| **First Author, Year** | **PM Name****PM Setting** | **PSG AHI Cutpoint****PM AHI Cutpoint** | **Sensitivity (95% CI)** | **Specificity (95% CI)** | **AUROC (95% CI)** | **Pos LR (95% CI)** | **Neg LR (95% CI)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Barak-Shinar, 2013115 | Morpheus OxLab | AHI ≥5AHI ≥5 | 97.0 (91.6, 99.4) | 97.4 (86.5, 99.9) | NR | NR | NR |
| Barak-Shinar, 2013115 | Morpheus OxLab | AHI ≥15AHI ≥15 | 94.4 (84.6, 98.8) | 96.5 (90.1, 99.3) | NR | NR | NR |
| Choi, 2010125 | Watch-PAT 100Home | AHI ≥5NR | 100.0 (NR) | 83.0 (NR) | NR | NR | NR |
| Choi, 2010125 | Watch-PAT 100Home | AHI ≥15NR | 81.0 (NR) | 77.0 (NR) | NR | NR | NR |
| Choi, 2010125 | Watch-PAT 100Home | AHI ≥30NR | 92.0 (NR) | 92.0 (NR) | NR | NR | NR |
| Garg, 2014127 | Watch-PAT 200Lab, Home | AHI ≥5NR | Lab: NRHome: 96.0 (85.0, 99.0) | Lab: NRHome: 43.0 (22.0, 66.0) | Lab: 0.940 (NR)Home: 0.909 (NR) | Lab: 1.70 (NR)Home: 1.67 (1.15, 2.44) | Lab: NRHome: 0.01 (0.02, 0.42) |
| Garg, 2014127 | Watch-PAT 200Lab, Home | AHI ≥10NR | Lab: NRHome: 90.0 (77.0, 97.0) | Lab: NRHome: 69.0 (48.0, 86.0) | Lab: 0.960 (NR)Home: 0.946 (NR) | Lab: NRHome: 2.94 (1.64, 5.28) | Lab: NRHome: 0.14 (0.05, 0.36) |
| Garg, 2014127 | Watch-PAT 200Lab, Home | AHI ≥15NR | Lab: NRHome: 92.0 (79.0, 98.0) | Lab: NRHome: 77.0 (58.0, 90.0) | Lab: 0.960 (NR)Home: 0.922 (NR) | Lab: NRHome: 3.95 (2.05, 7.60) | Lab: NRHome: 0.10 (0.03, 0.31) |
| Gurubhagavatula, 2013104 | AutoSet PDSHome | AHI ≥5\*AHI cutpoint=8.9 | 71.8 (NR) | 47.8 (NR) | 0.591 (NR) | NR | 0.57 (NR) |
| Gurubhagavatula, 2013104 | AutoSet PDSHome | AHI ≥30†AHI cutpoint=16 | 74.7 (NR) | 70.6 (NR) | 0.727 (NR) | NR | 0.36 (NR) |
| Masa, 2011119 | BreastSC20Home | AHI ≥5Multipleǂ | PM AHI ≥5: 96.0 (NR)PM AHI ≥10: 87.0 (NR) | PM AHI ≥5: 57.0 (NR)PM AHI ≥10: 86.0 (NR) | 0.917 (0.864, 0.969) | PM AHI ≥5: 2.23 (1.78, 2.79)PM AHI ≥10: 6.25 (2.73, 14.00) | PM AHI ≥5: 0.07 (0.05, 0.10)PM AHI ≥10: 0.15 (0.11, 0.21) |
| Masa, 2011119 | BreastSC20Home | AHI ≥10Multipleǂ | PM AHI ≥5: 97.0 (NR)PM AHI ≥20: 71.0 (NR) | PM AHI ≥5: 39.0 (NR)PM AHI ≥20: 90.0 (NR) | 0.883 (0.845, 0.933) | PM AHI ≥5: 1.59 (1.30, 1.94)PM AHI ≥20: 7.10 (3.37, 15.00) | PM AHI ≥5: 0.08 (0.04, 0.16)PM AHI ≥20: 0.32 (0.26, 0.39) |
| Masa, 2011119 | BreastSC20Home | AHI ≥15Multipleǂ | PM AHI ≥10: 94.0 (NR)PM AHI ≥25: 67.0 (NR) | PM AHI ≥10: 60.0 (NR)PM AHI ≥25: 92.0 (NR) | 0.891 (0.859, 0.933) | PM AHI ≥10:2.35 (1.81, 3.05)PM AHI ≥25: 8.36 (4.09, 17.00) | PM AHI ≥10: 0.10 (0.06, 0.17)PM AHI ≥25: 0.36 (0.30, 0.44) |

\* Authors defined any obstructive sleep apnea syndrome as AHI ≥5 and Epworth Sleepiness Scale >10.

ǂ Authors defined severe obstructive sleep apnea syndrome as AHI ≥30 and Epworth Sleepiness Scale >10.

ǂ Authors reported exclusionary and confirmatory PM AHI cutpoints for each level of the PSG AHI.

**Abbreviations:** AHI=apnea-hypopnea index; AUROC=area under receiver operating characteristic curve; LR=likelihood ratio; Neg=negative; NR=not reported; PM=portable monitor; Pos=positive; PSG=polysomnography.