit and Patient Outcomes Programme

The Healthcare Quality Improvement Partnership (HQIP) commissions and manages the National Clinical Audit and Patient Outcomes Programme (NCAPOP) on behalf of NHS England & NHS Improvement and the Welsh Government.

Every project in the NCAPOP has been established to address a clinical area (or areas) where healthcare improvement is required, and the common aim of each project is to have a positive impact on patient care.

Impact of NCAPOP

This compendium of the impact of NCAPOP provides a summary of some of the key impacts the projects have had. It covers impact reports submitted from April 2020 to March 2021 (the *impacts* themselves would have occurred over a wider date range).

Impact has been categorised into four categories and this compendium highlights key impacts against these categories for each project.

The categories have been colour-coded as indicated here:

NATIONAL
Evidence of national improvements in the quality and outcomes of care

SYSTEM
How the project supports policy development & management of the system

LOCAL
How the project stimulates quality improvement

PUBLIC
How the project is used by the public and the demand for it

Stroke (SSNAP)

- Percentage of applicable patients screened for nutrition and seen by a dietitian by discharge increased from 65.7% (13/14) to 82.7% (18/19)
- Percentage of applicable patients who have rehabilitation goals agreed within 5 days of clock start increased from 79.5% (13/14) to 93.2% (18/19)

Neonatal (NNAP)

- Reduction in number of alarm level outliers, from 27 for 2018 data, to 19 for 2019 data
- Proportion of eligible mothers receiving antenatal magnesium sulphate increased from 72% in 2018 to 82% in 2019

Maternal, Newborn and Infant (MNI) CORP

- Enhanced surveillance of maternal deaths due to COVID-19 and the indirect impact of COVID-19 was rapidly established. Findings fed to NHSE/I and RCOG/RCM on a weekly/daily basis to support COVID-19 control measures

Paediatric Diabetes

- In 2018/9, 90.1% of CYP with T1D were offered an additional dietetic appointment, compared to 85.3% in 2017/18
- Screening for coeliac and thyroid disease increased from 62.3% and 67.8% in 2015/16 to 82.9% and 88.8%, respectively, in 2018/19
- The percentage of those aged 12 and above with a complete year of care receiving all seven key checks increased from 25.7% in 2017/18 to 30.9% in 2018/19

National Vascular Registry

- The outcomes (mortality or stroke/death) following all major vascular procedures between 2017-2019 have either remained steady or have improved compared to previous years, with no trusts being negative outliers
- Early data from the NVR COVID-19 short report showed a large reduction in vascular procedures in March 2020. Patients undergoing vascular procedures who caught COVID-19 had poor outcomes

Falls & Fragility Fracture (FFFAP)

- Case-mix adjusted NHFD mortality control-charts enable sites to promptly identify significantly poor or excellent performance
- 88% of FLSs improved in at least one KPI in 2019 compared with 33% in 2018

Paediatric Intensive Care (PICANet):

- Produced the only national-level data summarising the characteristics, interventions received and outcomes for patients with confirmed COVID-19 admitted to PICU
- Paediatric Intensive Care reviewed numbers of retrospective cases of Kawasaki / multi-system inflammatory syndrome admitted to PICU in order to assist with identifying whether there was a newly emerging COVID-19 related multisystem inflammatory disease (known as PIMS-TS)

Child Mortality

- Real-time data used to inform national strategy on COVID-19
- Data used in support of advice for families to bring children to A&E during COVID-19

COPD/Asthma

- Increase in COPD admissions that had a spirometry result available:
  2018/19: 46.0%
  2017/18: 40.5%
- Increase in COPD patients receiving a discharge bundle:
  2018/19: 73.8%
  2017/18: 67.2%

Bowel cancer

- Considerable variation in major resection rates for potentially 'curable' disease exists between trusts/ hospitals/MDTs with 24 sites falling outside the 95% limit

Prostate Cancer

- The use of multiparametric MRI (mpMRI) increased from 51% 15/16 to 62% 17/18, with an increase in its use prior to biopsy from 73% 15/16 to 87% 17/18

Diabetes

- The Pregnancy in Diabetes (NPID) findings have contributed to the introduction of Continuous Glucose Monitoring funding from NHS England for all pregnant women with type 1 diabetes. NPID can be used to continuously monitor the progress of this change and look if outcomes are improved for this group of women

Oesophago-Gastric (OG) Cancer

- The 2019 Annual Report showed that OG cancer services in all regions are struggling to meet the 62 day "referral to treatment" target
- The 2019 Annual Report found that patients placed on Enhanced Recovery After Surgery (ERAS) protocols have lower average length of stay compared to patients not on ERAS protocols

Breast cancer

- The percentage of patients with suspected breast cancer who had triple diagnostic assessment (TDA) at their initial visit remains low but rose from 66% in 2017 to 68% in 2018 in England & Wales.

