



THE
NORTHUMBRIA WAY

PEOPLE CARING FOR PEOPLE

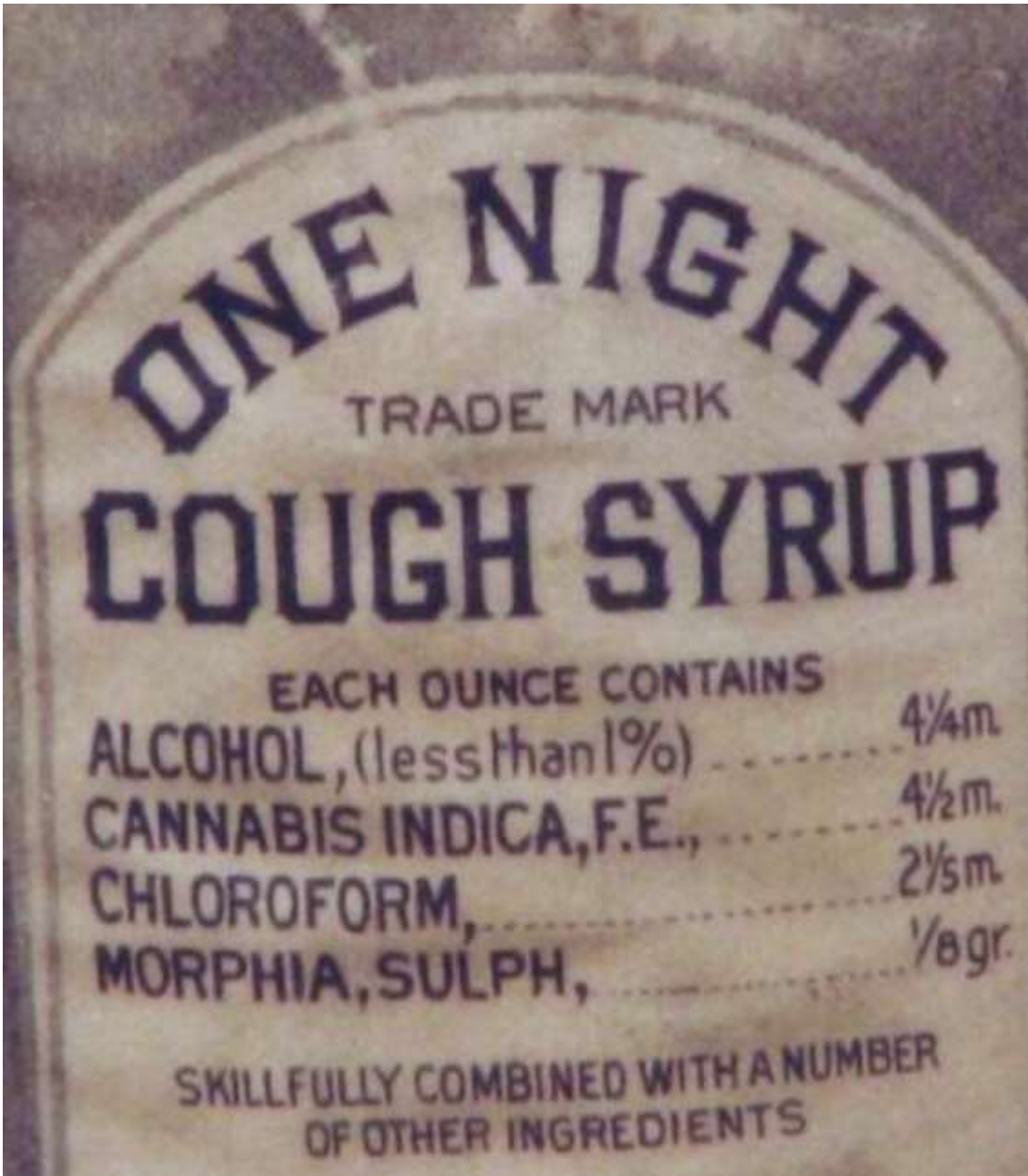
NHS England BestMSKHealth Collaborative
Shifting the Narrative

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Chair National Spine Network



Northumbria Healthcare
NHS Foundation Trust

Advanced MSK Practitioner Non Medical Prescriber



NATIONAL
SPINE
NETWORK



North East and
North Cumbria



The
Health
Foundation
Inspiring
Improvement

MSK CHAMPION
VERSUS
ARTHRITIS



UKSSB



NORTH EAST &
NORTH CUMBRIA
Academic Health Science Network



#BestMSKHealth
Collaborative



Northumbria Healthcare
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The Primary Care
Rheumatology and
Musculoskeletal
Medicine Society

BestMSK Health Collaborative



The aim of the BestMSK Health Collaborative is to recover and rebuild high quality high value personalised MSK provision, integrated across primary, community and secondary care and with mental health, social services and the third sector organisations.

This is in order to optimise delivery of evidence informed best practice guidance and pathways for prevalent MSK conditions (Osteoarthritis, back pain and fibromyalgia), core rheumatology conditions (inflammatory arthritis, autoimmune connective tissue disease and vasculitis) and fragility fractures (hip and vertebral fractures linked with fracture liaison services), driven by metrics of population health, quality and value.

