ResApp HEALTH

Digital healthcare for respiratory disease

Tony Keating
Chief Executive Officer and Managing Director
tony@resapphealth.com.au

ASX The CEO Sessions
15 March 2016

ASX: RAP

Disclaimer

This presentation has been prepared by ResApp Health Limited ("ResApp"). The information contained in this presentation is a professional opinion only and is given in good faith. Certain information in this document has been derived from third parties and though ResApp has no reason to believe that it is not accurate, reliable or complete, it has not been independently audited or verified by ResApp. Any forward-looking statements included in this document involve subjective judgment and analysis and are subject to uncertainties, risks and contingencies, many of which are outside the control of, and may be unknown to, ResApp. In particular, they speak only as of the date of this document, they assume the success of ResApp's strategies, and they are subject to significant regulatory, business, competitive and economic uncertainties and risks. Actual future events may vary materially from the forward-looking statements and the assumptions on which the forward-looking statements are based. Recipients of this document (Recipients) are cautioned to not place undue reliance on such forward-looking statements. ResApp makes no representation or warranty as to the accuracy, reliability or completeness of information in this document and does not take responsibility for updating any information or correcting any error or omission which may become apparent after this document has been issued.

To the extent permitted by law, ResApp and its officers, employees, related bodies corporate and agents (Agents) disclaim all liability, direct, indirect or consequential (and whether or not arising out of the negligence, default or lack of care of ResApp and/or any of its Agents) for any loss or damage suffered by a Recipient or other persons arising out of, or in connection with, any use or reliance on this presentation or information.

This presentation is not an offer, invitation, solicitation or recommendation with respect to the subscription for, purchase or sale of any security, and neither this presentation nor anything in it shall form the basis for any contract or commitment whatsoever.

All amounts in Australian dollars unless stated otherwise.

ResApp HEALTH

Digital healthcare for respiratory disease

- Developing the world's first clinically-tested, regulatory-approved respiratory disease diagnostic test for smartphones
  - **No additional hardware** needed
  - Unique opportunity to integrate into **telehealth** providers' existing platforms
  - Apps to provide clinical-quality ('Gold Standard') diagnostic tests and chronic disease management tools directly to consumers and healthcare providers
- Huge global market, 700M+ doctor visits annually for respiratory disease[1]
- Strong clinical evidence from multiple pediatric clinical studies, adult study underway
- Successful Pre-Submission meeting held with the US FDA in Q1 2016
- Fully-funded to bring product to US market in late 2016

1. ResApp estimate based on OECD doctor visits per capita data and assuming 10% of visits are for respiratory disease (based on US data)

ResApp HEALTH

Company overview

Capital Structure (ASX:RAP)

Market Cap.	$151M
Share Price as of 14 March 2016	$0.26
Shares on Issue[1]	580M
Performance Shares[2]	93.75M
Options[3]	15.47M
Staff Incentive Options[4]	25M
Cash Balance as of 31 December 2015	$2.7M

1. Includes 121M escrowed shares
2. Issued on achieving $20M of annual revenue or on an acquisition
3. Exercise price of 2.6c, expire 31 December 2016
4. Issued to MD, 5M options at exercise price of 2.5c, 5M at 5c and 10M at 10c, 5 year expiry; Issued to Dr Abeyratne, 3M at 5c and 2M at 10c

Board of Directors

Dr Roger Aston — Non-Executive Chairman

(Chairman of Oncosil, former CEO of Mayne Pharma, Cambridge Antibody, cofounder of pSivida Corp)

Dr Tony Keating — Managing Director and CEO

(former Director, Commercial Engagement of UniQuest, engineering management roles with Exa Corporation)

Mr Brian Leedman — Executive Director and VP

(Chair of AusBiotech-WA, co-founder of Imugene Ltd and Oncosil Medical Ltd, former VP, IR at pSivida Corp. and Group Marketing Manager at E&Y-WA)

Mr Adam Sierakowski — Non-Executive Director

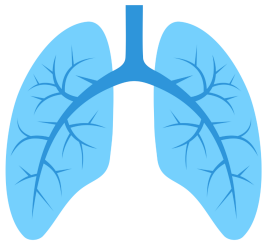
Mr Chris Ntoumenopoulos — Non-Executive Director