Lung Cancer

- 2019 PHE 2nd atlas of variation widely cites the NLCA associating the NLCA with improvements in lung cancer survival
- Increase in 1-year survival in stage III patients 63% in 2018 versus 45% for 2015
- More patients receiving early stage diagnosis 29% in 2018 versus 26% in 2015
- Fewer patients being diagnosed at late stage 49% in 2018 versus 53% in 2015

Epilepsy12

- Increased presence and involvement of Epilepsy Specialist Nurses in care. The number of ESNs, and the functions of care they support, both increased between 2018-19
- Paediatric epilepsy clinics increased from 169 per week in 2009, to 253 per week in 2019

Mental Health CORP

- Monitoring the changing pattern of risk: falling numbers of in-patient suicides, rising numbers in Community Harm Reduction Team (CHRT) care

Psychosis

- 75% (18/19 64%) of patients in England and 21% (18/19 15%) in Wales received all seven physical health screenings
- 41% (18/19 22%) of patients in England and 5% (18/19 0%) in Wales had outcomes measured at least twice within 12 months

End of Life

- Use of NACEL findings on NHSE/I WebExs during the recent pandemic to help providers understand where improvement opportunities should be targeted

Emergency Laparotomy

- Improvements of care have reduced patients' average hospital stay from 19.2 days in 2013 to 15.4 days in 2019
- 84% of patients now receive a preoperative assessment of risk, up from 56% in Year 1

Arthritis

- Second annual report will include HES linkage, allowing an assessment of the impact of COVID-19 on EIA patients/services

Arthritis

- NHS England EIA Best Practice Tariff is based on data from the audit
- Audit shares real-time data with GIRFT, who use it on their visits

Falls & Fragility Fracture (FFFAP)

- NHFD data used to inform NHS England and Welsh Government on infection rates and associate mortality in hip fracture patients, highlighting importance of NHS England Guidance on non-operative care during Covid-19

Child Health CORP

- Guides are produced to encourage commissioner engagement and help them understand how the report recommendations can help commission effective services

Paediatric Diabetes

- NPDA results are used to justify individual unit's award of the paediatric diabetes Best Practice Tariff

National Vascular Registry

- NVR results are used by the national commissioners for vascular surgery and often feed into discussions about the on-going reorganisation of vascular services in the UK and recovery of vascular services following the COVID-19 pandemic

COPD/Asthma

- COPD data shared on a 6-monthly basis with the CQC (as part of inspection pack dashboards
- COPD Best Practice Tariff (BPT) attainment:
  2019/Q3: 55.4%
  2019/Q2: 58.0%
  2019/Q1: 50.8%

Maternity and Perinatal

- NMPA data used for new Maternity Services Dashboard, produced by NHS Digital
- The NMPA is referenced in the final report from the Each Baby Counts programme, published in March 2021

Neonatal (NNAP)

- The Specialised Services Quality Dashboard for Neonatal Critical Care is regularly aligned with NNAP measures
- The NNAP has collaborated with the GIRFT neonatal workstream, and NNAP measures and data will be used as part of the GIRFT programme

Paediatric Intensive Care: PICANet

- Modelled for minimum number of UK PICU beds required during the COVID-19 pandemic, ensuring essential PICU beds were ring-fenced and enabling non-essential PICU bed capacity to be freed up to support the COVID-19 pandemic response
- Provided real-time monitoring of COVID-19 admissions to PICU during the pandemic enabling PIC leads and service commissioners to have access to real-time admission numbers and monitor the dynamic situation

Child Mortality

- Real-time child mortality surveillance system established, linking with PHE Virology test results
- Surveillance data resulted in change to NHS111 system during COVID-19
- Collaboration agreed with ONS to enhance the ascertainment and coding of child deaths nationally