Delivering whole pathway transformation



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Through	Expanding capacity, prioritising diagnosis and treatment, transforming provision of elective care and better information and support to patients				To achieve	
<p>Partnership working across systems (National, region, ICS, Place)</p> <ul style="list-style-type: none"> • Co-production • Integration • Collaboration 	Setting	Primary/ community care	Secondary /tertiary care	Primary /community care	<p>30% more elective activity by 24/25 than pre pandemic</p> <p>Improved performance against all Cancer standards - by March 24 75% patients referred urgently by GP have diagnosis or Cancer rules out within 28 days</p> <p>Integrate 26000 additional primary care roles e.g. First Contact Practitioners, health coached and social prescribers - funded by Additional Roles Reimbursement Scheme (ARRS) by end 22/23</p> <p>Prioritise and significantly reduce community service waits</p> <p>95% patients needing diagnostic tests receive it within 6/52 by March 2025</p> <p>Maintain eliminated 104 weeks waits from July 2022</p> <p>Reduce 78 week then 52 week waits from 1st July 22 with 52 week waits eliminated by 2025</p> <p>Reduce outpatient follow-ups by 25% relative to 19/20 activity by Mar 23</p>	
	Speciality	<i>Pre-hospital</i>	<i>Hospital</i>	<i>Post Hospital</i>		
	Orthopaedics Spinal services Rheumatology Falls, fragility fractures and osteoporosis (FFFO) Children and young people (CYP)	<p><i>Triage / referral optimisation / specialist advice (Emergency, urgent and high volume conditions)</i></p> <p><i>Diagnostics (Community Diagnostic Centres and MSK ambitions in Richards Report)</i></p> <p><i>Rehabilitation</i></p> <p>Supported self-management</p>	<p><i>Urgent emergency and high-volume low complexity work</i></p> <p><i>Supporting those waiting</i></p> <p><i>Diagnostics</i></p> <p><i>Personalised follow up care / Patient Initiated Follow up (PIFU)</i></p>	<p><i>Post procedural rehabilitation</i></p> <p>Support self-management</p>		
	Priority	Emergency, Urgent, High volume, Long term conditions				

Core recommendations



Recommendation #1

System leaders, through agreed governance models, driving MSK restoration and transformation should have:

- i. specialist knowledge of MSK
- ii. An in-depth understanding of what matters to local people with lived experience to co-produce their restoration plan and transformational strategy
- iii. understanding of local resource availability
- iv. an appreciation of both local barriers and enablers for change

Recommendation #2

System leaders should identify principles of what works well to share with others, enabling them to adapt and adopt accounting for local resources and population needs

Recommendation #3

Engage in quality shared decision making at all times [NHS England - Shared Decision Making](#) utilising [Decision Support Tools \(DSTs\)](#) as appropriate.

Recommendation #4

Optimise primary and community care triage to facilitate timely, and appropriate, referral to diagnostics and specialist care

Recommendation #5

Support the majority of people with MSK conditions who do not require hospital care to live well within the community adopting a personalised care approach

Recommendation #6

Adhere to procedure specific High Volume Low Complexity pathways & deliver GIRFT standard against the relevant metrics across specialities

Recommendation #7

Adhere to the Effective Commissioning Initiative (ECI) recommendations [NHS England » Evidence-Based Interventions: Guidance for Clinical Commissioning Groups \(CCGs\)](#)

Recommendation #8

Optimise appropriate use of digital resources (platforms, apps, devices or other technologies)

Recommendation #9

Use patient initiated follow up (PIFU) where appropriate. [NHS England - PIFU](#)

Recommendation #10


Make use of virtual consultation where appropriate (telephone or virtual)

Recommendation #11


Minimise the risk of dependence and adverse drug reactions through stewardship of NSAIDs and dependence forming medicines



BestMSK Spinal MRI: Patient Advice



- MRIs provide a picture of the anatomy of the spine.
- MRIs cannot tell how someone feels and are not a diagnosis.
- MRIs can be used to plan treatment with you and rule out serious conditions such as cancer or fractures.
- MRIs are rarely needed for people with back or neck pain.
- MRIs should be requested after assessment by a specialist.



- Some of the words used in MRI reports can sound scary. However, we know that nine out of ten people with no pain have degeneration of discs on MRI^{1,2}.
- These findings are more common as we become older and can be signs of a naturally maturing spine.

If you have any questions in relation to your report, please discuss with the clinician who sent you for the MRI.

References:

1. Jarvik JJ, Hollingworth W, Heagerty P, Haynor DR, Deyo RA. The Longitudinal Assessment of Imaging and Disability of the Back (LAIDBack) Study: baseline data. *Spine (Phila Pa 1976)*. 2001 May 15;26(10):1158-66.
2. Nakashima H, Yukawa Y, Suda K, Yamagata M, Ueta T, Kato F. Abnormal findings on magnetic resonance images of the cervical spines in 1211 asymptomatic subjects. *Spine (Phila Pa 1976)*. 2015 Mar 15;40(6):392-8.

BestMSK Spinal MRI: Clinician Advice



I'll just send you for a scan!

- Most back or radicular pain settles within 3 months. Early unwarranted MRI scans are associated with higher intervention rates and worse outcomes.
- MRIs give an accurate picture of spinal anatomy which can help plan treatment in suspected serious conditions such as cauda equina syndrome, cancer, fractures, and infections.
- They cannot tell how someone feels and are not a diagnosis.
- MRI is rarely indicated for back or neck pain and should only be organised after assessment by a spinal practitioner.
- Spinal MRI findings always need to be interpreted in the context of a clinical assessment.
- Findings described in MRI reports are very common in people with NO PAIN, such as disc degeneration (91%), disc bulges (64%), disc protrusion (32%), annular tear (38%)¹. These findings increase with age and can be signs of a naturally maturing spine.
- Nine out of ten people with NO neck pain have disc bulges on MRI and most people in their 20s have bulging discs².
- There is good evidence to suggest that unwarranted MRI scans are detrimental to patient wellbeing and lead to poorer outcomes³.

