





John Carter, MD, Sleep Medicine Michael Weber, MD, Otolaryngology March 26, 2025

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### You or someone you know is likely to snore.

Can reach up to 90 decibels!



50%

of adults snore occasionally

\*More common in men than women\*



94%

of patients with sleep apnea report snoring

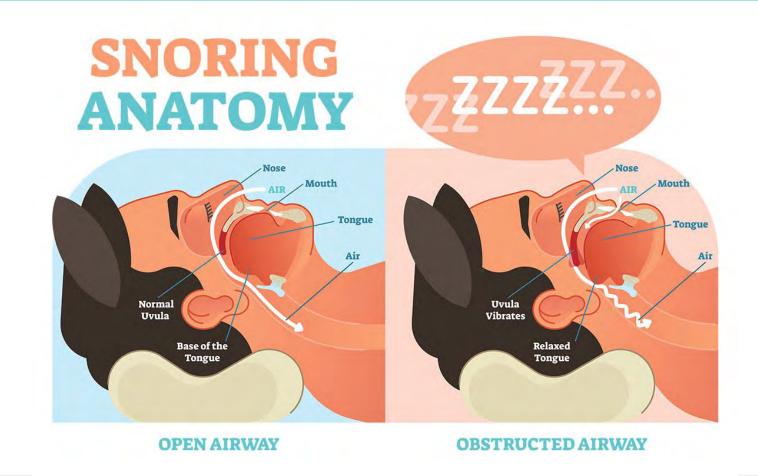
# What causes Snoring

### **How Snoring Happens:**

- Vibration of soft tissues in throat
- Muscles are more relaxed during sleep
- Sleep position can impact snoring

#### **Common Risk Factors Include:**

- Age
- Gender
- Obesity
- Nasal congestion
- Alcohol
- Smoking

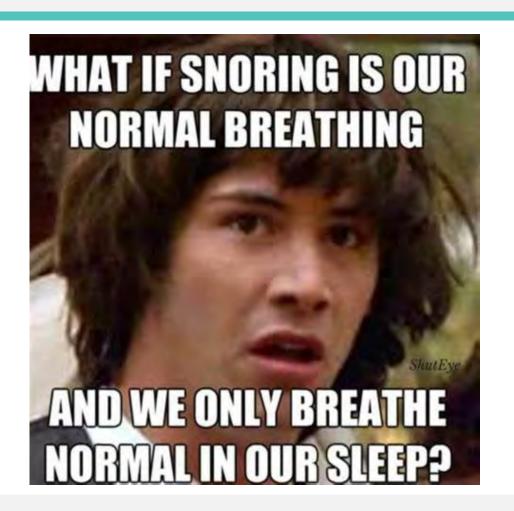


Myth: Snoring means I have sleep apnea.

**Fact:** Mild snoring might not be dangerous, but loud and chronic snoring, especially if it's interrupted by pauses in breathing, could be a sign of sleep apnea.

### When snoring is more than just a noisy night.

Spoiler Alert: Snoring can be a warning sign of sleep apnea.

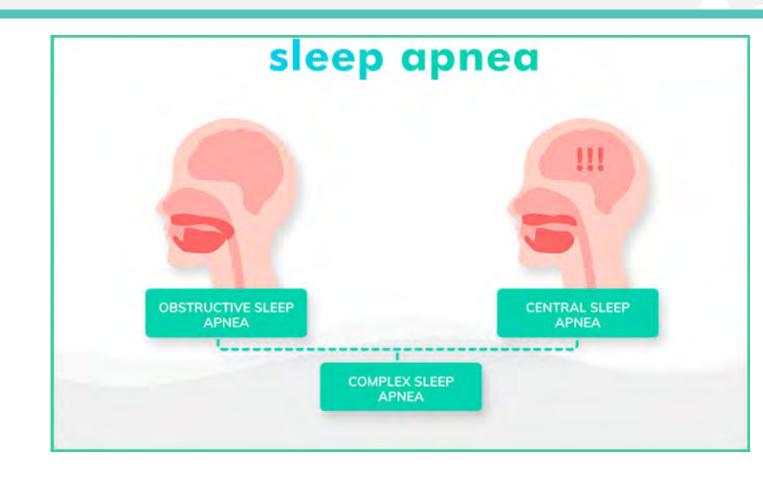


# What is Sleep Apnea?

A disorder where breathing repeatedly stops during sleep.

### Three main types

- Obstructive (OSA) the blocker
- Central (CSA) the silent partner
- Complex- the mashup



Myth: Only overweight people get sleep apnea.

