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...

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<td>1</td>
<td>Sensor + algorithm can predict exacerbations</td>
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<td>2</td>
<td>Works with non-tech savvy, elderly, sick patients</td>
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<td>3</td>
<td>Financially viable (reimbursable / profitable)</td>
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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

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<th>THE STUDY</th>
<th>THE DATA</th>
<th>THE GOALS</th>
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<td>• &gt;100 participants with moderate to severe COPD</td>
<td>• 24/7 continuous monitoring with Health Tags</td>
<td>• High long-term adherence</td>
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<td>• 9 months</td>
<td>• Respiration</td>
<td>• Identify predictors of COPD exacerbation</td>
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<tr>
<td></td>
<td>• Heart Rate</td>
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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