



APPYEA Inc. (OTC: APYP)



Better Sleep, Better Health, Better Life.

www.appyea.com



About Us



AppYea is a Health Tech company, focused on the development of several solutions for Sleep Disorders. Improving quality of life, Preventing health deterioration and prolonging life expectancy

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The Problem



90M

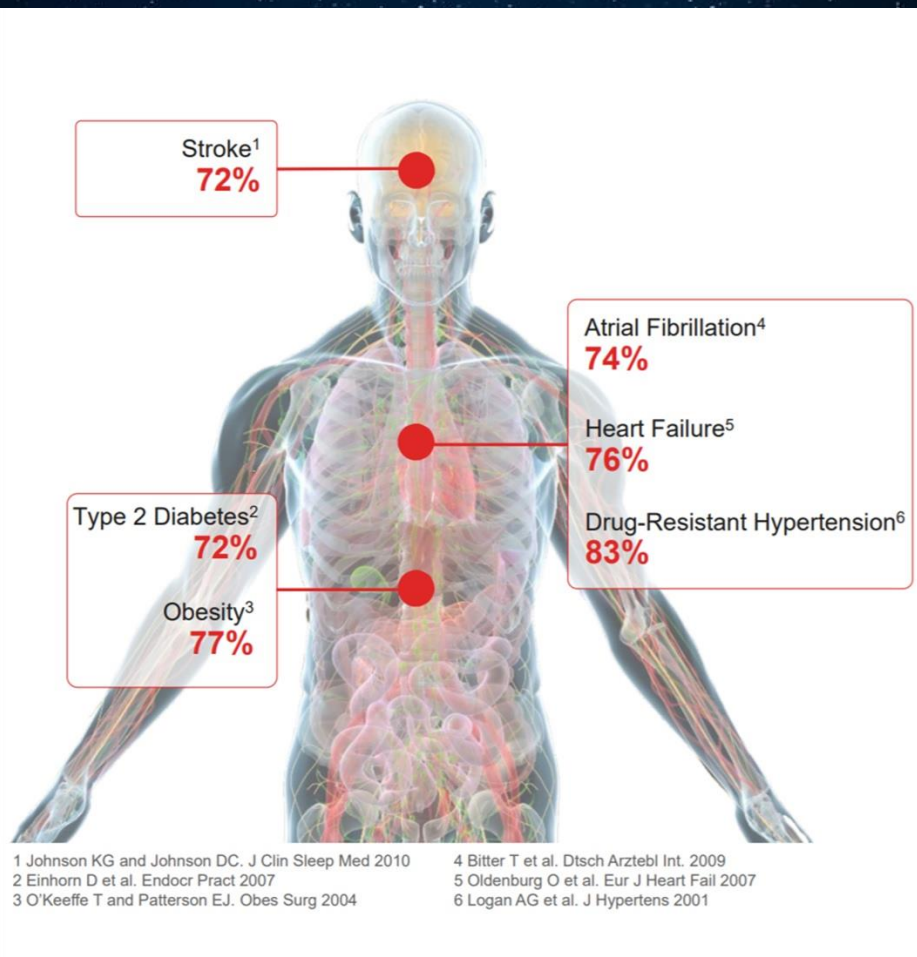
49.7% of man and 23.4% of women aged 30-60, approximately 90M people in the US snore.

50%

50% of people who snore loudly have Obstructive Sleep Apnea (OSA).

80%

80% of people who have Obstructive Sleep Apnea (OSA) are undiagnosed.



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The Solution



- **Diagnosis** of sleep disorders – Snoring and Obstructive Sleep Apnea.
- **Treatment** via Bio-Feedback – AI reducing and preventing disorders.
- **Alert** deterioration in the patient's health – Big Data forecasts probability for life threatening events.

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The Products



DreamIT – Biofeedback snoring treatment wristband, combined with the SleepX App.

The unique algorithms of SleepX, combined with the wristband sensors, monitor physiological parameters during sleep, and when necessary, the wrist band vibrates according to real time reactions of the user, in order to decrease and cease snoring events.

Product's development stage ended and is in testing and calibration stage in preparation for serial manufacturing.

