



HYFE Inc. is an acoustic AI/ML start-up that uses sound to improve health care, initially focused on cough.

Management Team

Joe Brew, PhD - CEO
Peter M Small, MD - Chief Medical Officer*
Carlos Chaccour, MD PhD - Chief Science Officer

*Attending RIS

Scientific Advisory Board



P. Anandan
AI Pioneer

- Ex-CEO of Wadhvani Institute for AI
- Former vice president at Adobe Systems
- Founder of Microsoft Research, India
- Founder Interactive Visual Media Group.
- Professor, Yale University



Charles L. Daley, MD
Infectious Cough

- Chief of Division, Mycobacterial & Respiratory Infections, National Jewish
- Clinical, epidemiological studies, chronic lung infections
- Special interest new diagnostic tests, drugs, treatment regimens



Prof. Fan Chung
Chronic Cough

- Professor of Respiratory Medicine
- Head of Experimental Studies, National Heart & Lung Institute,
- Consultant Physician, Royal Brompton & Harefield NHS Trust



Julian Atim, MD, MPH, MBA
Health Care Innovation

- Equitable delivery of innovative care
- Experience spanning clinical care, health quality improvement, innovation
- Worked with governments, academia, nonprofits and corporations
- MD from Makerere, MPH from Harvard and MBA from Isenberg School

Academic Partners

University of California San Francisco (UCSF)
Imperial College London
National Jewish Health System
University of Navarra
Oregon Health & Science University (OHSU)
University of Montreal, CHUM
University of Montana
University of Ulsan College of Medicine Korea
Johns Hopkins University
Fudan University
University of Florida
University of Minnesota
University of Geneva
Boston Children's Hospital
Brown University



hyfeapp.ai



[@HyfeApp](https://twitter.com/HyfeApp)

