leep Apnea

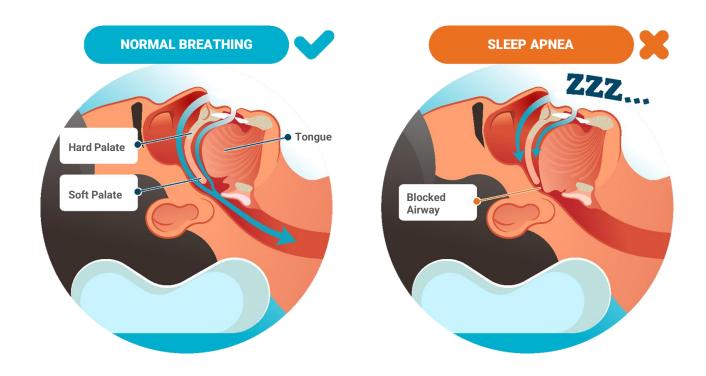
Presented by Vanessa Laferrière inh.

Respiratory Therapist











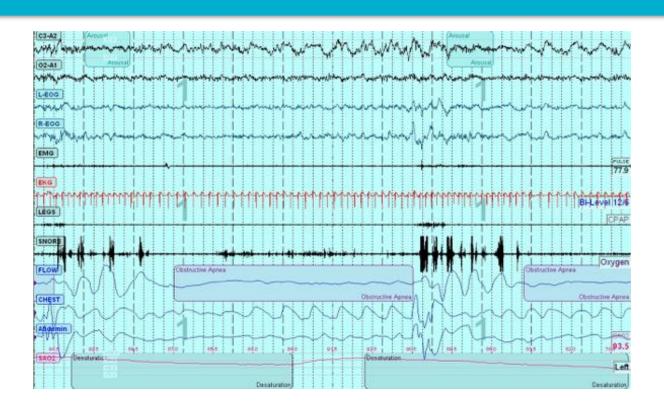


AHI = APNEA INDEX + HYPOPNEAS PER HOUR









Famous personalities with sleep apnea syndrome





Sleep Apnea Symptoms **Daytime**





Persistent fatigue



Headaches



Depression



Concentration issues



Dry mouth in the morning



Excessive morning fatigue

Sleep Apnea Symptoms **Night Time**





Night sweats



Restless sleep



Nocturia



Nightmares



Snoring



Gasping or choking sensation

1 in 4 Canadians over the age of 55 suffer from sleep apnea.



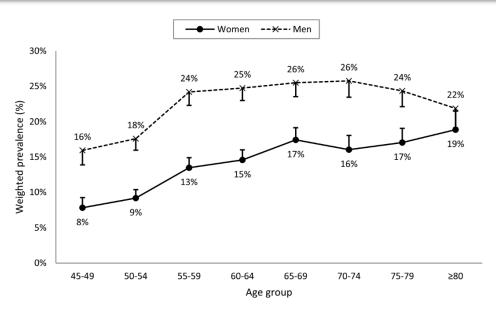


Figure 2. Prevalence of participants at high-risk for OSA by age group in women (solid curve) and men (dashed curve). Error bars represent the 95% confidence interval.

Ref: 022Thomson CSLA 41598_2022_Article_8164

Probability of sleep apnea in people aged 65 and over





1052 participants

Among 1,052 participants who completed the sleep module, 56% were estimated to be at elevated risk for OSA. Only 8% of the elevated risk individuals had been tested for it. Among those tested, 94% were diagnosed with OSA. Treatment with positive airway pressure was prescribed for 82% of participants with an OSA diagnosis.



Recent guidelines on sleep-disordered breathing sleep-disordered breathing in people aged 65 and over





TASK FORCE REPORT GUIDELINES

Principles of practice parameters for the treatment of sleep disordered breathing in the elderly and frail elderly: the consensus of the International Geriatric Sleep Medicine Task Force