Maternal, Newborn and Infant (MNI) CORP

- Enhanced surveillance of maternal deaths due to COVID-19 and the indirect impact of COVID-19 was rapidly established. Findings fed to NHSE/I and RCOG/RCM on a weekly/daily basis to support COVID-19 control measures

Prostate Cancer

- The results from the audit support the work of GIRFT. The audit team provide clinical and analytical guidance for collaborative projects.
- NPCA results are utilised by NICE to inform their work:
  •2019 Prostate Cancer guideline update
  •Impact review
  •NICE MT451 Space OAR evaluation

End of Life

- Regional gap analysis undertaken. NHSE/I pushing planning to regions and so will be useful tool from which regional priorities should flow

Lung cancer

- NICE Lung Cancer quality standards (4 new measures added in 2019 with NLCA on the consultation panel) and NICE 2019 clinical guideline underpinned by NLCA data
- 2019 NICE Impact Report on Lung Cancer widely cites the NLCA
- NHS Long Term Plan informed by NLCA data (section 3.56)
- 139 GIRFT site-visits underpinned by NLCA data and NLCA input into GIRFT National report

Epilepsy12

- The clinical lead, project team and OPEN UK leads have been collaborating on a national strategy to support NHS England to deliver the aims of the NHS England Long Term Plan for children with long term conditions

Medical & Surgical CORP

- *On the Right Course* (2018) recommendations have been embedded in the service specification for cancer care for young people

Diabetes

- The team conceived and carried out the statistical analysis on a paper published in *The Lancet*. The implications of this paper include recommendations that target prevention of cardiovascular and microvascular complications which might also serve to beneficially modify some of the risk factors associated with COVID-19-related mortality

Mental Health CORP

- Supporting NICE Guidelines:
  *Transition between in-patient and community/home care [NG53, 2013]
  *Self-harm management [CG16, 2004; CG133, 2011; QS34, 2013; new guidance 2020]
  *Preventing suicide in community and custodial settings [NG105, 2018]

Psychosis

- Data from the 2019/20 audit was used by NHS England to monitor progress against the Long Term Plan
- Data from the 2018/19 audit was used by NHS England to monitor progress against the Five Year Forward View for Mental Health

Stroke (SSNAP)

- Existing and additional data collection and reporting to support the delivery of the NHSE Long-Term Plan.
- Supports Best Practice Tariff (BPT), Thrombectomy numbers and CCG OIS
- Supports National Quality Improvement initiatives through data collection and production of bespoke data packs:
  •Getting It Right First Time (GIRFT)
  •Critical Time Standards

Emergency Laparotomy

- Continued to support the Best Practice Tariff for Emergency Laparotomy by providing participants with quarterly data
- Responded to Covid-19 by introducing Covid-specific questions into the NELA Dataset to assess the impact of Covid-19 on patient outcomes and system-level factors

Stroke (SSNAP)

- Local quality improvement initiatives highlighted in annual report

Arthritis

- The audit analyses data quarterly to identify and contact units at risk of becoming outliers if performance does not improve before the end of year 2 data collection
- developed a tool for units to measure their data against the NICE quality standards in real-time

Paediatric Diabetes

- Case studies demonstrating how units have improved results are collected and published in national reports and shared in QI slide decks
- QI focussed slide decks are produced to facilitate the discussion of local results within teams, and plan QI activities based on them

National Vascular Registry

- The peripheral arterial disease quality improvement programme (PAD QIP) was launched in 2020, with an aim of improving the quality of care for patients presenting with chronic limb-threatening ischaemia (CLTI) by developing a quality improvement collaborative of healthcare professionals across the UK

Dementia

- Top Tips for hospitals derived from the COVID-19 impact report, focussing on communication and involving carers

Breast cancer

- The NABCOP Local Action Plan and Regional Presentation Template 2020 help local teams to set clear QI aims based on the audit's recommendations and develop plans for implementation

Child Health CORP

- Quality Improvement support tools were made available at the point of publication and have been widely downloaded. This includes the commissioner guide and recommendation checklist, audit tools and fishbone diagrams

Falls & Fragility Fracture (FFFAP)