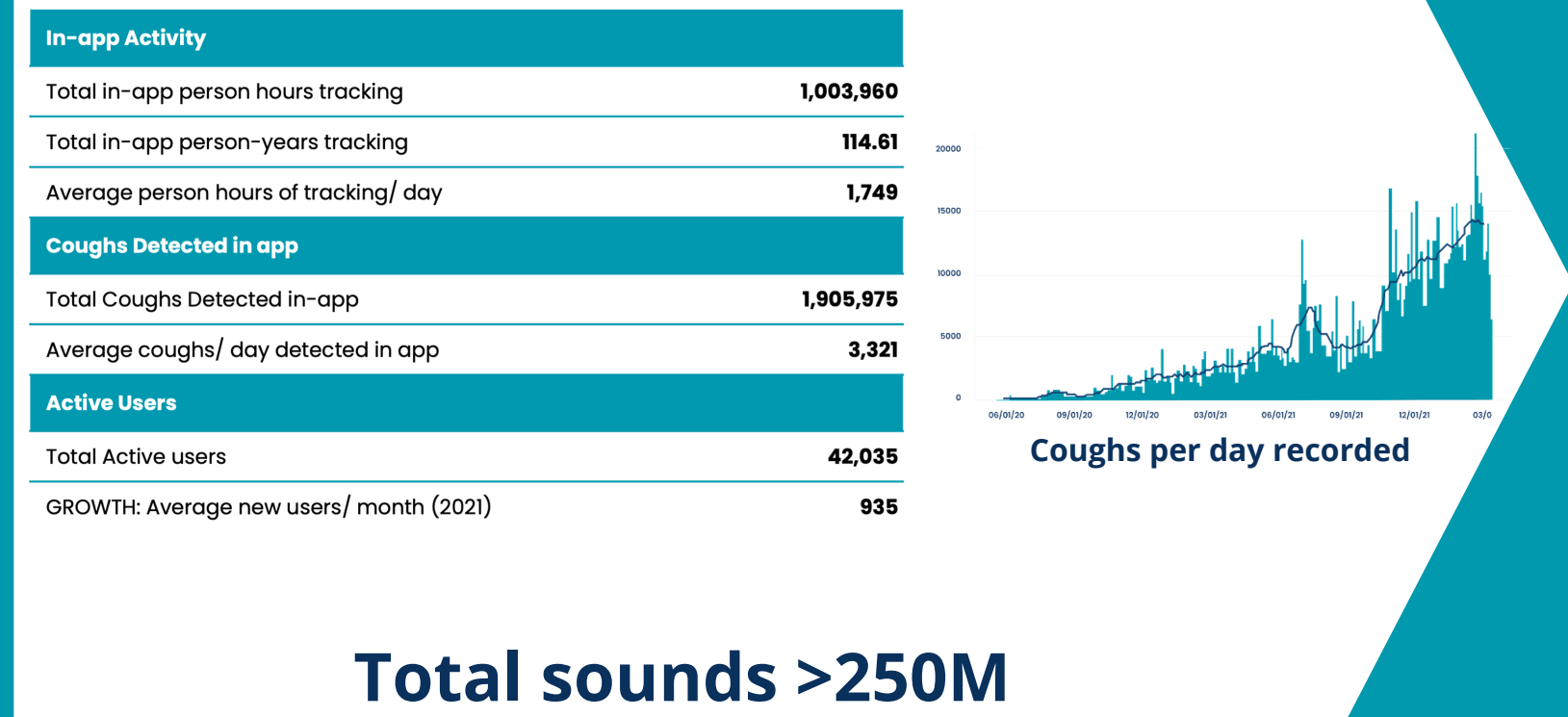


peter@hyfe.ai

Hyfe Cough Monitoring System: Making Cough Count

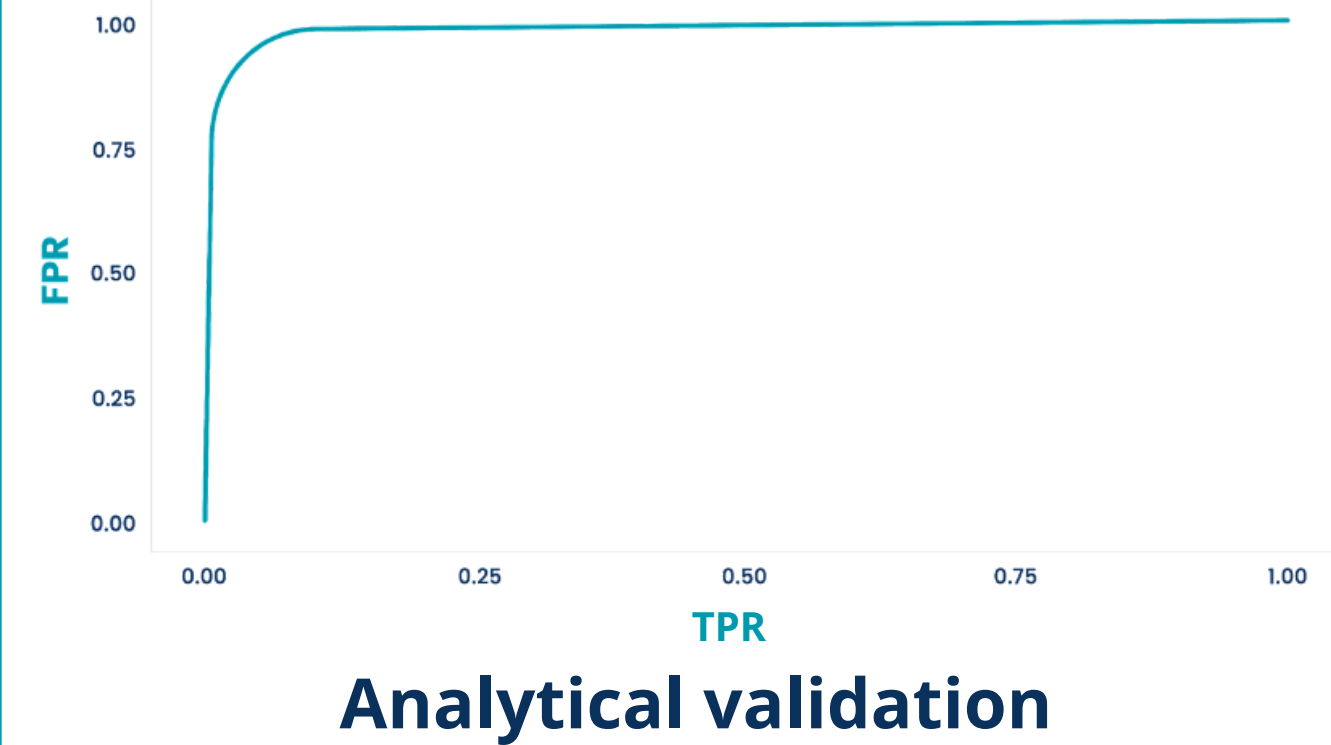
Global Leader in Passive Cough Recognition and Monitoring

