



Musculoskeletal Health and Care: Overview of Improvement Programmes

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Musculoskeletal Health and Care in the Context of the Long Term Plan (LTP)

- The Long-Term Plan sets out a vision for a sustainable and efficient NHS
- It recognises the growing prevalence of MSK conditions, their impact on physical and mental health services, on employment and the link to obesity and physical inactivity
- There is commitment to:
 - ✓ greater focus on prevention and population health to tacking health inequalities
 - ✓ address unmet need and delivering higher value interventions
 - ✓ reform and reconfigurations including Primary Care Networks (PCNs), reduce pressure on Emergency Care Services, redesign Outpatients and enhance use of Digital Technology
 - ✓ expand the number of physiotherapists working as MSK First Contact Practitioners in primary care networks (PCNs)
 - ✓ more investment in primary and community care
 - ✓ expansion of personalised care across the whole pathway of care
 - ✓ gaining greater clarity on existing targets (such as surgery waiting times) through the Clinical Standards Review
 - ✓ NHS organisations being Anchor Institutions for Health & Well-being at work

Integrated Care Systems



- Integrated Care Systems (ICSs) central to the delivery of the Long Term Plan brings together local
 organisations to redesign care and improve population health, creating shared leadership and action.
- They are a pragmatic and practical way of delivering the 'triple integration' of:
 - ✓ primary and specialist care
 - ✓ physical and mental health services
 - ✓ health with social care

Neighbourhood – Primary Care Networks

- populations around 30-50,00
- GP, community services (pharmacist, paramedics, MSK First Contact Practitioners, social prescribers),
 Mental Health and social care

Place

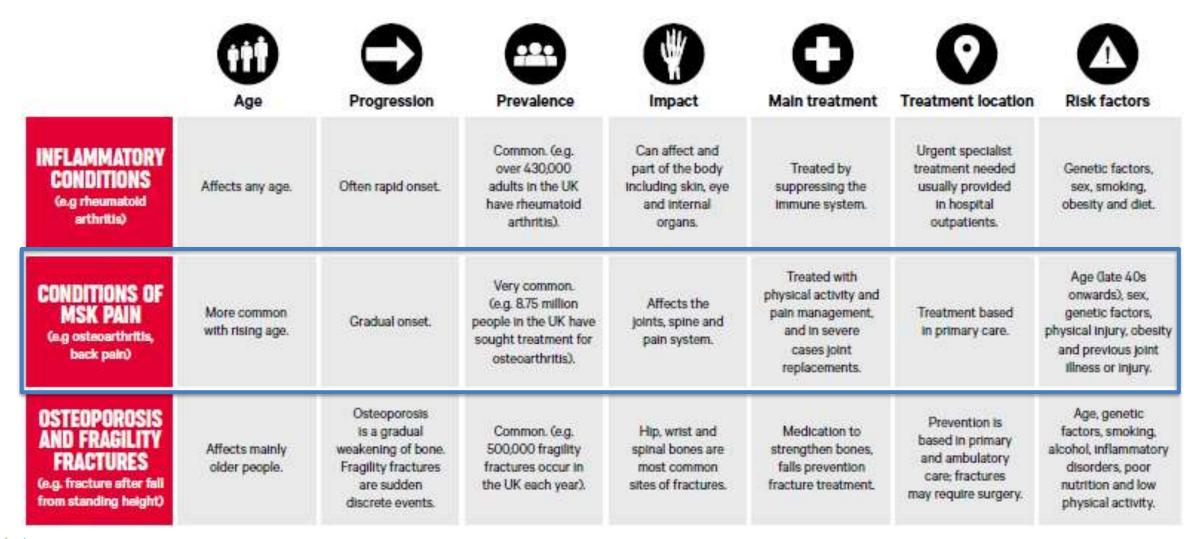
- populations 0.5-1million
- collaborations between hospitals and other providers including Local As

