

nhs lower back pain exercises

nhs lower back pain exercises are a cornerstone of recovery and management for millions experiencing discomfort. This comprehensive guide delves into effective movements recommended by the NHS to alleviate and prevent lower back pain. We will explore the principles behind these exercises, detailing specific techniques for strengthening core muscles, improving flexibility, and promoting better posture. Understanding the correct execution of these routines is crucial for achieving optimal results and ensuring a safe, pain-free journey towards a healthier back. From gentle stretches to more targeted strengthening, this article provides a detailed roadmap for individuals seeking relief and long-term back health.

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Understanding Lower Back Pain

Lower back pain is an incredibly common ailment, affecting a significant portion of the adult population at some point in their lives. It can manifest as a dull ache, sharp pain, or stiffness, often exacerbated by prolonged sitting, standing, or improper lifting techniques. The causes are varied, ranging from muscle strains and ligament sprains to more complex issues like disc problems or arthritis. Understanding the underlying mechanisms of your pain is the first step towards effective management.

The intricate structure of the lower back, comprising vertebrae, discs, muscles, nerves, and ligaments, is susceptible to various stresses and injuries. Factors like sedentary lifestyles, poor physical conditioning, excess weight, and even psychological stress can contribute to or worsen lower back discomfort. Identifying triggers and understanding the biomechanics of the spine are essential for a targeted approach to relief.

The Importance of Exercise for NHS Lower Back Pain

The National Health Service (NHS) strongly advocates for the role of exercise in managing and alleviating lower back pain. Rather than relying solely on medication or rest, which can sometimes lead to deconditioning, active rehabilitation through targeted exercises is often the most effective long-term solution. Exercise helps to strengthen the muscles that support the spine, improve flexibility, reduce stiffness, and enhance overall mobility.

Regular physical activity can also play a vital role in preventing future episodes of lower back pain. By building a robust muscular support system and promoting good spinal alignment, individuals can significantly reduce their risk of re-injury. It's about creating a resilient back that can withstand the daily demands placed upon it.

Key Principles of NHS Lower Back Pain Exercises

When undertaking exercises for lower back pain, several core principles are paramount to ensure safety and efficacy. These principles guide the selection and execution of movements to maximize benefits while minimizing any potential for aggravation. Adhering to these guidelines is crucial for a successful recovery and for building a stronger, healthier back.

Gradual Progression

The cornerstone of any exercise program for lower back pain is gradual progression. This means starting with gentle movements and slowly increasing the intensity, duration, or repetitions as your pain subsides and your strength improves. Pushing too hard, too soon, can lead to setbacks and increased discomfort. Listen to your body and do not force any movement that causes sharp or significant pain.

Core Muscle Engagement

The core muscles – including the abdominals, obliques, and deep back muscles – act as a natural corset, providing crucial support for the spine. Exercises that focus on engaging and strengthening these muscles are fundamental to managing lower back pain. A strong core helps to stabilize the spine, reduce undue pressure on the discs, and improve posture.

Proper Form and Technique

Executing exercises with correct form is non-negotiable. Poor technique can negate the benefits and potentially cause further injury. Focus on controlled movements, maintaining neutral spinal alignment, and breathing effectively. It is often advisable to seek guidance from a physiotherapist or other

healthcare professional to ensure you are performing each exercise correctly.

Consistency

Consistency is key to achieving lasting results. Incorporating a regular exercise routine into your daily or weekly schedule is more beneficial than sporadic, intense workouts. Aim for short, frequent sessions rather than infrequent, long ones, especially in the initial stages of recovery.

Gentle Stretches for Lower Back Pain Relief

Gentle stretching is an excellent starting point for individuals experiencing lower back pain. These movements aim to increase flexibility, reduce muscle tension, and improve the range of motion in the lumbar spine and surrounding areas. They are typically low-impact and can be performed daily.

