

Using Continuous Respiratory Remote Patient Monitoring to Identify & Predict COPD Exacerbations



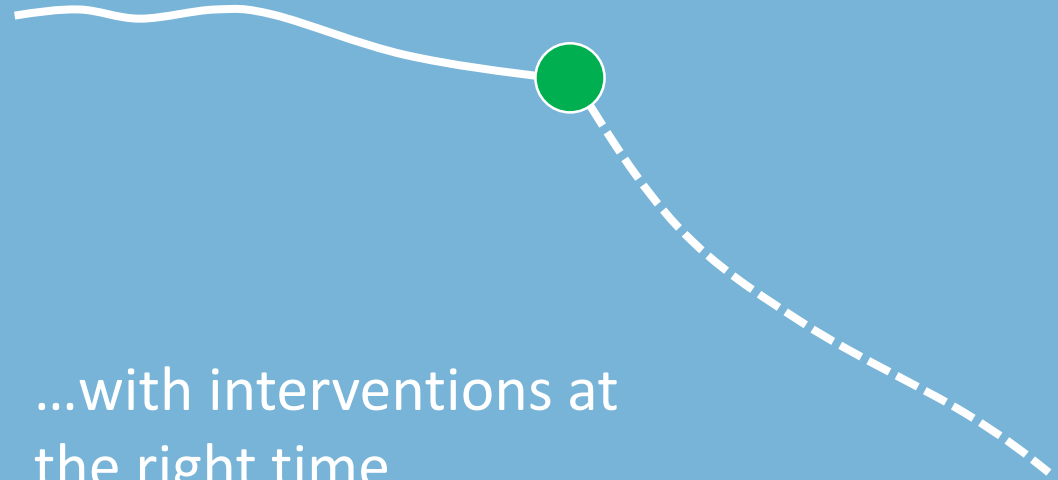
Jonathan Palley
CEO and Co-founder

Changing the paradigm of COPD care

up to

50%

of COPD
hospitalizations are
preventable...



...with interventions at
the right time

Remote Patient Monitoring requires...

1

Sensor + algorithm can predict exacerbations

2

Works with non-tech savvy, elderly, sick patients

3

Financially viable
(reimbursable / profitable)

Spire Health Tags



- Continuous, clinical-grade respiratory data
- Proven long-term adherence
- Clinician dashboard to monitor health changes
- Easy to implement, easy for patients to use

Landmark study to identify predictors of COPD exacerbations

THE STUDY

- >100 participants with moderate to severe COPD
- 9 months

THE DATA

- 24/7 continuous monitoring with Health Tags
 - Respiration
 - Heart Rate
 - Activity
 - Sleep

