Table SI. Search strategy for PubMed (retrieved on February 7, 2021).

| Search ID | Search terms                                                                 |
|-----------|-----------------------------------------------------------------------------|
| 1         | obstructive sleep apnea[MeSH Terms]                                         |
| 2         | sleep apnea syndrome[MeSH Terms]                                            |
| 3         | ((obstructive sleep apnea[Title/Abstract]) OR (sleep apnea syndrome[Title/Abstract])) OR (OSA[Title/Abstract]) |
| 4         | (#1 OR #2) OR #3                                                            |
| 5         | (((predict*[Title/Abstract]) OR (independent*[Title/Abstract])) OR (factor*[Title/Abstract])) OR (variable*[Title/Abstract]) |
| 6         | (((purchas*[Title/Abstract]) OR (buy*[Title/Abstract] OR bought[Title/Abstract])) OR (pay*[Title/Abstract] OR paid[Title/Abstract])) OR (expend*[Title/Abstract] OR spend*[Title/Abstract]) |
| 7         | (#4 AND #5) AND #6                                                          |

MeSH, medical subject headings; OSA, obstructive sleep apnea.
Table SII. Search strategy for Central (retrieved on February 7, 2021).

| Search ID | Search terms |
|-----------|--------------|
| 1         | MeSH descriptor: [Sleep Apnea Syndromes] explode all trees |
| 2         | MeSH descriptor: [Sleep Apnea, Obstructive] explode all trees |
| 3         | (obstructive sleep apnea):ti,ab,kw OR (sleep apnea syndrome):ti,ab,kw OR (OSA):ti,ab,kw |
| 4         | (#1 OR #2) OR #3 |
| 5         | ((predict* OR independent) OR (factor* OR variable*)):ti,ab,kw (Word variations have been searched) |
| 6         | (purchas* OR (buy OR bought) OR (pay OR paid) OR (expend* OR spend*)):ti,ab,kw |
| 7         | (#4 AND #5) AND #6 |

MeSH, medical subject headings; OSA, obstructive sleep apnea; ti, title; ab, abstract; kw, keywords.
Table SIII. Search strategy for ISI Web of science (retrieved on February 7, 2021).

| Search ID | Search terms |
|-----------|--------------|
| 1         | TI = (obstructive sleep apnea) |
| 2         | AB= (obstructive sleep apnea) |
| 3         | TI=(sleep apnea syndrome*) |
| 4         | AB=(sleep apnea syndrome*) |
| 5         | TI=OSA OR AB=OSA |
| 6         | #5 OR #4 OR #3 OR #2 OR #1 |
| 7         | TI=predict* OR AB=predict* |
| 8         | TI=independent OR AB=independent |
| 9         | TI=factor* OR AB=factor* |
| 10        | TI=variable* OR AB=variable* |
| 11        | #10 OR #9 OR #8 OR #7 |
| 12        | TI=purchas* OR AB=purchas* |
| 13        | (TI=buy OR AB=buy) OR (TI=bought OR AB=bought) |
| 14        | (TI=pay OR AB=pay) OR (TI=paid OR AB=paid) |
| 15        | (TI=expend* OR AB=expend*) OR (TI=spend* OR AB=spend*) |
| 16        | #15 OR #14 OR #13 OR #12 |
| 17        | #16 AND #11 AND #6 |

AB, abstract; OSA, obstructive sleep apnea; TI, title.
Table SIV. Search strategy for Scopus (retrieved on February 8, 2021).

| Search area | Search terms |
|-------------|--------------|
| TITLE       | Obstructive, sleep, apnea, syndrome*, osa, predict*, independent, factor*, variable*, purchas*, buy, bought, expend*, spend*, pay, paid |
| ABS         | Obstructive, sleep, apnea, syndrome*, osa, predict*, independent, factor*, variable*, purchas*, buy, bought, expend*, spend*, pay, paid |
| KEY         | Obstructive, sleep, apnea, syndrome*, osa, predict*, independent, factor*, variable*, purchas*, buy, bought, expend*, spend*, pay, paid |
| SUMMARY     | (((TITLE-ABS-KEY(obstructive AND sleep AND apnea) OR TITLE-ABS-KEY (sleep AND apnea AND syndrome*)) OR TITLE-ABS-KEY (osa))) AND ((TITLE-ABS-KEY (predict*) OR TITLE-ABS-KEY (independent) OR TITLE-ABS-KEY(factor*) OR TITLE-ABS-KEY(variable* ))) AND ((TITLE-ABS-KEY (purchas*) OR TITLE-ABS-KEY(buy) OR TITLE-ABS-KEY(bought) OR TITLE-ABS-KEY (expend*) OR TITLE-ABS-KEY(spend*) OR TITLE-ABS-KEY (pay) OR TITLE-ABS-KEY (paid))) |

ABS, abstract; KEY: keywords.
Table SV. Search strategy for CINAHL Plus (retrieved on February 8, 2021).

| Search ID | Search terms |
|-----------|--------------|
| S1        | TI (obstructive sleep apnea or obstructive sleep apnoea or osa) OR AB (obstructive sleep apnea or obstructive sleep apnoea or osa) |
| S2        | TI sleep apnea syndrome* OR AB sleep apnea syndrome* |
| S3        | TI OSA OR AB OSA |
| S4        | (TI OSA OR AB OSA) AND (S1 OR S2 OR S3) |
| S5        | TI predict* OR AB predict* |
| S6        | TI independent OR AB independent |
| S7        | TI factor* OR AB factor* |
| S8        | TI variable* OR AB variable* |
| S9        | (TI variable* OR AB variable*) AND (S5 OR S6 OR S7 OR S8) |
| S10       | TI purchas* OR AB purchas* |
| S11       | TI ( buy OR bought ) OR AB ( buy OR bought ) |
| S12       | TI ( pay OR paid ) OR AB ( pay OR paid ) |
| S13       | TI expend* OR AB expend* |
| S14       | TI spend* OR AB spend* |
| S15       | (TI spend* OR AB spend*) AND (S10 OR S11 OR S12 OR S13 OR S14) |
| S16       | ((TI spend* OR AB spend*) AND (S10 OR S11 OR S12 OR S13 OR S14)) AND (S4 AND S9 AND S15) |

AB, abstract; OSA, obstructive sleep apnea; TI, title.