| **First Author, Year** | **Test(s) adequately described (or referenced)?** | **Was the spectrum of patients representative of the patients who will receive the test in PC?** | **Were selection criteria clearly described?** | **Did the whole or a random selection of the sample receive reference test?** | **Did patients receive the reference test (and the same reference test) regardless of screening test results?** | **Was the reference standard independent of the test?** | **Were the index test and reference standard results interpreted independently blinded (each test interpreted blinded to the result of the other)?** | **Were withdrawals from the study explained (post- enrollment)?** | **Were methods for calculating accuracy clearly reported and valid?** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Gurubhagava-tula, 2013104 | Yes | Partially; sample was 80% men, had higher prevalence of any OSA (AHI ≥5 for 80%; and mean AHI of 22.5) than would be expected, age limited to 30-65, and had high proportion of African Americans (59%); they enrolled consecutive outpatients with HTN aged 30-65; some from HTN clinic. | Yes | No, all were invited for PSG, but 21% (52/250) did not get it | Yes | Yes | Yes | Partially | Yes |
| Morales, 2012103 | Yes | Partially; sample was ≥65, had higher prevalence of sleepiness than would be expected (74% reported that they had a problem staying awake every day or several [≥3] days per week; 32% had ESS >10)  | Yes | No, all were invited but 19% (104/556) of all those screened did not get it; some of those were ineligible—roughly 13% of those eligible did not complete studies | Yes, and they sought to recruit equal numbers of study participants for each decile of MAP score | Yes | Yes | Yes | Yes |
| Hrubos-Strom, 2011102 | Yes | Yes, for the screening sample; but, not for the clinical sample—the sample who had PSG oversampled the high-risk group, had higher ESS scores, rates of snoring | Yes | No, 1772 (of 9319 eligible for random draws) were randomly drawn. Of those 1772, 518 (29%) had PSG; the sample of 518 overrepresented the BQ high risk group  | No | Yes | Yes | Yes | Yes |
| Gurubhagava-tula, 2004105 | Yes | No, commercial drivers, 93.5% men, 85% white, and oversampled the higher-risk group (247 of the 406 who had PSG) | Yes | No, sampling strategy was to invite all of those with the highest risk scores and then a random (and smaller) sample of the lower-risk group | No, sampling strategy was to invite all of those with the highest risk scores and then a random (and smaller) sample of the lower-risk group | Yes | Yes | Yes, to some degree | Yes |

**Abbreviations:** AHI=apnea-hypopnea index; ESS=Epworth Sleepiness Scale; HTN=hypertension; MAP=multivariate apnea prediction; OSA=obstructive sleep apnea; PC=primary care; PSG=polysomnography.