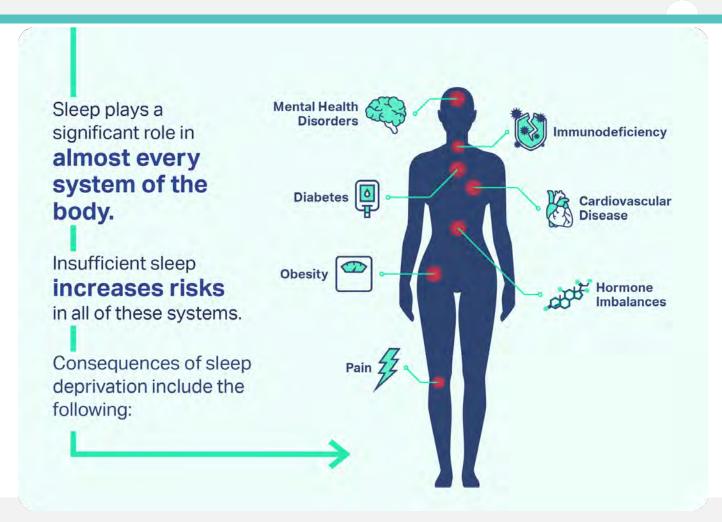
**Fact:** While obesity is a significant risk factor, sleep apnea can affect anyone, regardless of their weight. People with a normal weight, athletes, and children can also develop sleep apnea.

# Common symptoms of Sleep Apnea

### **Common Signs and Symptoms:**

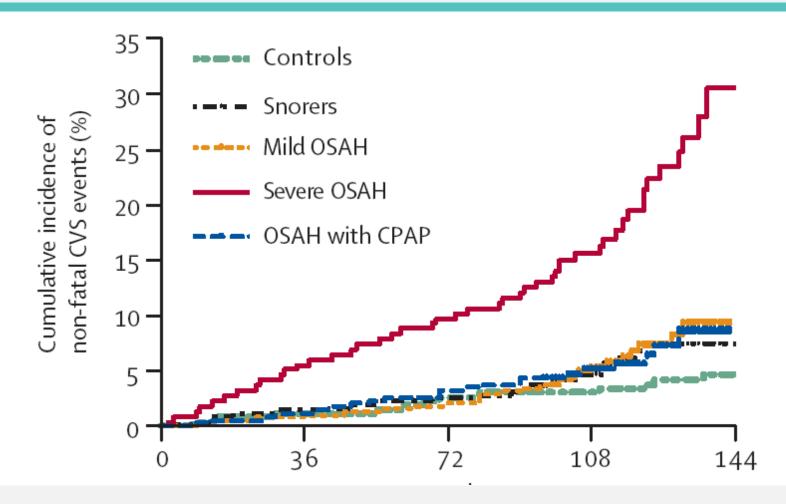
- Loud, Persistent Snoring
- Gasping or Choking in Sleep
- Excessive Daytime Sleepiness (Like falling asleep at work...oops)
- Morning Headaches
- Dry Mouth or Sore Throat
- Difficulty Concentrating





### Health Consequences of

### Sleep Apnea

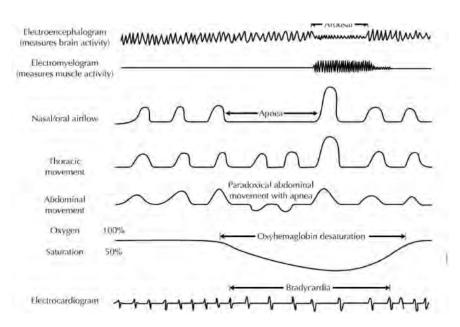


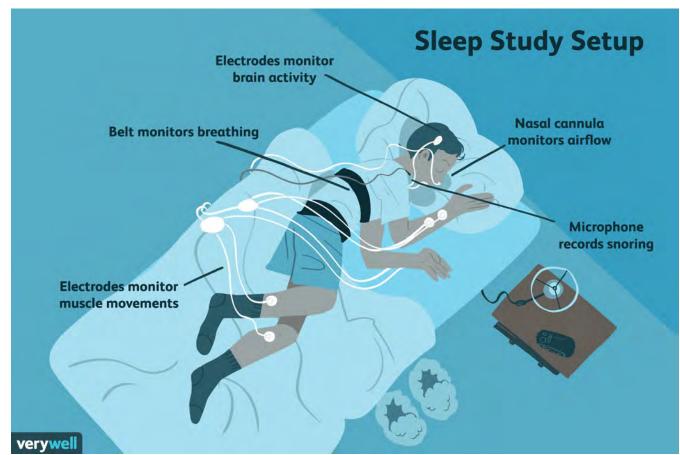
From a study by Marin et al., Lancet 2005