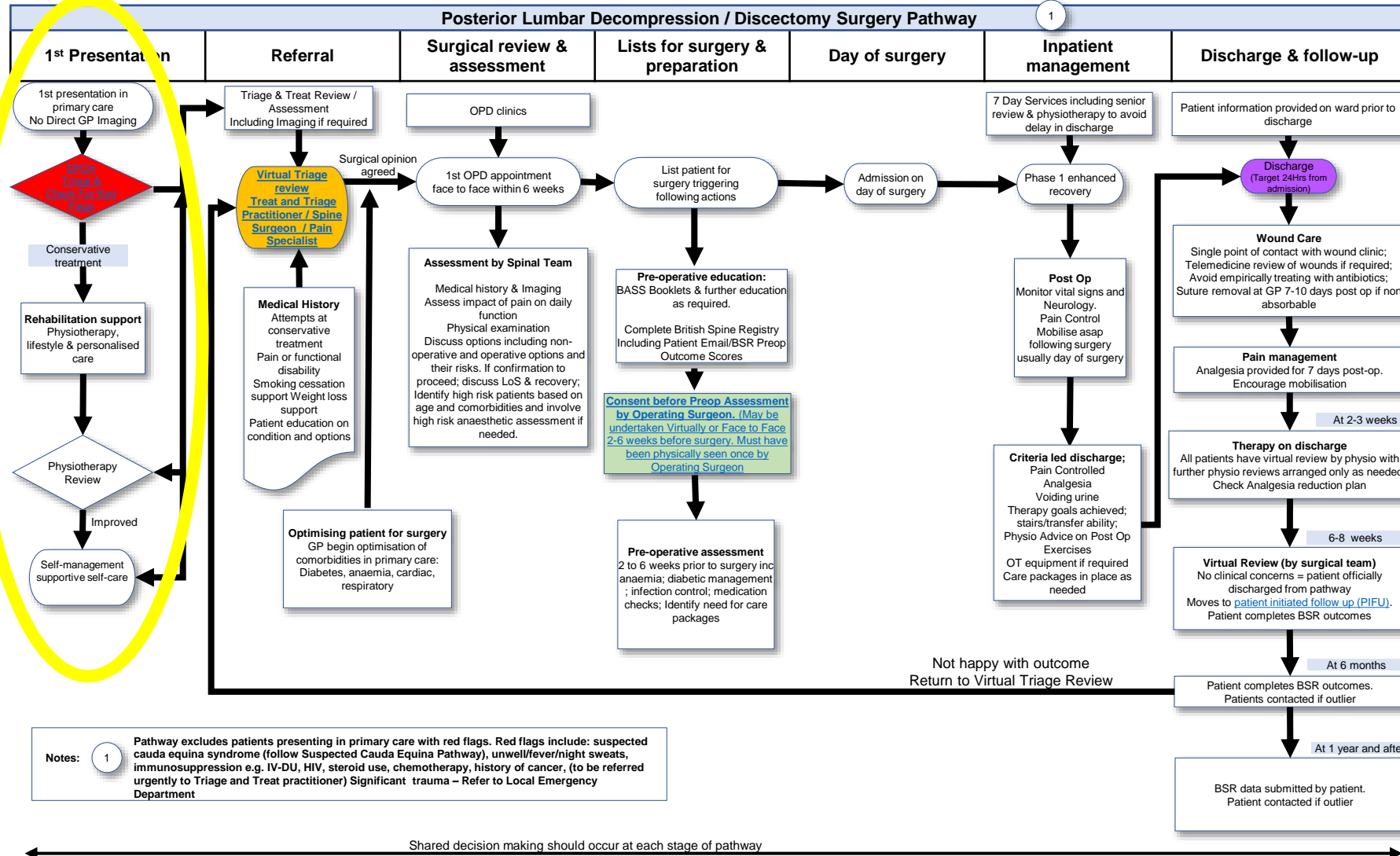


Please follow BestMSKHealth pathways for management of patients presenting with neck, back and/or radicular pain: <https://future.nhs.uk/NationalMSKHealthView?objectId=30917712>