Substantial Shareholders

Freeman Road: 7.59%
UniQuest Pty Ltd: 7.28%
Mr Brian Leedman: 5.28%
Top 20 Shareholders: 43.7%

ResApp HEALTH

Diagnosis of respiratory disease is the most common outcome from a visit to the doctor



Acute conditions

URTIs, influenza, bronchitis, bronchiolitis, pneumonia, pertussis, croup

Chronic Conditions

Asthma, COPD, cystic fibrosis, bronchiectasis

- **125M** doctor visits[1] in the US for respiratory disease (10% of all visits)
- **6-8M** doctor visits[2] in Australia for respiratory disease
- Est. **700M+** doctor visits globally[3] for respiratory disease
- High prevalence and growth in Asia

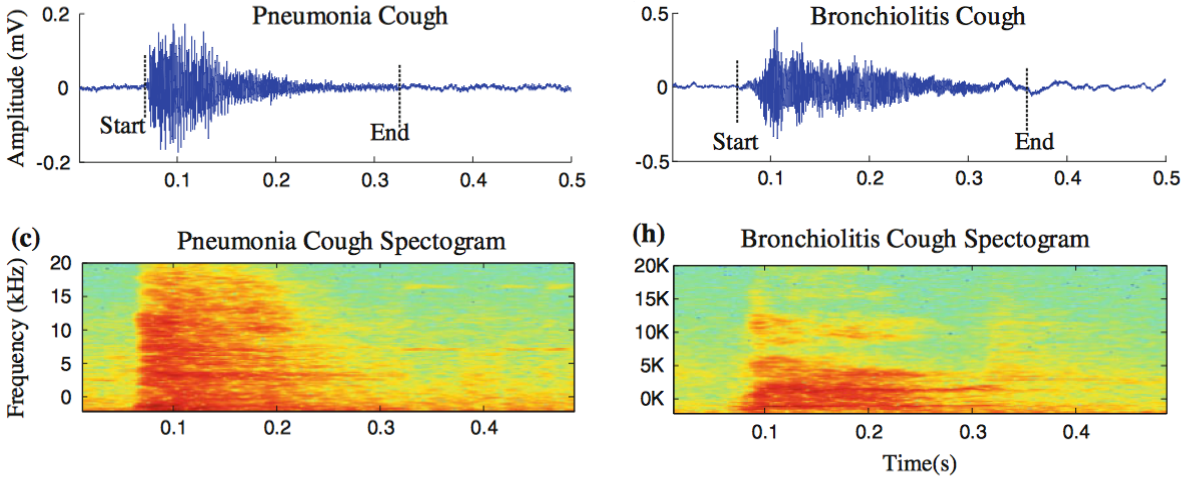
Currently diagnosed using stethoscope, imaging (x-ray, CT), blood and/or sputum tests

1. Ambulatory case visits, National Ambulatory Medical Care Survey 2010
2. Australian Lung Foundation
3. Based on OECD doctor visits per capita data and assuming 10% of visits are for respiratory disease (based on US data)

ResApp HEALTH

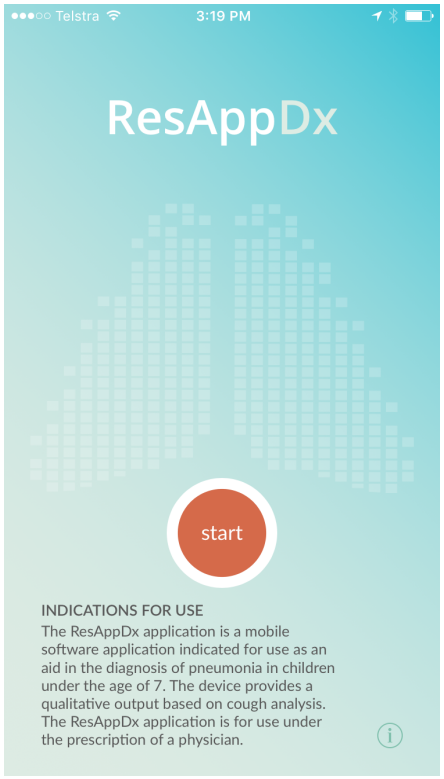
Revolutionary tool based on sound signatures