Knee-to-Chest Stretch

This stretch is effective for releasing tension in the lower back and glutes. Lie on your back with your knees bent and feet flat on the floor. Gently bring one knee towards your chest, using your hands to clasp it. Hold for 20-30 seconds, feeling a gentle stretch in your lower back. Repeat with the other leg, and then try both legs together if comfortable.

Pelvic Tilts

Pelvic tilts are a subtle yet effective exercise for improving lower back mobility and awareness. Lie on your back with your knees bent and feet flat on the floor. Gently flatten your lower back against the floor by tightening your abdominal muscles and tilting your pelvis upwards. Hold for a few seconds, then relax. Repeat 10-15 times.

Cat-Cow Stretch

The Cat-Cow stretch is a dynamic movement that gently mobilizes the entire spine. Start on your hands and knees, with your hands directly under your shoulders and knees under your hips. As you inhale, drop your belly towards the floor and lift your head and tailbone (Cow pose). As you exhale, round your spine towards the ceiling, tucking your chin to your chest and drawing your navel in (Cat pose). Flow smoothly between these two positions for 5-10 repetitions.

Piriformis Stretch

The piriformis muscle, located deep in the buttock, can sometimes contribute to lower back and sciatic pain. To stretch it, lie on your back with your knees bent and feet flat. Cross one ankle over the opposite knee. Reach through the gap between your legs and gently pull the thigh of the unsupported leg towards your chest until you feel a stretch in the buttock of the crossed leg. Hold for 20-30 seconds and repeat on the other side.

Strengthening Exercises for a Stronger Back

Once you have gained some relief through gentle stretching and your pain has subsided to a manageable level, introducing strengthening exercises is crucial for building long-term resilience. These exercises focus on developing the muscles that support and stabilize the spine, reducing the likelihood of future injuries.

Bridging

Bridging is an excellent exercise for strengthening the glutes and hamstrings, which are essential for supporting the lower back. Lie on your back with your knees bent and feet flat on the floor, hip-width apart. Engage your glutes and lift your hips off the floor until your body forms a straight line from your shoulders to your knees. Hold for a few seconds, then slowly lower back down. Aim for 10-15 repetitions.

Bird-Dog

The Bird-Dog exercise is highly effective for improving core stability and coordination. Start on your hands and knees. Keeping your back straight and your core engaged, extend one arm straight forward and the opposite leg straight back simultaneously. Maintain a stable torso and avoid arching your back. Hold for a few seconds, then return to the starting position. Alternate sides. Aim for 8-12 repetitions per side.

Plank

The plank is a powerful isometric exercise that strengthens the entire core, including the abdominals, back, and shoulders. Start in a push-up position, but rest on your forearms instead of your hands. Keep your body in a straight line from your head to your heels, engaging your core muscles. Avoid letting your hips sag or rise too high. Hold for 20-30 seconds, gradually increasing the duration as you get stronger. Repeat 2-3 times.

Side Plank

The side plank targets the oblique muscles, which are crucial for lateral stability of the spine. Lie on your side with your legs stacked. Prop yourself up on your forearm, ensuring your elbow is directly beneath your shoulder. Lift your hips off the floor, creating a straight line from your head to your feet. Hold for 20-30 seconds, then switch sides. Repeat 2-3 times per side.

Posture Improvement Exercises

Poor posture is a significant contributor to chronic lower back pain. By incorporating exercises that promote good alignment and strengthen the muscles responsible for maintaining an upright posture, you can alleviate strain on your spine.

Chin Tucks

Chin tucks help to strengthen the deep neck flexor muscles and correct forward head posture, which can impact the entire spine. Sit or stand tall. Gently draw your chin straight back, as if trying to make a double chin, without tilting your head up or down. You should feel a slight stretch at the back of your neck and engagement of the muscles at the front of your neck. Hold for 5 seconds and repeat 10-15 times.

