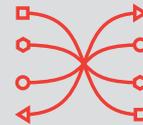
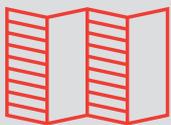


# The National Pain Audit Third Report

FOCUS ON SAFETY AND OUTCOMES



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THE BRITISH PAIN SOCIETY

 **HQIP**  
Healthcare Quality  
Improvement Partnership

# Foreword

Just over four years ago the British Pain Society made a successful bid to run an audit of specialised pain services throughout England and Wales — the first of its type in the UK. The audit systematically determined the current services available for patients in chronic pain, followed by the types of condition presenting and the impact that this had on their lives. The final part of this audit has determined the safety of services and patient outcome following specialist care in both the short and long term.

The audit has clearly illustrated the devastating impact that chronic pain has on the huge number of individuals with this condition. Specialised services are not available throughout the country and the quality of the service varies considerably.

It is essential that commissioners and NHS providers address this major shortfall by establishing appropriately trained multidisciplinary services in a timely fashion, to prevent the ongoing suffering of such a huge population. There is an urgent need for ongoing audit of services and patient outcome, to confirm that an effective service is being delivered, to confirm that the best care is delivered and that the best use is made of NHS resources.

This work could not have taken place without the dedicated input of Dr Cathy Price leading the clinical group and the support of the Dr Foster team.

**Dr William Campbell**

*President, British Pain society*

October 2013

# Introduction and background

Pain services were developed in response to the recognition in the 1960s that some people in pain may benefit from additional specialist care. Advances in the understanding, prevention and treatment of chronic pain have continued at a pace since then. Specialist pain services have provided a crucial leadership role in advancement of care for people with chronic pain.

The National Pain Audit was set up in response to findings from successive reports that specialist pain services were struggling to keep up with demand. There was clear variation in provision of service, a lack of visibility and no agreed standards of care.

The National Pain Audit has explored the quality of specialist pain services provided to people with long-term pain, sought to evaluate them against known standards and, where necessary, to develop new standards in consultation with clinicians and patients. This audit was commissioned by the Healthcare Quality Improvement Partnership (HQIP) as part of the National Clinical Audit and Patient Outcomes Programme (NCAPOP). This is the fourth round of the audit.

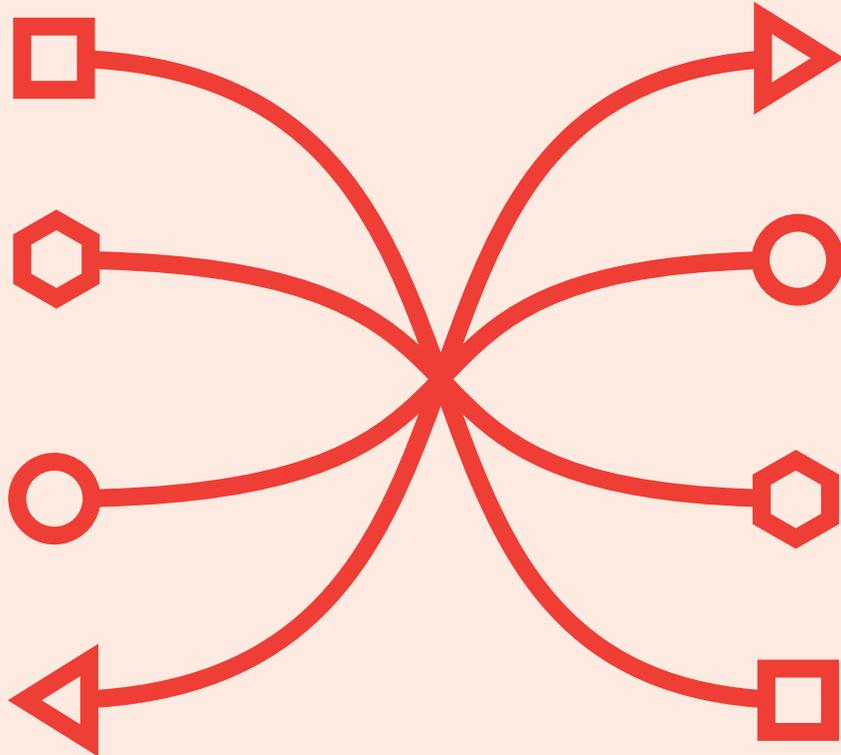
This fourth round, an extension of the audit, has examined one-year outcomes of pain service intervention, and sought to understand current models of care that exist and establish which safety procedures are in place to safeguard patients against unexpected sequelae of treatment.

As this was an extension, the audit has used existing methodology established in previous rounds with few additions or changes.

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## PREVIOUS AUDITS HAVE COVERED:

- **Round 1:** Organisational arrangements of services audit
  - **Round 2:** Case mix
  - **Round 3:** Outcomes of care
  - **Rounds 2 and 3** were reported together in the Final Report
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# Executive summary

The National Pain Audit has been an important exercise for the specialty. For the first time, clear standards have been developed and measured, changes recommended then re-audited.

## **THE FOURTH ROUND OF THE NATIONAL PAIN AUDIT HAS FOUND:**

- There has been a substantial improvement in participation of services.
- Non-English speakers were poorly represented.
- Multidisciplinary provision appears to be increasing.
- Patients need multi-modal treatment.
- One case study on healthcare usage demonstrated reduced healthcare costs in outpatients but not inpatients.
- 8% of patients are very severely affected by their pain.
- There are some gaps in managing risk.
- There is wide variation in service delivery.

## **SOME OF THE UNDERLYING ISSUES IDENTIFIED IN THIS AUDIT ARE:**

- Appropriately skilled staff to deliver treatment are frequently not available.
- Lack of understanding as to deliver highly specialised care is very small, meaning there are no regional leadership structure in the specialty.
- The necessity of specialist pain services to be cross-cutting in nature and integrated with other services is poorly recognised, meaning access to specialist advice may be delayed.
- The work has not been done to assess the impact of improved pain management on other aspects of the healthcare system.

- Information on pain is not delivered in a way that many patients can grasp the essentials.
- There is no good understanding of optimal models and levels of service provision.

## **ACTIONS NEEDED:**

- Competencies developed for non-medical practitioners in pain management.
- Differing levels of service provision that can match to need.
- Guidance on standards of care expected from services.
- A review of best practice in delivery of patient education in pain.
- Clear standards for risk management on assessment of people in pain.
- Better integrated working between services across the healthcare system.
- Subgroup analysis to identify whether some cohorts of patients respond better than others.
- Guidance on best interventions to return people in pain to work.
- An inpatient pain audit to improve quality of pain care in hospitals.

# Recommendations



## SERVICES

- A model service specification for specialist services (i.e. services commissioned by Clinical Commissioning Groups) is urgently needed. The service specification needs to be independent of setting and integrated with other specialties and providers, with clear treatment protocols in place. The Faculty of Pain Medicine is currently revising its recommendations and it would be helpful to include these.
- Safety protocols need to be reviewed in many services to ensure that mental health risk assessment and a full case review of missed diagnoses are included and that training is given to identify and manage those at risk. This requires discussion with the National Health Service Special Commissioning Board as patient safety now falls within its remit.
- As pain occurs across many if not all branches of medicine, multispecialty clinics and specialist non-anaesthetist led activity requires application of the treatment function code 191 while retaining background specialty. Guidance is needed from the Health & Social Care Information Centre on this.
- Specialised pain services need to work in an integrated fashion across a wide geographical area as virtually no single provider has the capability to manage patients at the severe and highly specialised end of the spectrum such as those patients presenting with highly complex needs. Options to achieve this are currently being scoped by the Specialised Pain Services Clinical Reference Group.
- There needs to be clearer linkage of level of services to patient need. A classification of services, such as that described for neuro-rehabilitation services, may be useful.
- Clinics need to audit patients' understanding of persistent pain and of treatment options. This could be included in the Royal College of Anaesthetists Audit Recipe Book.
- Services should link with vocational rehabilitation experts and occupational health physicians to develop new ways of working that would return people to work. The Chronic Pain Policy Coalition is currently developing this, subsequent to the first English National Pain Summit.

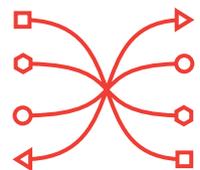


**STANDARDS**

- Standards that have been demonstrated as feasible to collect and measure data that are meaningful should be reviewed and considered for more formal adoption by bodies with responsibility for quality improvement e.g. NICE, Royal Colleges.
- Non-medical healthcare professions such as Physiotherapy, Nursing and Psychology should develop National Occupational Competencies with Skills for Health. The British Pain Society could usefully co-ordinate this development.

**FUTURE AUDITS**

- Should build upon the extensive learning from this audit with regards to clinical engagement, governance, methodology, recruitment and sampling.
- Need to improve the case-mix adjustment to allow meaningful comparisons between providers.
- Need to improve diagnosis coding.
- Should include comorbidity to improve case-mix adjustment.
- Should assess if appropriately skilled staff are available to deal with complex pain problems.
- Need to have permission to use NHS numbers to allow data linkage, to identify and track patient across service, capture comorbidity and healthcare resource use.
- Should investigate the contribution of specialties other than Anaesthetics to pain medicine.



# Patient summary

The audit is all about the people that the service looks after and about what happens to them in the service, with the goal of learning how to provide pain relief and to help individuals live with their pain. This audit has shown that many parts of the country have poor provision for people living with pain.

The audit does show that multi-component treatments are better but these need to fit the patient's needs rather than to be provided in a single format. Some patients need regular attendance at a specialist service to manage their pain effectively. Some are very severely affected by their pain and it is not clear how their needs are being met. Most have a very poor quality of life with work most affected.

In contrast, staffing levels that can deliver multidisciplinary treatment are inadequate in many clinics and cannot be ignored. The number of clinics setup for specialised care is too low, meaning there is no regional leadership. Worryingly low numbers of non-English people are accessing pain services.

Patients need information about a service to be able to ask for it and need good information at a rate that is right for them. The audit found that many people do get the right information and it was helpful; however a substantial minority do not. This needs more work.

Developing a cycle of continuous audit, evaluation, consultation, implementation and audit again takes courage and leadership, as does making changes that are indicated by the findings. It also takes humility to evaluate something you have developed over time and to pull

it apart (gently) to examine how it works and if it can be improved. The participation rates of services in this audit were excellent; the will to be under the microscope was admirable.

Patients can now look up how their clinic is doing on the *Find a Clinic* pages and work out if a clinic near them is in a position to help them in the way they choose. This is a significant step forward.

*“Most patients think the NHS is the same all over. The National Pain Audit is proof that this is not true and has highlighted the poor quality of life that people living with pain experience”*

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# Finding of the previous National Pain Audit rounds

In total, 161 pain clinics were located in the audit. Some PCTs had multiple providers within the same locality, but 28 PCTs did not appear to have any pain services. Just 91 clinics (56% of those identified) returned information in Round 2 on 9,588 patients who completed the questionnaires about themselves and the impact of pain on their lives. In Round 3, 4,414 patients returned follow-up questionnaires six months after their initial assessment; 3,192 of these were complete and provided a good understanding of what is happening to patients in 80 of these services.

