

"Never has scale been more important for the success and growth of a global business!"



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## ABOUT US

#### THE MEASURE OF LIFE

Uscom are the experts in circulation delivering innovative, practice changing non-invasive cardiovascular and pulmonary monitoring devices. Our devices are patent protected advancements on current devices, and provide improved measurements of the vital oxygen delivery system.

Our devices are changing the way cardiovascular and pulmonary medicine is practiced.





#### OUR VISION

Uscom is an innovator in cardiovascular and pulmonary medical devices, developing new non-invasive technologies to address the challenges of global disease and health care.



#### OUR DRIVE

Uscom is driven by a commercial ambition to become a leader in the global healthcare business, and is poised for growth in 2018.

## SUMMARY

#### RESULTS

- > Record revenue, sales, cash receipts (up 307% 5yrs, 72% 2yrs, and 32% 5yr CAGR)
- ▶ \$3.5M revenue with intermittent monthly/quarterly cash flow positivity
- ➤ 2 international acquisitions
- ➤ High value IP across 3 sectors
- ➤ High margin products

#### ACHIEVEMENTS

- ➤ Leader in CV and pulmonary devices
- > New sales, marketing and distribution division to drive global sales
- > New regulatory approvals imminent
- > Volume manufacturing prepared
- ➤ Global operations

#### FUTURE

- > 7 new products for China, Europe and USA
- Expanded distribution China
- Revenue -\$10, \$20 and \$50M short, mid and long term targets
- Re-valuation of assets (\$20M -\$200M)
- ➤ Product pipeline new IP
- International partnerships

Uscom is a rapidly emerging global

healthcare business poised for

growth in 2018



## USCOM TODAY

| Reuters/Bloomberg   | UCM.AX/UCM.AU |
|---------------------|---------------|
| Market Cap          | \$18M         |
| Current price       | \$0.15        |
| 2017 VWAP           | \$0.25        |
| Shares on issue     | 114M          |
| Free float          | 100%          |
| Top 20 shareholders | 65%           |
| Major Shareholders  | %             |
| Prof Rob Phillips   | 19.96         |
| Mr Gary Davey       | 5.48          |
| Dr Stephen Woodford | 8.96          |

#### • OVERVIEW



#### PRODUCTS

USCOM 1A – Ultrasonic Cardiac Output Monitor for sepsis, fluid, heart failure, hypertension, pre-eclampsia

BP+ - Blood pressure and heart failure for hypertension, pharma, heart failureSpiroSonic – Ultrasonic spirometers for asthma and COPD



#### **GLOBAL SALES**

Current Uscom results are based on USCOM 1A global sales Uscom has acquired 2 companies and their IP and rebranded and integrated these operations, devices and IP into Uscom. This creates a new global sales focus and Uscom is working to establish new global sales, marketing and distribution channels

## GOVERNANCE





Ms Sheena Jack Non-executive CEO of HCF Associate Prof Rob Phillips Executive Uscom Limited Mr Christian Bernecker Non-executive Mr Brett Crowley Secretary

Mr Chao Xian (David) He Non-executive

#### • MEDICAL ADVISORY



**Prof. Colin Sullivan Australia** Sleep Medicine

Prof. C.P.Lau | Hong Kong Cardiolology/Electrophysiology

Prof. Didier Payen | France Critical Care Medicine

**Prof. Peter Lichtenthal | USA** Cardiac Anaesthesia







**Prof. Nigel Sharrock | USA** Anaesthesia

Prof. Stephane Carlier | Belgium Invasive Cardiolology/Physiology

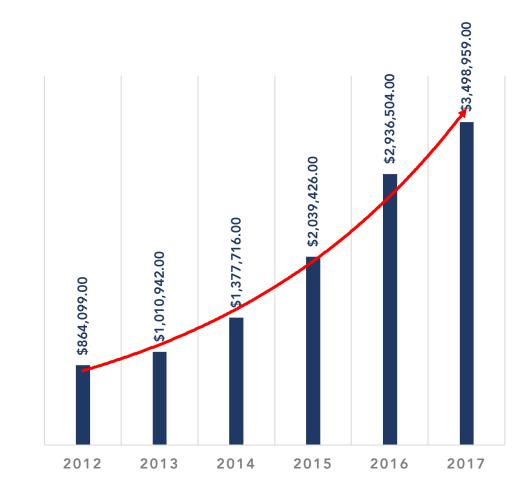
Prof. Malcolm West | Australia Cardiolology/Hypertension