Scapular Squeezes

This exercise strengthens the muscles between the shoulder blades, which helps to counteract rounded shoulders and improve upper back posture. Sit or stand with good posture. Gently squeeze your shoulder blades together as if you are trying to hold a pencil between them. Avoid shrugging your shoulders. Hold for 5 seconds and release. Repeat 10-15 times.

Wall Angels

Wall angels are excellent for improving thoracic spine mobility and strengthening the upper back. Stand with your back against a wall, with your feet a few inches away. Bend your knees slightly and press your lower back, upper back, and head against the wall. Place your arms against the wall, bent at 90 degrees, with your elbows and wrists in contact with the wall. Slowly slide your arms up the wall, keeping them in contact, and then slide them back down. Perform 10-15 repetitions.

When to Seek Professional Advice

While NHS lower back pain exercises are highly beneficial, it is crucial to recognize when professional medical advice is necessary. Persistent or severe pain, pain that radiates down the leg, numbness or tingling, loss of bladder or bowel control, or pain following a significant injury are all red flags that require immediate medical attention.

A doctor or a qualified physiotherapist can provide an accurate diagnosis, rule out serious underlying conditions, and tailor an exercise program specifically to your needs. They can also offer manual therapy, advice on pain management, and guidance on returning to your usual activities safely. Never hesitate to seek professional help if you are concerned about your symptoms.

Integrating Exercises into Daily Life

The true benefit of NHS lower back pain exercises is realized when they are consistently integrated into your daily routine. Small changes can make a significant difference in long-term back health and pain management. Consider setting a specific time each day for your exercises, perhaps in the morning before starting your day or in the evening to unwind.

Incorporating movement breaks throughout the day is also highly recommended, especially if you have a sedentary job. Stand up and walk around, perform a few stretches, or do some gentle pelvic tilts every 30-60 minutes. Maintaining good posture while sitting and standing, using proper lifting techniques, and engaging in regular low-impact activities like walking or swimming can further support your efforts and contribute to a pain-free life.

Q: What are the most common NHS lower back pain exercises for beginners?

A: For beginners experiencing lower back pain, the NHS typically recommends gentle exercises like pelvic tilts, knee-to-chest stretches, and the cat-cow stretch. These focus on improving mobility and reducing stiffness without causing strain.

Q: How often should I do NHS lower back pain

exercises?

A: Consistency is key. Aim to perform your chosen NHS lower back pain exercises daily, or at least 5-6 times a week. Shorter, more frequent sessions are often more beneficial than infrequent, longer ones.

Q: Can NHS lower back pain exercises help with chronic back pain?

A: Yes, NHS lower back pain exercises are highly effective for managing and alleviating chronic lower back pain. They work by strengthening supporting muscles, improving flexibility, and promoting better posture, which can reduce long-term discomfort.

Q: What are the signs that I should stop doing NHS lower back pain exercises?

A: You should stop and seek medical advice if your exercises cause sharp, intense pain, or if your pain worsens significantly. Any new symptoms like numbness, tingling, or loss of control should also prompt you to stop and consult a healthcare professional.

Q: Is it safe to do NHS lower back pain exercises if I have a bulging disc?

A: If you have a diagnosed condition like a bulging disc, it is crucial to consult with a doctor or physiotherapist before starting any exercise program. They can recommend specific NHS lower back pain exercises that are safe and appropriate for your condition, or advise against certain movements.

Q: How long does it usually take to see improvement with NHS lower back pain exercises?

A: Improvement varies from person to person. With consistent practice and proper technique, many individuals start to feel some relief within a few weeks. However, significant strength gains and long-term pain reduction can take several months.

Q: Should I warm up before doing NHS lower back pain exercises?

A: A light warm-up can be beneficial. This might involve a few minutes of gentle walking or light aerobic activity to increase blood flow to the muscles. For many gentle stretches, a specific warm-up may not be necessary, but listen to your body.

Q: Can NHS lower back pain exercises help prevent future back pain?

