**Search strategies for guideline databases (search dates: 30.05.2018 – 07.06.2018; update search: 11.09.2020)**

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| **Database** | **Strategy** |
| National Guideline Clearinghouse (NGC) | “"back pain" OR "sciatic neuropathy" OR spondylosis OR backache OR backaches OR coccydynia OR dorsalgia OR lumbago OR sciatica OR ischialgie OR kreuzschmerz\* OR lumbago OR lumboischialgie OR ruckenleiden OR rueckenleiden OR ruckenschmerz\* OR rueckenschmerz\* OR spondylose OR ((back OR low-back OR lumbar OR spinal OR vertebrogenic) AND (ache OR aches OR disorder OR disorders OR pain OR pains OR strain)) OR ((schmerz OR schmerzen) AND (wirbelsaeule OR wirbelsaule OR spinal\*))”  Publication Date: 2013-2018 |
| Guidelines International Network (G-I-N) | "back pain" OR "sciatic neuropathy" OR spondylosis OR backache OR backaches OR coccydynia OR dorsalgia OR lumbago OR sciatica OR ischialgie OR kreuzschmerz\* OR lumbago OR lumboischialgie ruckenleiden OR rueckenleiden OR ruckenschmerz\* OR rueckenschmerz\* OR spondylose OR back OR low-back OR lumbar OR spinal OR vertebrogenic OR wirbelsaeule OR wirbelsaule OR spinal\*  Language: English, German  Publication: Guideline, Guideline Clearing Report |
| Association of the Scientific Medical Societies in Germany (AWMF) | Rückenschmerzen (MeSH)  Ischialgie (MeSH)  Spondylose (MeSH)  kreuzschmerz  rücken  ischialgie  lumboischialgie  lumbago  spondylose  wirbelsäule |
| National Institute for Health and Care Excellence (NICE) | Guidance and advice list (https://www.nice.org.uk/guidance/published)  Type: NICE guidelines, Antimicrobial prescribing guidelines, Cancer service guidelines, Clinical guidelines, Medicines practice guidelines, Public health guidelines, Safe staffing guidelines, Social care guidelines, Diagnostics guidance, Highly specialized technologies guidance, Interventional procedures guidance, Medical technologies guidance  Last updated date: January 2013 to September 2020 |
| Scottish Intercollegiate Guidelines Network (SIGN) | All listed guidelines |

**Search strategy PubMed (search date: 23.05.2018, update search: 10.09.2020)**

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| **Search** | **Query** |
| #1 | "Guidelines as Topic"[Mesh] |
| #2 | "Consensus Development Conferences as Topic"[Mesh] |
| #3 | Guideline[Publication Type] |
| #4 | Consensus Development Conference[Publication Type] |
| #5 | guideline\*[ti] OR recommend\*[ti] OR consensus[ti] OR standard\*[ti] OR "position paper"[ti] OR "clinical pathway\*"[ti] OR "clinical protocol\*"[ti] OR "good clinical practice"[ti] |
| #6 | Leitlinie\*[tt] OR Richtlinie\*[tt] OR Empfehlung\*[tt] |
| #7 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 |
| #8 | "back pain"[Mesh] OR "sciatic neuropathy"[Mesh] OR "spondylosis"[Mesh] |
| #9 | (back[ti] OR low-back[ti] OR lumbar[ti] OR spinal[ti] OR vertebrogenic[ti]) AND (ache[ti] OR aches[ti] OR disorder[ti] OR disorders[ti] OR pain[ti] OR pains[ti] OR strain[ti]) |
| #10 | backache[ti] OR backaches[ti] OR coccydynia[ti] OR dorsalgia[ti] OR LBP[ti] OR lumbago[ti] OR sciatica[ti] |
| #11 | ischialgie[tt] OR kreuzschmerz\*[tt] OR lumbago[tt] OR lumboischialgie[tt] OR ruckenleiden[tt] OR rueckenleiden[tt] OR ruckenschmerz\*[tt] OR rueckenschmerz\*[tt] OR spondylosis[ti] OR spondylose[tt] |
| #12 | (schmerz[tt] OR schmerzen[tt]) AND (wirbelsaeule[tt] OR wirbelsaule[tt] OR spinal\*[tt]) |
| #13 | #8 OR #9 OR #10 OR #11 OR #12 |
| #14 | #7 AND #13 |
| #15 | #7 AND #13 Filters: German |
| #16 | #7 AND #13 Filters: German; English |
| #17 | #7 AND #13 Filters: Publication date from 2013/01/01; German; English |
| #18 | #7 AND #13 Filters: Publication date from 2018/1/1 - 3000/12/12; German; English |

