

Additional file 1: Search strategy used for the literature search

Databases: PubMed, Cochrane Database. Database search from inception to September 2018, limited to English articles.

PubMed Search:

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|--------------------------|--------------------------------------|
| 1. "young adult" | 13. "causality" |
| 2. "adolescen*" | 14. "epidemiological factor" |
| 3. "teenager" | 15. "indicators" |
| 4. "juvenile" | 16. "prognostic" |
| 5. "child*" | 17. "cause" |
| 6. 1 OR 2 OR 3 OR 4 OR 5 | 18. "comorbidities", |
| 7. "low back pain" | 19. "prevalence" |
| 8. "back pain" | 20. "incidence". |
| 9. "mid back pain" | 21. 11 OR 12 OR 13 OR 14 OR 15 OR 16 |
| 10. 7 OR 8 OR 9 | OR 17 OR 18 OR 19 OR 20 |
| 11. "risk" | 22. 6 AND 10 AND 21 |
| 12. "risk factor" | |

Cochrane Search:

1. young adult OR adolescen* OR teenager OR juvenile OR child*
2. low back pain OR back pain OR mid back pain
3. risk OR risk factor OR causality OR epidemiological factor OR indicators OR prognostic OR cause OR comorbidities OR prevalence OR incidence
4. S1 AND S2 AND S3