System

What cannot be achieved more locally

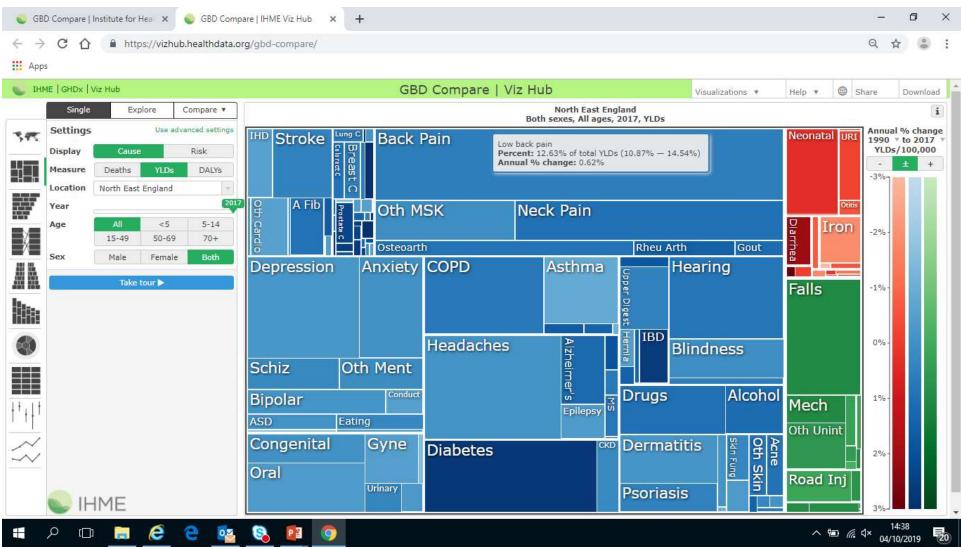
Conditions of Musculoskeletal Pain





Global Burden of Disease – Years Lived with Disability

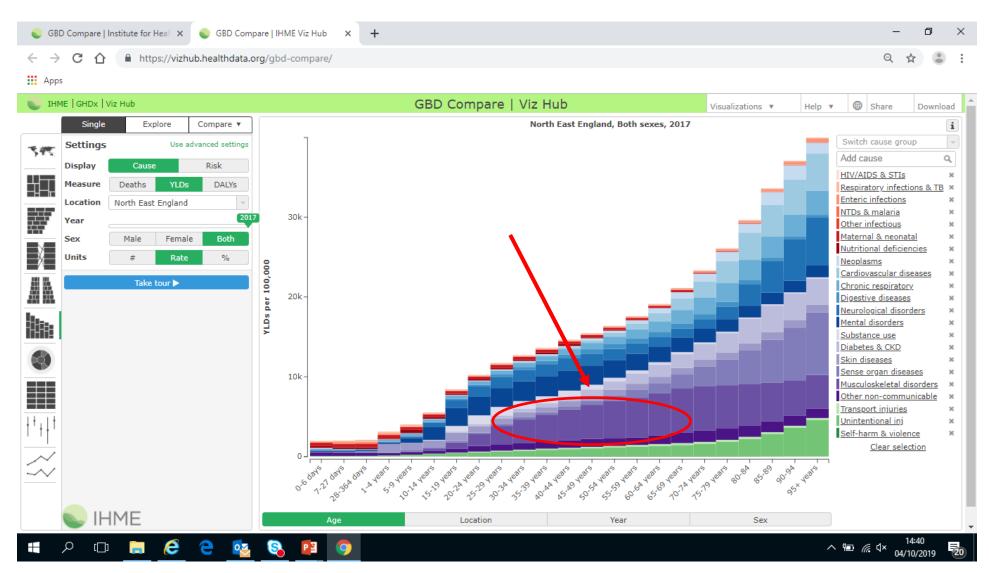
https://vizhub.healthdata.org/gbd-compare/