Data Collection



Growing **14144** coughs/day MoM growth: **14%**

Model Training



Validation



Commercialization



High value data

Insights for Patient Care

Enables Providers to Monitor and Tailor Therapy

Precision measurements replace vague impressions with accurate actionable data, which improves provider efficiency and patient satisfaction.



Clinical Cohort Management

Speeds up Drug Development with Accurate Cough Quantification

Cough is often an endpoint in clinical trials. With passive continuous cough monitoring Hyfe reduces costs and timelines of clinical drug trials.

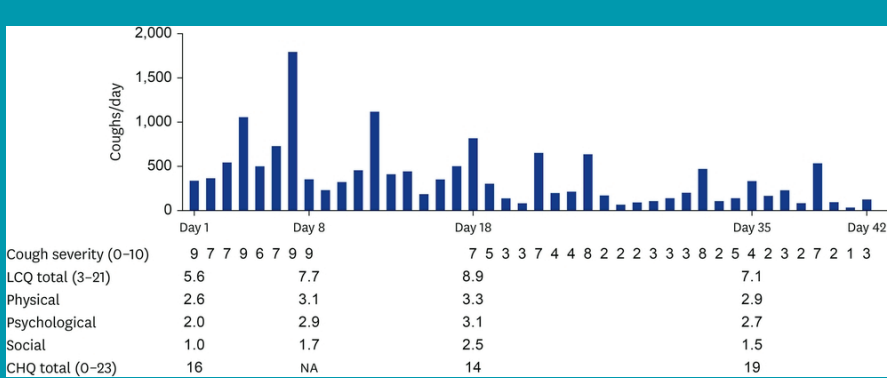


Powerful Research Tool

Coughs are Rich Data

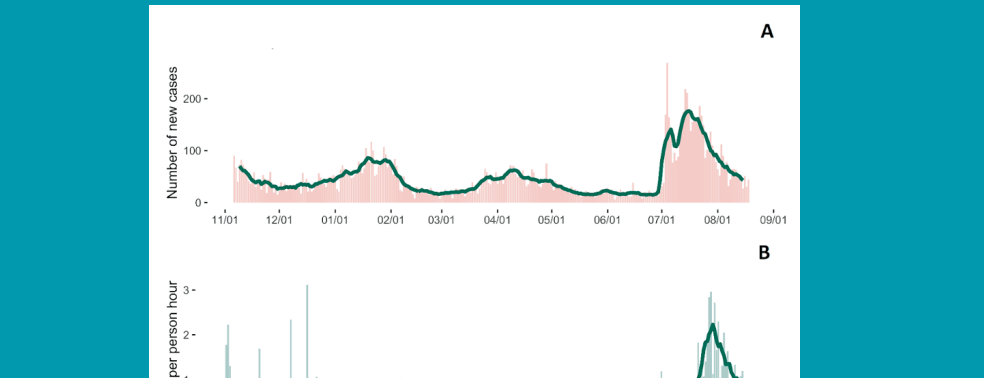
Continuous cough as a data point was never objectively evaluated in routine clinical practice.

