Assessed for eligibility

Excluded (n=186)
- Not meeting inclusion criteria (n=166)
  - Heart failure (n=45)
  - Depression (n=32)
  - Malignancy (n=39)
  - Chronic respiratory failure (n=16)
  - Chronic renal insufficiency (n=34)
- Declined to participate (n=20)
- Other reasons (n=0)

PSG (n=57)

Central sleep apnea (n=8)

Allocated to intervention, Overlap syndrome, (AHI>15) (n=24)
- Received allocated intervention (n=22)
- Did not receive allocated intervention
  - Inadequate CPAP titration (n=2)

Allocated to intervention, COPD, (AHI≤15) (n=25)
- Received allocated intervention (n=22)
- Did not receive allocated intervention
  - Intolerant to CPAP (n=3)