breathing: the 3rd cause of death

36,000,000 Americans suffer from chronic airway disease

8% Asthma
6% COPD
2% other

* SOURCE: AMERICAN THORACIC SOCIETY, AMERICAN LUNG ASSOCIATION
breathing disease treatment is *generic*

Patients are treated as the Average Joe

**Patient Problems**

- there are no means to optimize medication
- are prone to asthma attacks & ER admissions
- don’t know when to medicate
**spirometry**, a “dump” lung snapshot

a standardized test
simple; 10” blow
the problem
live only in a hospital
incomprehensible
Respi, personalized smart spirometry

a smartphone based
airway disease management system
Respi innovative spirometer

feature rich
inexpensive
easy to use
portable
disposable mouthpiece
Respi personal interpretation app

- personalized metrics
- measurement patterns
- gamification led conformance
- drug regime tracking
- asthma attack prevention
Respi cloud platform

- big population analytics
- individual spirometry assessment
- constant patient monitoring
- personalized real-time consultation
Measurement Specificity

Development of a Smartphone-Enabled Spirometer for Personalized Respiratory Health

Published at Mobihealth 2014, International annual conference
pulmonary wellness competition

PEF meter
  smart
  accurate
  mobile

WELLO
  smart
  accurate
  mobile

clinical spirometer
  smart
  accurate
  mobile

RESPI
  smart
  accurate
  mobile
a dedicated team

Antonios
CEO
cofounder

Christos
CTO
cofounder

Vasilis
Creative
Director

Ioannnis
Hardware
Engineer

Nikos
Clinical
Research Officer

Kostas
iOS
Developer

Babis
Project Management

George
Technology
Analyst
Respi, a global footprint

- **USA:** hardware laboratory & business development
- **Greece:** testing facility & product management
next steps

Jun ‘14
- prototype v3
- 1st publication
- lab setup

Aug ‘15
- regulatory application
- mass production version
- crowdfunding campaign
- patent filing

Sep ‘16
- first deliveries

Today
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phase I
- proof of business

phase II
- wellness

phase III
- FDA
road ahead

phase II
financing needs

raised $80k

Jun '14

Aug '15

Sep '16

Deliverables

algorithm & design refinement

product run of 5000 pieces

collaborate with 2 med. institutions

proof of business

wellness

FDA
THANK YOU

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