strados
making every breath count

RESP™ Biosensor

Measure Lung Health from Hospital to Home

FDA-CLEARED

Continuous capture of cough, wheeze, and shortness of breath*

Strados Labs' RESP™ Biosensor offers clinicians an effective, new approach to respiratory disease surveillance and management supported by machine learning. By continuously capturing patient lung sounds, similar to a stethoscope, the *RESP* Biosensor allows care teams to seamlessly monitor pulmonary status in every day life, enabling more timely interventions to prevent unnecessary hospitalizations.
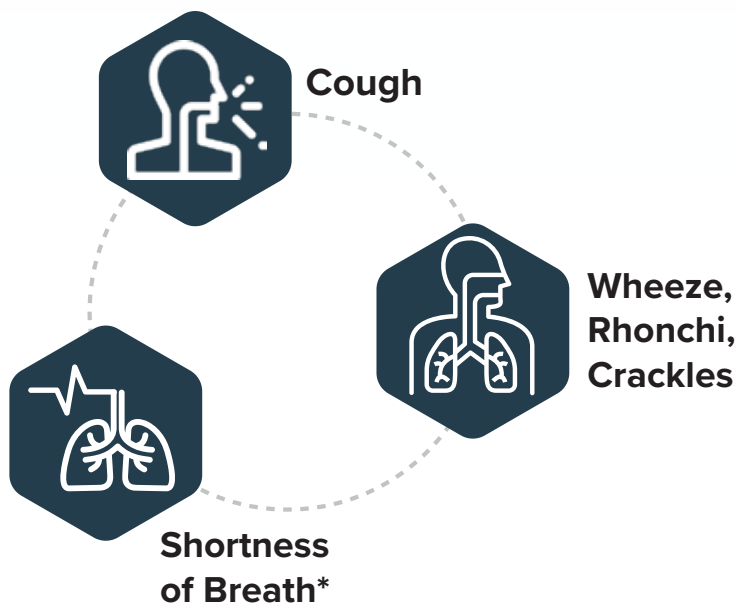
The Problem

43%
90-day readmission rate for COPD[1]

1.3M
ER visits due to Asthma each year[2]

### 3rd
leading cause of death worldside is COPD[3]

What We Capture
Clinical-quality measurement of symptoms associated with exacerbations

Cough

Wheeze, Rhonchi, Crackles

Shortness of Breath*

Clinical Intelligence, Reporting & Alerts
Proprietary Cough & WheezeCheck™ machine learning* provide automation in tracking and trending abnormal events

Crackles | Cough | Wheeze

9 AM 10 AM 11 AM 12 PM 1 PM 2 PM 3 PM 4 PM
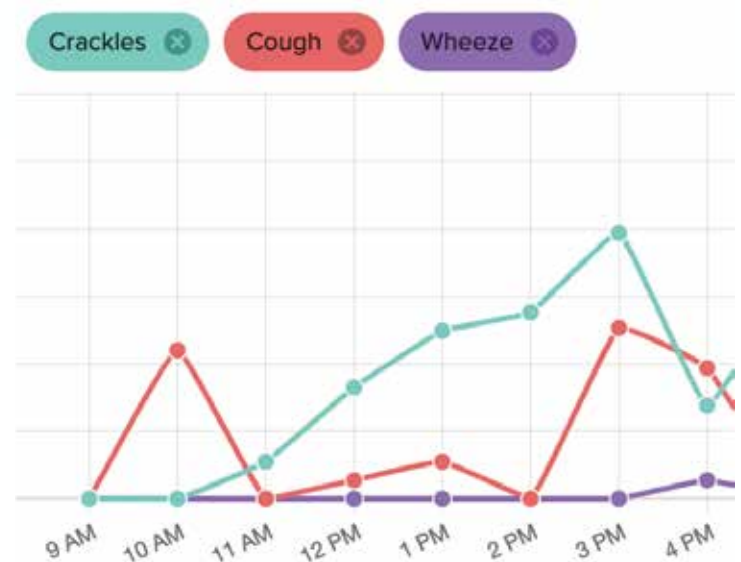
*Shortness of breath via respiratory rate and machine learning not FDA-cleared

Ambulatory Care

- At-risk COPD & Asthma patients
- Interstitial lung diseases
- Heart failure

Acute Care

- In-patient status monitoring
- Chronic, complex care management
- Hospital at Home

Post-Acute Care

- Post-discharge hospital to home
- Post-surgical recovery and rehabilitation
- Skilled-nursing and long-term care facilites

Clinically validated with 10+ abstracts featured by leading respiratory societies

Learn more at stradoslabs.com/clinical-evidence

Why *RESP* Biosensor for disease management?