Burden of MSK across the Life Course



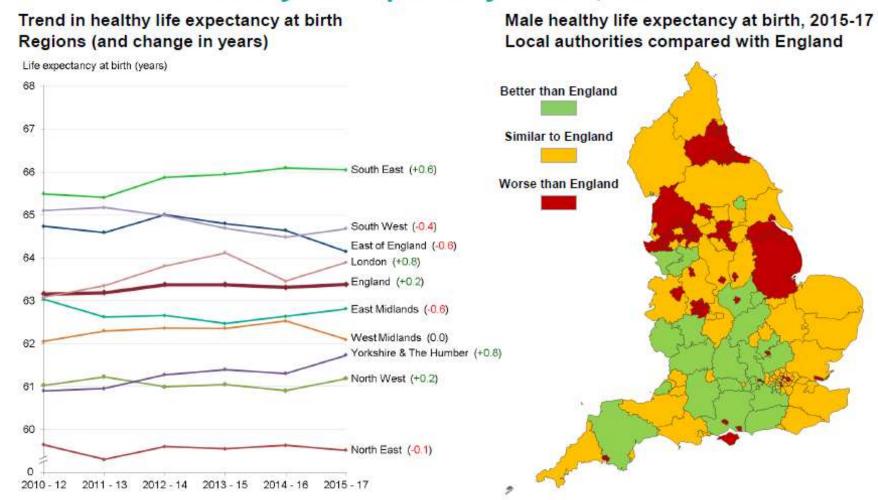
https://vizhub.healthdata.org/gbd-compare/



Long Term Plan Focus on Healthy Life Expectancy



Healthy Life Expectancy at Birth, 2010-12 to 2015-17



National Programmes involving MSK care



NHS England & NHS Improvement

- RightCare
- GIRFT
- Operational Productivity
- Elective Care Transformation Programme
- Evidence Based Interventions
- Outpatients Transformation Programme
- Personalised Care
- Primary Care Networks
- Ageing Well
- Mental Health
- Health and Work

Partner Organisations

- Public Health England
- Arthritis and Musculoskeletal Alliance
- Versus Arthritis
- British Orthopaedic Association
- British Society Rheumatology
- Chartered Society of Physiotherapy
- Royal Society of Osteoporosis
- Academic Health Science Networks

Programmes across care pathway



	Prev	vention	Problem	Presents	Intervention				
Programme	Prevention & Health Improvement for Life Style Behaviours	Early detection of people at risk of osteoporosis, falls, osteoarthritis, inflammatory arthritis	Early diagnosis and management in primary care and community.	Referral pathways to secondary care	Operative Intervention (inc. day case injections)	Non-operative Interventions			
Public Health									
RightCare									
Personalised Care									
Elective Care Transformation Programme			First Contact	Practitioners					
Evidence Based Interventions									
Specialised Commissioning									
GIRFT - Orthopaedics, Spinal Surgery, Rheumatology, APOM, Imaging & Radiology									
NHSI Op Prod									

PHE MSK Health 5-Year Strategy









MSK Health Improvement Programme themes:

- Work & Health supporting employers and employees to understand benefits of good MSK health
- Evidence into practice scale up evidence-based interventions (<u>PHE MSK Return on Investment Tool</u>).
 Incorporate MSK health messaging into existing products such as MECC, One You and All Our Health
- Data & Intelligence developing MSK Fingertips tool to support commissioning and planning of resources
- Workforce work with Faculty of Public Health, Health Education England and Royal Society of Public Health to develop wider public health workforce

Musculoskeletal Health:

A 5 year strategic framework for prevention across the lifecourse

Department of Health and Social care working with Public Health England and Department for Work and Pensions