## *The key findings of the previous audit Rounds 2 and 3 were:*

- **Quality of life among patients attending specialist pain services is poor and is improved by these services:** The overall mean quality of life score (EQ5D-3L) of 0.4 represents severe impairment, and is lower than many individual long term conditions. This low score might be attributed to the collective impact of the comorbidities present in these complex cases. In total, 56% of providers reported post-treatment improvement in EQ5D-3L score, and 76% reported improvement specifically in pain-related quality of life.
- **Healthcare resource utilisation is high:** 16% of respondents reported visiting A&E to seek help in the six months prior to clinic attendance, despite having seen their GPs. By contrast, only 9% of respondents reported visiting A&E for pain-related events in the six months after attending their pain clinic.
- **There is wide variation in staffing and skills mix of services:** only 81 out of 204 English pain clinics (40%) were able to fulfil the criteria for a fully multidisciplinary pain service, as defined by the presence of a physician, physiotherapist and psychologist. In Wales, six out of the ten pain clinics were fully multidisciplinary. Wales has a clear pain strategy and implementation plan in the form of directives.

Recommendations from the audit in the second report were diverse and included improvements in coding, diversity of skills available, the information gathered and advice being more accessible to patients and healthcare planners. Though while the audit was published less than a year ago, some progress has been made in key areas. These include development

of local joint strategic needs assessments based upon the data from this and the Health Survey for England, clear links on service outcomes on the NHS Choices website and submissions of topic suggestions to the National Institute for Health Research's health service and delivery programme on models of care for people in pain.

# Why and what?

## *Why was a re-audit of services needed?*

Rounds 2 and 3 of the audit showed that the quality of life of people referred to pain clinics is very poor. Most patients have more than one health problem. Clarity was needed as to whether pain services had processes in place to deal with such a disabled population including accuracy of diagnosis and assessment of suicide risk. Organisational data was displayed on the National Pain Audit website [www.nationalpainaudit.org](http://www.nationalpainaudit.org) and visible to patients. These have been linked to other sources of information on pain services such as NHS Choices [www.nhs.uk](http://www.nhs.uk) and the British Pain Society website [www.britishpainsociety.org](http://www.britishpainsociety.org). However, due to the fact that most people had not completed their pain treatment, more time was needed before publishing outcomes.

The NHS has changed considerably between the original data collection and now. Many trusts have merged and some services were commissioned to provide a county-wide service, e.g. Somerset and Gloucestershire.

During the first audit round it became clear that some services were very unstable with some providers reporting extreme difficulty or no longer in existence. The characteristics and capability of specialist out-of-hospital pain services was poorly understood. The emergence of independent Any Qualified Providers introduced an element of competition and it was unclear whether such services truly existed and whether they could be accurately described as specialist pain services.

Clinical Commissioning Groups were introduced in 2011–12 and their impact on pain service provision needs to be understood. A national Service Specification for specialised pain management has since been published for contracting with specialised pain management centres/services. NHS England now has direct commissioning responsibility for specialised pain

management services from a small number of tertiary pain management providers in England. The specification was developed by the clinical reference group for pain management during 2012/13 and is to be adopted formally from the 1st October 2013. **Importantly, it is still unclear whether current services meet patient needs and the landscape of how services are provided across the tiers of pain management provision**

## *What further information is needed from patients?*

During Round 3 of the audit it became evident that treatment was often incomplete at six months, so an understanding of the full impact of services on people in pain required further follow-up. Additionally, ethnicity data had not been collected from patients and it was agreed that it was needed.

Round 4 of the audit has had to introduce new methods to answer those questions that proved difficult to answer with the methods originally proposed. For example, to understand the relationship between hospital emergency admissions and services, a case study has been performed. This should provide better information to plan future audits.

### *Further information*

→ Organisational data is available on the National Pain Audit website [www.nationalpainaudit.org](http://www.nationalpainaudit.org)

# Methods

## *Round 4 of the audit consisted of two audits*

1. 12-month patient follow-up from those who responded to the six-month follow-up, a subsample of those who provided data at the baseline.
2. Resampling of the organisational audit with the aims of:
  - a. Gaining as complete as possible representation of clinics, to include community clinics, treatment centres, and those under Any Qualified Provider.
  - b. Reviewing clinical governance processes to include:
    - i. Protocols to manage serious untoward events.
    - ii. Treatment fidelity, i.e. appropriate skills and processes in place to carry out treatments offered.
    - iii. Clarification of accountability, e.g. if a community clinic was in place, was this an outreach service from the acute trust, standalone, or did it have some other form of accountability?

### *Note*

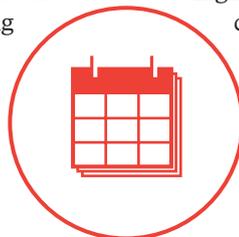
→ This audit round focused on safety and long-term outcomes

## **A: 12-month follow-up patient data**

The questionnaire administered to patients was similar to that administered at six months, with some minor revisions in the light of the six month follow-up responses. For example, poorer response rates were noted where a response was contingent on a previous response.

### **THE OVERALL RECOMMENDATIONS WERE:**

- Questions should be unconnected.
- Expected answers should be as simple as possible, preferably represented by a sliding scale or range.
- Groups of questions that followed a single conceptual theme and response format (BPI, EuroQol) seemed to perform well, so questions should aim to be consistent with these as far as possible.
- Some questions that were missed were possibly not relevant to all respondents. Where possible, questions were worded more generally, or where necessary, specific application should be clearly signalled (though that risks creating complexities of its own).



These recommendations were reflected in the design of the 12-month patient questionnaire.

Only those patients who replied at six months were sampled. Some patients had died by the first follow-up period; given the poor health of many in Round 2, there was some risk of sending questionnaires to people who had died in the intervening 12 months.

There was a deeper analysis of previous rounds to focus on healthcare use, since a key finding had been high use of emergency care, which decreased significantly following treatment in a pain service. The audit's scientific advisors felt it would be of value to examine whether this decrease was sustained.

Ethnicity was also included in this questionnaire as it was felt this was an important omission from previous questionnaires.

→ Appendix 1 shows the final 12-month follow-up patient questionnaire

## B: Provider questionnaire

Round 1 of the audit focused on identification and characteristics of specialist pain services. A re-sampling of these data was important for a number of reasons:

- A number of services had been reconfigured.
- Identification of providers had been incomplete, especially where provision was in the community.
- Providers were being encouraged to devolve services out of the acute hospital setting.
- Increasingly safety is an issue, with an emphasis on staff levels.

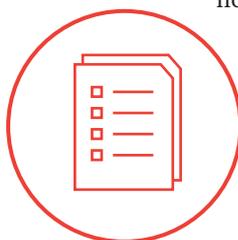
Rounds 2 and 3 demonstrated the complexity of case mix in those attending specialist pain services. In the time that the audit has been undertaken, guidelines have been introduced for pathways of care (for example, the British Pain Society's Map of Medicine persistent pain pathways). The audit therefore examined whether the services have governance processes in place to deal with the challenges of a complex case mix.

This audit round has also examined whether the staffing and skills are in place to deliver treatment according to guidelines.

A list of all potential NHS providers was extracted from the NHS Choices website. Each hospital, independent NHS provider and community trust website was searched for pain services offered, and respondents

matched to these providers. To ensure that no services were missed and that all responses were complete, participation was maximised as follows:

- The audit was included in the *How Safe is Your Hospital?* survey run annually by Dr Foster with a high response rate.
- The British Pain Society Primary and Community Care Special Interest Group reviewed the questionnaire to ensure it was appropriate to non-hospital services.



- The British Pain Society Pain Management Programmes Special Interest Group reviewed the items to ensure that these types of rehabilitation services were able to respond.
- The audit was posted on the bulletin board for UK pain consultants and reminders sent through the group [painconsultantsgooglegroup](#).
- The British Pain Society emailed all members and included reminders in its newsletter.

Clinical leads for services of non-responders were independently contacted, with support offered to complete the audit, and reminders sent.

⇒ Data items for the provider questionnaire are fully downloadable from [www.nationalpainaudit.org](http://www.nationalpainaudit.org)

## Data analysis

Detailed audit standards are outlined in Appendix 3. Data were analysed against each of these standards and reported per item.

## Key audit standards

### A: PATIENT QUESTIONNAIRE

- Advice and guidance on managing pain
- Quality of advice given
- Additional support provided
- Involvement in planning care

### Patient outcomes

⇒ Advice rated:  
good/excellent

⇒ Support:  
good/excellent

### QUALITY OF LIFE QUESTIONNAIRES

Two items were considered important to report: average pain and mean general activity interference. These were displayed graphically. Other data items are reported in chart form.

Robust evidence on clinically significant change in chronic pain for either the EuroQol or Brief Pain Inventory Questionnaire pain severity scores does not exist and thus was not included.

Case-mix adjustment methods were described in Round 3 of the audit. Given that the audit returns per provider were too small for comparisons to be reliable and the model used was over-dispersed when it came to benchmarking, case-mix adjusted scores are not reported.

### B: PROVIDER QUESTIONNAIRE

- Number of sites that the provider was operating
- Waiting time for treatment
- Number of patients receiving multidisciplinary care
- Type of service:

- a.** We looked at this using standard definitions used by the International Association for the Study of Pain (IASP) services criteria. However, as all specialist pain services might reasonably be expected to be multidisciplinary in nature, we described clinics by:
- i.** Level 1: able to deliver CBT-based treatments for less complex cases and review medication. Required minimum staffing of psychologist, physical therapist and physician.
  - ii.** Level 2: able to deliver pain services according to Faculty of Pain Medicine of the Royal College Of Anaesthetists' guidelines on comprehensive pain services that takes into account level of disability and the need to have a wide range of skills available including at bare minimum psychologist, physical therapist, physician and one other.
  - iii.** Level 3: services offering multispecialty clinics i.e. cross-cutting services.
- Protocols in place for review of missed serious pathology and assessment of suicide risk.
  - Supporting professional activities time; engagement in routine audit.
  - Governance on treatment;
    - a.** Prescribing guidance on opioids agreed.
    - b.** CBT carried out by appropriately qualified practitioner(s).
    - c.** Interventional pain medicine adverse events reporting protocol.
    - d.** Multidisciplinary team meetings.

Sites were displayed by geographical location. In a previous audit, the density of clinic provision was reported per head of population. As clinics served a number of commissioning groups, site and clusters of clinics was thought to be more meaningful.

Information on services was displayed on a *Find a Clinic* function on the National Pain Audit website and links created to the British Pain Society website and NHS Choices.