A: Absolutely. By strengthening the core and back muscles, improving flexibility, and promoting good posture, regular NHS lower back pain exercises are a highly effective way to prevent future episodes of pain and injury.

Nhs Lower Back Pain Exercises

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nhs lower back pain exercises: Low Back Pain: Recent Advances and Perspectives Robert J. Gatchel, 2018-04-27 This book is a printed edition of the Special Issue Low Back Pain: Recent Advances And Perspectives that was published in Healthcare

nhs lower back pain exercises: JRCALC Clinical Guidelines 2022 Joint Royal Colleges Ambulance Liaison Committee, Association of Ambulance Chief Executives, 2022-11-07 Combining expert advice with practical guidance, the Joint Royal Colleges Ambulance Liaison Committee Clinical Guidelines are the essential resource for paramedics. The guidelines are written specifically for the ambulance paramedic role, providing a comprehensive overview of the principle areas they may encounter, and supporting them in providing excellent patient care. This 2022 edition has been updated with the latest evidence and developments in clinical practice. Key reviews have taken place on guidelines within the Resuscitation and Special Situations sections, as well as updates to Maternity guidelines such as Care of the Newborn and Newborn Life Support. Medicine guidelines have been removed, but are available on the iCPG and JRCALC Plus apps, where they are regularly updated to ensure that the most up-to-date guidance is available to clinicians. The JRCALC Clinical Guidelines 2022 now contains crucial guidance on topics, including: Acute Behavioural Disturbance Alcohol use-disorders Low Back Pain (Non-Traumatic) Patients with Communication Difficulties Steroid-Dependent patients Vascular Emergencies. Medicine information and updates to guidelines are published on the JRCALC apps, iCPG and JRCALC Plus, as required. The JRCALC apps contain the complete and most current information.

nhs lower back pain exercises: Essentials of Pathophysiology for Nursing Practice Neal Cook, Andrea Shepherd, Jennifer Boore, Stephanie Dunleavy, 2019-05-25 A straight-forward, detailed overview of pathophysiology, providing nursing students with clear and simple explanations of the basic principles that underpin health and illness, and the main causes of disease. The book uses person-centred nursing as its guiding principle (in-line with the new NMC standards) to encourage students to develop a more detailed understanding of specific disorders and learn how to apply the bioscience theory to nursing practice and patient care. Key features: Full-colour diagrams and figures: all content supported by colourful, reader-friendly illustrations. Person-centred bioscience: a fictional family woven through the book encourages students to think holistically about pathophysiology and consider the lived-experiences of different conditions and diseases. Online resources: access to online materials for lecturers and students, including multiple choice questions, videos, flashcards, lecturer test bank, an image bank and a media teaching guide.

nhs lower back pain exercises: Exercise your way to health: Back Pain Paula Coates, 2014-12-01 Back Pain: Exercise your way to health will show you how to manage your back pain by helping you to gain a better understanding of the causes and how this affects your body and health. Armed with this information you can make informed choices about how you live your life. There is no reason why back pain should stop you living a full and active life. Exercise your way to health will show you how to include a simple fitness programme into your life, whilst considering the specific challenges you face with acute and chronic back pain. You will start to see improvements within 6 weeks, when you can re-test your baseline fitness. This will be all the motivation you need to keep your new lifestyle on track to a happier and healthier you!

