**Appendix 2: Applied QUIPS tool and Risk of Bias**

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| **Domain** | **Items for consideration** | **Rating** |
| Study participation | Adequate description of period + place of recruitmentAdequate description of in/exclusion criteriaAdequate description of number + characteristics of LTFU patients | **High risk:** Significant amount of eligible patients not included in the study (e.g. experimental design)**Low risk:** almost all eligible patients included or random inclusion |
| Study attrition | Adequate description of how outcome information was collected (deceased/transfer out / LTFU) | **High risk**: no system in place to register transfer outs or deaths to distinguish from LTFU **Low risk:** deaths and transfer outs properly registered |
| Prognostic factor measurement | Clear definition of the determinantsAdequate description of how and when determinants were measuredMethod of measurement same for all participantsMissing data  | **High risk:** determinants collected at different time points in treatment cascade, missing data ≥10%**Low risk:** all determinants collected at same time point, missing data <10% |
| Outcome measurement | Clear definition of LTFUMethod of measurement same for all participants  | **High risk:** flexible definition including interruptions or depending on time of data collection with different time points **Low risk:** strict LTFU definition with fixed number of days since last or scheduled visit date |
| Study confounding | Clear definition and adequate measurement of important confoundersImportant potential confounders are accounted for in the analysis  | **High risk:** if determinants with p<0.05 in univariate analysis are not included in multivariate analysis**Low risk:** if all determinants from age, gender and CD4 plus other determinants in multivariate analysis unless p>0.1 in univariate analysis |
| Statistical analysis and reporting | Sufficient presentation of data to assess the adequacy of the analytic strategyNo selective reporting of results | **High risk:** no CI or SE reported, 4 or less determinants in multivariate analysis**Low risk:** CI or SE reported, 5 or more determinants in multivariate analysis  |
| **Overall** |  | **High risk:** If 2 or more high risks**Moderate risk:** if 1 high risk and / or 2 or more unclear **Low risk:** If maximum 1 unclear and no high risks |