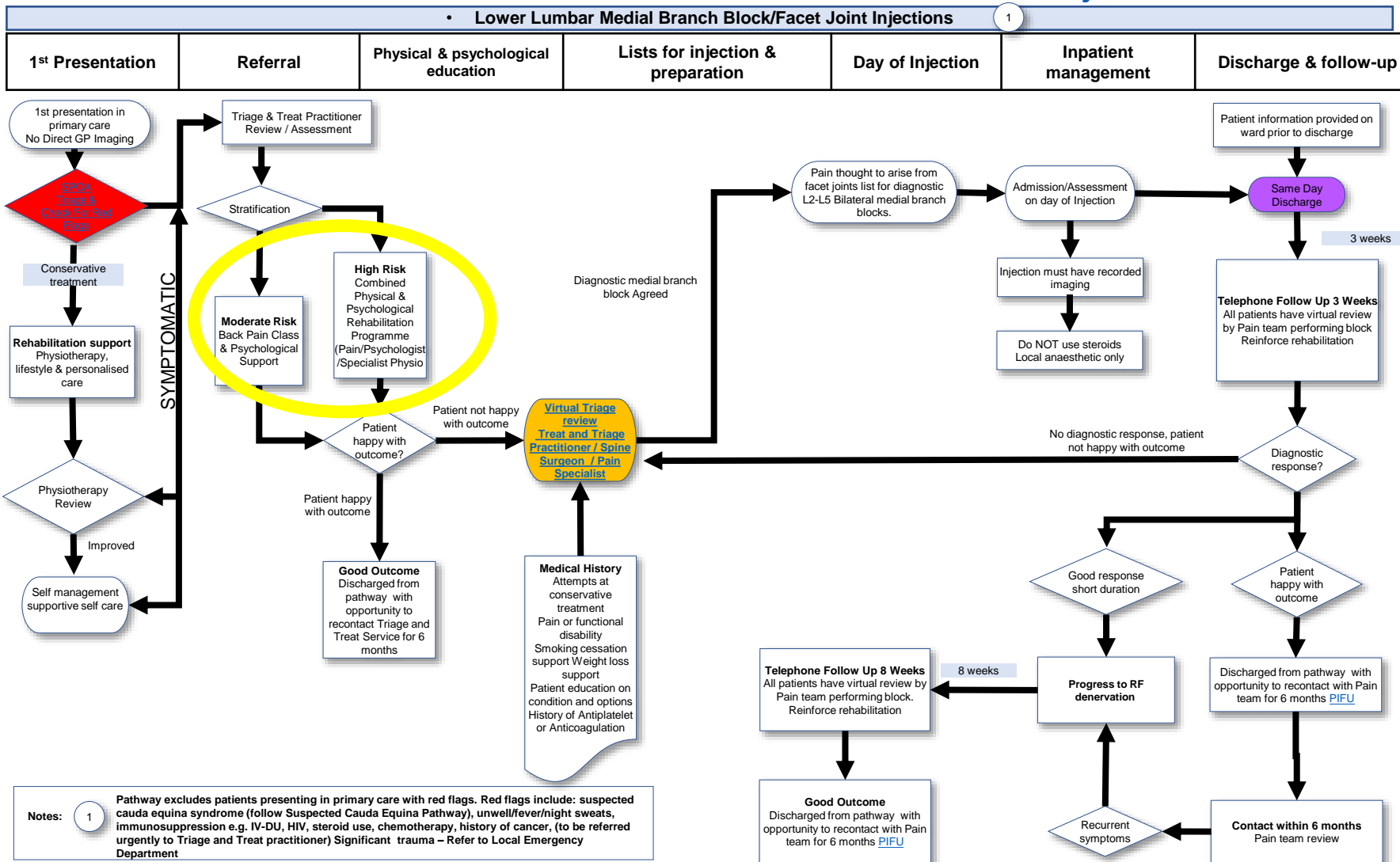
References:

1. Jarvik JJ, Hollingworth W, Heagerty P, Haynor DR, Deyo RA. The Longitudinal Assessment of Imaging and Disability of the Back (LAIDBack) Study: baseline data. *Spine (Phila Pa 1976)*. 2001 May 15;26(10):1158-66.
2. Nakashima H, Yukawa Y, Suda K, Yamagata M, Ueta T, Kato F. Abnormal findings on magnetic resonance images of the cervical spines in 1211 asymptomatic subjects. *Spine (Phila Pa 1976)*. 2015 Mar 15;40(6):392-8.
3. Sajid IM, Parkunan A, Frost K. Unintended consequences: quantifying the benefits, iatrogenic harms and downstream cascade costs of musculoskeletal MRI in UK primary care. *BMI Open Quality* 2021;10:e001287.

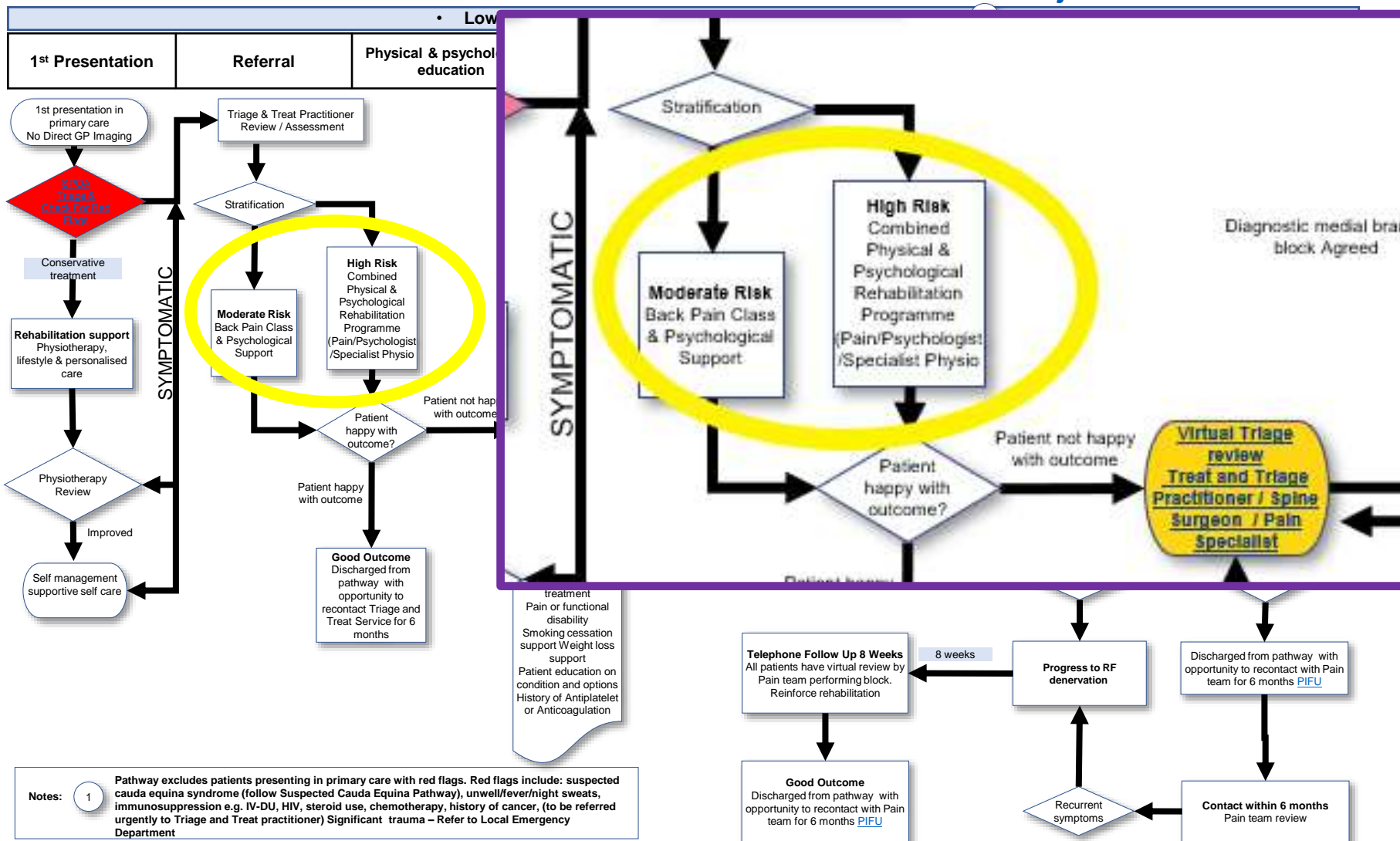
Back and Radicular Pain: Posterior Lumbar Decompression / Discectomy



