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|  **Randomized Controlled Trials** |
| **Author**Supplemental Digital Content 3: Summary of results qualitative assessment | **Domain 1:****Risk of bias arising from the randomization process****(Level of bias)** | **Domain 2a:****Risk of bias due to deviations from the intended interventions** **(Level of bias)** | **Domain 2b:****Risk of bias due to deviations from the intended interventions** **(Level of bias)** | **Domain 3: Missing outcome data****(Level of bias)** | **Domain 4:****Risk of bias in measurement of the outcome****(Level of bias)** | **Domain 5:****Risk of bias in selection of the reported result****(Level of bias)** | **Overall level of bias** |
| Leung et al (2013)18 | Low | Low | Low | Low | Low | Low | Low |
| Mekki et al (2019)21 | Low | Low | Low | Low | Some concerns(unblinded outcome assessor) | Low | Some concerns |
| Mkacher et al (2015)11 | Some concerns(concealment of allocation sequence unclear) | Low | Low | Low | Some concerns(blinding of outcome assessors is unclear) | Low | High |
| Gloeckl et al (2017)20 | Low | Low | Low | Low | Low | Low | Low |
| Marques et al (2015)27 | Low | Low | Low | Low | Some concerns(unblinded outcome assessors) | Low | Some concerns |
| Beauchamp et al (2013- RCT) 12 | Low | Low | Low | Low | Low | Low | Low |
| **Within-group studies** |
| **Author** | **Type of bias** | **Bias level** | **Description of bias** | **Overall level of bias** |
| Jácome et al (2014)22 | Bias due to missing dataBias in measurement of outcome | LowSerious | 13.3% drop-outEvaluators were the same healthcare professionals that delivered the PR-program. | Serious |
| Beauchamp et al (2010)19 | Bias due to missing dataBias in measurement of outcome | LowLow | 12% drop-outEvaluators at post-rehab assessment were unaware of baseline test scores | Low |
| Marques et al (2015-1) 23 | Bias due to missing dataBias in measurement of outcome | SeriousNo information | 35.3% drop-outNo information on whether or not evaluators were aware of baseline scores at post-test | Serious |
| Marques et al (2015-2)26 | Bias due to missing dataBias in measurement of outcome | LowNo information | 10% drop-outNo information on whether or not evaluators were aware of baseline scores at post-test | No information |
| Rinaldo et al (2017) CT 30 | Bias due to missing dataBias in measurement of outcome | LowNo information | 14.3% drop-outNo information on whether or not evaluators were aware of baseline scores at post-test | No information |
| Rinaldo et al (2017) EDU 30 | Bias due to missing dataBias in measurement of outcome | LowNo information | 14.3% drop-outNo information on whether or not evaluators were aware of baseline scores at post-test | No information |
| Harrison et al (2015) 31 | Bias due to missing dataBias in measurement of outcome | SeriousSerious | 32.1% drop-outEvaluators performing post-tests were aware of baseline scores | Serious |
| Harrison et al (2019) 24 | Bias due to missing dataBias in measurement of outcome | SeriousNo information | High drop-out ratesNo information on whether or not evaluators were aware of baseline scores at post-test | Serious |
| Liu et al (2019) 29 | Bias in measurement of outcome | Moderate | Evaluator at post-rehab assessment was aware of baseline test scores, but it is unlikely that this influenced the outcomes | Moderate |
| Mesquita et al (2016) 28 | Bias due to missing dataBias in measurement of outcome | ModerateModerate | 24% drop-outAssessors were aware of intervention and baseline test scores, but this only minimally influenced the test results | Moderate |