## Note

⇒ Key standard for organisational levels of service

⇒ All services to be multi-disciplinary with skills specified

⇒ Graded at three levels to match patient needs

## Case-mix adjustment single centre study

Case-mix adjustment has proved problematic. The population appears to be extremely heterogeneous and items that might contribute, such as socio-economic data and comorbidities, have not been routinely collected. HES data on outpatients does not include comorbidity and so it was not possible to link data, as had been originally intended, to understand these factors. Therefore, for this round, case-mix was not adjusted.

Further analysis of healthcare usage needed to be better understood through linkage to HES data. In order to test the assumptions on healthcare resource used to make recommendations for future audits, a case study was carried out on data from one centre where comorbidity and other items had been routinely collected at individual patient level.

These data were amalgamated with data from the audit and included emergency admissions.

We tested:

- A&E attendances six months/ 12 months prior to attendance.
- Admissions six months/12 months prior to attendance.
- A&E six months/12 months post attendance.
- Ward Admissions six months/ 12 months post-attendance.
- Outpatient attendances in various specialities.

Permission to link data had been sought at the outset of the PROMS data collection. If consent was not given to share data then they were not included.



# Results

## Providers' organisational questionnaire results

➡ Responding organisations are listed in Appendix 3

Of these, 121 submitted data in sufficient time to be included in the analysis (66%). The other 35 were uploaded to the Find a Clinic function on the National Pain Audit website and can be viewed individually. 127 acute trusts with adult services in England submitted a return, nine reported they had no pain clinic, and 21 failed to reply a total of 156 acute trusts.

Three mental health trusts submitted a return, one failed to reply and 47 reported no pain clinic (total 51).

Six community providers submitted a return with four failing to reply and 14 with no pain clinic (total 24). One independent sector treatment centre responded, one failed to reply and four were reported as having no service.

Two Welsh Health Boards submitted data, with the others responding too late to be formally included, though all services have now responded.

Three Any Qualified Providers submitted data. Six specialised children's pain services submitted data. Thus out of the total identified providers, 146 out of 182 responded in time for the data analysis, representing a response rate of 80%. In all, 20 providers who were identified as having a pain service did not submit a return. This is a substantial improvement from previous rounds.

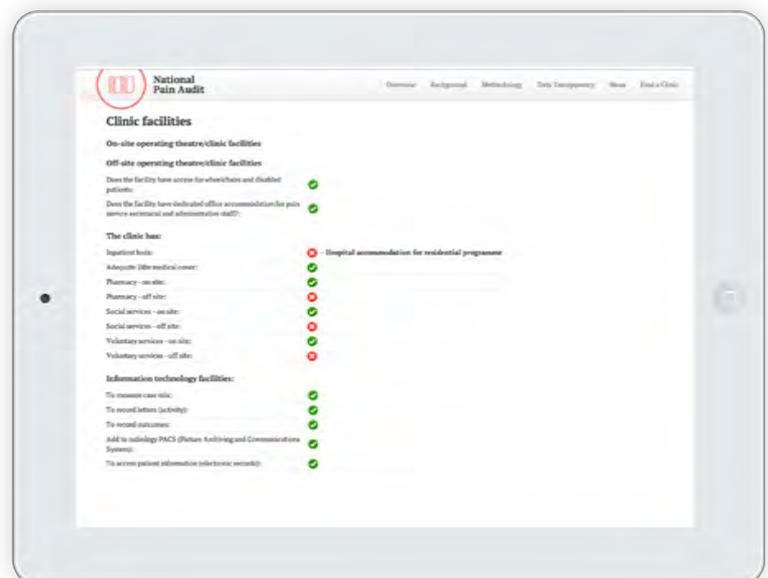
An example of the *Find a Clinic* audit pages is shown below. The ticks represent standards met, the crosses where they were not. There are four themes to the pages; general information as shown below, facilities, staffing and patient safety. A further screenshot is being developed for clinical effectiveness and patient experience together with benchmarking data. Any patient, commissioner or healthcare professional can access this information.

### Note

➡ 221 clinics representing 121 providers submitted complete data sets for analysis

➡ Six specialised children's pain services submitted data

➡ 20 providers failed to respond



Above: Find a Clinic audit page example

In total, 221 different sites were reported by the 121 services. These varied hugely from subspecialty clinics within a single hospital to county-wide services over a large geographical area. This made it difficult to establish what skills and treatments were available to the patient. Services were thus analysed both by provider and by site.

⇒ Results are reported by individual standards as in Appendix 2 with different forms of service described in Appendix 3

#### NUMBERS OF SITES PROVIDERS OPERATING:

No. of sites	No. of providers	Type of provider
1	76	Mixed
2	16	Acute
3	16	Acute & 1 AQP
4	5	Acute
5	3	Acute
6	0	
7	1	Acute
8	1	Acute

Types of clinics according to IASP classification  
(by clinic rather than provider)

Type of clinic	Number
Single modality clinic	5
Pain clinic	27
Multidisciplinary pain clinic	111
Multidisciplinary pain centre	34

#### Note

⇒ During the process of gathering data, many staff fed back that services felt fragmented with no clear sense of direction

⇒ Many reported that they did not have a clear service specification, and were uncertain as to where accountability lay for care

## Multidisciplinary standard

	Met by clinic	Not met by clinic	Met by provider	Not met by provider
Type 1: non-complex service	106	115	81	40
Type 2: FPM standard service	30	191	28	93
Type 3: multispeciality clinics	17	204	15	106
Multidisciplinary meetings	180	41	108	13

### Levels of provision

⇒ One-third of providers failed to provide even the most basic multidisciplinary care

⇒ 14% of providers offered cross-cutting multispecialty clinics

⇒ Two-thirds of clinics did not fulfil the Faculty of Pain Medicine standards for Chronic Pain Services

⇒ 34% of providers offered an inpatient service

## *Inpatient service for complex cases*

Fifty-three clinics out of 220 (24%) clinics provided an inpatient service for complex cases with 41 out of 121 (34%) at an overall provider organisational level.

### **PROTOCOLS FOR ASSESSING RISK AND REPORTING UNTOWARD EVENTS**

These are reported at organisational level only (i.e. 121 providers submitted returns in time for analysis) as it is assumed they will be implemented across all sites.

- 53 (44%) had a suicide risk assessment protocol.
- 53 (44%) had a clear process for acting on misdiagnosis: in all of these providers they were reported as serious untoward events. Many ticked not applicable although all reported that their organisation had a serious untoward event reporting mechanism.
- 114 (94%) had a process for recording drug errors.
- 104 (86%) had pain prescribing guidance with 94 (77%) having opioid prescribing guidance for non-cancer pain.
- 88% of those providing interventional pain therapy had a process in place for managing accidental misplacement of an injection, with 92% having a process in place to manage adverse events with interventional pain therapy.

### **SPECIFIC TREATMENT PROTOCOLS**

- 47 (39%) graded referrals according to IASP guidance for immediate, urgent and routine referrals. It was unclear how patients were prioritised otherwise.

- 84 (69%) reported that cognitive behavioural therapy for pain was delivered by someone trained in CBT; none ticked not applicable. It appears the remaining 31% received CBT delivered by non-qualified individuals, which is of some concern.

### **APPROPRIATE INFRASTRUCTURE IN PLACE TO DELIVER CARE**

In total, 114 out of 121 (94%) of providers had sufficient administrative support. All had wheelchair access. All had sufficient access to IT support to allow electronic letters; 106 (88%) had sufficient access to carry out audit and all these reported carrying out regular audit.

**All multidisciplinary pain centres carried out audit and research.**

### *Note*

- ➔ *Less than half of services had a suicide risk assessment protocol or a process for acting on misdiagnosis*
- ➔ *Most had a process for recording drug errors*
- ➔ *The majority had pain prescribing guidance, including opioid prescribing guidance*
- ➔ *Most had a process in place for managing accidental misplacement of an injection and adverse events*

## *Results of the patient questionnaire at 12-month follow-up*

1,799 patients replied to the follow-up questionnaire at 12 months; this represents 38% of those who sent the questionnaire. Overall this represents 17% of those who returned a questionnaire at baseline, i.e. Round 2. Of the 1,799 who responded, 1,626 (92.9%) continued to have pain. Their mean age was 59.4 with a standard deviation of 14.4, a minimum of 15 and maximum of 96 years.

Responder analysis revealed that the average age of the 12-month responders was 59 years (standard deviation 15); range from 6 to 96 years with women accounting for 65% of patients. 70% had been referred by their GPs. 17% had neuropathic pain only, and the rest was a very mixed picture. In terms of site of pain, 77% had spinal pain including low back, neck pain and sciatica. Only 38% had been discharged by one year. This may be

realistic in the sense that many patients are reluctant to be discharged, hence the fairly wide use (17%) of phone contact if necessary.

This responder cohort is in comparison with average age of the total cohort entered into Round 2 audit of 53 years (range 1 to 98 years). Women account for 64% of patients and 22% had neuropathic pain alone. Therefore the average age of responders was slightly older than the original cohort.

Ethnicity was collected for the first time in this audit round. The overwhelming ethnicity of respondents was white, reported at 92.9%. This may be a reflection either of the engagement in the audit at 12 months by a predominantly white population or of poorer access to pain clinics for non-white patients.

## Patient quality of life and pain questionnaires

The full comparison of 12-month follow up data with zero and six month data can be found in Appendix 5. Outcomes are reported as a whole. Case-mix adjustment and by-site reporting is not reported for the reasons outlined in Methods (p13).