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Affiliations: ¹Hermann Buhl Institute for Hypoxia and Sleep Medicine Research, Dept of Sports Science, Faculty Psychology and Sports Science, University Innsbruck, Austria. ²Division of Sports Medicine and Rehabilitation, pt of Medicine, University Hospitals Ulm, Ulm, Germany. ³Depts of Psychiatry and Medicine, University of Ilifornia, San Diego, CA, USA. ⁴Sleep Program, Dept of Neurology, Emory University, Atlanta, GA, USA, ⁵sleep and Epilepsy Center, Neurocenter of Southern Switzerland, Lugano, Switzerland. ⁴Institute for Science and Technology in Medicine, Keele University, Keele, UK. ⁷Dental Medical School, University of British Colombia, Vancouver, BC, Canada. ⁸Gertairt Sleep Center, Edouard Herriot University Hospital, HCL, Lyon, Cance. ⁷Dept of Geriatrics, Bichat University Hospital, APHP and INSERM U669, Paris, France. ¹⁰Institute for abilitation Research, Hospital Norderney, Norderney, Germany, "TRespiratory Dept, La Fe University and hinic Hospital, Valencia, Spain. ¹⁷Faculty of Health, Dept Medicine, University Witten-Herdecke, Witten, ¹⁷Dept of Geriatrics, Kliniken Essen Mitte, Essen, Germany.

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CT Sleep disordered breathing (SDB) is a leading cause of morbidity worldwide. Its prevalence se with age. Due to the demographic changes in industrial societies, pulmonologists and sleep scienas are confronted with a rapidly growing number of elderly SDB patients. For many physicians, it remains unclear how current guidelines for SDB management apply to elderly and frail elderly patients. The goal of this consensus statement is to provide guidance based on published evidence for SDB treatment in this specific patient group.

Clinicians and researchers with expertise in geriatric sleep medicine representing several countries were invited to participate in a task force. A literature search of PubMed from the past 12 years and a systematic





Effectiveness of sleep apnea treatment in patients aged 65 and over



"CPAP reduces sleepiness and is marginally more cost effective over 12 months than is best supportive care alone."

Lancet Respir Med 2014; 2: 804-812

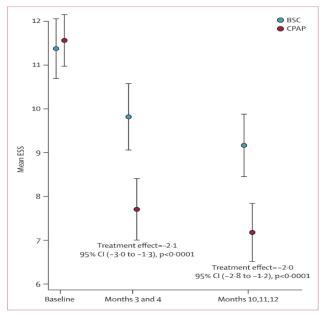


Figure 2: Treatment effect of CPAP compared with BSC on subjective sleepiness measured by mean ESS

Predicting those at risk of obstructive sleep apnea (OSA)

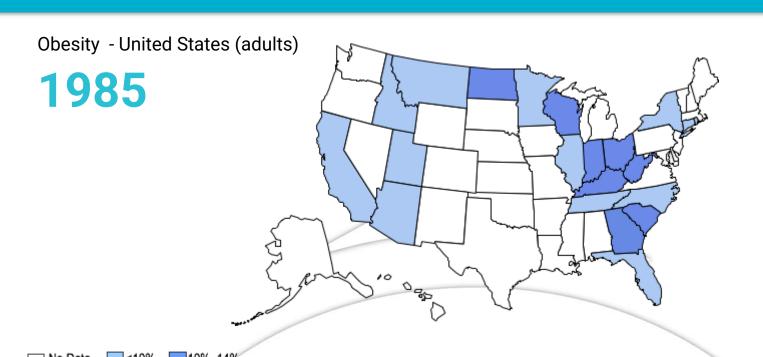
Anterior ischemic optic neuropathy (NAION)	80%
Hypertension (more than 3 treatments)	80%
Metabolic syndrome	80%
Bariatric pre-op	80%
Acromegaly	75%
Post-traumatic stress disorder	70%
Pre-op	70%
Pregnancy-induced hypertension, pre-eclampsia	70%
Polycystic ovary syndrome	70%
CVA (Cerebrovascular Accident) TIA (Transient Ischemic Attack)	70%



Predicting those at risk of obstructive sleep apnea (OSA)