**Reasons for exclusion of Articles**

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| **ABMFR**  **2013** | Associação Brasileira de Medicina Física e Reabilitação. **Chronic nonspecific low back pain: rehabilitation**. Rev Assoc Med Bras (1992) 2013; 59(6): 536-553. doi:10.1016/j.ramb.2013.10.003. | no WHO "Stratum A" nation |
| **ACP 2017a** | American College of Physicians. **Noninvasive treatments for acute, subacute, and chronic low back pain: a clinical practice guideline from the American College of Physicians** [online]. 2017 Apr 4, Retrieved 30.05.2018 from https://www.guideline.gov/summaries/summary/50781/noninvasive-treatments-for-acute-subacute-and-chronic-low-back-pain-a-clinical-practice-guideline-from-the-american-college-of-physicians. | duplicate |
| **ACP 2017b** | American College of Physicians. **Noninvasive Treatments for Acute, Subacute, and Chronic Low Back Pain: A Clinical Practice Guideline From the American College of Physicians** [online]. Feb 14, 2017, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/acp-us/noninvasive-treatments-for-acute-subacute-and-chronic-low-back-pain-a-clinical-practice-guideline-from-the-american-college-of-physicians. | duplicate |
| **ACR 2011** | American College of Radiology. **ACR Appropriateness Criteria® low back pain** [online]. Jan 01, 2011, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/acr-appropriateness-criteriaae-low-back-pain.-american-college-of-radiology.-ngc-008863. | published before 2013 |
| **ACR 2015** | American College of Radiology. **ACR Appropriateness Criteria® low back pain** [online]. 2015, Retrieved 30.05.2018 from https://www.guideline.gov/summaries/summary/49915/acr-appropriateness-criteria--low-back-pain. | duplicate |
| **ACR 2016a** | Patel ND, Broderick DF, Burns J, Deshmukh TK, Fries IB, Harvey HB et al. **ACR Appropriateness Criteria Low Back Pain**. J Am Coll Radiol 2016; 13(9): 1069-1078. doi:10.1016/j.jacr.2016.06.008. | no evidence-based guideline |
| **ACR 2016b** | American College of Radiology. **ACR Appropriateness Criteria® back pain—child** [online]. 2016, Retrieved 30.05.2018 from https://www.guideline.gov/summaries/summary/50493/acr-appropriateness-criteria--back-pain-child. | no evidence-based guideline |
| **AOA 2009** | American Osteopathic Association. **American Osteopathic Association guidelines for osteopathic manipulative treatment (OMT) for patients with low back pain** [online]. Jul 01, 2009, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/american-osteopathic-association-guidelines-for-osteopathic-manipulative-treatment-omt-for-patients-with-low-back-pain.-american-osteopathic-association.-ngc-007504. | duplicate |
| **AOA 2016a** | American Osteopathic Association. **American Osteopathic Association guidelines for osteopathic manipulative treatment (OMT) for patients with low back pain** [online]. 2016 Aug, Retrieved 30.05.2018 from https://www.guideline.gov/summaries/summary/50451/american-osteopathic-association-guidelines-for-osteopathic-manipulative-treatment-omt-for-patients-with-low-back-pain. | duplicate |
| **AOA 2016b** | American Osteopathic Association **Guidelines for Osteopathic Manipulative Treatment (OMT) for Patients With Low Back Pain**. J Am Osteopath Assoc 2016; 116(8): 536-549. doi:10.7556/jaoa.2016.107. | no guideline |
| **APTA 2012** | The Orthopaedic Section of the American Physical Therapy Association. **Low back pain: clinical practice guidelines linked to the International Classification of Functioning, Disability, and Health from the Orthopaedic Section of the American Physical Therapy Association** [online]. Apr 01, 2012, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/low-back-pain-clinical-practice-guidelines-linked-to-the-international-classification-of-functioning-disability-and-health-from-the-orthopaedic-section-of-the-american-physical-therapy-association.-the-orthopaedic-section-of-the-american-physical-therapy. | published before 2013 |