Back and Radicular Pain: Lower Lumbar Medial Branch Block/Facet Joint Injections



Back and Radicular Pain: Lower Lumbar Medial Branch Block/Facet Joint Injections



Shared decision making should occur at each stage of pathway

Sign in & Check out

<https://future.nhs.uk/NationalMSKHealth/groupHome>

The screenshot shows the FutureNHS web application interface. At the top, there is a navigation bar with the FutureNHS logo, a home icon, and links for 'My Dashboard' and 'My Workspaces'. A search bar and a user profile for 'diarmaid ferguson' are also present. The main content area displays the breadcrumb 'BestMSK Health Collaborative > Primary and Community Care' and a large heading 'Primary and Community Care'. Below this, there is a profile card for Chris Mercer, MSK Primary and Community Care Workstream Lead, featuring a photo and a detailed bio. A yellow call-to-action button at the bottom right says 'Check out the Toolbox - Primary and Community MSK services' with a wrench icon. On the left, a sidebar menu lists various categories like 'MSK and COVID-19 Information', 'Regions work area', and 'Primary and Community Care'.

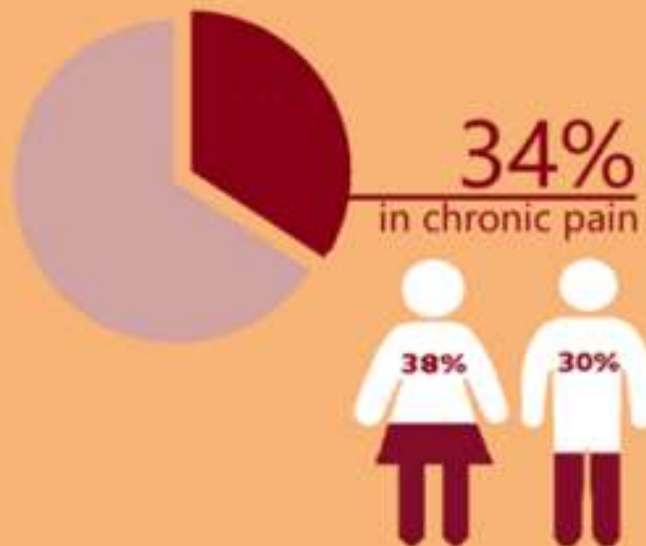


Shifting the narrative

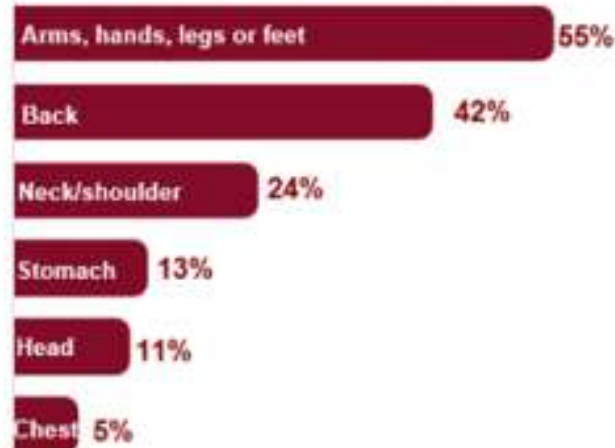


Chronic pain in adults 2017 - Summary

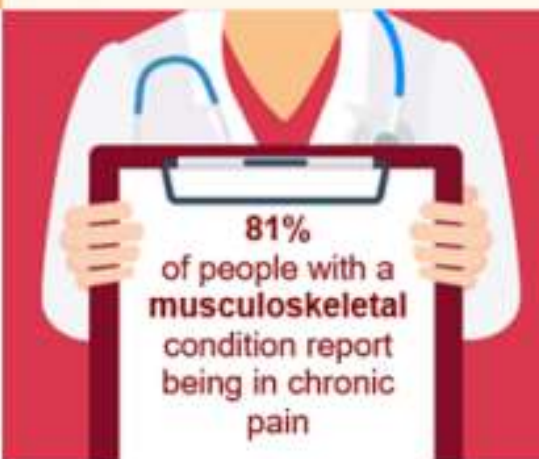
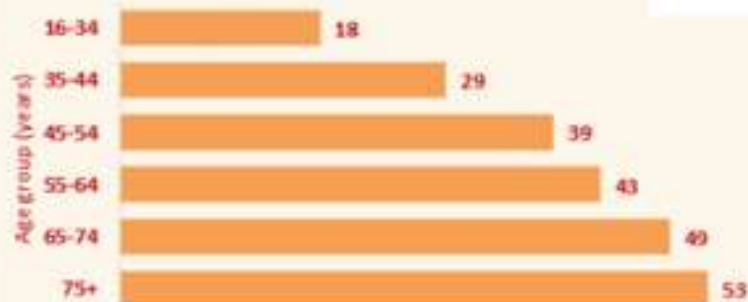
Source: Health Survey for England 2017