THE GOALS

- High long-term adherence
- Identify predictors of COPD exacerbation

Initial results: Compliance

94%

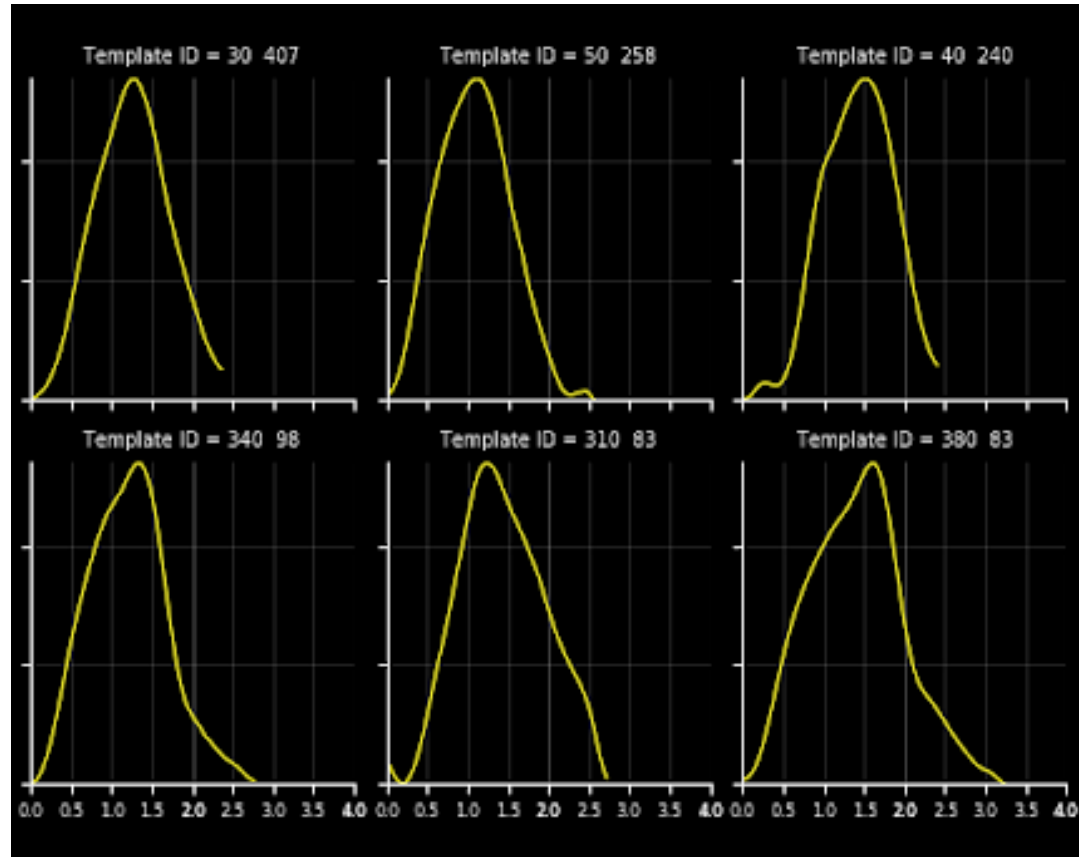
Daily compliance

79%

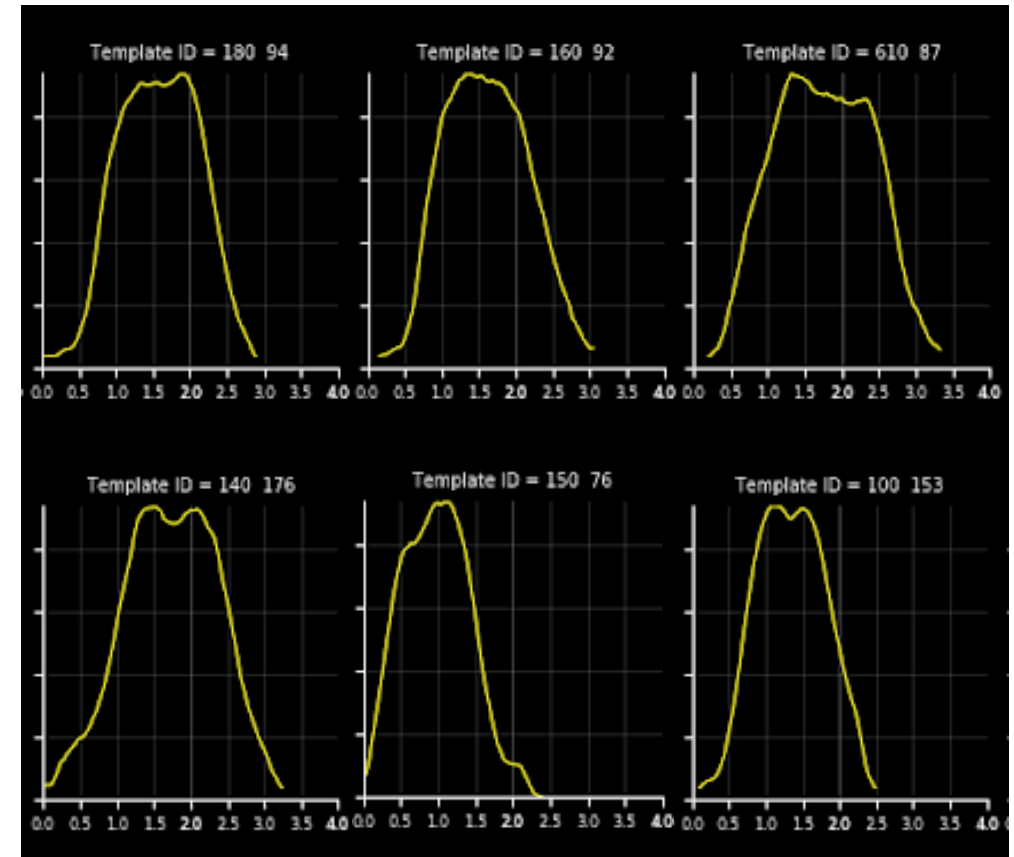
of all hours monitored

Initial Results: Breath Morphology

Participant 564: Feb 21
(No reported issues)



Participant 564: March 15
(2 days before hospitalization)