| **ASIPP 2013a** | American Society of Interventional Pain Physicians. **An update of comprehensive evidence-based guidelines for interventional techniques in chronic spinal pain. Part II: guidance and recommendations** [online]. 2003 (revised 2013 Apr), Retrieved 30.05.2018 from https://www.guideline.gov/summaries/summary/45379/an-update-of-comprehensive-evidencebased-guidelines-for-interventional-techniques-in-chronic-spinal-pain-part-ii-guidance-and-recommendations. | duplicate |
| **ASIPP 2013b** | American Society of Interventional Pain Physicians. **An update of comprehensive evidence-based guidelines for interventional techniques in chronic spinal pain. Part II: guidance and recommendations** [online]. Apr 01, 2013, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/update-comprehensive-evidence-based-guidelines-interventional-techniques-chronic-spinal-pain. | duplicate |
| **BPS 2013** | Lee J, Gupta S, Price C, Baranowski AP. **Low back and radicular pain: a pathway for care developed by the British Pain Society**. Br J Anaesth 2013; 111(1): 112-120. doi:10.1093/bja/aet172. | no guideline |
| **CDWC 2014** | Colorado Division of Workers' Compensation. **Low back pain medical treatment guidelines** [online]. 2014 Feb 3, Retrieved 30.05.2018 from https://www.guideline.gov/summaries/summary/49020/low-back-pain-medical-treatment-guidelines. | no evidence-based guideline |
| **de Campos 2017** | de Campos TF. **Low back pain and sciatica in over 16s: assessment and management NICE Guideline [NG59]**. J Physiother 2017; 63(2): 120. doi:10.1016/j.jphys.2017.02.012. | no guideline |
| **DGKJ 2017** | Deutsche Gesellschaft für Kinder- und Jugendmedizin e.V. (DGKJ). **Rückenschmerz bei Kindern und Jugendlichen**. **Angemeldetes Leitlinienvorhaben** (S3-LL) [Back pain in children and adolescents {in development}] [online]. 29.11.2017, Retrieved 30.05.2018 from <https://www.awmf.org/leitlinien/detail/anmeldung/1/ll/027-070.html> | not available |
| **Globe 2016** | Globe G, Farabaugh RJ, Hawk C, Morris CE, Baker G, Whalen WM et al. **Clinical Practice Guideline: Chiropractic Care for Low Back Pain**. J Manipulative Physiol Ther 2016; 39(1): 1-22. doi:10.1016/j.jmpt.2015.10.006. | no evidence-based guideline |
| **Hauk 2017** | Hauk L. **Low Back Pain: American College of Physicians Practice Guideline on Noninvasive Treatments**. Am Fam Physician 2017; 96(6): 407-408. | no guideline |
| **ICCPN 2016** | Picelli A, Buzzi MG, Cisari C, Gandolfi M, Porru D, Bonadiman S et al. **Headache, low back pain, other nociceptive and mixed pain conditions in neurorehabilitation**. Evidence and recommendations from the Italian Consensus Conference on Pain in Neurorehabilitation. Eur J Phys Rehabil Med 2016; 52(6): 867-880. | no patients with non-specific LBP |
| **IHE 2011** | Institute of Health Economics. **Guideline for the evidence-informed primary care management of low back pain. Toward Optimized Practice**.[ ] [online]. Jan 01, 2011, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/guideline-for-the-evidence-informed-primary-care-management-of-low-back-pain.-institute-of-health-economics.-toward-optimized-practice.-ngc-007704. | no evidence-based guideline |
| **Itz 2016** | Itz CJ, Willems PC, Zeilstra DJ, Huygen FJ. **Dutch Multidisciplinary Guideline for Invasive Treatment of Pain Syndromes of the Lumbosacral Spine**. Pain Pract 2016; 16(1): 90-110. doi:10.1111/papr.12318. | topic not relevant for primary care |
| **KCE 2016** | Belgian Healthcare Knowledge Centre. **Chronic Back Pain: which physiotherapeutic interventions?** {in development} [online]. Jun 21, 2016, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/kce-be/chronic-back-pain-which-physiotherapeutic-interventions. | not available |