Location of chronic pain



Chronic pain increases with age



Chronic pain increases with BMI

Opioids : Fake news

- Discrepancy between trial protocols and published paper is 79% in analgesic trials
 - 30% are unambiguous lies
 - Registered primary outcome not reported
 - Primary outcomes switched
- Spin was found in 80% of systematic reviews in LBP
 - Also in the vast majority of trials , Cochrane did better
- Only 10% of people with chronic pain qualify for trials
 - 90% do not qualify
 - People with mood disorders - 75-85% excluded

Smith et al 2013 Pain

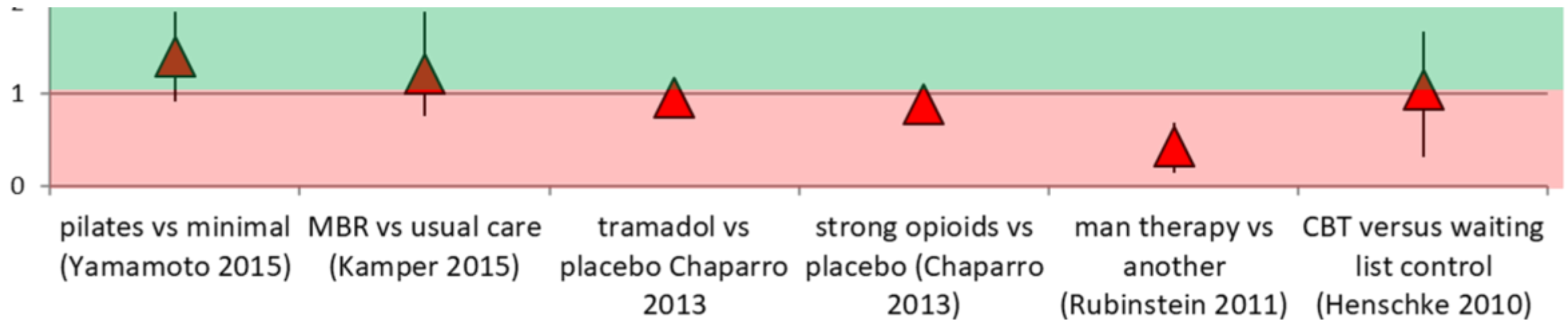
Lancet Psychiatry Humphreys 2017

Opioids: untidy, unsatisfactory, probably unsuitable

- Withdrawal rates in trials of traditional opioids in CNCP are usually high
 - 40% over the first 3wks, 60% + over 12 weeks- , usually side effects.
- Biased Imputation methods
 - last-observation-carried-forward (LOCF) are used in most trials. take the pain score of someone who withdraws carries that forward to the end of the trial, even though they are not taking the tablets. Results Bias changes *'this drug works'* = *'this drug is no better than placebo'*.
- Only 2 quality studies show a traditional opioid can provide good long term pain relief
 - only 5%-10% of people ,oral morphine 120 mg daily .
- Opioid adverse events are common - observational evidence linking opioid use (especially high doses) to mortality, suicide, fracture, cardiovascular events, and hospital admission

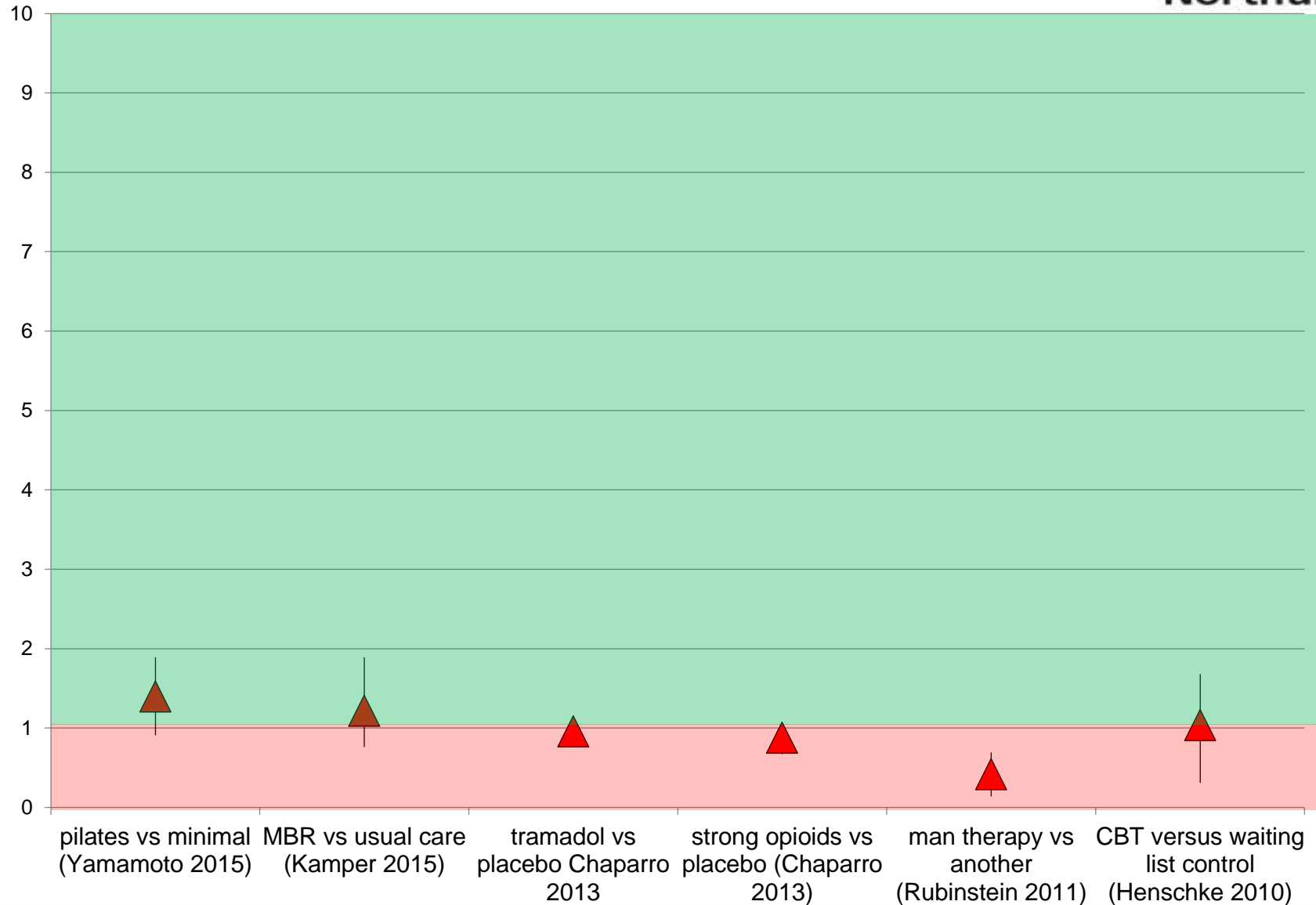
Stannard , Moore 2020 <https://uk.cochrane.org/news/traditional-opioids-chronic-non-cancer-pain-untidy-unsatisfactory-and-probably-unsuitable>