System Collaborators



















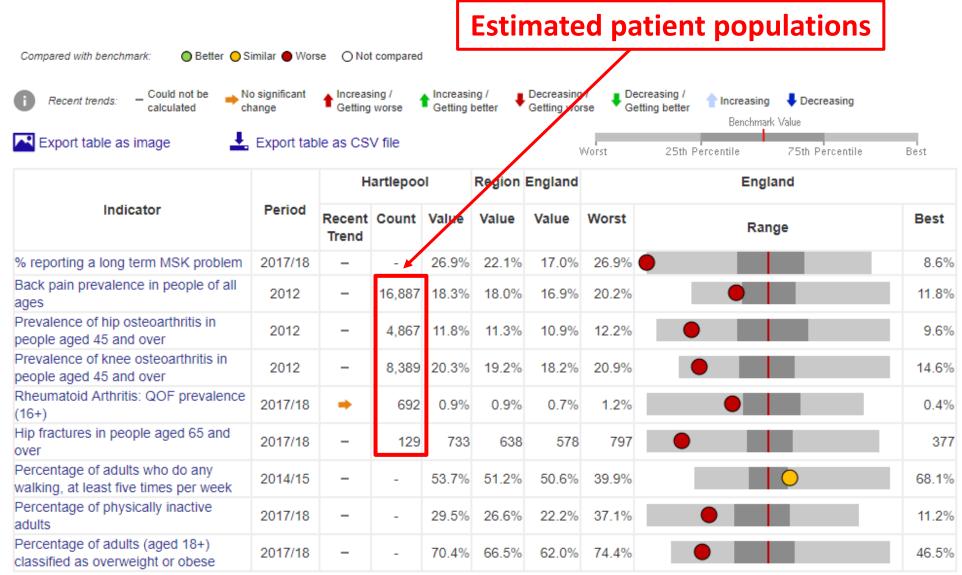
Fingertips - MSK Regional Comparison



Indicator	Period	4▶	England	North East region	County Durham	Darlington	Gateshead	Hartlepool	Middlesbrough	Newcastle upon Tyne	North Tyneside	Northumberland	Redcar and Cleveland	South Tyneside	Stockton-on-Tees	Sunderland
Percentage reporting a long term Musculoskeletal (MSK) problem New data	2017/18	⊲ ⊳	17.0	22.1	23.8	19.7	20.8	26.9	20.8	18.6	20.5	22.9	23.7	23.4	20.9	23.9
Back pain prevalence in people of all ages	2012	4₽	16.9	18.0	18.3	17.9	18.1	18.3	16.9	16.1	18.1	18.9	18.7	18.3	17.5	18.1
Prevalence of hip osteoarthritis in people aged 45 and over	2012	4 ⊳	10.9	11.3	11.4	11.3	11.1	11.8	11.3	10.6	10.9	11.3	11.4	11.5	10.9	11.7
Prevalence of knee osteoarthritis in people aged 45 and over	2012	4₽	18.2	19.2	19.7	19.3	18.8	20.3	19.2	17.5	18.5	19.1	19.8	19.7	18.5	20.3
Rheumatoid Arthritis: QOF prevalence (16+)	2017/18	4 ⊳	0.7	0.9	0.9	0.9	1.2	0.9	0.7	0.6	0.9	1.2	0.8	0.9	0.7	8.0
Hip fractures in people aged 65 and over	2017/18	⊲ ⊳	578	638	680	714	644	733	646	634	707	523	526	617	616	691
Percentage of adults who do any walking, at least five times per week	2014/15	⊲ ⊳	50.6	51.2	51.4	55.2	48.1	53.7	48.6	47.3	52.1	54.5	52.3	53.7	47.7	51.7
Percentage of physically inactive adults	2017/18	4 ⊳	22.2	26.6	29.2	27.4	23.2	29.5	30.5	22.0	29.0	23.8	24.3	27.1	26.7	28.0
Percentage of adults (aged 18+) classified as overweight or obese	2017/18	⊲ ⊳	62.0	66.5	66.7	68.3	68.3	70.4	64.9	60.8	64.9	62.2	72.5	71.7	68.0	69.2

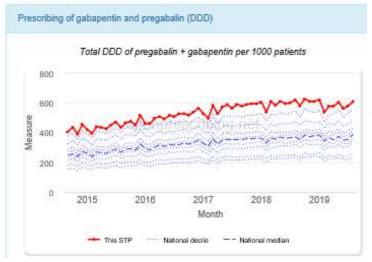


MSK Fingertips – Hartlepool Local Authority View



Primary Care Prescribing for Pain



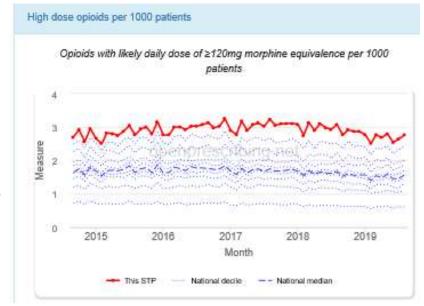


Prescribing of gabapentin and pregabalin (DDD) by CCGs in Cumbria and North East STP

Why it matters: Gabapentin and pregabalin are increasingly used in neuropathic and other types of pain, and use is rising rapidly in the NHS. There are also concerns about the potential for abuse and consequently both medicines have been reclassified legally (more information here). There appears to be no robust evidence for dose conversion between gabapentin and pregabalin. We have therefore chosen to use the Defined Daily Dose (DDD) for this measure. This is a similar dose ratio that Toth described in his paper on the substitution of gabapentin with pregabalin.