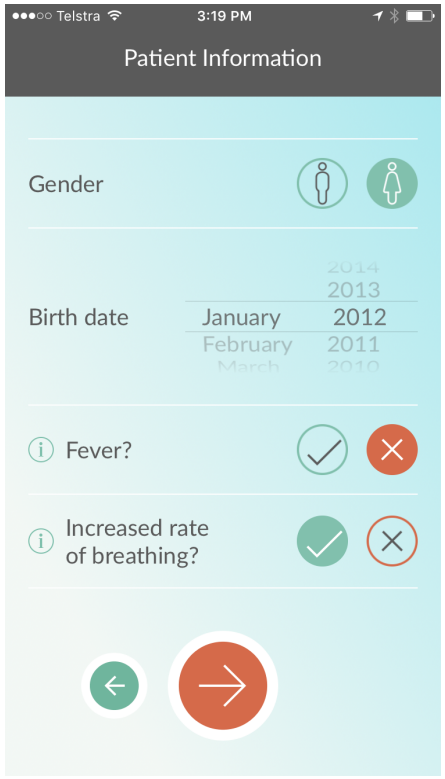
- Exclusive worldwide license to machine learning technology developed by A/Prof. Abeyratne at The University of Queensland
- Uses signatures in coughing and breathing sounds to diagnose disease
- Patent application filed in US, Australia, Europe, China, Japan and South Korea
- Can be delivered using today's smartphones, no additional hardware required

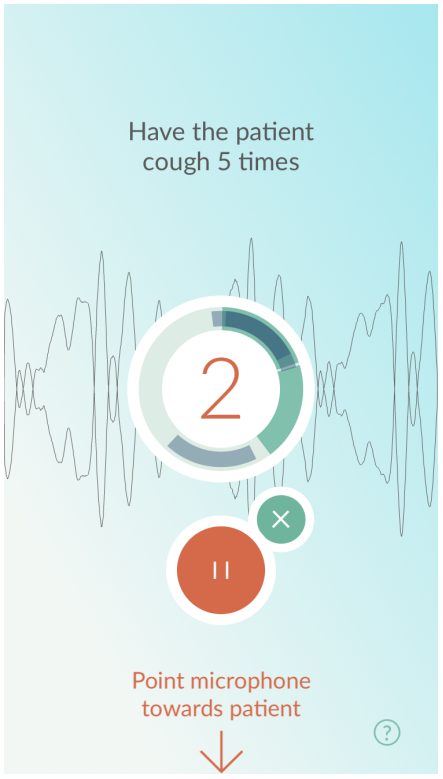


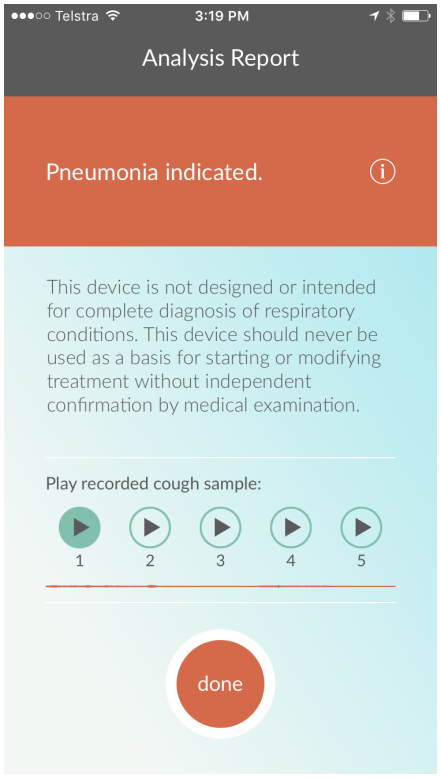
ResApp HEALTH

Easy to use, instant diagnosis on a smartphone









ResApp HEALTH

Strong clinical evidence

Proof of concept study (2013)

