

## Supplementary appendix 1.

## Apnoea and hypopnoea definitions by manufacturers.

Manufacturer	Apnoea definition	Hypopnoea definition
Resmed (S8, S9, S10 models)	A decrease in the 2-s moving average root mean square ventilation of 75% for at least 10 seconds	All of the following conditions are needed: - A decrease in the 2-s moving average root mean square ventilation below 50% for at least 12 seconds (S8) or 10 seconds (S9 and S10 models) - The hypopnea contains one or more partially obstructed breaths. - The hypopnoea is not immediately followed by an apnoea
Philips Respironics (System One Model)	A decrease in flow signal of >80% for at least 10 seconds	A decrease in flow signal of >40% for at least 10 seconds
Löwenstein (Prisma Models)	A flow signal $\leq 4$ l/minute for at least 10 seconds	A decrease in flow signal of >35% for at least 10 seconds
Fisher & Paykel InfoSmart software	A decrease in flow signal of >80% for at least 10 seconds	A decrease in flow signal of >40% for at least 10 seconds
SEFAM (Sbox models)	A decrease in flow signal of 100% for at least 10 seconds	A decrease in flow signal of >50% for at least 10 seconds
DeVilbiss Healthcare IntelliPAP AutoAdjust 2	A decrease in flow signal of >90% for at least 10 seconds	A decrease in flow signal of >50% for at least 10 seconds