### BRIEF PAIN INVENTORY

#### BPI PAIN

	Pain average	Pain worst	Pain least	Pain now
Minimum	0	0	0	0
1st quartile	5	6	2	4
Mean (s.d.)	5.85 (2.19)	7.27 (2.29)	4.48 (2.63)	5.86 (2.77)
Median	6	8	4	6
3rd quartile	7	9	6	8
Maximum	10	10	10	10

(N = 1712)

#### BPI INTERFERENCE

	Total interference	General activity	Mood	Walking ability	Normal work	Relationships	Sleep	Enjoyment of life
Minimum	0	0	0	0	0	0	0	0
1st quartile	4.29	5	3	4	5	2	4	4
Mean (s.d.)	6.13 (2.58)	6.51 (2.87)	5.76 (3.07)	6.33 (3.12)	6.67 (2.97)	4.78 (3.27)	6.12 (3.17)	6.46 (3.03)
Median	6	7	6	7	7.5	5	7	7
3rd quartile	8.29	9	8	9	9	8	9	9
Maximum	10	10	10	10	10	10	10	10

(N = 1712)

#### EQ-5D AT 12 MONTHS

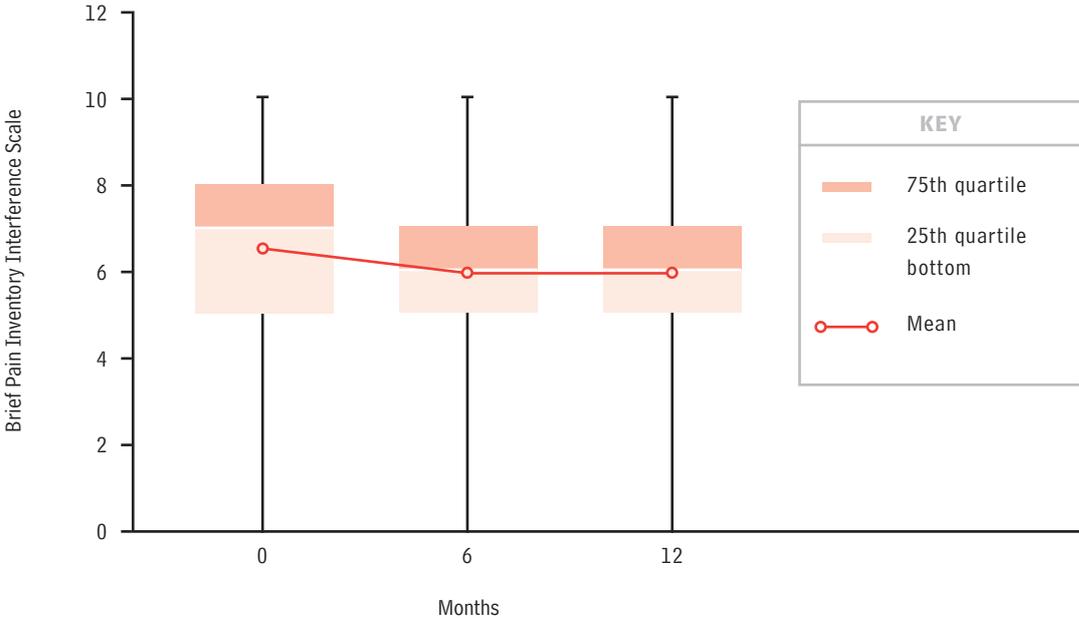
	Overall health state (0.100)	Overall EQ-5D
Minimum	0	-0.07
1st quartile	30	0.20
Mean (s.d.)	50.99 (23.12)	0.43 (0.23)
Median	50	0.43
3rd quartile	70	0.66
Maximum	100	0.85

(N = 1712)

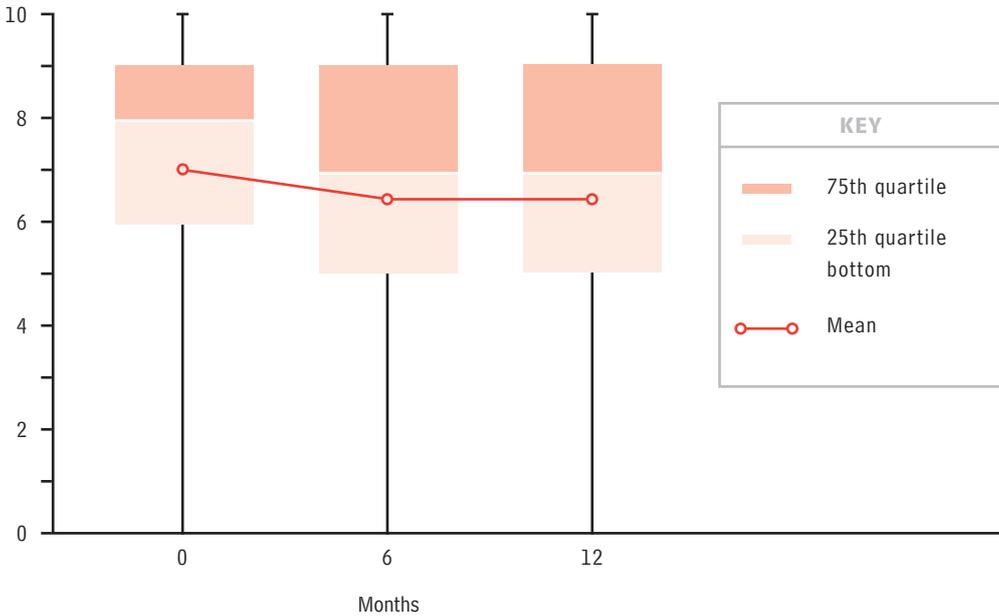
EQ-5D	Mobility		Self-care		Usual activities		Pain		Anxiety/depression	
	N	%	N	%	N	%	N	%	N	%
No problems	340	18.9	874	48.6	211	11.7	85	4.7	614	34.1
Some impact	1,372	76.3	803	44.6	1,214	67.5	920	51.1	881	48.9
Severe impact	37	2.1	70	3.9	326	18.1	723	40.2	250	13.9
Invalid responses	50	2.8	52	2.9	48	2.7	71	3.9	55	3.1
<b>Total</b>	<b>1,799</b>	<b>100</b>	<b>1,799</b>	<b>100</b>	<b>1,799</b>	<b>100</b>	<b>1,799</b>	<b>100</b>	<b>1,799</b>	<b>100</b>

### Change in average pain of the 12 month responders at zero, six, and 12 months (Brief Pain Inventory)

#### CHANGE IN ACTIVITY INTERFERENCE ITEM AT ZERO, SIX, AND 12 MONTHS (BRIEF PAIN INVENTORY INTERFERENCE SCALE)



#### OVERALL BOTH PAIN AND QUALITY OF LIFE IMPROVED AS A COHORT OVER THE 12 MONTH PERIOD



**INFORMATION ABOUT PAIN**

1. Did you want information from your NHS service about your pain?
2. Were you given information about your pain from your NHS service?
3. If you were given information about your pain, how helpful was it?

Of those who wanted information, 70.4% got it. Of those who got information, whether they had wanted it or not, 86.7% rated it fairly or very helpful

Did you want information about your pain?	Yes	No	Invalid
	1,090	447	69
Were you given information?			
Yes	767	341	
No	129	45	
Do not recall	185	61	
Invalid	6	-	

Review of information received		
	Yes	No
Very helpful	223	117
Fairly helpful	431	175
Not at all helpful	108	45
Do not recall	5	4

4. Which of these forms of information were you given, if any?

	Total receiving this form of information	% of 1,111 respondents	Only form of information given
Verbal information from your clinician	1,091	98.2	613
Information leaflets	575	51.8	137
Self-help guide	230	20.7	38
How to access online resources	42	3.8	4
Other	102	9.2	43
I did not receive any information	277	24.9	277
No response	173	-	173
<b>Total</b>	-	-	1,284

**ADVICE ABOUT MANAGING PAIN**

5. Did you want advice from your NHS service about managing your pain?
6. Were you given advice from your NHS service about managing your pain?
7. If you were given advice about managing your pain, how helpful was it?

Did you want advice about managing your pain?	Yes	No	Invalid
	1,278	411	58
Did you get information?			
Yes	842	270	
No	185	55	
Do not recall	166	55	
Invalid	6	-	

Review of information received		
	Yes	No
Very helpful	195	65
Fairly helpful	496	154
Not at all helpful	140	42
Do not recall	11	9

8. Which of these forms of information were you given, if any?

	Total	% of 1,060 respondents	Only form of advice
Verbal information from your clinician	1,061	95.8	488
Referral to another clinical or service for advice	407	38.5	134
Advice leaflet	459	43.4	71
Self-help guide	188	17.7	26
How to access online resources	41	3.9	6
Other	162	15.3	42
<b>Subtotal</b>			<b>767</b>
I did not receive any advice on how to manage my pain	299	28.2	299
No response	170	-	170
<b>Total*</b>	<b>3,042</b>	<b>-</b>	<b>1,230</b>

**TREATMENTS AND TREATMENT EFFECTS**

9. What treatments did you receive from your NHS pain service?

10. Did you find these treatments helped to reduce your pain?

Treatment	Total N	As only treatment	Very helpful	Moderate help	Little help	No help
Injections	1,034	247	68	65	64	46
Advice on medication	713	118	-	41	54	-
Physiotherapy	779	72	-	-	-	24
Pain Management Programme	518	54	-	-	-	-
Neurostimulation e.g. TENS	496	29	-	-	-	-
Psychology	123	12	-	-	-	-
Complementary therapies	194	3	-	-	-	-
Injections, physiotherapy	100	-	-	29	33	25
Injections, advice on medication	60	-	-	24	-	-
Injections, advice on medication, physiotherapy	50	-	-	20	21	-
Other	880	49	-	-	-	-

(N = 1158)

Most treatments were given in combination, as can be seen by the difference between the total number of patients who said they had each particular treatment and the number who had only that treatment. The most common combinations are represented, but there were many more reported by fewer than 20 respondents. Unfortunately, the 'other' category was provided on the questionnaire without a request for further information, so it is unknown what respondents included in this category.

Helpfulness is only reported where 20 or more respondents endorsed the answer. Many gave several answers, not only when they had received more than one treatment but even within a single treatment, such as injections.

TOTAL RESPONSES TO HELPFULNESS OF TREATMENT QUESTIONS

	N	% of 1,672 respondents
Very good help	263	15.7
Moderate help	486	29.1
Little help	576	34.4
No help	347	20.8
No response	115	-
<b>Total*</b>	<b>1,787</b>	<b>-</b>

**11. Did you need more than one type of treatment to gain pain reduction?**

	N	% of 1,652 respondents
Yes	1,317	79.7
No	184	11.1
I do not recall	151	9.1
No response	147	-
<b>Total</b>	<b>1,787</b>	<b>-</b>

**TREATMENT DELIVERY****12. Do you feel that you were given adequate information about the risks of the treatments offered?****13. Do you feel that you were given adequate information about the benefits of the treatments offered?**

Risks	N	% of 1,691 respondents	Benefits	N	% of 1,682 respondents
Yes	1,118	66.1	Yes	1,124	66.8
No	319	18.9	No	299	17.8
I do not recall	253	15.0	I do not recall	257	15.2
No response	108	-	No response	117	-
<b>Total</b>	<b>1,799</b>	<b>-</b>	<b>Total</b>	<b>1,799</b>	<b>-</b>

Two-thirds of patients felt they had enough information about the risks and benefits of treatment. There is room for a substantial improvement in this

**14. How satisfied were you with your involvement in planning your treatment?**

	N	% of 1,702 respondents
Very satisfied	459	27.0
Fairly satisfied	743	43.7
Not satisfied	247	14.5
Not satisfied: I was not involved	5	0.3
I was not involved in planning my treatment	248	14.6
No response	93	-
<b>Total</b>	<b>1,795</b>	<b>-</b>

**15. Were you given enough time to discuss your condition and treatment?**

	N	% of 1,705 respondents
Yes	1,142	67.0
No	329	19.3
I do not recall	227	13.3
I did not want to discuss my condition and treatment	7	0.4
No response	89	-
<b>Total</b>	<b>1,794</b>	<b>-</b>

**16. Were you offered a point of contact if you needed more information after the consultation?**

	N	% of 1,721 respondents
Yes	807	46.9
No	600	34.9
I do not recall	314	18.2
No response	78	-
<b>Total</b>	<b>1,799</b>	<b>-</b>