Long-COVID severe refractory cough: discussion of a case with 6-week longitudinal cough characterization



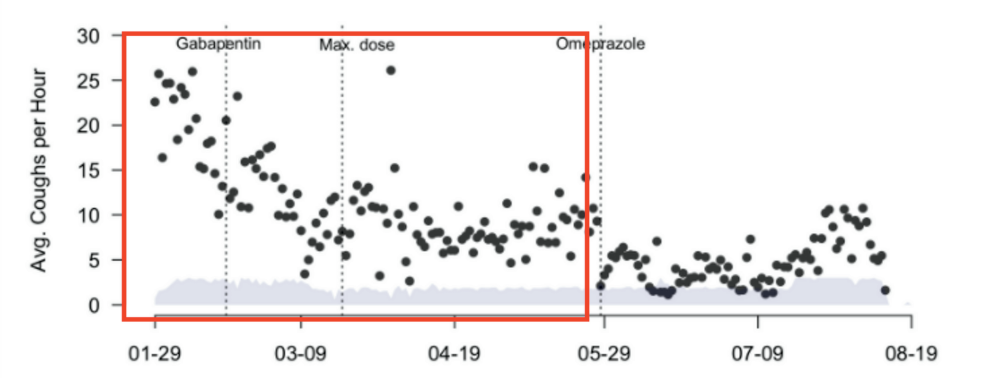
Passive cough monitoring in clinical care

Acoustic surveillance of cough for detecting respiratory disease using artificial intelligence



Can be deployed at scale

Longitudinal Passive Cough Monitoring and Its Implications for Detecting Changes in Clinical Status