| **KNGF 2014** | Royal Dutch Society for Physical Therapy. **KNGF Guideline for Physical Therapy in patients with Low Back Pain** [online]. Feb 15, 2014, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/kngf-nl/low-back-pain-richtlijn-lage-rugpijn. | no evidence-based guideline |
| **KSUMC 2013** | Chair of Evidence-based Healthcare and Knowledge translation CoM, King Saud University,. KSUMC **Evidence-Based Clinical Practice Guideline for Management of Persistent non-specific low back pain (KSUMC CPG 1st Edition 2013)**: Adapted from source CPG: Low back pain: early management of persistent non-specific low back pain (CG 88 – 2009) National Collaborating Centre for Primary Care (NCCPC), Royal College of General Practitioners (RCGP) and National Institute of Health and Care Excellence (NICE) [online]. Dec 15, 2013, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ebhc-kt-sa/ksumc-evidence-based-clinical-practice-guideline-for-management-of-persistent-non-specific-low-back-pain-ksumc-cpg-1st-edition-2013-adapted-from-source-cpg-low-back-pain-early-management-of-persistent-non-specific-low-back-pain-cg-88-2013-2009-national. | no WHO "Stratum A" nation |
| **Kuijer 2014** | Kuijer PP, Verbeek JH, Visser B, Elders LA, Van Roden N, Van den Wittenboer ME et al. **An Evidence-Based Multidisciplinary Practice Guideline to Reduce the Workload due to Lifting for Preventing Work-Related Low Back Pain**. Ann Occup Environ Med 2014; 26: 16. doi:10.1186/2052-4374-26-16. | topic not relevant for primary care |
| **Manchikanti 2013a** | Manchikanti L, Falco FJ, Singh V, Benyamin RM, Racz GB, Helm S, 2nd et al. **An update of comprehensive evidence-based guidelines for interventional techniques in chronic spinal pain**. Part I: introduction and general considerations. Pain Physician 2013; 16(2 Suppl): S1-48. | topic not relevant for primary care |
| **Manchikanti 2013b** | Manchikanti L, Abdi S, Atluri S, Benyamin RM, Boswell MV, Buenaventura RM et al. **An update of comprehensive evidence-based guidelines for interventional techniques in chronic spinal pain. Part II: guidance and recommendations**. Pain Physician 2013; 16(2 Suppl): S49-283. | topic not relevant for primary care |
| **MQIC 2012** | Michigan Quality Improvement Consortium. **Management of acute low back pain** [online]. Sep 01, 2012, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/management-of-acute-low-back-pain-michigan-quality. | no evidence-based guideline |
| **NCCPC 2009** | National Collaborating Centre for Primary Care. **Low back pain. Early management of persistent non-specific low back pain** [online]. May 01, 2009, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/low-back-pain.-early-management-of-persistent-non-specific-low-back-pain.-national-collaborating-centre-for-primary-care.-ngc-007269. | published before 2013 |
| **NGC 2016** | National Guideline Centre. **Low back pain and sciatica in over 16s: assessment and management** [online]. 2016 Nov 30, Retrieved 30.05.2018 from https://www.guideline.gov/summaries/summary/50569/low-back-pain-and-sciatica-in-over-16s-assessment-and-management. | duplicate |
| **NICE 2009** | National Institute for Health and Care Excellence. **Low back pain (CG88)** {under review} [online]. May 27, 2009, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/nice-gb/low-back-pain-cg88. | published before 2013 |
| **NICE 2013** | National Institute for Health and Care Excellence (NICE). **Peripheral nerve-field stimulation for chronic low back pain** [online]. March 2013. URL: https://www.nice.org.uk/guidance/ipg451. | topic not relevant for primary care |