nhs lower back pain exercises: The back pain manual — A guide to treatment Thanthullu Vasu, Shyam Balasubramanian, 2024-10-01 Back pain is the single leading cause of disability worldwide; the World Health Organization regards back pain as a condition for which the greatest number of people may benefit from rehabilitation. It is estimated that low back pain alone affects 619 million people globally and this is estimated to rise to 843 million people by 2050. Up to 60% of the adult population will have low back pain at some point in their lifetime; 5-7% of adults over 45 years of age are estimated to have chronic low back pain. Healthcare professionals see people with back pain routinely in their clinical practice and so education and awareness of back pain and the various treatment options are vital for an effective outcome in these situations. Research has shown that healthcare professionals have a considerable and enduring influence upon the attitudes and beliefs of people with back pain. This book helps clinicians to positively influence the outcome of people suffering from back pain. This book discusses back pain in great detail and is written in an easy-to-understand style, while keeping an evidence-based approach. Doctors, nurses, physiotherapists, occupational therapists, medical students, and other healthcare professionals find this book informative. People who suffer with back pain also find the information useful to expand their knowledge in order to successfully manage the condition. This book is of immense use to candidates preparing for examinations conducted by the Faculty of Pain Medicine of the Royal College of Anaesthetists, UK (FFPMRCA), American Board of Anesthesiology (ABA), Royal College of General Practitioners, UK (MRCGP), College of Anaesthesiologists of Ireland (FFPMCAI), American Board of Pain Medicine (ABPM), European Pain Federation (EFIC) (European Diploma in Pain Medicine [EDPM]), Faculty of Pain Medicine of the Australian and New Zealand College of Anaesthetists (FPM), and the World Institute of Pain (FIPP/CIPS). The authors are both senior consultants in pain medicine practising in the United Kingdom and are consulted by thousands of patients every year. They have lectured at many international, national and regional meetings and are invited lecturers to public and patient groups on various health topics. They have organised workshops, meetings and seminars for the national anaesthetic and pain societies. They have published many articles, research and textbooks on pain medicine. Their aim is to create an awareness of chronic pain conditions among other healthcare professionals and the public.

nhs lower back pain exercises: Practical General Practice - E-BOOK Adam Staten, Kate Robinson, 2025-01-15 Practical General Practice: Guidelines for Effective Clinical Management, Eighth is designed as a highly useful quick reference guide to be used by busy GPs during consultations. This handy book contains the latest guidelines and treatment recommendations for the vast majority of presentations commonly seen in general practice. Information is presented in a way that is quickly accessible in a time-pressured environment, including assessment, clinical investigations and management options. Edited by practising GPs, this eighth edition has been fully updated and will be valuable to GP registrars, newly qualified GPs, and more experienced practitioners who wish to keep their knowledge up to date. - Information on more than 1000 conditions commonly seen in general practice - Bullet points for action give the GP an immediate summary of the issues that must be covered in the consultation - All recommendations are highly specific - provides a firm guide for GPs rather than a list of possibilities to consider - Recommendations all based on the latest evidence and guidelines - Uses bullet points, tables and flow charts to help the reader access information quickly - Useful appendices include treatment

algorithms and tables - New section on the management of obesity - New section on the management of acute kidney injuries - Updated in line with new NICE guidelines

nhs lower back pain exercises: The Back Pain Revolution Gordon Waddell, 2004-03-01
Accessible to all health care professionals, this text provides a guide to understanding and managing back pain and is one of the premier examples of a biopsychosocial approach to medicine. The content challenges unsubstantiated beliefs regarding the best way to treat and manage back pain and presents an interdisciplinary debate on the subject. In a society where patients are demanding more effective approaches to their problems, this resource offers a radical rethink, a necessary step to achieving a more effective method of treatment. The unorthodox spirit of this material places this book at the center of the revolution taking place in the back pain area. - Gordon Waddell is the world authority on the topic of the back pain revolution. - The content addresses huge problems of concern to many disciplines and governments. - The unbiased, open-minded view looks at the issues and the evidence and invites the readers to consider, debate, and agree on the best course of action. - Comprehensive coverage of all aspects of the problem offers both interventionist and conservative approaches to treatment, psychosocial issues, economic factors, patient education, and prevention. - New chapter on Occupational Health Guidelines involving new co-author - Chapters on Social Interactions and A New Clinical Model both completely rewritten - Chapters on Clinical Guidelines and Information and Advice for Patients both completely rewritten with new co-authors - Major new research findings incorporated throughout - The 'message', the size of the book, the overall style, and the target audience are unchanged from the successful first edition. - The simple style and readability of the first edition has been carefully maintained.