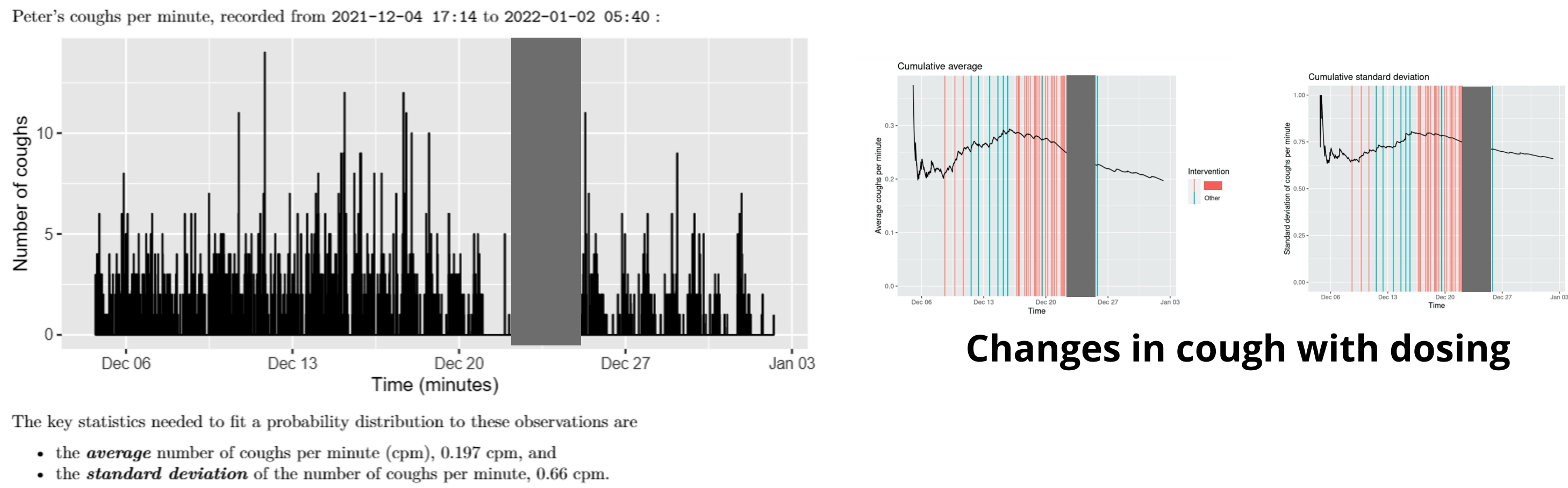


24 hour sampling can be misleading

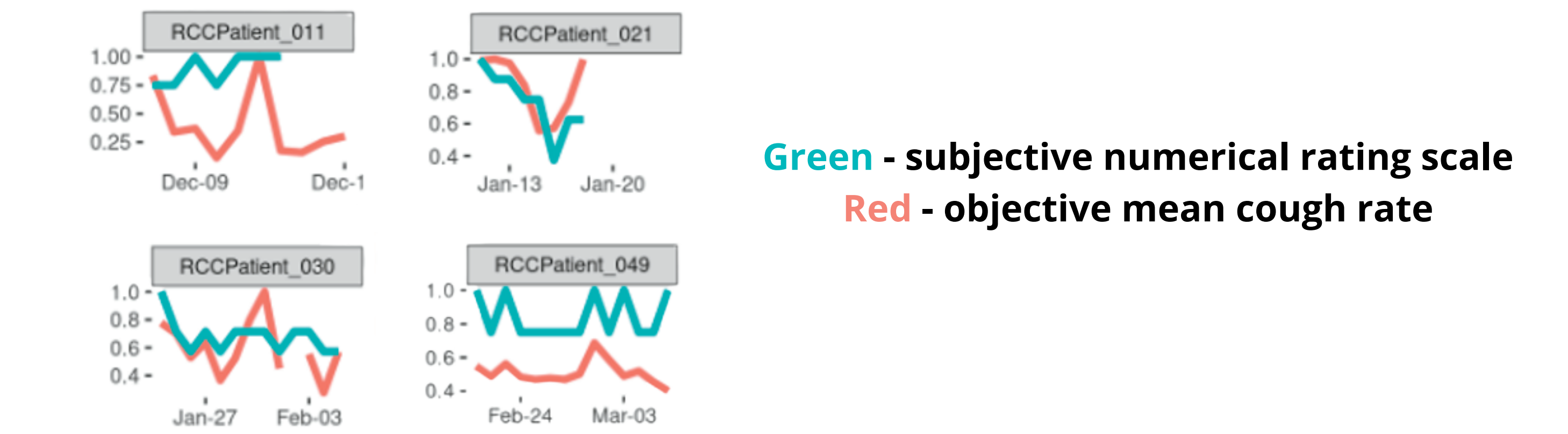


Hyfe Air
a wearable for research projects

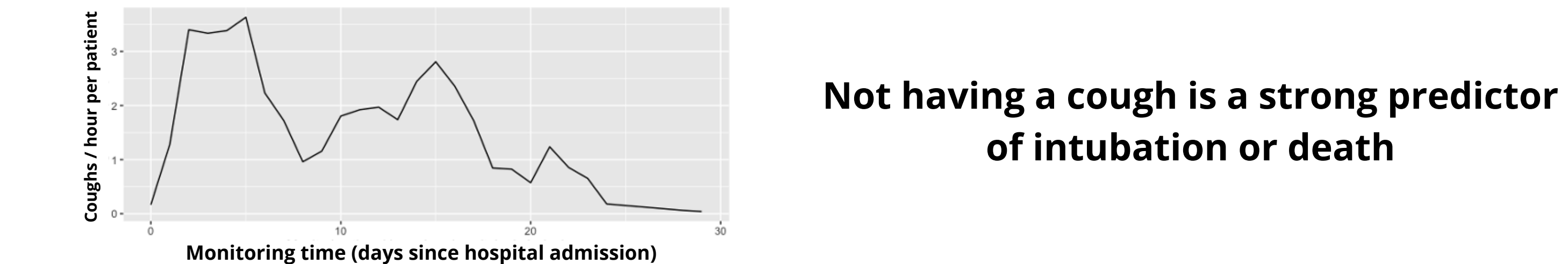
Hyfe - a Sensitive Therapeutic Endpoint