Chronic low back pain – Treatments

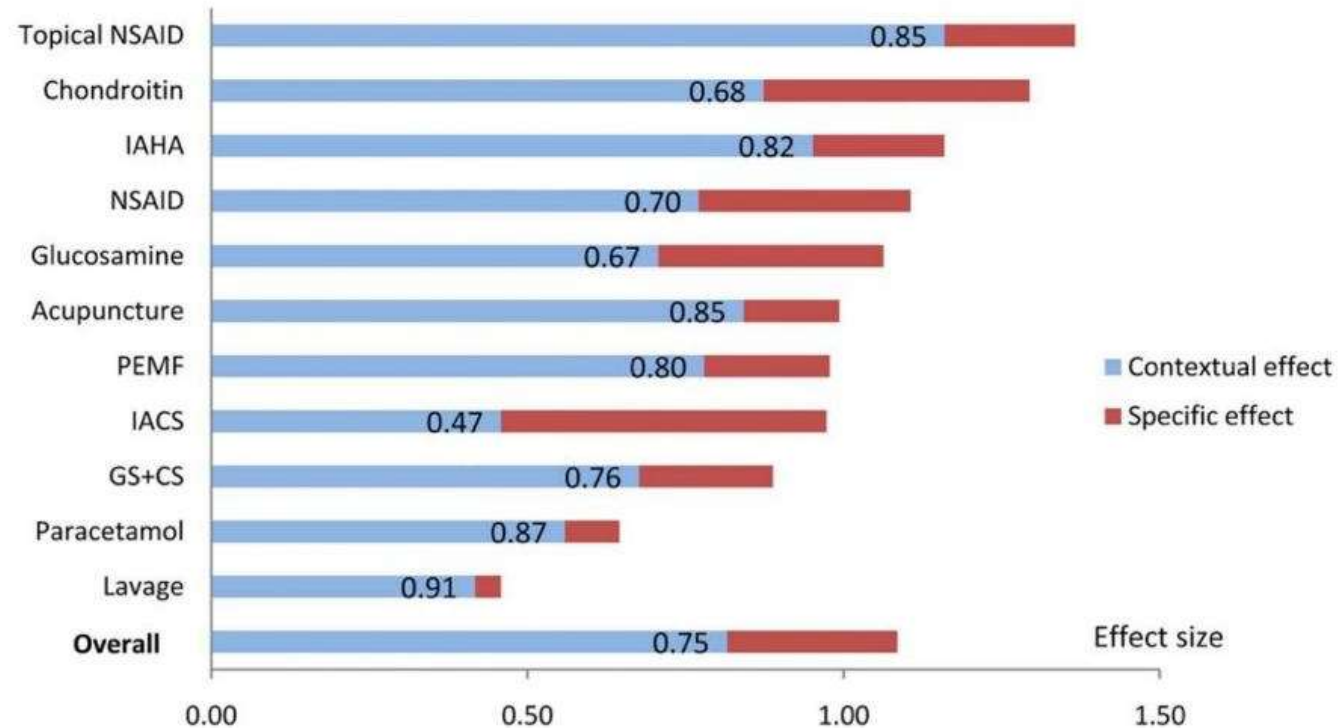


Slide courtesy of @NeilOConnel

Chronic Low back pain - Treatment effect sizes



The contextual effect is more STRONGER than specific treatment effect you deliver



Zou et al (2016). Examination of overall treatment effect and the proportion attributable to contextual effect in osteoarthritis: meta-analysis of randomised controlled trials

Chronic pain in over 16s: assessment and management

There is **no medical intervention, pharmacological or non-pharmacological, that is helpful** for more than a minority of people with chronic pain, and benefits of treatments are modest in terms of effect size and duration.

Additional morbidity resulting from treatment for chronic pain is not unusual, so it is important to evaluate the treatments we offer for chronic pain, to focus resources appropriately and to minimise harm.

The complexity of chronic pain and the association with significant distress and disability can influence clinical interactions. People often expect a clear diagnosis and effective treatment, but these are rarely available.

GPs and specialists in other fields find chronic pain very challenging to manage and often have negative perceptions of people with pain. This is despite the fact that in every specialty there are some people with chronic pain. This can have important consequences for the therapeutic relationship between healthcare professionals and patients.