- Four English hospitals took part in the HipQIP collaboration and each saw improvements in 30-day mortality as a result (9.2% before – 5.8% after)
- NHFD run charts enable all 175 trauma units in England and Wales to promptly recognise and respond to changes in the standards of care that they are providing.
- Case studies on improving NHFD KPIs and mortality available in the Improvement Repository

Maternity and Perinatal

- Creation of 'Interactive Results' area on NMPA website, allowing local services to view and download all clinical audit results for their trust, board or site in one table. The tool allows users to select which maternity services and which measures they wish to display, aiding quality improvement

Neonatal

- Case study: improving achievement and documentation of parental consultation within 24 hours of admission NNAP 2020 Annual Report (p81)
- Case study: keeping mothers & babies together: getting it right first time Annual Report (p78)

Paediatric Intensive Care

- Key metrics actively used as part of regular Morbidity and Mortality Review meetings within Trusts to monitor performance, identify trends and implement changes to services and within consultants' annual appraisals

Child Mortality

- Best practice-sharing through NCMD webinar series, with over 110 participants in March 2020
- 100% CDOPs across England submitted cases to NCMD (average notifications 42)
- Data quality improved with 98% of notifications having a valid NHS number in April 2020 (90% 2019)

Maternal, Newborn and Infant (MNI) CORP

- Real-time data monitoring tool enables staff in Trusts/HBs to visualise their perinatal mortality data in real time, make comparisons over time and identify clusters for rapid investigation

Prostate Cancer

- Excellent local engagement during the NPCA Outlier Process. Potential outlying trusts have carried out local quality improvement including local data review, development and implementation of detailed action plans
- Provider level results for England and Wales are published on the NPCA website alongside resources to support local Quality Improvement (action plan templates, provider-level reports and slides sets, case studies)

Bowel Cancer

- One trust found to be a potential outlier on 18-month stoma rate has set up a database to collect information prospectively on its rectal cancer resections

End of Life

- Each participant received bespoke infographics for reporting internally against key findings

Epilepsy12

- Quality Improvement Programme: 12 paediatric epilepsy teams formed a collaborative, receiving QI training, coaching and peer support. Each implemented an improvement project. Outcomes included: reduced waiting times; child-friendly processes for diagnostic tests; new care pathways; and better information, signposting and support for patients and families

Lung Cancer

- Increasing evidence from local services of improvements following on from outliers status and NLCA results
- Quality improvement toolkit

Diabetes

- Following an extensive programme of initiatives sparked by their NaDIA service level report, one hospital moved from the 4th quartile to the 1st quartile for 4 key standards

Oesophago-Gastric Cancer

- The dedicated user network and sharing forum on the audit website has been developed and promoted to NHS OG cancer staff in audit newsletters

Medical & Surgical CORP

- Report recommendation checklists have been downloaded >5,000 times since September 2019

Mental Health CORP

- NHSE-commissioned community-based self-harm support: working directly with 12 areas to improve self-harm care
- NHSE-commissioned QI work: working directly with 8 STPs to build local suicide-prevention plans based on NCISH evidence

Psychosis

- Glucose and cholesterol alert letters sent to all sites in September 2020 where data from the 2019/20 audit raised potential patient safety concerns

COPD/Asthma

- 4 x quality improvement (QI) workshops held in 2019 with 248 delegates attending
- For each clinical audit, 8 key outputs are produced to support engagement in data collection and QI:
  - •Real-time run charts
  - •Site-level reports
  - •National reports
  - •Benchmarked key metrics
  - •Patient reports
  - •QI slide sets
  - •Regional reports
  - •Outcome reports

Emergency Laparoptomy

- Evidence of quality improvement work being carried out locally using NELA Data. Poster demonstrating local QI work using NELA data

Stroke (SSNAP)

- Easy to read summary infographics produced for annual reports and acute organisational audit reports

Bowel cancer

- Provided analysis of the characteristics and treatment of patients by age to inform Bowel Cancer UK's Never Too Young initiative

Paediatric Diabetes

- Bespoke posters with clinic results are produced to display in waiting areas to help promote awareness of the audit, and local performance
- Children and young people with diabetes and their parents took part in workshops and cognitive testing to develop the NPDA Parent and Parent Experience Measure (PREM). Almost 14,000 responses were received over six months in 2019