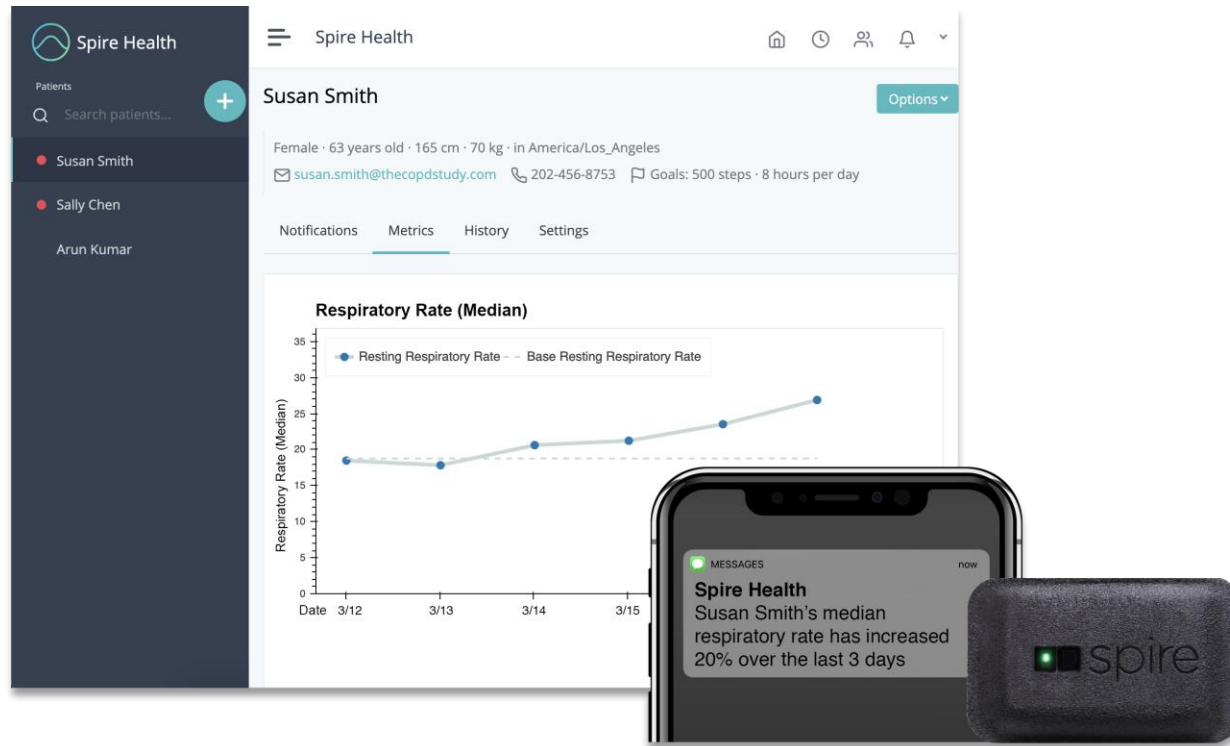


Initial Results: Predicting Hospitalizations

8 of first 10

hospitalizations
predicted > 2 days ahead

A Complete RPM Solution for COPD



- End-to-end RPM solution
- Proven compliance among COPD patients
- Highly accurate data & strong initial clinical results
- Highly profitable business model

Thank You

Email me at jonathan@spirehealth.com or
come visit our booth at ATS: #2403