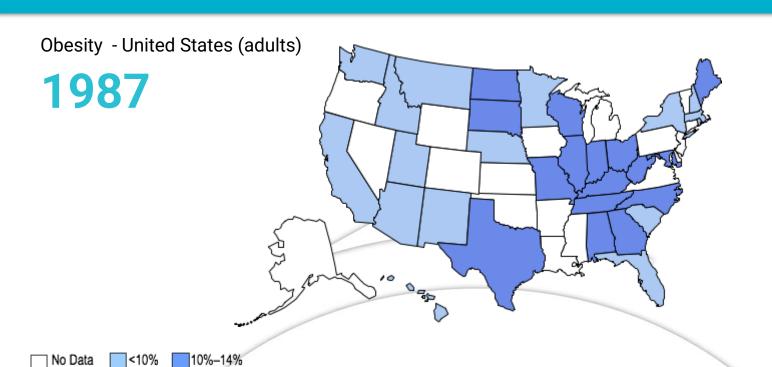
Atrial fibrillation (under 60 years) arrhythmia	50%
Depression or Asthma	50%
Obesity of any severity	40%
Trisomy 21 (Down syndrome)	40%
Primary care clinic	38%
Glaucoma (normotensive)	35%
Hypertension (under 60 years)	35%
Bipolar	25%
Schizophrenia	15%