| **NICE 2016** | National Institute for Health and Care Excellence (NICE). **Low back pain and sciatica in over 16s: assessment and management** [online]. Nov.16. URL: https://www.nice.org.uk/guidance/ng59. | duplicate |
| **NICE 2017** | National Institute for Health and Care Excellence (NICE). **Lateral interbody fusion in the lumbar spine for low back pain** [online]. February 2017. URL: https://www.nice.org.uk/guidance/ipg574. | topic not relevant for primary care |
| **NVL 2017a** | Bundesärztekammer, Kassenärztliche Bundesvereinigung, Arbeitsgemeinschaft der Wissenschaftlichen Medizinischen Fachgesellschaften. **Kreuzschmerz – PatientenLeitlinie zur Nationalen VersorgungsLeitlinie** [Low back pain – patient version of the German National Disease Management Guideline] [online]. Nov 01, 2017, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/aqumed-aezq-de/pll-nvl-kreuzschmerz. | no guideline |
| **NVL 2017b** | Bundesärztekammer, Kassenärztliche Bundesvereinigung, Arbeitsgemeinschaft der Wissenschaftlichen Medizinischen Fachgesellschaften. **Nicht-spezifischer Kreuzschmerz – Nationale VersorgungsLeitlinie (NVL)** [Non-specific low back pain – German National Disease Management Guideline] [online]. Mar 02, 2017, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/aqumed-aezq-de/versorgungsleitlinie-kreuzschmerz. | duplicate |
| **Petit 2015a** | Petit A, Fassier JB, Rousseau S, Mairiaux P, Roquelaure Y. **French good practice guidelines for medical and occupational surveillance of the low back pain risk among workers exposed to manual handling of loads**. Ann Occup Environ Med 2015; 27: 18. doi:10.1186/s40557-015-0069-9. | no guideline |
| **Petit 2015b** | Petit A, Rozenberg S, Fassier JB, Rousseau S, Mairiaux P, Roquelaure Y. **Pre-return-to-work medical consultation for low back pain workers. Good practice recommendations based on systematic review and expert consensus**. Ann Phys Rehabil Med 2015; 58(5): 298-304. doi:10.1016/j.rehab.2015.08.001. | no guideline |
| **Petit 2016a** | Petit A, Rousseau S, Huez JF, Mairiaux P, Roquelaure Y. **Pre-employment examination for low back risk in workers exposed to manual handling of loads: French guidelines**. Int Arch Occup Environ Health 2016; 89(1): 1-6. doi:10.1007/s00420-015-1040-3. | no guideline |
| **Petit 2016b** | Petit A, Mairiaux P, Desarmenien A, Meyer JP, Roquelaure Y. **French good practice guidelines for management of the risk of low back pain among workers exposed to manual material handling: Hierarchical strategy of risk assessment of work situations**. Work 2016; 53(4): 845-850. doi:10.3233/wor-162258. | no guideline |
| **Reese 2013** | Reese C, Mittag O. [**Development of practice guidelines for psychological interventions in the rehabilitation of patients with chronic low back pain: methods and results**]. Gesundheitswesen 2013; 75(12): 832-837. doi:10.1055/s-0033-1333738. | no evidence-based guideline |
| **Traeger 2017** | Traeger A, Buchbinder R, Harris I, Maher C. **Diagnosis and management of low-back pain in primary care**. Cmaj 2017; 189(45): E1386-e1395. doi:10.1503/cmaj.170527. | no guideline |
| **UMHS 2010** | University of Michigan Health System. **Acute low back pain** [online]. Jan 01, 2010, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/acute-low-back-pain.-university-of-michigan-health-system.-ngc-008009. | published before 2013 |
| **Weiner 2016** | Weiner DK, Marcum Z, Rodriguez E. **Deconstructing Chronic Low Back Pain in Older Adults: Summary Recommendations**. Pain Med 2016; 17(12): 2238-2246. doi:10.1093/pm/pnw267. | no guideline |
| **WLDI 2011** | Work Loss Data Institute. **Low back - lumbar & thoracic (acute & chronic)** [online]. Mar 14, 2011, Retrieved 30.05.2018 from https://www.g-i-n.net/library/international-guidelines-library/guidelines/ahrq-us/low-back-lumbar-thoracic-acute-chronic-work-loss. | published before 2013 |