National Vascular Registry

- Since 2016, the NVR has produced infographics for it's procedures in order for key results to be accessible to patients. These infographics have been improved with involvement with the NVR's patient panel

Diabetes

- Inpatient Audit (NaDIA) is the only part of the NDA which conducts a survey of patient experiences and publishes the results

COPD/Asthma

- 10 x clinic chats in paediatric asthma outpatient clinics in 2019
- 3 x patient reports produced in conjunction with the NACAP patient panel, more to follow

End of Life

- Patient friendly report produced and extensively publicised through unique collaboration with the Patients Association

Falls & Fragility Fracture (FFFAP)

- New guide for family carers of hip fracture patients released
- >5,300 YouTube views of FLS-DB '*Strong bones after 50*' animation since May 2018
- 2,450 *Preventing falls in hospitals* booklets requested

Neonatal

- Your baby's care – a parent and carers guide to the NNAP 2020 Annual Report. Available in English and Welsh
- Poster displaying unit level audit results using infographics published to make results more accessible within the neonatal unit

Paediatric Intensive Care

- Rapid flow of co-morbidity data from PICANet to NHSE enabled revision of RCPCH COVID-19 shielding definitions taking 85,000 children out of shielding
- Data from PICANet regarding COVID-19 admissions to PICU used byChief Medical Officer to inform advice regarding schools re-opening following national lockdown

Child Health CORP

- An information sheet for patients, relating to the 'Each and Every Need – CP care' (2018) listing questions they should ask about their care to is available on our website to download, to date this leaflet has been downloaded >1000 times

Maternal, Newborn and Infant (MNI) CORP

- Co-produce lay reports with Public, Parent and Patient Involvement (PPPI) stakeholders to ensure the reports meet the needs of families and that the findings have maximum public engagement and impact

Child Mortality

- Website updated with news and sections for professionals and families (page views = 3,505 in March 2020)

Prostate Cancer

- The NPCA Patient Survey provides a unique insight on patients' views of the quality of care they receive and the impact of radical treatment on their daily lives. There is very good engagement with this initiative - a high response rate (78%) was achieved during the latest round of data collection. The survey was sent to ~11,500 patients diagnosed April 2018 – September 2018, who subsequently underwent radical treatment
- The PPI Forum guided the development of the patient/public summary of the 2019 Annual Report. Further to a request from patient support groups, slide sets presenting results from the Annual Report, the NPCA Patient Survey and lay guidance on'how to interpret funnel plots' have been developed

Dementia

- Impact of COVID-19 on dementia care: rapid snapshot report on the effect of the pandemic on people with dementia admitted to hospital.
- Key findings:
  - Specialist support for people with dementia on both Covid and Non-Covid wards was significantly compromised
  - 48% carers were not asked about the needs of the patient they cared for
  - 90% not allowed to visit
  - 43% not given any explanation about visiting
  - 48% not given support to keep in touch

Epilepsy12

- The Youth Advocates are volunteers; epilepsy experienced children, young people, families and two epilepsy specialist nurses. Their wide-ranging impact on both the audit and quality improvement was awarded joint 'National Volunteers of the Year' in the 2020 HQIP Audit Heroes Awards

Breast cancer

- Infographics that summarise the main report results for patients and the public were developed with patients and patient representatives

Oesophago-Gastric Cancer

- The website received 10,019 hits for the three months from December 2019 to February 2020

Mental Health CORP

- approximately 11,500 downloads of 2018 annual report
- Social media: 6,000+ Twitter followers
- Videos/ infographics produced for each report, made available through website and social media; service-user specific infographics produced for each report; service-user output consultation

Arthritis

- The videos created for patients have been viewed over 2000 times since they were uploaded in June 2018

Psychosis

- Two focus groups provided feedback on the findings of the 2019/20 service user survey and case-note audit. This feedback was included in the 2019/2020 national report

Medical & Surgical CORP

- Videos relating to our reports have been published on YouTube and viewed almost 2,300 times

Emergency Laparotomy

- Supporting local participating sites in establishing their own patient groups
- The 6th Annual Patient Report was published 12 November 2020

Lung Cancer

- NLCA patient and carer booklet produced annually in collaboration with RCLCF

HQIP

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Measuring and improving our healthcare services

Healthcare Quality Improvement Partnership

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