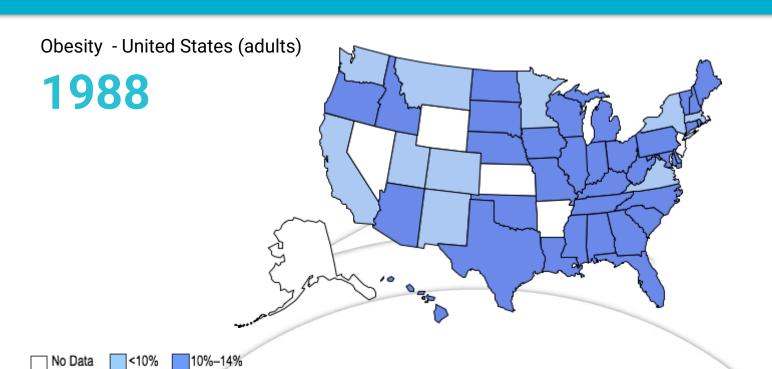






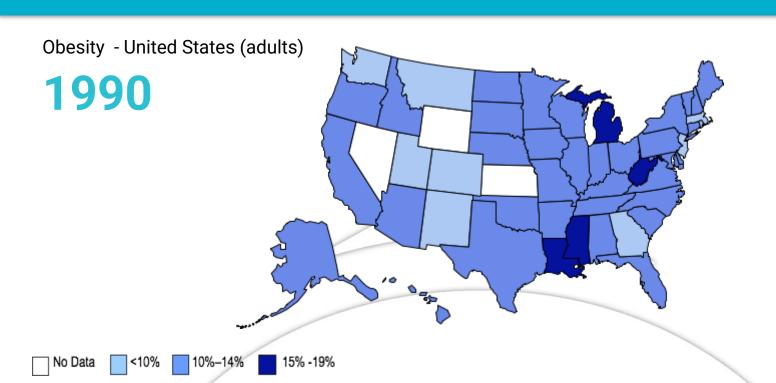






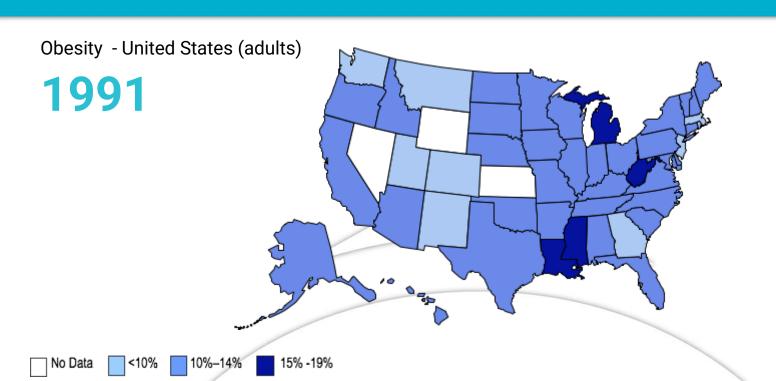






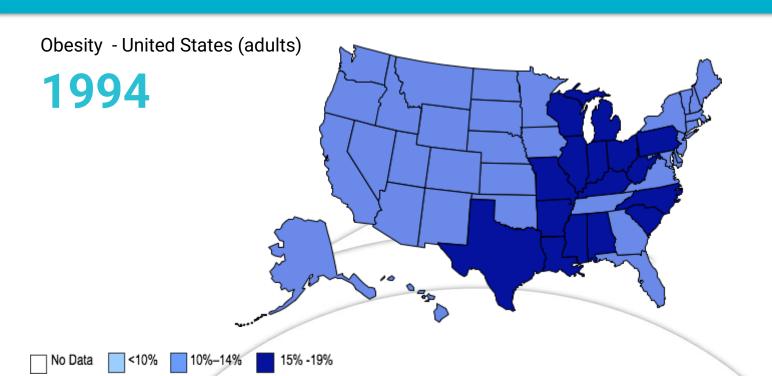






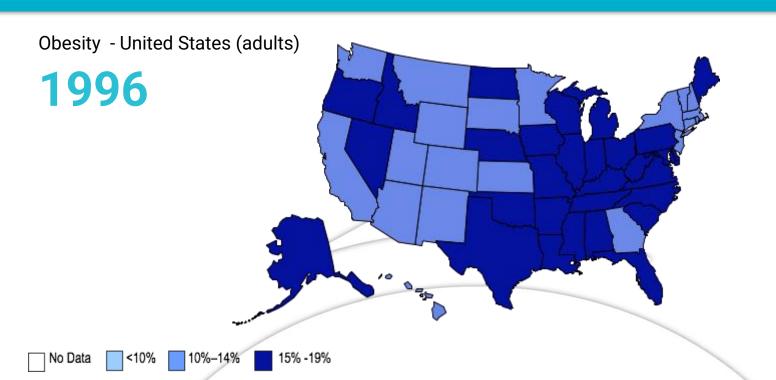






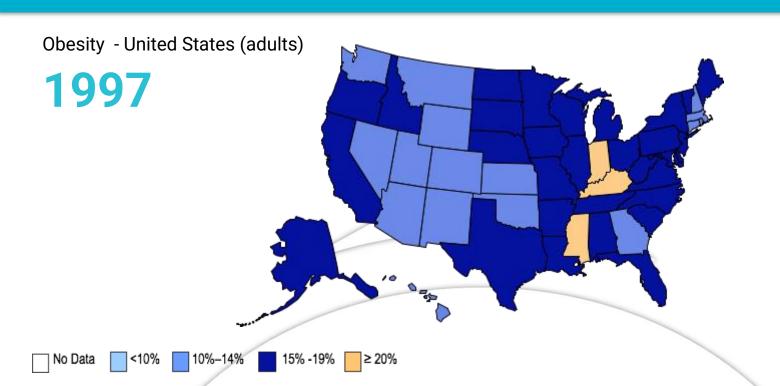






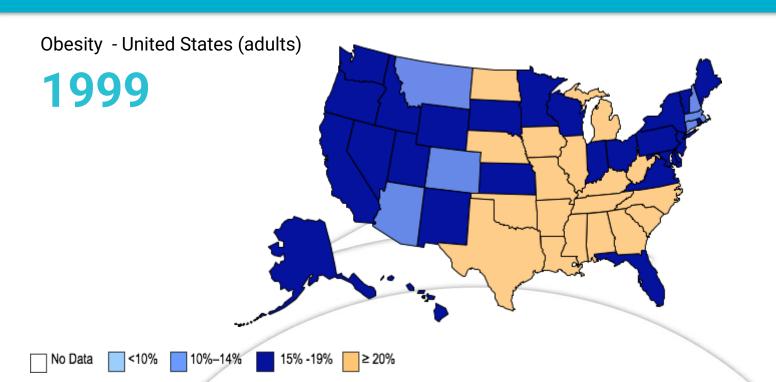