The number who reported a positive consultation and support afterwards was approximately to two-thirds of patients. It is unclear what patient expectations of care were. Variation between clinics was relatively small

**17. Have you been admitted to hospital in the past six months due to your pain condition?**

	N	% of 1,728 respondents
Yes	279	16.1
No	1,429	83.0
I do not recall	20	1.2
No response	71	-
<b>Total</b>	<b>1,799</b>	<b>-</b>

16% of patients had been admitted to hospital due to their pain condition. Given the overall cohort this is unsurprising. However, not all hospitals have a specialist inpatient service to cater for their needs

**18. Have you been discharged completely from the pain service?**

	N	% of 1,476 respondents
No	615	41.7
Yes	605	41.0
Yes but I can contact the pain service for help e.g. by phone	256	17.3
No response	108	-
<b>Total*</b>	<b>1,584</b>	<b>-</b>

A substantial minority (40%) had not yet been discharged from care

**19. Does your pain prevent you from working or seeking work?**

	N	% of 1,714 respondents
No	387	22.6
Yes	566	33.0
Not applicable	761	44.4
No response	85	-
<b>Total</b>	<b>1,799</b>	<b>-</b>

**20. If you are in work, have you had to reduce your hours due to your pain?**

	N	%
No	247	56.0 of those in work
Yes	194	44.0 of those in work
Subtotal to whom applicable	441	
Not applicable	1,122	71.8 of respondents
No response	229	-
<b>Total*</b>	<b>1,792</b>	<b>-</b>

As with previous audits the ability to work is severely impacted by pain

## Most severely affected patients

To try to make some clinical sense of the case mix, we decided to extract the numbers of patients who scored in the 'severe' range (7–10) of both pain severity and pain interference on the BPI, and those who scored a total EQ-5D in the lowest quartile (< 0.151). This produced 768 patients (8%), with a median age of 53.

A more conservative criterion for the EQ-5D required that patients scored <30/100 for overall health, had at least some problems in mobility and self-care, reported extreme pain, and moderate or extreme anxiety or depression, and inability to perform usual activities. These criteria were decided on by three clinician authors, and produced 344 patients with a median age of 52.

## Single site analysis of healthcare resource use

(Heart of England Trust and Birmingham North and East Community Clinic)

This service has both in-hospital and out-of-hospital specialist pain services. 232 patient data were used to analyse healthcare resource use before and after attendance at pain management services. The hospital clinic reported EQ-5D score of 0.34 in the hospital and 0.44 in the community clinic on arrival (i.e. below average), meaning their overall quality of life was very low.

Overall, the community clinic improved quality of life in terms of EQ-5D 0.01, BPI severity 0.63, 0.99 change in pain interference. The hospital clinic changed by 0.02 in EQ-5D, 0.33 in BPI severity and pain interference of 0.45, despite the severe case-mix.

## Outpatient attendances

Code description	Mobility			Self-care			% reduction
	New	Fup	Total	New	Fup	Total	
Orthopaedics	56	112	168	34	70	104	38%
Rheumatology	10	73	83	6	28	34	59%
Total	66	185	251	40	98	138	45%

**Outpatient attendances fell by 45% overall, with rheumatology showing the greatest overall reduction. Other conditions were too small in number to be meaningful**

For A&E, pain-related attendances reduced from 56 to 50. Back pain and non-specific abdominal pain were the most common reason for attendance. Minor soft tissue injuries accounted for a significant number of attendances (39), perhaps a reflection of overall poor function.

Although numbers fell overall there was a small increase in hospital admissions and a decrease in

non-admitted patients. These numbers were small and may be within normal fluctuations. Patients reported overall 21% attendances and 19% to A&E which correlates with Hospital Episode Statistics. Thus, despite health gain being reported by patients, a substantial number are reliant on hospital services to manage their pain.

## Discussion

Pain services have learned a great deal from this and previous audit rounds. Understanding of what is important, acceptable and possible to collect has been established. We have established clear methodologies, we understand where there are gaps, and the data generated will serve as a useful resource to shed further light on pain services.

Engagement in this audit round was far greater than previous audits. Services also seem to have been able to broaden the skills mix available to treat patients i.e. have become true multidisciplinary clinics. However much could be done to ensure that services are well matched to patient need.

## Services

Our findings from this audit suggest wide variation in how services are provided. Many services told a story of mergers and splits, with staff having to shift across boundaries to remain as a cohesive team. A typical scenario is a consultant providing nerve blockade in a hospital setting with only fixed sessions, with the remainder of the team in the community, communication is limited, risking fragmented care for patients. It also entails serial referrals from one part of the service to another, rather than more effective and economical joint sessions.

Other providers cover huge geographical areas. The number of services that fall into the specialised services specification is very small at present based on staffing levels and provision of highly specialist interventions.

Darzi modelling of services was based on volume not on outcome, but we take the view that bigger clinics are not necessarily best.

The increase overall from 40% of providers to 67% being able to deliver multidisciplinary care represents a significant shift, though this may be a function of better data quality from this audit. Most treatments were given in combination; this is appropriate as most (almost 80%) of patients stated that they required more than one type of treatment to improve. This underlines the need for a multidisciplinary, multi-component approach.

However, many services continue to have a skills shortfall. Fewer than half were able to provide basic care at a clinic site through lack of sufficient skills, although a provider overall may deliver such treatments across a wider geographical area. This suggests that even the more straightforward patients will need to travel to receive treatment.

As pain management is multispecialty, a better understanding of who is involved in managing patients with severe pain would be useful. There is currently no training programme in pain for non-anaesthetists. Recent studies report undergraduate education in pain remains woefully poor with teaching confined to the classroom rather than out on the wards and in everyday practice. This deprives students of the opportunity to practise complex skills such as communication, problem solving and clinical decision making. It may also hinder staff recruitment as practise of more advanced skills is confined to those who have decided to commit to working in such clinics. The number of multispecialty clinics was small (14%) implying that pain as a cross-cutting issue is not prioritised.

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## Safety

While nearly all centres have policies in place to manage the complications of treatment and methods of treatment, the majority have nothing in place to cover more fundamental issues such as review of misdiagnosis, and suicide risk. Both of these potentially carry a mortality risk and thus are important areas for guidance protocols for all staff. The lack of clear risk management protocols for suicide risk (44%) is concerning given the level of distress in this population. The lack of processes to learn from a missed serious pathology again questions the governance of some services. The fragmentation of services may exacerbate shortcomings in governance.

⇒ *There were significant gaps in clinical governance in relation to dealing with mental health risks and missed serious pathology*

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## Responder analysis

In terms of case mix we are aware that the sampling methods appear to have introduced bias against non-white ethnic groups. It is unlikely that lack of fluency in English, the language of the questionnaire, accounts for a large part of this. The ethnicity of patients attending UK pain clinics has not been previously recorded; the non-white population was previously reported as under-represented in a Canadian study.<sup>1</sup> It would be useful to understand this better.

The current paper-based sampling was used in anticipation of the elderly population being substantially represented among respondents. Future audits need to utilise multiple sampling techniques, including web-based.

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## Health gain on EQ-5D and BPI

Health gain on the questionnaires used was relatively modest overall. However, this may mask some patients who made substantial gains. The requirement to persist, as a recent review suggests, may mean that treatment may take a substantial period of time (beyond the time period of this audit).<sup>2</sup> Services which fall short of recommended provision are hoping that medical interventions will not only reduce pain but also reduce disability and distress, despite a large body of research showing that once pain has become chronic, it is unlikely that disability and distress will be so easily improved. Hence the need for physical and psychological therapy to coincide with or follow medical treatment. Services clearly see a wide variation in severity, i.e. they are attempting to cater for a wide variety of needs on very stretched resources.

A significant minority is being admitted with complications of chronic pain yet inpatient services for these patients barely exist. How much gain is possible is unknown for the general pain population. Very few get to pain rehabilitation programmes.

⇒ *Health gain is modest. When patients have an extremely poor quality of life and pain severity is high, substantial improvements are hard to achieve*

## Healthcare resource use single-site analysis

The single-site analysis showed that attendance at A&E changed very little over a longer time period, at variance to the patient report as per the *Final Report 2012*. Of note is that significant numbers of patients continue to be admitted for pain. This number fell within the first six months but further falls in hospital admissions did not occur. Further work needs to be done to characterise this population and the importance of having inpatient provision needs to be highlighted when planning services. However, attendance at musculoskeletal outpatients, such as orthopaedics and rheumatology, was significantly reduced. This outcome would have a large impact on healthcare resource if the impact were the same throughout England and Wales.

⇒ The single-site case study on healthcare resource use demonstrated a significant fall in outpatient attendances

## Case mix

We now know more from other audits and from our own experience about what is important. In relation to comorbidity, the list of possible comorbidities can be made less daunting than a full set for patients to complete themselves. Very severely affected patients who might reasonably expect to require significantly enhanced levels of care accounted for 8% of the case mix. It was difficult to establish whether services are matched to need; this requires deeper analysis of the data.

Outcome data can be compared internally within clinics but not across clinics because we have not allowed, for instance, for the deprivation index and other possible sources of difference. Future audits urgently need to identify other factors that can account for variation in referral rates of particular groups.

⇒ Very severely affected patients who might reasonably expect to require significantly enhanced levels of care accounted for 8% of the case mix

## General information on pain

The information collected from patients on processes of care was invaluable and sheds a useful light on the value of advice and information in this cohort. Much of this was verbal alone (55%). Although the sample size was relatively small, the fact that the proportion of patients reporting whether advice and information was useful did not vary by clinic suggests that it is important to derive tailor-made solutions that fit with a patient's processing ability.

For those patients who wanted information, 85% found it helpful. This compares favourably with back pain booklet trials and the usefulness of information-giving on health in general. 90% of people reported that they had received advice on managing pain from a variety of sources.

Patients also seem to require far more information than is anticipated by services. Many people who attend a service are likely to struggle to maintain concentration. Further research is needed into how patients wish to receive information and in what form in a pain clinic

setting that is appropriate to need. Some pain clinic advice (notably to try to remain active or to increase the level and range of activity) goes against 'common sense' advice from family and friends, and not infrequently from healthcare providers, to rest and wait for the pain to remit.<sup>3</sup>

Patients need to be able to process information, and this varies considerably between individuals. Pain reduces concentration and attention, making processing of information even more difficult. Information needs to be provided in a way that is meaningful and retrievable, and is consistent across healthcare staff. Some written/website information is available and of good quality (IASP, ARC, and others) and could be given to patients. However, this does not happen for multiple reasons. Usually it's nobody's job to restock information stands for patients, or on staff's desks, but also it takes time to establish what patients do and don't understand, and to try to make information relevant to their particular history, situation and level of comprehension.

