

Supplementary 4 (S4)

Table S4 Study quality assessment (EPHPP)

| Primary source | Component rating | | | | | | Global rating |
|--|------------------|--------------|-------------|----------|-----------------|------------------------|-----------------------|
| | Selection bias | Study design | Confounders | Blinding | Data collection | Withdrawals / dropouts | Overall study quality |
| Aguiar <i>et al</i> , 2016(43) | Weak | Strong | Strong | Moderate | Strong | Strong | Moderate |
| Andersen <i>et al</i> , 2012(44, 45) | Weak | Strong | Strong | Moderate | Strong | Strong | Moderate |
| Ashton <i>et al</i> , 2017(46) | Weak | Strong | Strong | Moderate | Strong | Strong | Moderate |
| Galvao <i>et al</i> , 2017(47) | Moderate | Strong | Strong | Moderate | Strong | Moderate | Moderate |
| Gong <i>et al</i> , 2015(48) | Moderate | Strong | Strong | Strong | Moderate | Strong | Strong |
| Gray <i>et al</i> , 2013(49) | Weak | Strong | Strong | Weak | Strong | Strong | Moderate |
| Groeneveld <i>et al</i> , 2011(50) | Weak | Strong | Strong | Weak | Strong | Weak | Moderate |
| Hunt <i>et al</i> , 2014(51) | Weak | Strong | Strong | Weak | Strong | Weak | Moderate |
| Livingston <i>et al</i> , 2015(52, 53) | Weak | Strong | Strong | Weak | Strong | Strong | Moderate |
| Maruyama <i>et al</i> , 2010(54) | Weak | Strong | Strong | Weak | Strong | Strong | Moderate |
| McGowan <i>et al</i> , 2013(55) | Strong | Strong | Strong | Weak | Strong | Moderate | Moderate |
| Morgan <i>et al</i> , 2013(56) | Weak | Strong | Strong | Moderate | Strong | Strong | Moderate |
| Morgan <i>et al</i> , 2014(57) | Weak | Strong | Strong | Weak | Strong | Strong | Moderate |
| Morgan <i>et al</i> , 2011a(58) | Weak | Strong | Strong | Weak | Strong | Moderate | Moderate |
| Morgan <i>et al</i> , 2011b(59) | Strong | Strong | Strong | Weak | Strong | Strong | Strong |
| Morgan <i>et al</i> , 2009(60) | Weak | Strong | Strong | Strong | Strong | Strong | Strong |
| Patrick <i>et al</i> , 2011(61) | Weak | Strong | Strong | Moderate | Strong | Moderate | Moderate |
| Petrella <i>et al</i> , 2017(62) | Weak | Strong | Strong | Weak | Strong | Strong | Moderate |
| Pritchard <i>et al</i> , 1997(63) | Weak | Strong | Strong | Weak | Weak | Strong | Moderate |
| Schröder <i>et al</i> , 2018(64) | Moderate | Strong | Strong | Weak | Strong | Weak | Moderate |
| Shin <i>et al</i> , 2017(65) | Weak | Strong | Strong | Weak | Strong | Strong | Moderate |
| Viestter <i>et al</i> , 2018(66) | Moderate | Strong | Strong | Moderate | Strong | Strong | Strong |
| Werkman <i>et al</i> , 2010(67) | Weak | Strong | Weak | Weak | Strong | Strong | Moderate |
| Wyke <i>et al</i> , 2019(68) | Weak | Strong | Strong | Moderate | Strong | Strong | Moderate |