- Funded by The Bill and Melinda Gates Foundation and The University of Queensland
- Site: Sardjito Hospital, Indonesia
- 91 patients, majority under the age of 5
- Results published in peer-reviewed journals[1,2]

Current study (started March 2015)

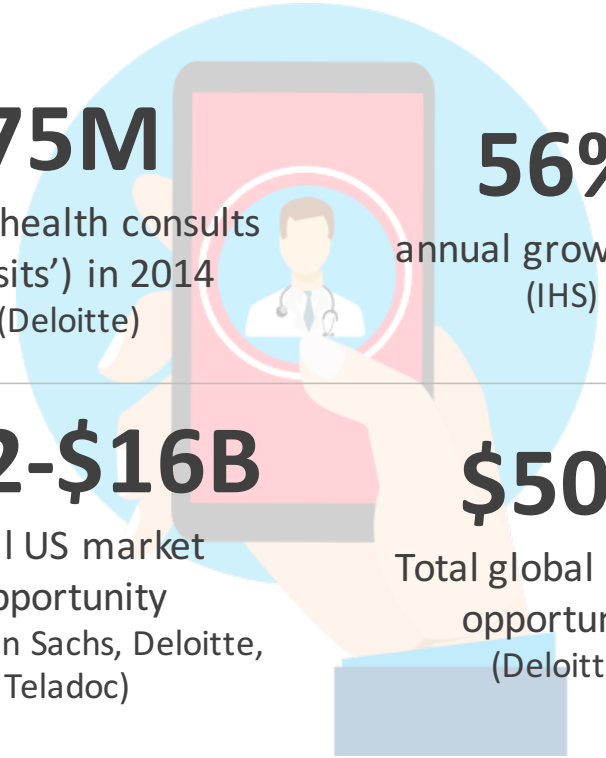
- Funded by ResApp
- Managed by The University of Queensland
- Sites: Joondalup Health Campus and Princess Margaret Hospital, Perth, Australia
- 598 pediatric patients enrolled to date (continuing)

2013 Study	Sensitivity	Specificity	Accuracy
Pneumonia *vs. all respiratory*	94%	100%	**96%**
Asthma *vs. pneumonia*	100%	80%	**90%**
2015 Study Preliminary Results	**Sensitivity**	**Specificity**	**Accuracy**
Pneumonia *vs. no respiratory*	100%	95%	**97%**
Asthma *vs. no respiratory*	97%	92%	**95%**
Bronchiolitis *vs. no respiratory*	100%	100%	**100%**
Croup *vs. no respiratory*	94%	100%	**99%**
URTI *vs. no respiratory*	100%	95%	**96%**
Pneumonia, croup or bronchiolitis *vs. URTI*	89-100%	90-95%	**89-98%**
Differential diagnosis of pneumonia, croup, URTI and bronchiolitis	92-100%	85-97%	**91-99%**

1. Abeyratne et al., Annals of Biomedical Engineering, 2013
2. Kosashi et al., IEEE Transactions in Biomedical Engineering, 2015

ResApp HEALTH

Telehealth is one of the biggest trends in healthcare



75M
US telehealth consults ('evisits') in 2014
(Deloitte)

56%
annual growth rate
(IHS)

$12-$16B
Total US market opportunity
(Goldman Sachs, Deloitte, Teladoc)

$50B
Total global market opportunity
(Deloitte)

TELADOC · AMERICAN WELL · MDLIVE · DOCTOR ON DEMAND

- Teladoc and American Well: 10M+ customers each
- Insurers such as Cigna, Aetna, UnitedHealthcare
- Employers such as Bank of America, Volvo, Yahoo!
- Hospital systems such as Mount Sinai

Walgreens · CVS/pharmacy

- Two largest US pharmacy chains have recently announced partnerships with telehealth providers

ResApp HEALTH

ResApp directly addresses the most common disease encountered by telehealth providers

The market segment addressed by ResApp is enormous

- **30%** of telehealth consults for acute respiratory disease[1]
- **22.5M** telehealth consults per year today for acute respiratory disease
- Number of telehealth consultations growing at 56% per year[2]
- **700M+** global doctor visits each year for respiratory disease[3]
  - Access through growth in telehealth plus in-person tests (in-clinic, in-hospital)

