

Evidence based treatment recommendations for back and neck pain across Europe: a systematic review of guidelines

N Corp, G Mansell, Siobhán Stynes, G Wynne-Jones, J Hill, D van der Windt
School for Primary, Community, and Social Care, Keele University, Keele Staffordshire, UK

Background

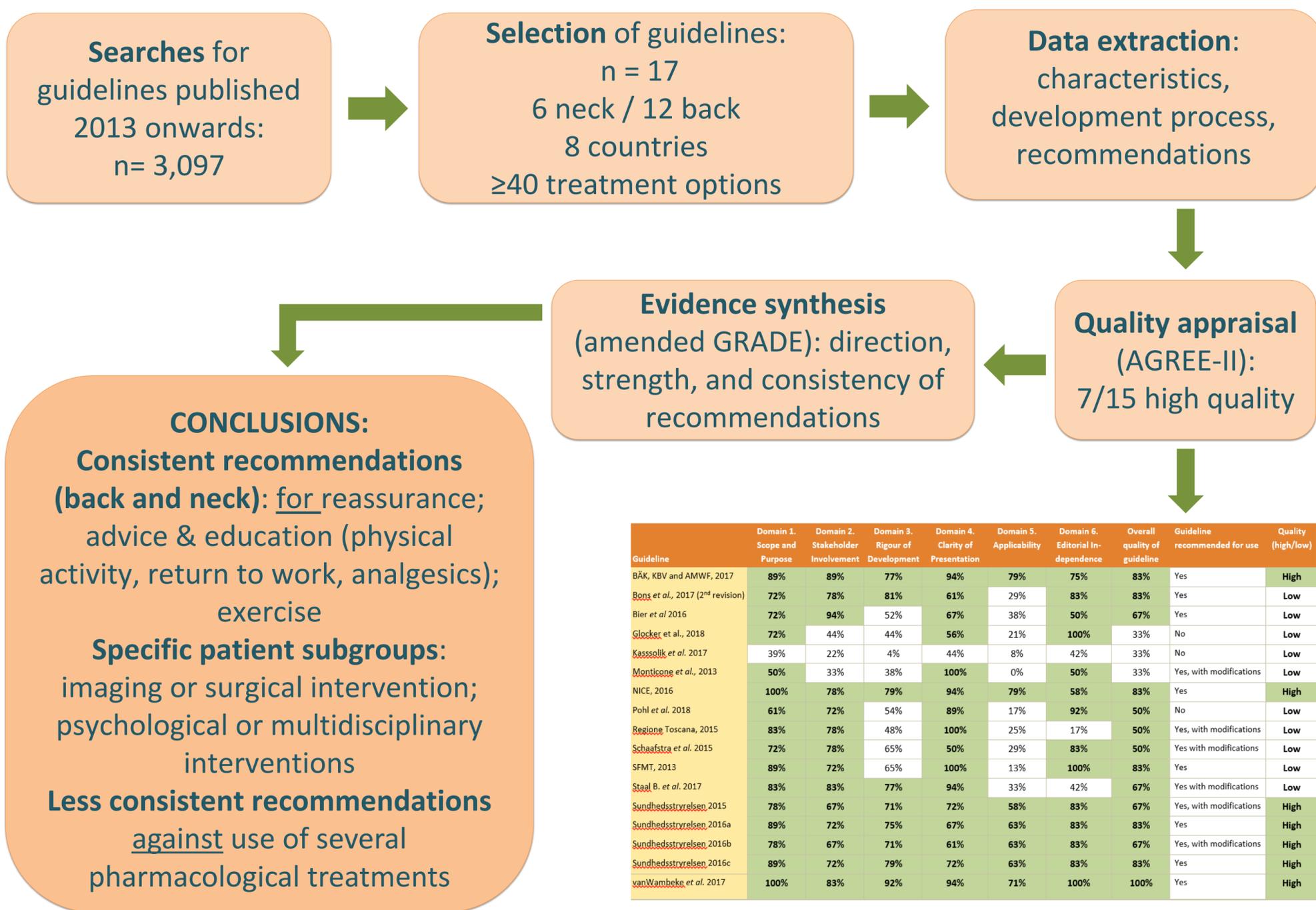
The EU-funded Back-UP project aims to develop a cloud computer platform to guide the treatment of low back and neck pain (LBNP) in first contact care and early rehabilitation.

Aim

To identify evidence-based treatment options that can be recommended and are accessible to people with LBNP across Europe

Methods

Systematic review of evidence-based guidelines issued by healthcare organisations across Europe



| Guideline | Domain 1. Scope and Purpose | Domain 2. Stakeholder Involvement | Domain 3. Rigour of Development | Domain 4. Clarity of Presentation | Domain 5. Applicability | Domain 6. Editorial Independence | Overall quality of guideline | Guideline recommended for use | Quality (high/low) |
|--|-----------------------------|-----------------------------------|---------------------------------|-----------------------------------|-------------------------|----------------------------------|------------------------------|-------------------------------|--------------------|
| BÄK, KBV and AMWF, 2017 | 89% | 89% | 77% | 94% | 79% | 75% | 83% | Yes | High |
| Bons <i>et al.</i> , 2017 (2 nd revision) | 72% | 78% | 81% | 61% | 29% | 83% | 83% | Yes | Low |
| Bier <i>et al</i> 2016 | 72% | 94% | 52% | 67% | 38% | 50% | 67% | Yes | Low |
| Glocker <i>et al.</i> , 2018 | 72% | 44% | 44% | 56% | 21% | 100% | 33% | No | Low |
| Kassalik <i>et al.</i> 2017 | 39% | 22% | 4% | 44% | 8% | 42% | 33% | No | Low |
| Monticone <i>et al.</i> , 2013 | 50% | 33% | 38% | 100% | 0% | 50% | 33% | Yes, with modifications | Low |
| NICE, 2016 | 100% | 78% | 79% | 94% | 79% | 58% | 83% | Yes | High |
| Pohl <i>et al.</i> 2018 | 61% | 72% | 54% | 89% | 17% | 92% | 50% | No | Low |
| Regione Toscana, 2015 | 83% | 78% | 48% | 100% | 25% | 17% | 50% | Yes, with modifications | Low |
| Schaafstra <i>et al.</i> 2015 | 72% | 78% | 65% | 50% | 29% | 83% | 50% | Yes with modifications | Low |
| SFMT, 2013 | 89% | 72% | 65% | 100% | 13% | 100% | 83% | Yes | Low |
| Staal B. <i>et al.</i> 2017 | 83% | 83% | 77% | 94% | 33% | 42% | 67% | Yes with modifications | Low |
| Sundhedsstyrelsen 2015 | 78% | 67% | 71% | 72% | 58% | 83% | 67% | Yes, with modifications | High |
| Sundhedsstyrelsen 2016a | 89% | 72% | 75% | 67% | 63% | 83% | 83% | Yes | High |
| Sundhedsstyrelsen 2016b | 78% | 67% | 71% | 61% | 63% | 83% | 67% | Yes, with modifications | High |
| Sundhedsstyrelsen 2016c | 89% | 72% | 79% | 72% | 63% | 83% | 83% | Yes | High |
| vanWambeke <i>et al.</i> 2017 | 100% | 83% | 92% | 94% | 71% | 100% | 100% | Yes | High |

Next steps

International online survey to achieve clinical consensus across Europe to match recommended treatment options for LBNP to Back-UP prognostic stratification groups (low, medium, high risk of poor outcome)