High dose opioids per 1000 patients by CCGs in Cumbria and North East STP

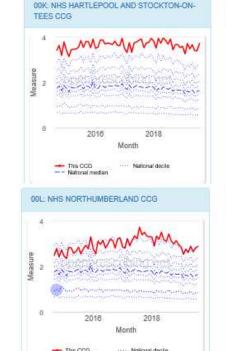
Why it matters: The Opioids Aware project seeks to improve prescribing of opioid analgesia. There is little evidence that opioids are helpful in long term pain, and the risk of harm increases significantly above 120mg morphine (or equivalent) per day, without much increase in benefit. We have assumed that if a patient is on regular doses of 120mg morphine a day or above that they are likely to have also had additional opioids for breakthrough pain. This is why we have set the threshold at ≥120mg morphine equivalence per day. The calculations are based on likely doses of long acting, regular opioids, for example morphine sulphate tablets or fentanyl patches. For example, we have assumed that MST 60mg tablets are "high dose", as they are usually taken as one tablet twice daily (120mg daily dose), whereas MST 30mg are not, as the daily dose is 60mg. We have not included preparations used for breakthrough pain, e.g. Oramorph, or opioid injections which tend to be used more commonly in palliative care. We have calculated morphine equivalencies using the tables available from the Faculty of Pain Medicine, Royal College of Anaesthetists.

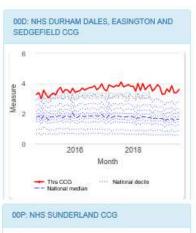


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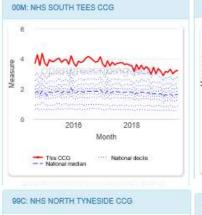


2018

Month

This CCG

- - National median

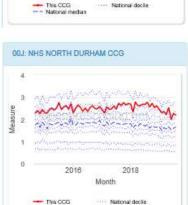


2018

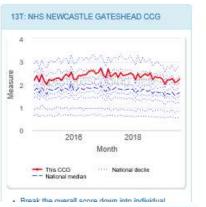
Month

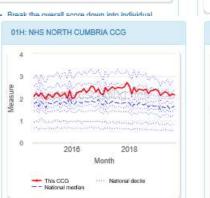
This CCG

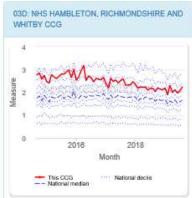
- - National median

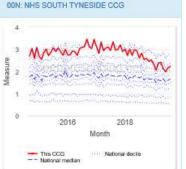


ODC: NHS DARLINGTON CCG



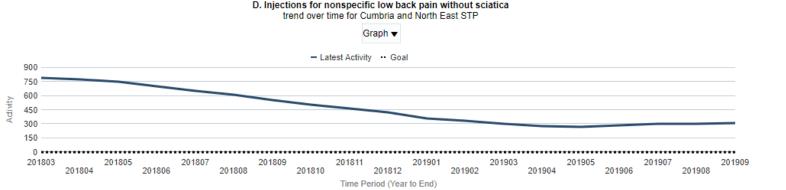


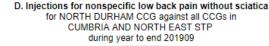




Evidence Based Interventions Dashboard – Back Injections









CCGs left to right Age-Sex Rates per 100,00

- Northumberland = 2.0
- Darlington = 2.6
- HAST = 3.2
- North Tyneside = 4.6

- HRW = 7.7
- DDES = 10.0
- North Cumbria = 10.8
- Newcastle Gateshead = 11.2
- South Tyneside = 11.70
- Sunderland = 12.1
- South Tees = 12.8
- North Durham =13.5

The evidence-based interventions programme has been developed to help make sure patients are not offered unnecessary treatment on the NHS.

Injections for back pain without sciatica should not routinely be offered by in SY&B several hundred are done each year.