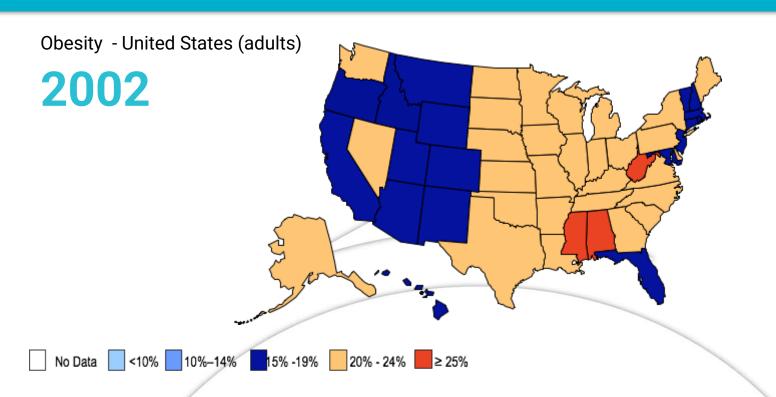






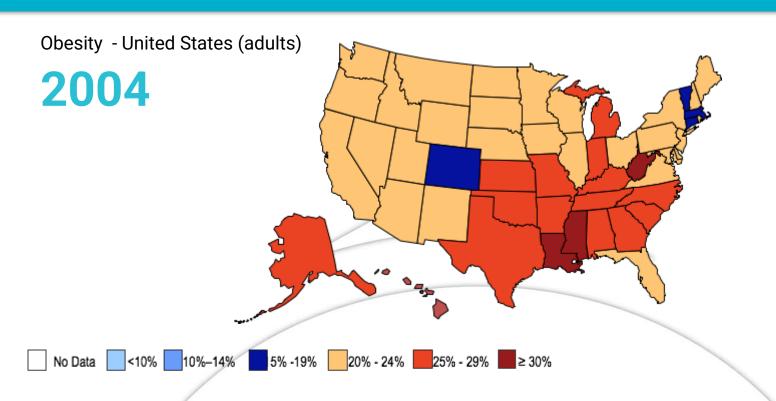






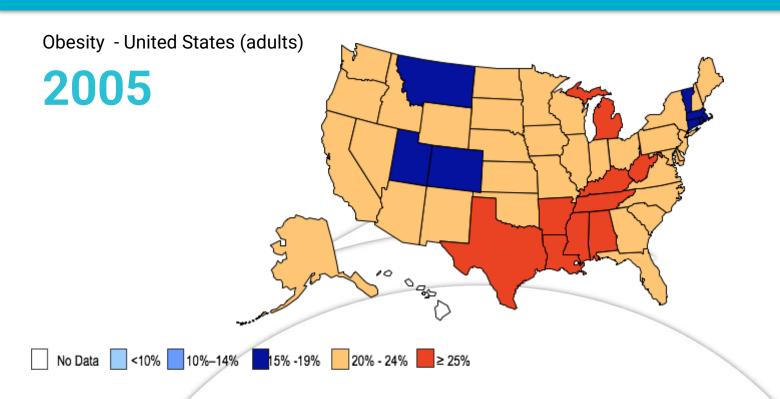






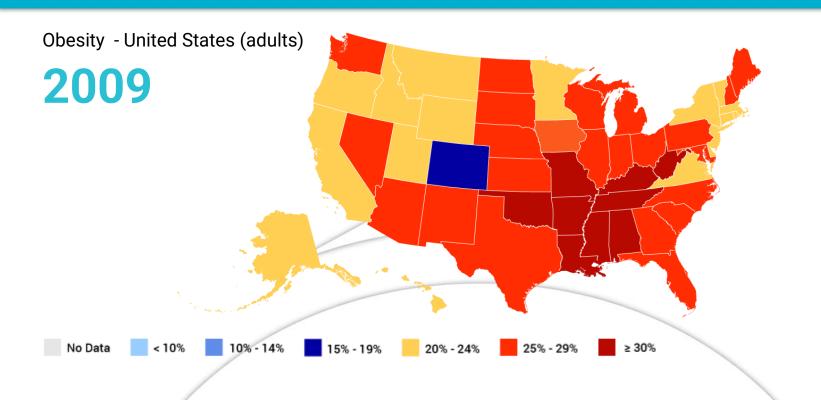






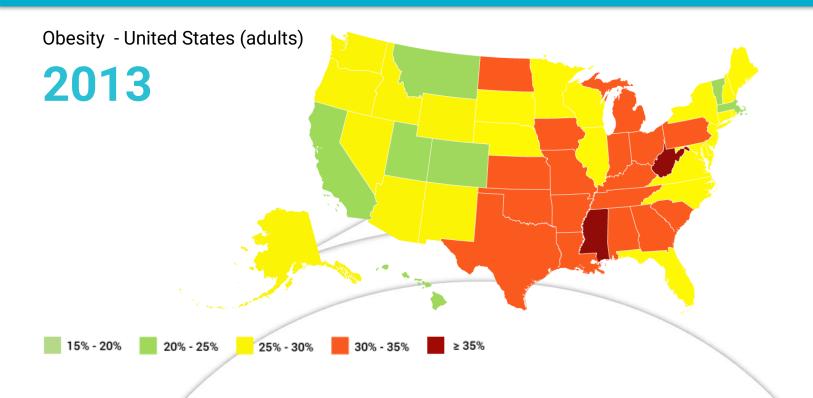






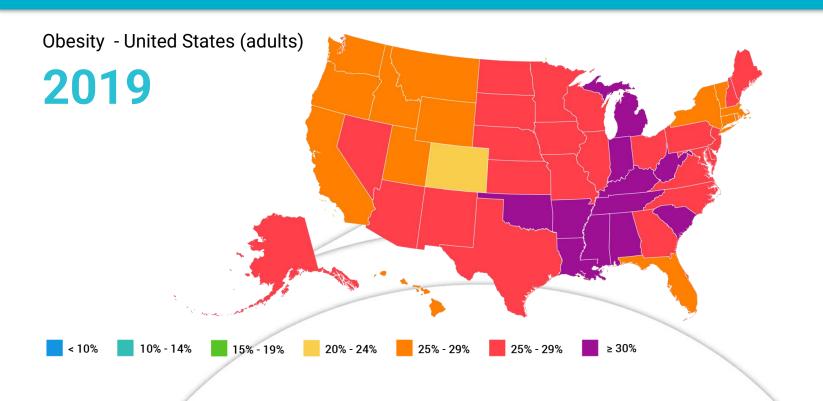