* The product is not considered a medical device.



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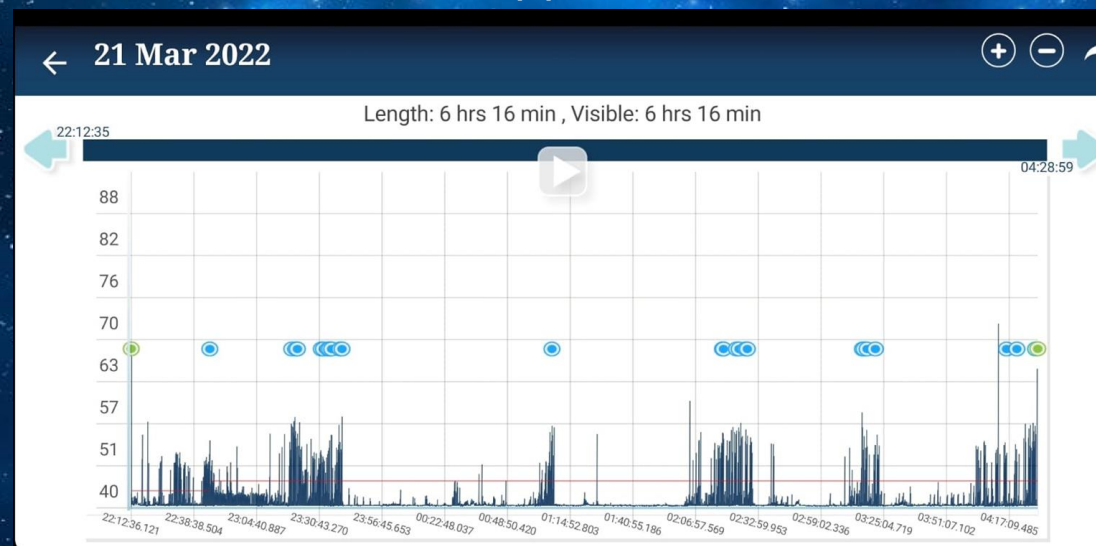
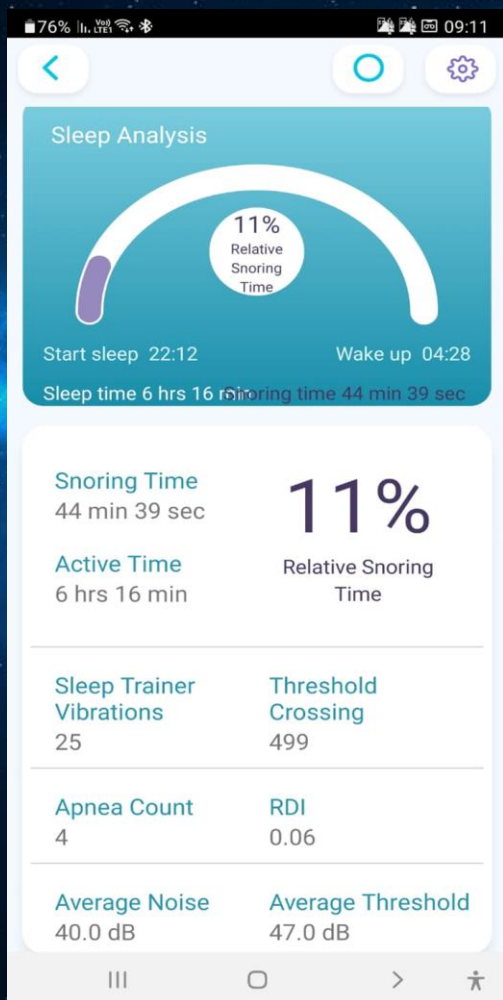


The Products



SleepX PRO – Smartphone Medical Application, with a unique algorithm, for identification of Sleep Apnea, without direct contact with the patient.

Product development completed and waiting for Helsinki committee approval to initiate clinical trials in a hospital for final calibration and filing for FDA approval.



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The Products



DreamIT PRO – wristband for the treatment of Sleep Apnea using biofeedback in combination with SleepX PRO app. Differentiated from the mechanism of DreamIT by the algorithms necessary to treat Sleep Apnea disorder.