## Information on treatments

Nearly 19% of patients reported that they were not given adequate information on the risks of treatment. Only 18% felt that they had insufficient information on the benefits of treatment. This suggests that there is still some way to go on fully informed choice. A majority (71%) were satisfied with being involved in planning treatment, although many reported wanting more time to go over options and further contact to discuss these. This suggests that decision aids<sup>4</sup> and the process of shared decision making, which is an NHS priority, could work well in this setting. Services need to evaluate the need for more information on treatment choices to improve outcomes.

45% reported treatment as being moderately or very helpful. Treatment helpfulness has been previously explored<sup>5</sup> and it is vital that centres understand which treatments patients attending their service are finding the most helpful.

➡ Many patients report needing more time to go over treatment options

## Work

Patients report that work is severely affected by pain and this continues to be the case a year after treatment. Services should include specific vocational rehabilitation to either return people to new work or retain people in their employment. This has previously been trialled successfully and NICE guidance is available yet seems to be ignored by service planners.<sup>6</sup>

## Learning for future audits

This audit produced a much greater response than the initial audit. This has been seen in other national audits, where participation rates have grown as the outputs begin to have an impact. In terms of provider responses the multiplicity of pain service models is a challenge and requires greater understanding before determining how to contact each site in the future.

In terms of patients the response rate overall was better than expected. However, future audits should use multiple methods of engaging with patients, such as online tools and paper copies to cover more of the population.

Greater investment in clinical engagement and clinical input to future audits is needed. The need to engage with colleagues and a depth of understanding of potential idiosyncrasies would greatly improve the quality and quantity of data returns.

Thought needs to be given to this prior to future sampling in order to ensure case-mix adjustment is adequately covered. Factors such as comorbidity, ethnicity and socio-economic factors may be important.

The web-based *Find a Clinic* function has worked well and led to significant feedback from clinics. Linking to patient facing websites has also been useful.

A recent Improving Access to Psychological Therapies audit commented that routine data collection is crucial, and should be part of training and treatment protocols. We would support clinics developing collection systems and some of the standards developed can be useful to support audit within clinics. Clinics are often short of time, staff, and software to assess routinely and to analyse data, and this needs further discussion.

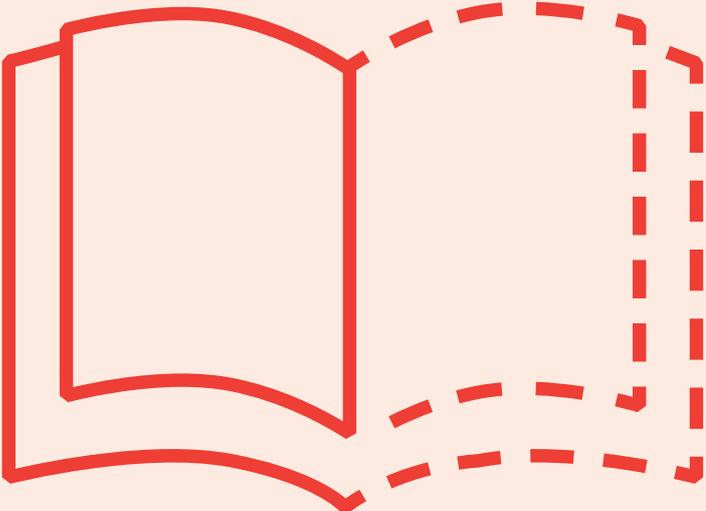
# Conclusions

Participation in the National Pain Audit has been generally good. The audit has demonstrated that it is possible to develop measures and apply clear standards of care to pain services. Many of these standards could now be adopted nationally. Case-mix adjustment is in its infancy for pain management; significant development is needed. The case study on healthcare resource use yielded interesting data but requires wider testing.

A significant proportion of patients are severely disabled and distressed and there needs to be clear provision for this cohort. Skills available to manage these patients still fall short of what is needed, though the increase in multidisciplinary care is encouraging. There are many levels of provision, and services go from very small to very large. Services can be frequently fragmented, leading to patients having to move between providers. As patients are highly disabled and struggle to maintain concentration, this fragmentation may be expensive for both the patient and commissioner. Whether services are matched to need requires greater attention. Pain has a major impact on work, yet there is little research on how health services can best help people in pain return to work or retain work.

Whilst safety protocols are apparent for treatment, governance in the area of clinical assessment is less robust. A great deal is now known about treatment of people with moderate to severe pain, but less is known about services where pain is part of another condition and specialist care is not accessed.

This audit has found where specialist services are for people in pain, characterised them and looked at the quality of care provided by them. Future audits should seek to understand in greater depth how patients are benefiting from this care and the impact of such services on NHS resources.



# Appendix 1

## *12-month follow-up questionnaire items*

### **Brief Pain Inventory follow-up questionnaire (11 items)**

### **EuroQol 5D-3L (six items including thermometer)**

### **Ethnic Group (one of six items)**

### **Did you want information from your NHS service about your pain?**

- Were you given information about your pain from your NHS service?
- If you were given information about your pain, how helpful was it?
- Which of these forms of information were you given, if any?

### **Did you want advice from your NHS service about managing your pain?**

- If you were given advice about managing your pain, how helpful was it?
- What forms of advice about managing your pain were you given?

### **Treatments received from an NHS pain service**

- Requiring more than one treatment to reduce pain
- Treatment helpfulness

### **Involvement in treatment planning**

- Do you feel that you were given adequate information about the risks of the treatments offered? (Y/N)
- Do you feel that you were given adequate information about the benefits of the treatments offered? (Y/N)
- How satisfied were you with your involvement in planning your treatment? (VRS four items)
- Were you given enough time to discuss your condition and treatment? (Y/N)
- Were you offered a point of contact if you needed more information after the consultation? (Y/N)

### **Work-related questions**

- Does your pain prevent you from working or seeking work? (Y/N)
- If you are in work, have you had to reduce your hours due to your pain? (Y/N)

# Appendix 2

## A: Patient Questionnaire

<b>Brief Pain Inventory</b>	<b>Clinically significant change = 1 point or half a SD on BPI interference subscale mean Both pre- and post-case-mix adjustment</b>	<b>% of patients attending facility who achieved clinically significant change</b>
Number who wanted information on managing pain reporting it as helpful	Excellent/good	80% reported receiving advice and guidance
Number who wanted advice on managing pain reporting it as helpful	Excellent/good	80 % reported excellent/good
Additional support provided	Excellent/good	80 % reported excellent/good
Help and advice	Excellent/good	80 % reported excellent/good
Involvement in planning care	Excellent/good	80 % reported excellent/good

## B: Provider questionnaire

<b>Item</b>	<b>Audit standard</b>	<b>Demonstrated by</b>
Identified service completed data return	Report overall number of providers who returned a questionnaire (internal audit standard)	% returned/total number of known providers
Data completeness	100 % fields completed	% of questionnaire fully completed
Data correctness	100% completed correctly - for location and treatments as inpatients reported	Cross tab with known data from HES, routine statistics under 191 code
Staffing: clinical	Level 1: multidisciplinary team of psychology, doctor and physio	100%
Involvement in planning care	Level 2: enhanced multidisciplinary team: multidisciplinary team plus at least one of nursing, pharmacy or occupational therapists as per RCOA guidance	No standard applied, just report
	Level 3: multispecialty service: enhanced multidisciplinary team plus more than one medical specialty as per service specification	No standard report, numbers only
	Co-ordination of care: multidisciplinary team meeting to discuss patient care	100%
	Presence of inpatient pain service for complex cases	100% acute providers
Staffing inpatients with persistent pain (hospital-based services only)	24/7 availability of staff	Report
For neuro-modulation and intrathecal pump insertion (spinal cord stimulation) services	Established risk assessment protocol for acting on potential suicide risk	100% providers

Item	Audit standard	Demonstrated by
Mental health support	Established risk assessment protocol for acting on misdiagnosis	100% providers
Missed diagnosis	Staff have easy access to the policy	100% providers easy access
SUI policy access	Yes/No	100% yes
Drug errors recording process	Yes/No	100% yes
Organisational guidance on pain prescribing	Yes/No	100% yes
Opioid prescribing guidance	Yes/No	100% yes
CBT by CBT practitioner	Yes/No	100% yes
CBT review after six sessions	Yes/No	100% yes
Interventional treatments wrong placement policy	Yes/No	100% yes
Interventional treatments adverse events protocol	Yes/No	100% yes
Administrative support	Access to administrative support	100% providers
Access to pharmacy support for medicine advice	100% have access 2.1 GPAS	100% providers
Administrative Support	Access to administrative support	100%
Wheelchair access	Wheelchair access	100%
IT support	Service has computerised access to notes and for audit purposes	100%
Timely access to care	IASP standards on waiting times < 1 week for emergency cases	Report figure
	< 1 month for urgent cases	Report figure
	< 1 month for urgent cases	Report figure
	< 8 weeks for routine cases	Report figure
	< 18 weeks for UK time to first treatment	Report figure
Carry out regular supporting professional activities	Teaching students - for those listed as multidisciplinary pain centre by region	100% teach
	Audit - all centres	100% audit
	Research – for those listed as multidisciplinary pain centre by region	100% research

# Appendix 3

## *Shape and form of participating providers*

<b>Provider</b>	<b>Type of provider</b>	<b>Number of services</b>
Taunton FT	Acute	8
Dorset County	Acute	2
Bristol	Acute	3
St Helens and Knowsley Hospitals NHS Trust	Acute	2
Luton and Dunstable	Acute	3
Harrogate and District NHS Foundation Trust	Acute	2
Heatherwood and Wrexham Park Hospitals NHS Foundation Trust	Acute	3
Basildon and Thurrock University Hospitals NHS Foundation Trust	Acute	2
The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust	Acute	2
Royal Cornwall Hospitals NHS Trust	Acute	3
Peterborough and Stamford Hospitals NHS Foundation Trust	Acute	2
Royal Berkshire NHS Foundation Trust	Acute	2
Northern Lincolnshire and Goole Hospitals NHS Foundation Trust	Acute	3
University Hospitals Coventry and Warwickshire NHS Trust	Acute	2
Bolton NHS Foundation Trust	Acute	2
Chelsea and Westminster Hospital NHS Foundation Trust	Acute	2
Homerton University Hospital NHS Foundation Trust	Acute	2
Heart of England NHS Foundation Trust	Acute	3
Gateshead Health NHS Foundation Trust	Acute	5
Leeds Teaching Hospitals NHS Trust	Acute	3
Wrightington, Wigan and Leigh NHS Foundation Trust	Acute	3
Royal Brompton Harefield NHS Foundation Trust	Acute	3
Northumbria Healthcare NHS Foundation Trust	Acute	4
South Tees Hospitals NHS Foundation Trust	Acute	3
University Hospitals of Morecambe Bay NHS Foundation Trust	Acute	4
East Kent Hospitals University NHS Foundation Trust	Acute	4
North Tees and Hartlepool NHS Foundation Trust	Acute	3
Southport and Ormskirk Hospital NHS Trust	Acute	4
Pennine Acute Hospitals NHS Trust	Acute	4