A clear understanding of the evidence for the effectiveness of chronic pain treatments:

- improves the **confidence of healthcare professionals in their conversations about pain**, and
- helps healthcare professionals and patients to have **realistic expectations about outcomes** of treatment.

NICE Guideline: Chronic pain in over 16s: assessment and management, April 2021

<https://www.nice.org.uk/guidance/GID-NG10069/documents/draft-guideline>

Time for a paradigm shift

- Medicines- The drugs don't work ! (as well as we were led to believe)
- Hospital based care – more Pain services /clinics ?



Time for a paradigm shift

- Time for a paradigm shift in pain management
- Shift from treating pain to living better lives with pain
- Shift back to the community !

Paradigm shift

- Move from offering fix/ cure

To

- Understanding and developing an individual management plan
- Behave more like a 'Gardener' less like a 'Tree surgeon'
- Act as a 'Guide at the side' not 'the Sage on the stage'

Is it time to reframe how we care for people with non-traumatic musculoskeletal pain?

Reference: J. Lewis & P. O'Sullivan, BJSM 2018
@JeremyLewisPT, @PeteOSullivanPT

Designed by @YLMsportScience with 



BIOPSYCHOSOCIAL MANAGEMENT OF MSK PAIN

Is like Teenagers and Sex;
Everybody talks about it,
Nobody really knows how to do it,
Everyone thinks everyone else is doing it,
So everyone claims to be doing it.

apologies to Dan Ariely .



Biopsychosocial Pancake

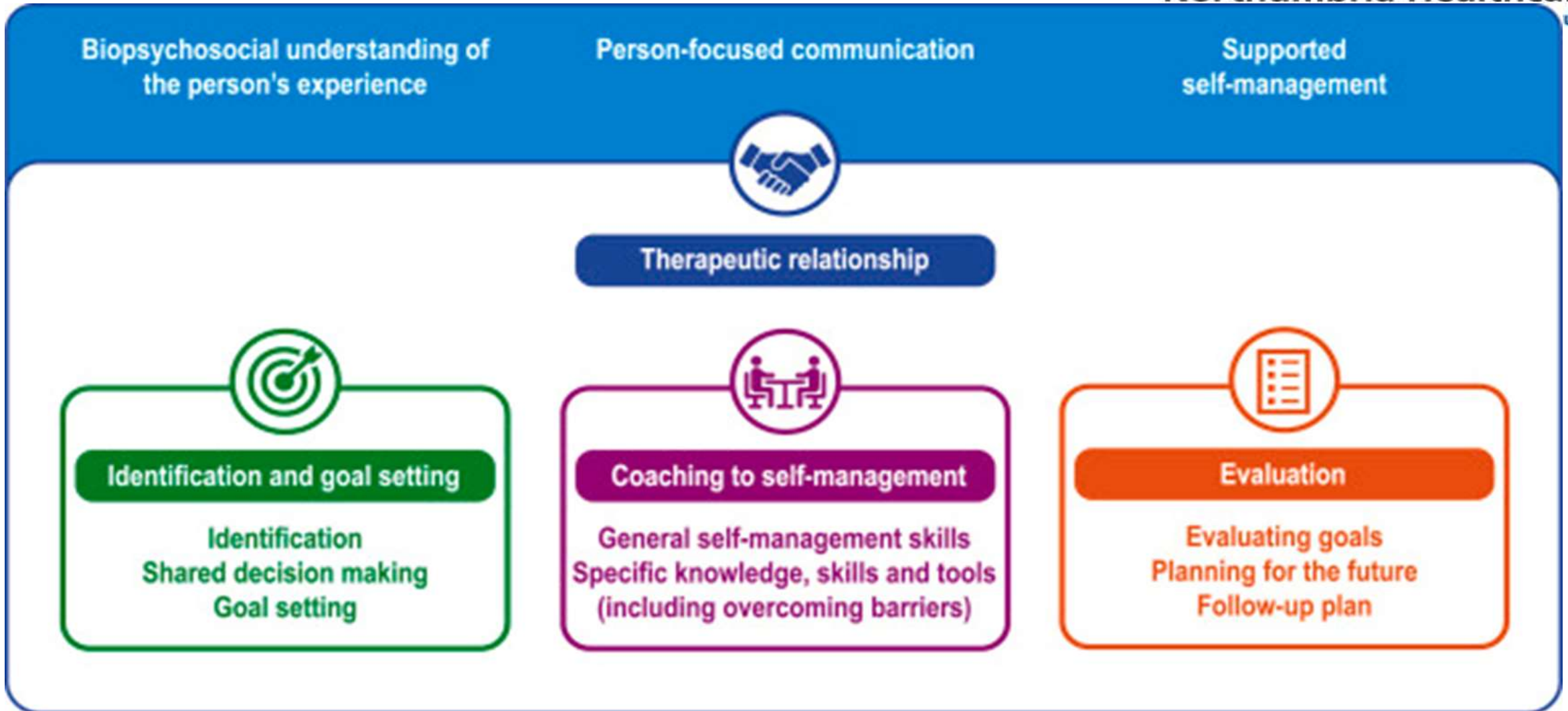
By the time the patient arrives seeking help they are often a fully cooked pancake and the ingredients of causation are inseparable.



@retlouping

<https://causehealthblog.org/2021/01/11/whats-in-a-word-its-all-biopsychosocial-and-a-part-of-the-complex-human-ecosystem/>

Person-centered care for musculoskeletal pain: Putting principles into practice



Person-centered care for musculoskeletal pain: Putting principles into practice – ScienceDirect N Hutting 2022

Persistent pain



Questions

NHS

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Always

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