The product is in advanced development stage after which it would start the testing stage in preparation for filing for FDA approval.

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Patent portfolio



- High-sensitivity Sensors for Sensing Various Physiological Phenomena, particularly useful in Anti-snoring Apparatus and Methods. Patent number US 7,866,212 B2, issued on January 11, 2011.
- Apparatus for use in controlling snoring and sensor unit particularly useful therein. Patent number US 7,716,988 B2, issued on May 18, 2010.
- Apparatus and method for diagnosing sleep quality, patent number US 2015/0119741 A1, issued on April 30, 2015.
- Estimation of sleep quality parameters from whole night audio analysis, patent number US 2020/1193423 A1, issued on March 26, 2020.

Apparatus and method for diagnosing obstructive sleep apnea:

- USA patent number - US 9,844,336 B2, issued on December 19, 2017.
- European patent number - EP2608717 A4, issued on May 11, 2016.
- Israeli patent number - IL224852A
- Systems and methods for snoring detection and prevention patent number WO2021214735A1 WIPO (PCT)





Market size



According to the market intelligence company Fior Markets, the Global Anti-Snoring Treatment Market is expected to grow from USD 4.3 billion in 2020 to USD 8.6 billion by 2028, at a 9.07% CAGR during 2021-2028.



The global sleep apnea devices market size was valued at USD 3.7 billion in 2020 and is expected to expand at a 6.2% CAGR from 2021 to 2028, reaching USD 6.1 billion by 2028, according to a new report by Grand View Research, Inc.



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Competition



Product	Function	Effectiveness	Side Effects	Compliance	Price (\$US)
CPAP	Applies pressured air through the mask inside the throat	High	Movement of the jaw. Noise and disturbance to partner	~ 20%	600 - 3,000
Dental Appliance	Keeps tongue retained	N/A	Damages and brings to a permanent change in the jaw, teeth and mouth position; saliva buildup and nausea	N/A	50 – 2,000
Surgery	Removes tonsil adenoids to excess tissue or reconstructs the jaw to enlarge the upper airway	Up to 36 months	Possible complications, infection and pain	N/A	1,500 – 3,500
Nasal Valve Dilators	Decrease nasal resistance	Low	N/A	Low	5
Snoring Fix	The device fix the jaw during sleep	Low	None	Low (5% estimation)	25

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Competition



CPAP major market players



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Why SleepX products are better



Diagnosis – SleepX PRO shall provide an FDA approved diagnosis report which shall replace current sleep labs or home kits at a 10% of the cost to the patient.

Snoring – DreamIT is a comfortable solution, nonintrusive, affordable and intuitive, more than all current snoring market solutions.

Sleep Apnea – DreamIT PRO is a non cumbersome, easily adaptive, without side effects, and substantially cheaper than CPAP.



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The Team



Bary Molchadsky, MBA
Chairman



Asaf Porat, MBA
CFO and Board member



Neil Kline, Entrepreneur, Physician
Board member
Founder and former CEO of
the [American Sleep Association \(ASA\)](#)



Prof. Amir B. Geva, CSO
World-renowned expert in the
field of AI and machine
learning
[More info](#)

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Advisors



Ron Mekler, CPA, MBA
co-Founder
CFO Clalit Health Services Southern



Prof. Asher Tal, MD.
Founder of Sleep laboratory at Soroka
Medical Center, Ben – Gurion University



Dr. Dov Melamed, PHD.
Co-Founder of Periness LTD and Oshadi LTD, Non-
Executive Director of XTL Biopharmaceuticals and
former president of SciVac.

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Thank you!

Asaf Porat, CFO

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News on Yahoo Finance



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SleepX applies to the Helsinki Committee for approval on its clinical trial with the SleepX PRO smartphone application

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Biomedical AI entrepreneur Prof. Amir Geva appointed CSO of SleepX

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AppYea completes acquisition of SleepX, entering a \$6-9 billion sleep treatments market: expects to begin marketing during 2H2022

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AppYea takes steps for Future Growth

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Israeli SleepX to be merged into AppYea Inc. (APYP)

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