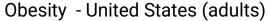




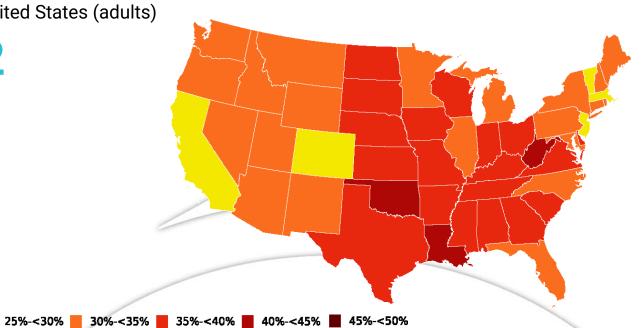






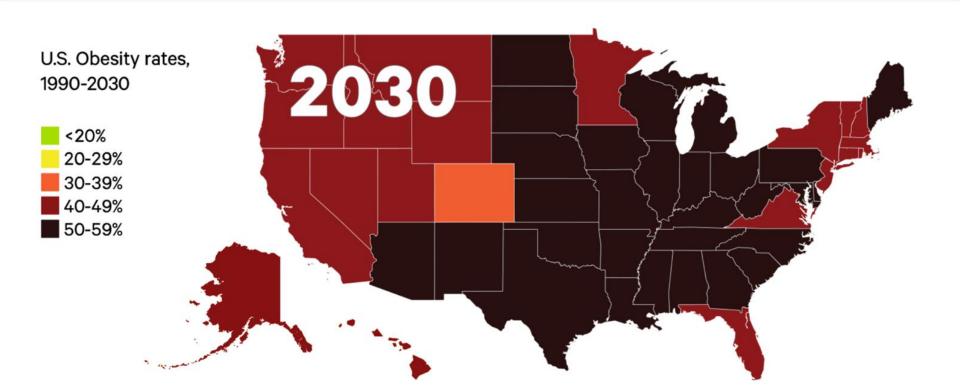


2022









Problems associated with sleep apnea: Hypertension

0

80% more chances to suffer from obstructive sleep apnea if taking 3 or more medications to treat hypertension