# Diagnosing Sleep Apnea

### Sleep studies

- Polysomnogram
- Home sleep study





# **Treating** Sleep Apnea

### 1. CPAP machine (mask)

Air pressure delivered through a mask helps keep your airways open while you sleep

#### 2. Lifestyle

Weight loss (diet, medication, surgery), sleep position, avoid alcohol

#### 3. Oral appliance

Mouthguard that pushes the jaw forward

### 3. Surgery

For some, surgery to remove tissue or correct a blocked airway



**Myth:** CPAP machines are uncomfortable and hard to use.

**Fact:** While some people find CPAP machines uncomfortable at first, they are one of the most effective treatments for sleep apnea. There are different types of CPAP masks and machines available, and doctors can help adjust settings to make it more comfortable.

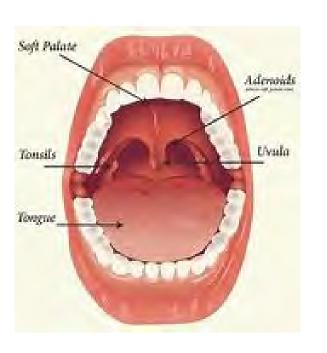
## Positive Airway Pressure (PAP)

#### **HOW IT STARTED**



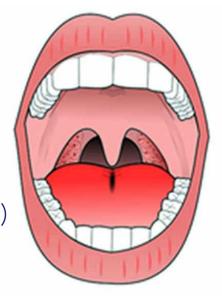


### **Surgery for OSA**



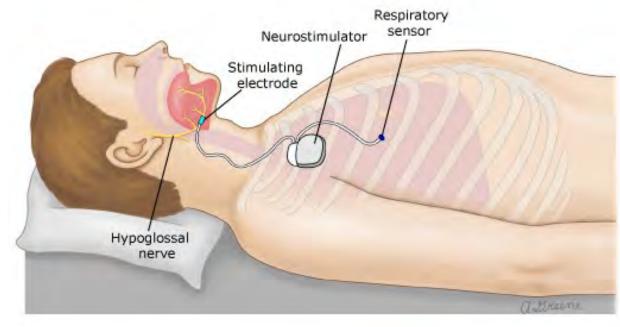
### **Common surgical options**

- Tonsillectomy
- Uvulopalatopharyngoplasty
- Inspire (hypoglossal nerve implant)





# Inspire





- Safe, outpatient procedure
- 2 small incisions (neck and chest)
- Fast recovery time, OTC pain meds
- Implant is activated one month after surgery
- 10-12 year battery life
- Fine-tuned with a sleep study

### **Effect of Stimulation**

No Stimulation



Tongue Base

**Palate** 





Mild Stimulation



Tongue Base

Palate





Courtesy of Inspire Medical Systems

### Tips you can do right NOW

### Pro Tips for Sleeping like a Baby

- Sleep on your side, not your back!
- Avoid alcohol before bed—it's like an after-party for your airway
- Keep a consistent sleep schedule (yes, even on weekends).

### Don't Sleep on it – Treat it!

• Talk to a doctor, get diagnosed, and start treatment to improve your health and sleep

### MetroHealth is here to help.

#### Sleep study locations

Sleep testing can be done at our 3 sleep lab locations or in the comfort of your own home

#### Sleep clinic

MetroHealth has sleep clinics at 10 locations across the community

### MetroHealth is here to help.

#### In-lab sleep test



#### At-home sleep test



### MetroHealth is here to help.

### MetroHealth Center for Sleep Medicine

216-778-5864



Metrohealth.org/sleep

### Your Questions:

How do I know if I snore?

Does sleep apnea ever go away?

Does insurance cover treatment for sleep apnea?





#### **ABOUT METROHEALTH**

Founded in 1837, MetroHealth is leading the way to a healthier you and a healthier community through service, teaching, discovery and teamwork. Cuyahoga County's public, safety-net hospital system, MetroHealth meets people where they are, providing care through five hospitals, four emergency departments and more than 20 health centers. Each day, our nearly 9,000 employees focus on providing our community with equitable healthcare—through patient-focused research, access to care and support services—that seeks to eradicate health disparities rooted in systematic barriers. For more information, visit metrohealth.org.

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