nhs lower back pain exercises: Mayes' Midwifery - E-Book Sue Macdonald, Gail Johnson, 2023-05-23
Mayes' Midwifery is a core text for students in the UK, known and loved for its in-depth approach and its close alignment with curricula and practice in this country. The sixteenth edition has been fully updated by leading midwifery educators Sue Macdonald and Gail Johnson, and input from several new expert contributors ensures this book remains at the cutting edge. The text covers all the main aspects of midwifery in detail, including the various stages of pregnancy, possible complexities around childbirth, and psychological and social considerations related to women's health. It provides the most recent evidence along with detailed anatomy and physiology information, and how these translate into practice. Packed full of case studies, reflective activities and images, and accompanied by an ancillary website with 600 multiple choice questions and downloadable images, Mayes' Midwifery makes learning easy for nursing students entering the profession as well as midwives returning to practice and qualified midwives working in different settings in the UK and overseas. - Expert contributors include midwifery academics and clinicians, researchers, physiotherapists, neonatal nurse specialists, social scientists and legal experts - Learning outcomes and key points to support structured study - Reflective activities to apply theory to practice - Figures, tables and breakout boxes help navigation and revision - Associated online resources with over 600 MCQs, reflective activities, case studies, downloadable image bank to help with essay and assignment preparation - Further reading to deepen knowledge and understanding - New chapters addressing the issues around being a student midwife and entering the profession - More detail about FGM and its legal implications, as well as transgender/binary individuals in pregnancy and childbirth - New information on infection and control following from the COVID-19 pandemic - Enhanced artwork program

nhs lower back pain exercises: Nursing Skills in Supporting Mobility Sheila Cunningham, Tina Moore, 2021-05-24
The ability to move easily and purposively contributes enormously to a sense of health and wellbeing, enabling increased independence and selfprotection. However, many of the patients you encounter will have some degree of immobility whether it is temporary (for instance, due to local anaesthesia), permanent (for instance, due to amputation or stroke) or variable (for instance, due to arthritis or morbid obesity). This practical pocket guide covers: • the anatomy and physiology of the musculoskeletal system • the principles of ergonomics • safe moving and handling practices • positioning the patient • performing a range of movement exercises • legal

aspects of moving and handling • the promotion of sleep. This competency-based text covers relevant key concepts, anatomy and physiology, lifespan matters, assessment and nursing skills. To support your learning, it also includes learning outcomes, concept map summaries, activities, questions and scenarios with sample answers and critical reflection thinking points. Quick and easy to reference, this short, clinically-focused guide is ideal for use on placements or for revision. It is suitable for pre-registration nurses, students on the nursing associate programme and newly qualified nurses.

nhs lower back pain exercises: Using the Bowen Technique to Address Complex and Common Conditions John Wilks, Isobel Knight, 2014-08-21 This book shows how the Bowen technique can be used to treat different conditions including lower back pain, frozen shoulder, tennis elbow and carpal tunnel, hayfever, asthma, diabetes (type 2), migraines, stress and tension disorders, fibromyalgia and chronic fatigue, as well as in palliative care and performance enhancement in sport and dance.

