**Appendix Table D4. Risk of bias for cultural competence interventions targeting gender and sexual minorities**

| **Study****Country****Funding** | **Type of Study** | **Overall****Risk of Bias****Assessment** | **Rationale** |
| --- | --- | --- | --- |
| ***Interventions Aimed at Prompting LGBT Patients to Interact With the Formal Healthcare System for Screening or Testing***  |
| Blas, 2010[27](#_ENREF_27)PeruGovernment/NGO | Randomized trial | High | Lack of equivalent control |
| Bowen, 2006[26](#_ENREF_26) United StatesGovernment | Randomized trial | High | Unclear randomization process and allocation concealment, unblinded, no attention control |
| ***Clinic-based Mental Health and Substance Use Interventions Tailored to an LGBT Population*** |
| Peck, 2005[32](#_ENREF_32)United StatesGovernmentShoptaw, 2004[32](#_ENREF_32)United StatesGovernment | Randomized trial | High | Unclear blinding of participants or assessors. Unclear attrition reporting and missing data analysis for sexual risk behavior outcomes.  |
| **Interventions Aimed at Behavioral Risk Reduction That Involve Formal Healthcare Providers** |
| Bachmann, 2013[33](#_ENREF_33)United StatesGovernment | Longitudinal  | High | Nonrandomized longitudinal design, possible bias due to attrition |
| Patel, 2012[34](#_ENREF_34)United StatesGovernment | Prospective cohort, pre-post | High | Nonrandomized pre-post design |
| McKirnan, 2010[30](#_ENREF_30)United StatesGovernment | Randomized trial | High | Unclear randomization process and allocation concealment, unblinded, no attention control |
| Marrazzo, 2011[31](#_ENREF_31)United StatesGovernment | Randomized trial | High | Unclear blinding of participants or assessors, lack of clarity in describing intervention components  |
| **Interventions Testing Medical Training Curricula** |
| Kelly, 2008[35](#_ENREF_35)United StatesGovernment | Pre-post | High | Nonrandomized pre-post survey design |
| McGarry, 2002[36](#_ENREF_36)United StatesFunding not reported | Pre-post | High | Nonrandomized pre-post survey design  |
| Beagan, 2003[37](#_ENREF_37)CanadaGovernment | Prospective cohort,historical control | High | Nonrandomized pre-post survey design |
| **Psychosocial Interventions** |  |  |
| Fobair, 2002113Unites StatesGovernment | Pre-post | High | Nonrandomized pre-post design, insufficient sample size |