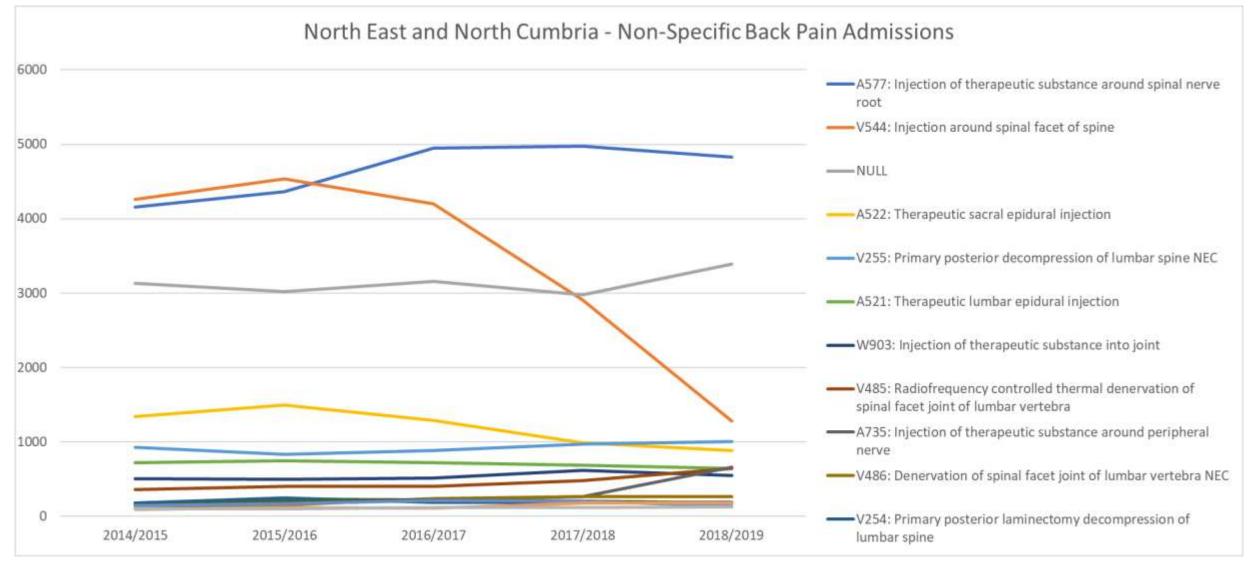
EBI Dashboard to track activity available on ePACT2

Provider Name	Spells
SPIRE WASHINGTON HOSPITAL	97
SOUTH TEES HOSPITALS NHS FOUNDATION TRUST	63
THE NEWCASTLE UPON TYNE HOSPITALS NHS FOUNDATION TRUST	54
SOUTH TYNESIDE AND SUNDERLAND NHS FOUNDATION TRUST	25
TYNESIDE SURGICAL SERVICES	23
NORTH CUMBRIA UNIVERSITY HOSPITALS NHS TRUST	22

Plus 10 NHS & Private Providers <8 each (total 24)

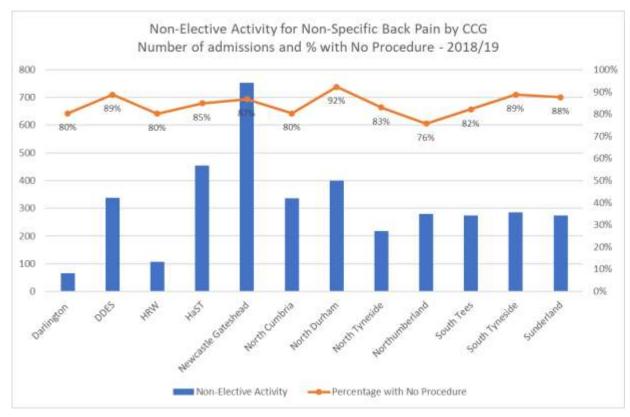
Admissions for Non-Specific Back & Radicular Pain

