

Table S1: OSA diagnosis (ICD-9-CM codes) and treatment/adherence (PAP HCPCS codes) from claims files.

OSA Diagnosis	327.23 (OSA) 327.20 (organic sleep apnea, unspecified) 780.57 (unspecified sleep apnea) 780.53 (hypersomnia with sleep apnea, unspecified)
INITIAL "Treatment"	E0601 (CPAP, auto CPAP) E0470 (ResMed S9VPAP Adapt) E0470 (Bilevel, auto bilevel) E0471 (Bilevel with backup rate) E0562 (heated humidifier) A7034 (nasal mask) A7035 (headgear) A7033 (nasal pillows) A7032 (nasal cushion) A7031 (full cushion) A7028 (oral cushion) A7027 (comb oral/nasal mask) A7036 (chin strap) A7037 (Tubing) A4604 (heated tubing) A7039 (washable filters) A7038 (disposable filters) A7046 (humid chamber)
Subsequent "Adherence"	A7035 (headgear) A7034 (nasal mask) A7033 (nasal pillows) A7032 (nasal cushion) A7031 (full cushion) A7028 (oral cushion) A7027 (comb oral/nasal mask) A7036 (chin strap) A7037 (Tubing) A4604 (heated tubing) A7039 (washable filters) A7038 (disposable filters) A7046 (humid chamber)