Provider	Type of provider	Number of services
United Lincolnshire Hospitals NHS Trust	Acute	7
University Hospitals of Leicester NHS Trust	Acute	4
Maidstone and Tunbridge Wells NHS Trust	Acute	3
East and North Hertfordshire NHS Trust	Acute	3
Nottingham University Hospitals NHS Trust	Acute	3
East Sussex Hospitals NHS Trust	Acute	2
Mid Yorkshire Hospitals NHS Trust	Acute	2
Brighton and Sussex University Hospitals NHS Trust	Acute	2
Sandwell and West Birmingham Hospitals NHS Trust	Acute	2
East Lancashire Hospitals NHS Trust	Acute	3
The Shrewsbury and Telford Hospital NHS Trust	Acute	3
Imperial College Healthcare NHS Trust	Acute	2
South London Healthcare NHS Trust	Acute	5
Western Sussex Hospitals NHS Trust	Acute	3
Pain Management Solutions	AQP	3
University Hospital of North Staffordshire NHS Trust	Acute	3

**SERVICES DESCRIBING DIFFERENT CLINICS OPERATING SEPARATELY ON ONE SITE**

Provider	Type of provider	Number of services
Salisbury NHS Foundation Trust	Acute	3
Royal Liverpool and Broadgreen University Hospitals NHS Trust	Acute	5
University Hospitals of Leicester NHS Trust	Acute	2 (specialised separately)
Buckinghamshire Hospitals NHS Trust	Acute	2

# Appendix 4

## *Providers who successfully submitted returns and were included in the analysis*

### Acute trusts

Ashford and St Peter's Hospitals NHS Foundation Trust	Heatherwood and Wrexham Park Hospitals NHS Foundation Trust
Barking, Havering and Redbridge University Hospitals NHS Trust	Hinchingbrooke Health Care NHS Trust
Basildon and Thurrock University Hospitals NHS Foundation Trust	Homerton University Hospital NHS Foundation Trust
Bedford Hospital NHS Trust	Hull and East Yorkshire Hospitals NHS Trust
Bolton NHS Foundation Trust	Imperial College Healthcare NHS Trust
Bradford Teaching Hospitals NHS Foundation Trust	Ipswich Hospital NHS Trust
Brighton and Sussex University Hospitals NHS Trust	Isle of Wight NHS Trust
Buckinghamshire Healthcare NHS Trust	James Paget University Hospitals NHS Foundation Trust
Burton Hospitals NHS Foundation Trust	King's College Hospital NHS Foundation Trust
Calderdale and Huddersfield NHS Foundation Trust	Lancashire Teaching Hospitals NHS Foundation Trust
Cambridge University Hospitals NHS Foundation Trust	Leeds Teaching Hospitals NHS Trust
Chelsea and Westminster Hospital NHS Foundation Trust	Liverpool Women's NHS Foundation Trust
Chesterfield Royal Hospital NHS Foundation Trust	Luton and Dunstable Hospital NHS Foundation Trust
City Hospitals Sunderland NHS Foundation Trust	Maidstone and Tunbridge Wells NHS Trust
Colchester Hospital University NHS Foundation Trust	Medway NHS Foundation Trust
County Durham and Darlington NHS Foundation Trust	Mid Cheshire Hospitals NHS Foundation Trust
Dartford and Gravesham NHS Trust	Mid Essex Hospital Services NHS Trust
Derby Hospitals NHS Foundation Trust	Mid Staffordshire NHS Foundation Trust
Dorset County Hospital NHS Foundation Trust	Mid Yorkshire Hospitals NHS Trust
The Dudley Group NHS Foundation Trust	Milton Keynes Hospital NHS Foundation Trust
East and North Hertfordshire NHS Trust	Norfolk and Norwich University Hospitals NHS Foundation Trust
East Cheshire NHS Trust	North Bristol NHS Trust
East Kent Hospitals University NHS Foundation Trust	North Cumbria University Hospitals NHS Trust
East Lancashire Hospitals NHS Trust	North Tees and Hartlepool NHS Foundation Trust
East Sussex Healthcare NHS Trust	Northampton General Hospital NHS Trust
Epsom and St Helier University Hospitals NHS Trust	Northern Devon Healthcare NHS Trust
Frimley Park Hospital NHS Foundation Trust	Northern Lincolnshire and Goole Hospitals NHS Foundation Trust
Gateshead Health NHS Foundation Trust	Northumbria Healthcare NHS Foundation Trust
George Eliot Hospital NHS Trust	Nottingham University Hospitals NHS Trust
Gloucestershire Hospitals NHS Foundation Trust	Papworth Hospital NHS Foundation Trust
Great Western Hospitals NHS Foundation Trust	Pennine Acute Hospitals NHS Trust
Guy's and St Thomas' NHS Foundation Trust	Peterborough and Stamford Hospitals NHS Foundation Trust
Hampshire Hospitals NHS Foundation Trust	Plymouth Hospitals NHS Trust
Harrogate and District NHS Foundation Trust	Poole Hospital NHS Foundation Trust
Heart of England NHS Foundation Trust	Portsmouth Hospitals NHS Trust

**Acute trusts**

Royal Berkshire NHS Foundation Trust	The Lewisham Healthcare NHS Trust
Royal Brompton and Harefield NHS Foundation Trust	The Newcastle Upon Tyne Hospitals NHS Foundation Trust
Royal Cornwall Hospitals NHS Trust	The Queen Elizabeth Hospital, King's Lynn. NHS Foundation Trust
Royal Devon and Exeter NHS Foundation Trust	The Rotherham NHS Foundation Trust
Royal Liverpool and Broadgreen University Hospitals NHS Trust	The Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust
Royal National Orthopaedic Hospital NHS Trust	The Royal Marsden NHS Foundation Trust
Royal Surrey County NHS Foundation Trust	The Walton Centre NHS Foundation Trust
Royal United Hospital Bath NHS Trust	United Lincolnshire Hospitals NHS Trust
Salford Royal NHS Foundation Trust	University College London Hospitals NHS Foundation Trust
Salisbury NHS Foundation Trust	University Hospital Birmingham NHS Foundation Trust
Sandwell and West Birmingham Hospitals NHS Trust	University Hospital of North Staffordshire NHS Trust
Sheffield Teaching Hospitals NHS Foundation Trust	University Hospital of South Manchester NHS Foundation Trust
Sherwood Forest Hospitals NHS Foundation Trust	University Hospital Southampton NHS Foundation Trust
Shrewsbury and Telford Hospital NHS Trust	University Hospitals Bristol NHS Foundation Trust
South Devon Healthcare NHS Foundation Trust	University Hospitals Coventry and Warwickshire NHS Trust
South London Healthcare NHS Trust	University Hospitals of Leicester NHS Trust
South Tees Hospitals NHS Foundation Trust	University Hospitals of Morecambe Bay NHS Foundation Trust
South Warwickshire NHS Foundation Trust	West Hertfordshire Hospitals NHS Trust
Southend University Hospital NHS Foundation Trust	West Middlesex University Hospital NHS Trust
Southport and Ormskirk Hospital NHS Trust	West Suffolk NHS Foundation Trust
St George's Healthcare NHS Trust	Western Sussex Hospitals NHS Trust
St Helens and Knowsley Hospitals NHS Trust	Weston Area Health NHS Trust
Stockport NHS Foundation Trust	Wirral University Teaching Hospital NHS Foundation Trust
Surrey and Sussex Healthcare NHS Trust	Worcestershire Acute Hospitals NHS Trust
Tameside Hospital NHS Foundation Trust	Wrightington, Wigan and Leigh NHS Foundation Trust
Taunton and Somerset NHS Foundation Trust	Wye Valley NHS Trust
The Dudley Group NHS Foundation Trust	York Teaching Hospital NHS Foundation Trust
The Hillingdon Hospitals NHS Foundation Trust	

**Community trusts**

Central London Community Healthcare NHS Trust
Derbyshire Community Health Services NHS Trust
Dorset Healthcare University NHS Foundation Trust
Leeds Community Healthcare NHS Trust
Solent NHS Trust

**Any qualified providers**

Dorking Healthcare LLP
Angel and Bowden
Pain Management Solutions

**Independent sector treatment centres**

BMI Goring Hall
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**Welsh providers**

Betsi Cadwaladr University Health Board
Cardiff and Vale University Health Board

**Children's services**

Alder Hey Children's NHS Foundation Trust
Great Ormond Street Hospital for Children NHS Foundation Trust
Royal National Hospital for Rheumatic Diseases NHS Foundation Trust
University Hospitals of Leicester NHS Trust
Bristol Children's Hospital
University Hospital Leeds
Manchester Children's Hospital

**Community trusts**

Bridgewater Community Healthcare NHS Trust	Norfolk Community Health and Care NHS Trust
Cambridgeshire Community Services NHS Trust	Pennine Care NHS Foundation Trust
Central and North West London NHS Foundation Trust	Shropshire Community Health NHS Trust
Hounslow and Richmond Community Healthcare NHS Trust	Torbay and Southern Devon Health and Care NHS Trust
Lancashire Care NHS Foundation Trust	Wirral Community NHS Trust
Lincolnshire Community Health Services NHS Trust	Worcestershire Health and Care NHS Trust
Liverpool Community Health NHS Trust	

**Mental health trusts**

Cheshire and Wirral Partnership NHS Foundation Trust	Northumberland, Tyne and Wear NHS Foundation Trust
Cornwall Partnership NHS Foundation Trust	Nottinghamshire Healthcare NHS Trust
Coventry and Warwickshire Partnership NHS Trust	Oxford Health NHS Foundation Trust
Cumbria Partnership NHS Foundation Trust	Oxfordshire Learning Disability NHS Trust
Devon Partnership NHS Trust	Oxleas NHS Foundation Trust
Dudley and Walsall Mental Health Partnership NHS Trust	Rotherham, Doncaster and South Humber Mental Health NHS Foundation Trust
East London NHS Foundation Trust	Somerset Partnership NHS Foundation Trust
Greater Manchester West Mental Health NHS Foundation Trust	South Essex Partnership University NHS Foundation Trust
Hertfordshire Partnership NHS Foundation Trust	South London and Maudsley NHS Foundation Trust
Kent and Medway NHS and Social Care Partnership Trust	South Staffordshire and Shropshire Healthcare NHS Foundation Trust
Leicestershire Partnership NHS Trust	South West London and St George's Mental Health NHS Trust
Lincolnshire Partnership NHS Foundation Trust	South West Yorkshire Partnership NHS Foundation Trust
Manchester Mental Health and Social Care Trust	Surrey and Borders Partnership NHS Foundation Trust
Mersey Care NHS Trust	Sussex Partnership NHS Foundation Trust
Norfolk and Suffolk NHS Foundation Trust	Leeds and York Partnership NHS Foundation Trust
North Essex Partnership NHS Foundation Trust	
North Staffordshire Combined Healthcare NHS Trust	