1. Uscher-Pines and Mehrotra (Health Affairs, 2014)
2. IHS
3. Based on OECD doctor visits per capita data and assuming 10% of visits are for respiratory disease (based on US data)

ResApp HEALTH

Market segments and business model

	Telehealth	Clinical use	Developing world	Direct to consumer
Commercial strategy	Partner with telehealth providers to reach 10s of millions of patients	Initial use in emergency departments (ED), extending to regular clinics	Partner with leading international aid agencies to equip field personnel	Direct to consumer via app stores to target growth in consumer-led health
Value proposition	✓ The only remote clinically-accurate diagnostic tool available ✓ Easily integrated into existing platforms	✓ Reduce costs (<$10 vs >$200 for x-ray) ✓ Reduce time (x-ray adds ~30 mins)	✓ Low cost, accurate & fast ✓ Usable by non-medical personnel ✓ Integrates into IMCI framework	✓ Convenience ✓ Low cost ✓ Consumer empowerment
Revenue model	B2B per test fee (<$10) from telehealth providers	B2B per test fee (<$10) from healthcare payors	B2B low cost annual subscription from aid agencies	B2C download and per test fee direct from consumers
Market size	• 22.5M respiratory-related US telehealth consults p.a. • 56% growth rate • Major telehealth providers have 10s of millions of customers each	• 13.4M US ED visits for respiratory disease p.a.[1] (~4.6M for children) • 700M+ ambulatory respiratory consultations p.a.[2]	• 1M child deaths due to pneumonia p.a.[3] • 151M cases of pneumonia in developing countries p.a.[3]	• 400M iPhone users[4] • 1.6B Android users[4] • mHealth app market expected to grow to $25B by end of 2017[5]

ResApp HEALTH

1. NHAMCS (2011)
2. ResApp estimate based on OECD per capita data
3. WHO estimate
4. Statista (2014 estimates)
5. Research2guidance mHealth App Developer Economics (2014)

2015: An outstanding year of achievements

- ☑ Initiated and enrolled 598 patients in multi-site pediatric clinical study
- ☑ Reported positive preliminary results from pediatric clinical study
- ☑ Initiated adult clinical study
- ☑ Appointed best-in-class FDA regulatory consultant – Experien Group (Sunnyvale, CA)
- ☑ Filed Pre-Submission package with the US FDA
- ☑ Built up the team with three new hires (software development, clinical/regulatory operations)
- ☑ Developed high performance cross-platform software library that can be deployed via smartphone app, SDK or cloud-hosted Software-as-a-Service API
- ☑ Raised AU$4 million and listed on the ASX

ResApp HEALTH

Milestones for 2016

- ☑ Obtained approval to enroll adult patients at second hospital site, The Wesley Hospital (Q1)
- ☑ Reported interim results from pediatric study demonstrating superiority to stethoscope for lower respiratory tract disease (Q1)
- ☑ Secured partnership with global humanitarian organisation for developing world trial (Q1)
- ☑ Successfully held Pre-Submission meeting with the US FDA (Q1)
- ☐ Report updated results from pediatric clinical study (Q1)
- ☐ Report preliminary results from adult clinical study (Q2)
- ☐ Initiate pivotal clinical study in US and Australia (Q2)
- ☐ File *de novo* premarket submission with FDA for first ResApp product (mid-year)
- ☐ FDA marketing approval for first ResApp product (Q4)

ResApp HEALTH

Summary

- Revolutionary technology – diagnosis and management of respiratory disease without the need for additional hardware
- Multi-site pediatric clinical study progressing very well with over 500 patients enrolled and positive preliminary results
  - Continuing enrolment beyond initial target patient numbers due to the high value of data collected
- Enrolment in adult clinical study progressing quickly, approval obtained for second site
- **US FDA Pre-Submission meeting held in Q1 2016**
  - Confirmed *de novo* regulatory pathway, combined US and Australian pivotal clinical study
- **Further results from pediatric and adult clinical studies due in Q1-Q2 2016**
- **On-track to bring product to market in late 2016**, launch via telehealth partner to reach millions of patients quickly

ResApp HEALTH