35% more chances if diagnosed with hypertension under 60 years old



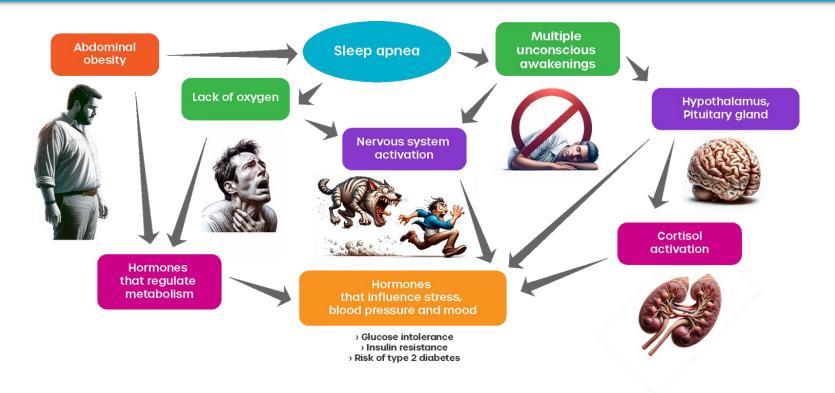
Complications associated with sleep apnea: Type 2 diabetes

- Almost half (48%) of people diagnosed with type
 2 diabetes have also been diagnosed with sleep apnea
- This risk increases in elderly people with type 2 diabetes reaching up to 58%
- Obesity is a significant aggravating factor: the prevalence of sleep apnea skyrockets to reach 86% among people with obesity and type 2 diabetes



The consequences of sleep apnea The inflammatory response





SCREENING AND TREATMENTS FOR SLEEP APNEA

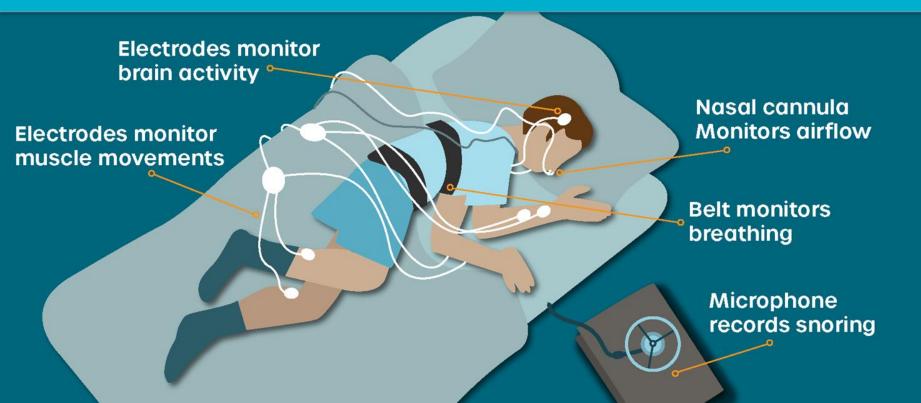
Monitor for at-home sleep apnea testing (level 3)





Monitor for polysomnography test in laboratory (PSG)





CPAP (Continuous Positive Airway Pressure)





CPAP Masks





Mandibular Advancement Device





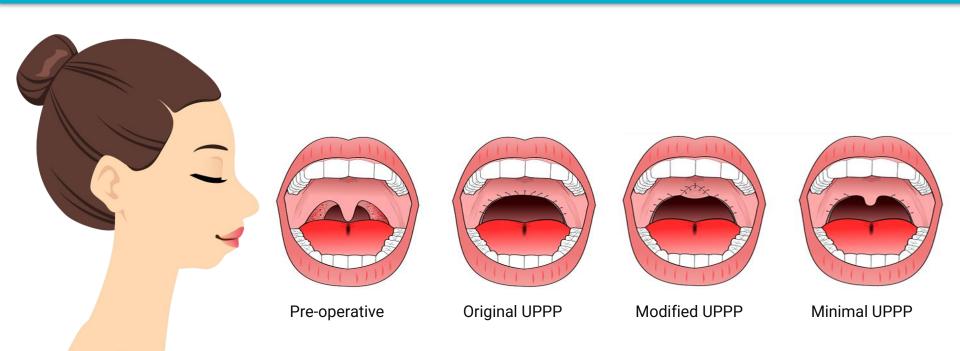
Allergy Control





Surgeries





Ref: www.sommeilsante.asso.fr

Questions?

Thank you and sweet dreams!