**Acute trusts**

Central Manchester University Hospitals NHS Foundation Trust
Ealing Hospital NHS Trust
Moorfields Eye Hospital NHS Foundation Trust
The Christie NHS Foundation Trust
The Clatterbridge Cancer Centre NHS Foundation Trust
The Princess Alexandra Hospital NHS Trust
Warrington and Halton Hospitals NHS Foundation Trust
Aintree University Hospital NHS Foundation Trust
Hertfordshire Partnership NHS Foundation Trust
Kent and Medway NHS and Social Care Partnership Trust
Leicestershire Partnership NHS Trust
Lincolnshire Partnership NHS Foundation Trust
Manchester Mental Health and Social Care Trust
Mersey Care NHS Trust
Norfolk and Suffolk NHS Foundation Trust
North Essex Partnership NHS Foundation Trust

**Providers who submitted late returns and thus were not included in the analysis but have been matched on the Find a Clinic function on [www.nationalpainaudit.org](http://www.nationalpainaudit.org)**

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Barnet and Chase Farm Hospitals  
 Barts and the Royal London University Hospitals  
 Croydon University Hospitals FT  
 Oxford University Hospitals FT  
 Royal Free Hospital  
 Royal Hospital for Rheumatic Diseases  
 The Royal Wolverhampton NHS Trust  
 South Yorkshire and Bassetlaw Pain Management Service  
 Aneurin Bevan Health Board  
 Abertawe Bro Morgannwg University Health Board  
 Cwm Taf Health Board  
 Hywel Dda Health Board  
 Powys Teaching Health Board  
 Mersey Care NHS Trust  
 Norfolk and Suffolk NHS Foundation Trust  
 North Essex Partnership NHS Foundation Trust

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**Providers who were identified as having pain management services but did not submit a return**

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Birmingham Children's Hospital NHS Foundation Trust  
 Camden and Islington NHS Foundation Trust (CHECK)  
 Derbyshire Healthcare Foundation Trust (CHECK)  
 Countess of Chester Hospitals  
 Doncaster and Bassetlaw FT  
 Kent Community Health NHS Trust  
 Hertfordshire Community NHS Trust  
 Humber NHS Foundation Trust  
 Kettering General Hospital  
 Northamptonshire Healthcare NHS Foundation Trust  
 Liverpool Heart and Chest Hospital  
 North Middlesex University Hospital  
 Norfolk and Norwich Hospitals FT Children's Services  
 Oxford Children's Pain Services  
 Pennine MSK Services  
 Robert Jones and Agnes Hunt Hospital  
 Royal Hospital for Rheumatic diseases Children's Service  
 Southampton NHS Treatment Centre  
 The Whittington Hospital London  
 Walsall Healthcare NHS Trust

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**Providers who confirmed they did not have a pain service**

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Central Manchester Hospitals  
 The Christie NHS Foundation Trust  
 The Clatterbridge Cancer Centre NHS Foundation Trust  
 Ealing Hospital  
 Moorfields Eye Hospital  
 The Royal Orthopaedic Hospital NHS Foundation Trust  
 Warrington and Halton Hospitals NHS Foundation Trust

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# Appendix 5

*Changes in pain severity, Pain interference and quality of life over the 12-month audit period*

	Pain average 0m	Pain average 6m	Pain average 12m	Pain worst 0m	Pain worst 6m	Pain worst 12m
Minimum	0	0	0	0	0	0
1st quartile	5	5	5	7	6	6
Mean (s.d.)	6.49 (1.89)	5.85	5.85 (2.19)	7.86 (1.80)	7.24 (2.21)	7.27 (2.29)
Median	7	6	6	8	8	8
3rd quartile	8	7	7	9	9	9
Maximum	10	10	10	10	10	10

	Pain least 0m	Pain least 6m	Pain least 12m	Pain now 0m	Pain now 6m	Pain now 12m
Minimum	0	0	0	0	0	0
1st quartile	3	2	4	7	4	4
Mean (s.d.)	4.84 (2.533)	4.48 (2.63)	5.85 (2.19)	6.12 (2.5)	5.77	5.86 (2.77)
Median	5	4	6	7	6	6
3rd quartile	7	6	7	8	8	8
Maximum	10	10	10	10	10	10

# Appendix 6

## *Changes in pain interface*

	General activity 0m	General activity 6m	General activity 12m	Mood 0m	Mood 6m	Mood 12m
Minimum	0	0	0	0	0	0
1st quartile	6	5	5	5	4	3
Mean (s.d.)	7.12 (2.41)	6.51 (2.82)	6.51 (2.87)	6.33 (2.72)	5.91 (3.00)	5.76 (3.07)
Median	8	7	7	7	6	6
3rd quartile	9	9	9	8	8	8
Maximum	10	10	10	10	10	10

	Walking ability 0m	Walking ability 6m	Walking ability 12m	Normal work 0m	Normal work 6m	Normal work 12m
Minimum	0	0	0	0	0	0
1st quartile	5	4	4	6	5	4
Mean (s.d.)	6.70 (3.06)	6.28 (3.23)	6.33 (3.12)	7.23 (2.54)	6.67 (2.97)	5.86 (2.77)
Median	8	7	7	8	7.5	6
3rd quartile	9	9	9	9	9	8
Maximum	10	10	10	10	10	10

	Relationships 0m	Relationships 6m	Relationships 12m	Sleep 0m	Sleep 6m	Sleep 12m
Minimum	0	0	0	0	0	0
1st quartile	3	2	2	5	54	4
Mean (s.d.)	5.07 (3.14)	4.81 (3.23)	4.78 (3.27)	6.64 (2.98)	6.21 (3.17)	6.12 (3.17)
Median	6	5	5	7	7	7
3rd quartile	8	8	8	9	9	9
Maximum	10	10	10	10	10	10

	Enjoyment of life 0m	Enjoyment of life 0m	Enjoyment of life 0m
Minimum	0	0	0
1st quartile	5	5	4
Mean (s.d.)	7.06 (2.56)	6.54 (2.9)	6.46 (3.03)
Median	8	7	7
3rd quartile	9	9	9
Maximum	10	10	10

**CHANGES IN EQ5D-3L SCORES FROM BASELINE TO 12 MONTHS**

	Overall health state (0-100) 0m	Overall EQ-5D 0m	Overall health state (0-100) 6m	Overall EQ-5D 6m	Overall health state (0-100) 12m	Overall EQ-5D 12m
Minimum	0	-0.021	0	-0.021	0	-0.07
1st quartile	30	0.238	32	0.2	30	0.2
Mean (s.d.)	51	0.49 (0.27)	50.44 (22.97)	0.4 (0.24)	50.99 (23.12)	0.43 (0.23)
Median	50	0.534	50	0.37	50	0.43
3rd quartile	70	0.73	70	0.6	70	0.66
Maximum	100	0.845	100	0.814	100	0.85

# Stakeholder feedback

## *Patient Liaison Group British Pain Society*

Many people may feel that the National Pain Audit is nothing to do with them — it's an audit of services that professionals look at to evaluate what is going on nationally. In fact it is all about the people that the service looks after, what happens to them in the service and to help individuals live their lives with their pain and maybe to relieve pain somewhat.

From the patient perspective you expect to be seen fast (really fast when in pain as every day can feel like a lifetime). You want a service that is safe, efficient and you don't even think that it would be any different anywhere else. Most patients think the NHS is the same all over — the National Pain Audit is proof that this is not true and has highlighted the poor quality of life that people living with pain experience.

The audit does show that multidisciplinary treatments are better but that it needs to be for a length of time that fits the patient's needs; it is not a one size fits all. Some patients need regular attendance to manage their pain effectively, and some are very severely affected

by their pain. In contrast staffing levels that can deliver multidisciplinary treatment are a concern for too many clinics and cannot be ignored. The number of clinics setup for specialised care is too low, meaning there is no regional leadership, and worrying low numbers of non-English speakers are accessing pain services.

Patients need information about a service to be able to ask for it, it's a catch 22. How much information do you give patients and their families about your services?

Getting to the root of the problems in your local services and finding the solutions is not always easy. Developing a cycle of continuous audit, evaluation, consultation, implementation and audit again is not rocket science but it takes courage and leadership to make changes.

Pain services need to do this — follow the guidance — still do the day job and do it with compassion and empathy. In doing so more people living in pain will lead more fulfilling lives and perhaps return to work. The benefits don't just stop with the patient but extend to their family, friends and co-workers.

## *The Chronic Pain Policy Coalition*

Since its inception in 2006, the Chronic Pain Policy Coalition has been campaigning for improved pain management services in England. Crucial to achieving this goal has been the availability of robust information on availability and performance of pain management services. To this end, the National Pain Audit has been a crucial resource and we welcome this fourth stage report. We are particularly heartened by the rise in multidisciplinary pain services and the improved participation in the Audit. This report will be crucial in supporting the

recommendations of the first English Pain Summit and will provide vital data to support the continued commissioning of high quality pain services.

The commissioning of Pain Management Services is currently under review and is in a state of flux with consideration of specialised tertiary and specialist secondary care pain management services and community and primary based services. This Audit has once again provided robust evidence of their importance and value in the management of patients with persistent pain.

### *Faculty of Pain Medicine*

The Faculty of Pain Medicine is the professional body responsible for the training, assessment, on-going practice and educational development of specialist medical practitioners dealing with pain issues in the United Kingdom. Its core mission is to serve the community by promoting professional excellence. Advancing high quality pain practice is thus fully integrated with optimising patient care.

The National Pain Audit has provided an impressively comprehensive survey of the provision of pain services. It has explored the organisational structure and processes as well as the fundamental requirement of evaluating patient outcomes. The feedback will inform the FPM, as a key stakeholder, of the current provision and limitations of services. It will thus help evolve improved standards in the clinical management, safety and efficiency of specialist pain services.

### *Royal College of General Practitioners (Placeholder)*

The authors of the fourth round of the continuing National Pain Audit (NPA) continue to give important insight into the complexities of pain services in England (and Wales). Pain remains a Clinical Priority for the Royal College of General Practitioners, which has a specific responsibility following the National Pain Summit to produce guidance on the commissioning pain services. This version of the NPA gives important reflections on some of the changing dynamics in pain services that are happening due to the reorganization of the NHS. The commissioning support document for pain professionals is about to be published, and will hopefully address

many of the inconsistencies in care that are demonstrated in this report. However the guidance will not have official prioritisation. As the NPA suggests, nationally agreed standards need to be agreed and adopted.

The report does not specifically address pain services in primary care, however the majority of chronic pain patients flow initially from primary care. Commissioning does not necessarily address what happens at the start of the treatment pathway. Thus the RCGP, along with the Faculty of Pain Medicine, intends to address core standards in pain services in Primary Care, with an emphasis on correct assessment and early treatment.

# National Pain Audit team

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Design by design to communicate

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