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nhs lower back pain exercises: Va/Dod Clinical Practice Guideline for Diagnosis and Treatment of Low Back Pain Guideline Summary Office of Quality, Safety, and Value, Department of Veterans Affairs (U.S.), Army Medical Command (U.S.), 2017-09-05 This resource is intended to provide healthcare providers with a framework to evaluate, treat, and manage the individual needs and preferences of patients with low back pain (LBP). Additionally, this guideline covers all aspects of patient care, including but not limited to, diagnosis, treatment and management. The goal of this reference is to improve the patient's health and wellbeing by providing evidence-based guidance to providers who are diagnosing or treating patients with low back pain. Lower back pain (LBP) is often categorized as acute pain (up to four weeks), subacute pain (4-12 weeks), or chronic pain (more than 12 weeks). Implementation of this guideline is intended to be patient-centered with good communication between healthcare professionals and the patient's needs about their pain experiences, treatment goals, and challenges that is essential to tailoring to the patient's needs as a way to build trust and facilitate discussions relating to social, economic, emotional, and cultural factors that may influence patients' perceptions, behaviors, and decision making. Related products: A Shared Burden: The Military and Civilian Consequences of Army Pain Management Since 2001 Observation-Based Posture Assessment: Review of Current Practice and Recommendations for Improvement Medication-Assisted Treatment of Opioid Use Disorder: Pocket Guide

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evidence shows that pain is associated with common meanings. These include a meaning of threat or danger, which is experienced as immediately distressing or unpleasant; cognitive meanings, which are focused on the long-term consequences of having chronic pain; and existential meanings such as hopelessness, which are more about the person with chronic pain than the pain itself. This interdisciplinary book - the second in the three-volume *Meanings of Pain* series edited by Dr Simon van Rysewyk - aims to better understand pain by describing experiences of pain and the meanings these experiences hold for the people living through them. The lived experiences of pain described here involve various types of chronic pain, including spinal pain, labour pain, rheumatic pain, diabetic peripheral neuropathic pain, fibromyalgia, complex regional pain syndrome, endometriosis-associated pain, and cancer-related pain. Two chapters provide narrative descriptions of pain, recounted and interpreted by people with pain. Language is important to understanding the meaning of pain since it is the primary tool human beings use to manipulate meaning. As discussed in the book, linguistic meaning may hold clues to understanding some pain-related experiences, including the stigmatisation of people with pain, the dynamics of patient-clinician communication, and other issues, such as relationships between pain, public policy and the law, and attempts to develop a taxonomy of pain that is meaningful for patients. Clinical implications are described in each chapter. This book is intended for people with pain, their family members or caregivers, clinicians, researchers, advocates, and policy makers.

nhs lower back pain exercises: Exercise and You - The Complete Guide Madeleine Smethurst, 2014-01-23 Exercising regularly helps us to maintain both good physical and psychological health, as well as reducing our risk of developing chronic illnesses in the future. It can also be a great social outlet and a good way to meet new people. *Exercise and You: The Complete Guide* is your straightforward and friendly guide to everything you need to know about exercise. It is packed full of reliable information, facts and sensible advice from both the NHS and the Health-e-Buddy team. Covering a wide variety of topics, that range from exercise benefits and types of exercise to basic nutrition and planning your routine, this eBook is great for both newcomers to exercise and as a reference source for more seasoned athletes. Go for it!

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nhs lower back pain exercises: Exercise and Physical Activity During Pregnancy and Postpartum Rita Santos-Rocha, 2022-10-26 This is the second edition of a well-received, practice oriented, multidisciplinary book filling the gap between evidence-based knowledge on the benefits of physical activity and exercise during pregnancy and postpartum and the implementation of exercise

programs and related health promotion measures in pregnant women. Readers will find up-to-date evidence on the psychological, social, physiological, body composition, musculoskeletal, and biomechanical changes that occur during pregnancy and their implications for physical activity and exercise. Further, the authors equip the reader with the latest guidelines and detailed description of exercise testing, prescription, selection and adaptation for pregnant and postpartum women, including those with clinical conditions. This new edition has been thoroughly updated, and includes additional chapters focused on the pedagogical intervention in pre and postnatal exercise programs, exercise prescription and adaptation during postpartum and diet recommendations for the pregnant exerciser and athlete. Written by recognized experts in the field, the book aims to allay undue fears regarding the consequences of exercising during pregnancy. Moreover, it provides medical, sports, and fitness professionals both with the knowledge and the practical expertise needed to offer an optimal guidance on exercising to pregnant exercisers and athletes.

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