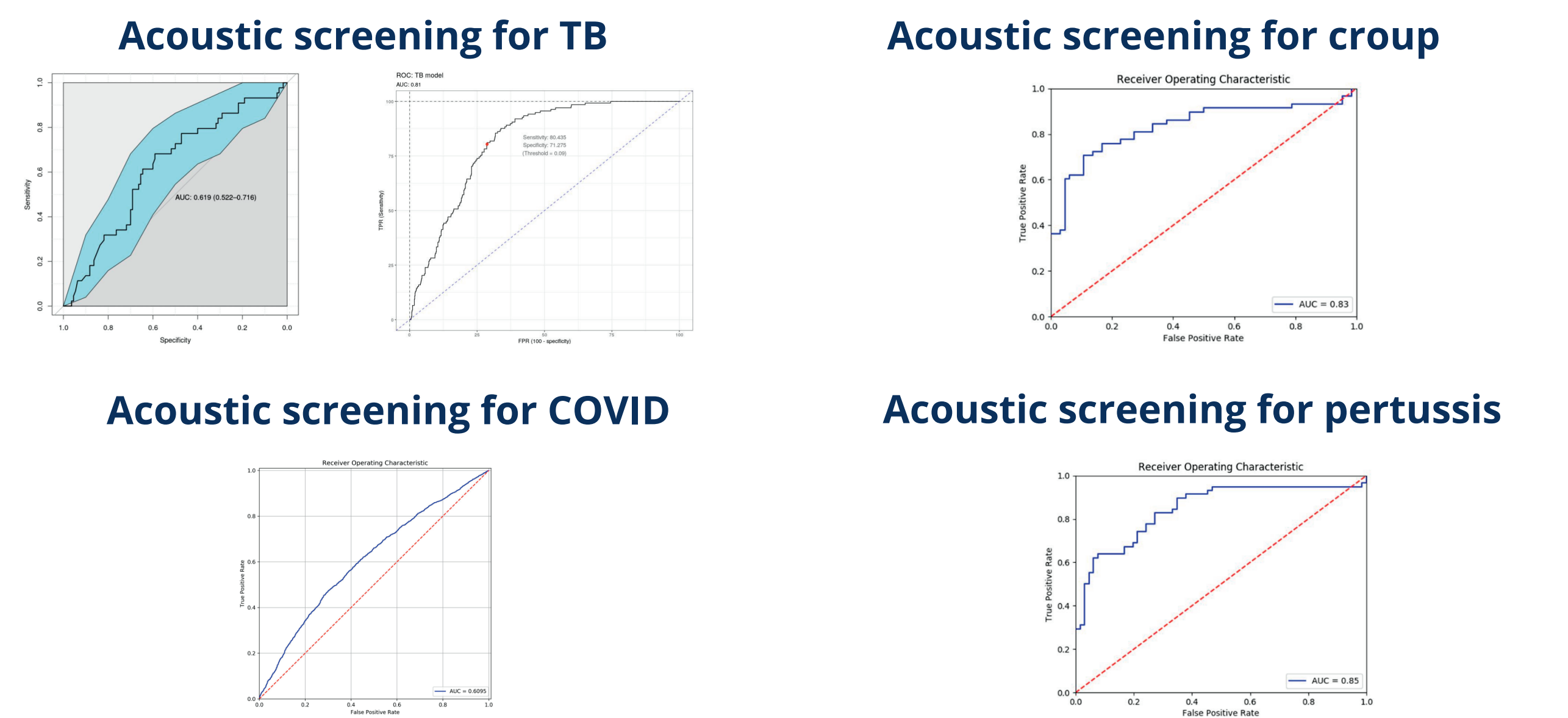
Subjective Vs Objective Cough Data



Prognostic Significance of Cough in Severe COVID



The Sound of Cough to Triage Diagnostic Evaluation



ATS 2022
Respiratory Innovation Summit