- Cough, wheeze, and shortness of breath are early warning signs of exacerbations[4]
- More objective than patient self-reporting and personalized than automated medication reminders
- Assess lung health in patients who live far from the hospital or clinic (e.g. rural settings)
- Measure effectiveness of care plan with objective, time-stamped symptom monitoring
- Patient and clinician-friendly, helping patients feel more secure while improving provider efficiency

Features

- ✓ Passive
- ✓ Non-invasive & discreet
- ✓ Lightweight
- ✓ 24+ hour battery life
- ✓ Patient-privacy centered
- ✓ EHR/Telehealth Integration
- ✓ Reimbursable
- ✓ Night-time monitoring

HIPAA COMPLIANT

CE

EU GDPR COMPLIANT

Founded by an Asthma patient, we are committed to filling a missing gap between patients and providers, enabling objective and more complete understanding of respiratory status anytime, anywhere.

Let's make every breath count.
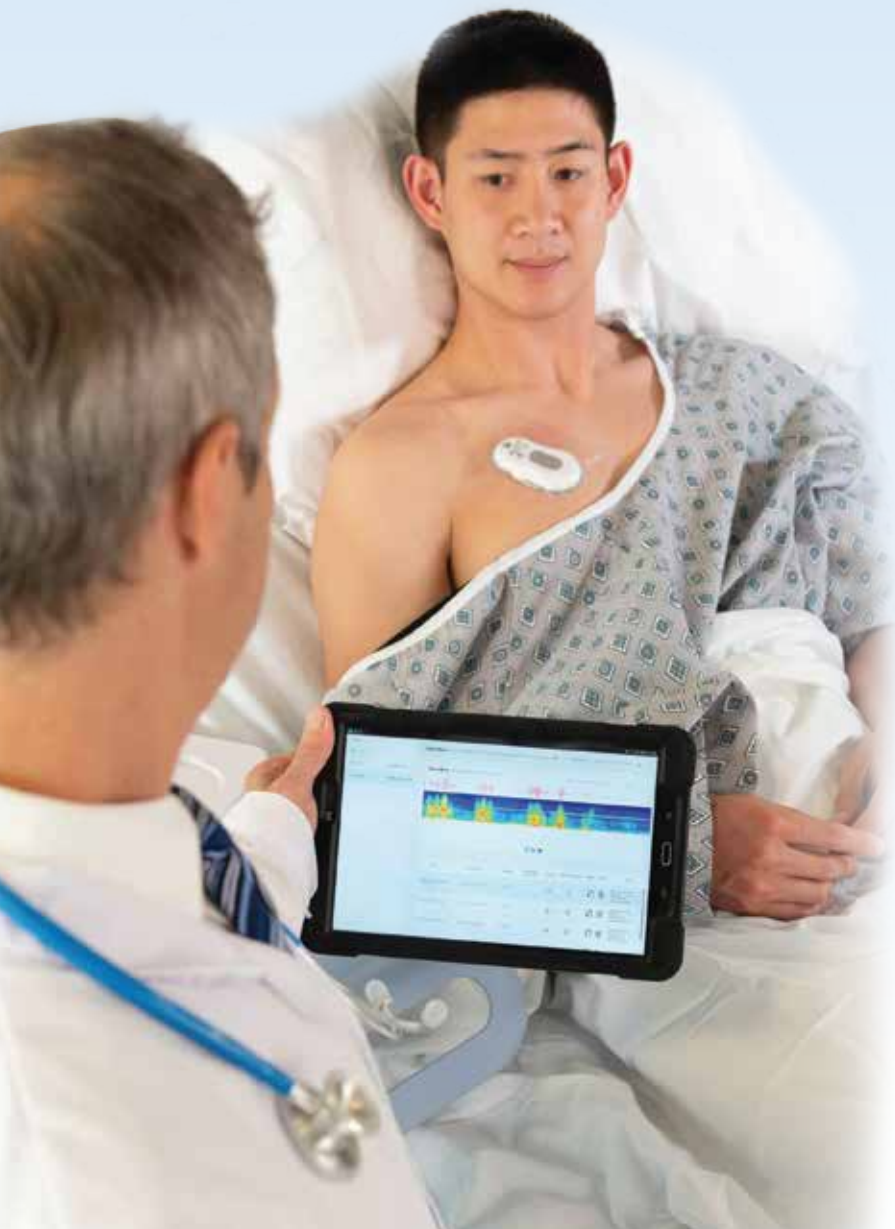
To request a demo, contact:
sales@stradoslabs.com

1. Predicting and preventing hospital readmission for exacerbations of COPD, Chia Wei Kong, Tom M.A. Wilkinson, ERJ Open Research 2020

2. CDC National Asthma Data: https://www.cdc.gov/asthma/most_recent_national_asthma_data.htm

3. World Health Organization Data: https://www.who.int/news-room/fact-sheets/detail/chronic-obstructive-pulmonary-disease-(copd)

4. American Lung Association COPD Early Warning Signs: https://www.lung.org/lung-health-diseases/lung-disease-lookup/copd/symptoms-diagnosis/early-warning-signs

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