Sleep apnea and related diseases

















Symptoms of sleep apnea

- Excessive daytime sleepiness¹
- Loud, disruptive snoring¹
- Irregular breathing (gasping, long pauses) during sleep¹
- Poor concentration and forgetfullness
- Depression or irritability¹
- Morning headaches¹
- Waking frequently to urinate¹
- Dry mouth or sore throat upon awakening¹



The combination of sleep apnea and other serious diseases can lead to comorbidity

Comorbidity is the condition of having two or more diseases in the body at the same time or back to back. The diseases often last a long time and may be difficult to treat.

The health risks of having comorbidity may include:

- Decline in health3
- More frequent doctor visits³
- Increased healthcare costs³



Untreated sleep apnea may increase the risk of comorbid conditions

Here are some of the more common comorbid conditions suffered by those with sleep apnea:

High blood pressure

Sleep apnea is increasingly being recognized as playing a part in the development of high blood pressure while sleeping and awake.⁴ High blood pressure is linked to significantly increased risks of stroke and heart attack.

43% of patients with mild sleep apnea and 69% of patients with severe sleep apnea have hypertension.⁵

Obesity

Obesity, carrying an abnormal or excessive amount of body fat, increases the likelihood of having sleep apnea and its effect. Some studies show that sleep apnea may itself cause weight gain. 6.78

60% of adults in industrialized countries are estimated to be overweight, with at least 30% obese.^{6,9}

Type 2 diabetes

Sleep apnea has been shown to have an effect on glucose metabolism in people without diabetes. Sleep apnea is a highly prevalent comorbidity in people who have type 2 diabetes.¹⁰

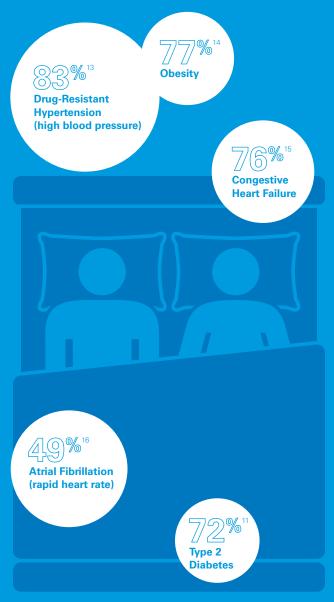
Approximately 72% of type 2 diabetes patients have sleep apnea.¹¹

Heart failure

Heart failure is when the heart is not pumping at full efficiency and, as a result, the body doesn't receive enough circulating oxygen. Sleep apnea also deprives the body of oxygen.

Up to 73% of patients with stable heart failure also have sleep disordered breathing (SDB).¹²

The likelihood that sleep apnea is found in people who have the following diseases is:



Learn more about the relationship between these diseases and sleep apnea at ResMed.com/Relatedconditions.



CPAP is the most effective and widely accepted treatment for sleep apnea

Continuous positive airway pressure (CPAP) involves using a bedside machine that non-invasively delivers pressurized air through a mask, keeping your upper airway splinted open and helping prevent sleep apneas.*

Continued CPAP use has been shown to:

- Allow users to get a better night's sleep
- Reduce the symptoms associated with sleep apnea
- Allow users to take back control of their lives

What you can do about sleep apnea

If you have or know someone who has sleep apnea, talk to a physician about getting tested.

ResMed Air Solutions gives you the tools to stay engaged

- A full range of CPAP machines
- Lightweight, cutting-edge masks
- myAir[™] online support program and app*
 - -Tracks your therapy
 - -Tells you how you slept
 - Sends tailored tips via email and text
 - Includes a library of support videos



Patient identity and corresponding data used are fictional.

Distributed by ResMed Corp, 9001 Spectrum Center Boulevard, San Diego, CA 92123 USA +1 858 836 5000 or 1 800 424 0737 (toll free). See ResMed.com for other ResMed locations worldwide. myAir is a trademark and/or registered trademark of the ResMed family of companies. Specifications may change without notice. © 2017 ResMed. 1019757/1 2017-03

^{*}Available with some ResMed devices.

¹ National Heart, Lung, and Blood Institute. What are the Signs and Symptoms of Sleep Apnea? 2012 2 Peppard et al. Increased prevalence of sleep disordered breathing in adults. Am J Epidemiol 2013 3 Valderas JM et al. Ann Fam Med 2009 4 Phillips C and O'Driscoll D. Nat Sci Sleep 2013 5 Young et al. Sleep 2008 6 Romero-Corral A et al. Chest 2010 7 Phillips BG et al. J Hypertens 1999 8 Phillips BG et al. Am J Physiol Heart Circ Physiol 2000 9 Ogden CL et al. JAMA 2006 10 Aronsohn RS et al. Am J Respir Crit Care Med 2010 11 Einhorn D et al. Endocr Pract 2007 12 Ferreira S, et al. BMC Pulm Med 2010 13 Logan et al. J Hypertens 2001 14 O'Keeffe & Patterson. Obes Surg 2004 15 Oldenburg et al. Eur J Heart Fail 2007 16 Gami et al. Circulation 2004