

## **Korean firm LifeSemantics unveils digital therapeutics for patients requiring pulmonary rehabilitation**

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### **Redpill Breath helps patients with self-rehabilitation of their respiratory functions**

South Korea-based LifeSemantics has launched Redpill Breath, a digital therapeutics (DTx) for patients requiring pulmonary rehabilitation such as chronic obstructive pulmonary disease (COPD).

The company expects to spread the benefits of Redpill Breath to various countries, understand the latest global trends in DTx technologies, and gauge global demand for the solution.

The number of COPD patients in Korea is estimated to be more than 3 million. However, only around 2,00,000 of them receive medical assistance for the disease, half of whom or more are treated at tertiary care hospitals in Seoul. In the country, pulmonary rehabilitation is primarily provided by tertiary care hospitals because of the cost, place, and medical staff needed for the treatment. The situation is not vastly different in the United States.

Redpill Breath is a digital therapeutics (DTx) that helps patients with self-rehabilitation of their respiratory functions. LifeSemantics developed the solution to address the lack of pulmonary rehabilitation infrastructure and improve its accessibility for patients. The solution offers various features and systems to help patients perform pulmonary rehabilitation activities in the comfort and safety of their homes.

Redpill Breath monitors the patient's oxygen saturation and walking performance to check the patient's motor performance in real-time, alerts the user with an alarm/text message in case of an emergency or lack of exercise during rehabilitation, adjusts the patient's exercise level depending on his/her physical conditions using a metronome, and transmits patient data to the medical staff in real-time.