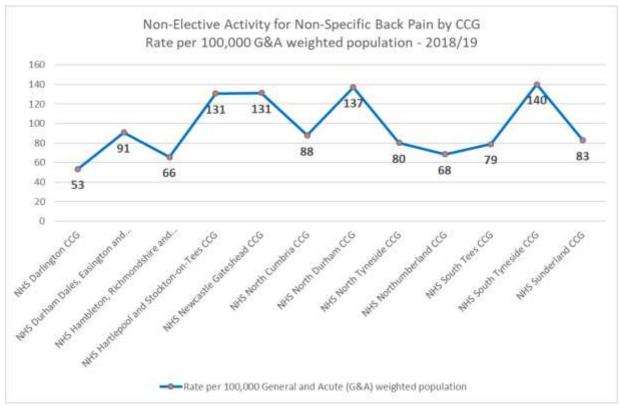




Admissions for Non-Specific Back & Radicular Pain by CCG

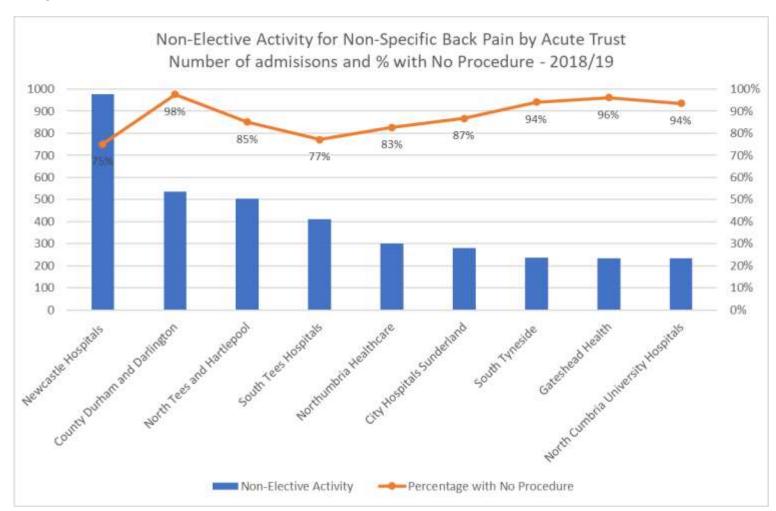






Admissions for Non-Specific Back & Radicular Pain by Acute Trust Provider





Newcastle Hospitals has the majority of non-elective admissions for nonspecific back and radicular pain.

Newcastle and South Tees are more likely to undertake procedures but a high proportion have no procedures undertaken during their non-elective admissions.



High Impact Interventions

- **STarT Back tool** a stratified care approach that can be successfully embedded into normal primary care. It matches patients to treatments based on prognosis or risk of poor clinical outcome. (https://startback.hfac.keele.ac.uk/)
- Back Skills Training (BeST) focuses on 'undoing' beliefs about low back pain, and provides skills to become more
 active, despite pain. The programme was developed by experts in psychology, physiotherapy, cognitive-behavioural
 therapy, and people with long-standing low back pain. (https://www.futurelearn.com/courses/back-skills-training-programme)
- **Joint Pain Advice** model of care is a safe and cost effective alternative to GP consultations. Involving a series of face-to-face consultations, Advisors work collaboratively with people with hip and/or knee osteoarthritis and/or back pain, focusing on supporting self-management. (https://healthinnovationnetwork.com/projects/joint-pain-advisor-exploring-a-new-model-of-care-for-chronic-joint-pain/)
- **ESCAPE Pain** rehabilitation programme for people with chronic joint pain which integrates self-management and coping strategies with an exercise regimen individualised for each participant (https://escape-pain.org/)
- **First Contact Physiotherapy Practitioners** First Contact Physiotherapists (FCPs) are advanced practitioners working within primary care with extensive expertise in the clinical assessment, diagnosis and management of musculoskeletal (MSK) conditions. FCPs see patients with (suspected or diagnosed) MSK conditions as the first point of contact, instead of a GP, and can be accessed directly by contacting the practice's reception. (https://www.csp.org.uk/publications/guide-implementing-physiotherapy-services-general-practice)

Supporting System Improvement for Conditions of Musculoskeletal Pain in North East and North Cumbria

Need to bring together improvement work across regional workstreams:

- Orthopaedic Alliance
- Spinal Surgery Network
- Regional Back Pain Programme
- AHSN Regional Opioid Strategy Group
- Better Health at Work Award
- MSK First Contact Practitioner emerging workforce in Primary Care Networks

Need to identify other relevant workstreams and intelligence to support this improvement work.