#### TOTAL ANNUAL REVENUE

Strong revenue, sales and receipts growth

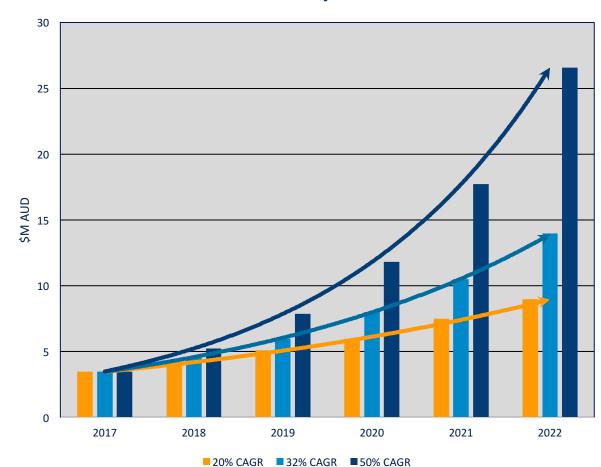
➤ 307% growth over the last 5 years

➤ 72% in the last 2 years

- ➤ CAGR of 30-40% PA for the last 5 years
- ➤ Intermittent cash flow +ve in 2017

Growth is expected to accelerate with the revenue provided by the new BP+ and SpiroSonic devices as they reach market in 2018.



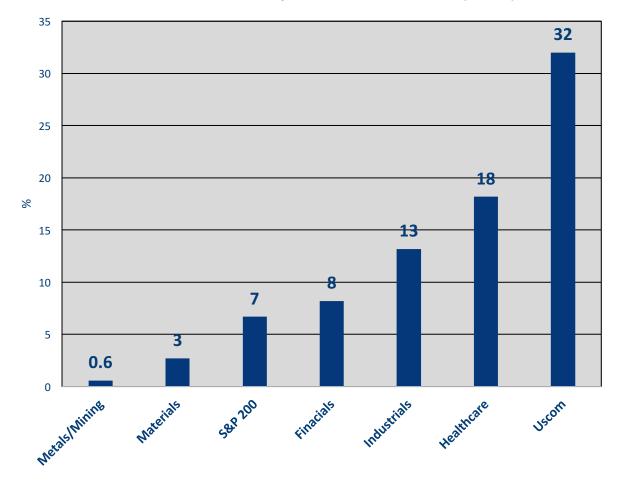


CAGR and 5 Year Projected Revenue

These are simple mathematical models and do not in any way represent forecasts

### RELATIVE PERFORMANCE

ASX Indices 5 Year Compound PA Growth Rate (CAGR)

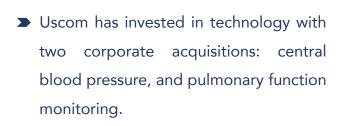


#### • OUR ACQUISITIONS

#### **INVESTED IN NEW TECHNOLOGY**







- We have integrated the companies, redesigned, optimised, and rebranded the new devices prepared the products for market.
- 2018 will see the launch of 7 new products to market, and new revenue.

Uscom

The **USCOM 1A** is a non-invasive advanced hemodynamic monitor that measures cardiovascular function using Doppler ultrasound to detect abnormalities and guide treatment. The USCOM 1A has major applications in Paediatrics, Emergency, Intensive Care, Anaesthesia and Pre-eclampsia,







The **BP+** measures blood pressure and pressure waveforms at the heart, as well as in the arm, information only previously available using invasive cardiac catheterisation. The Uscom BP+ Reporter is a patient archiving, analysis and reporting software for use with the Uscom BP+. This system will revolutionise hypertensive management **SpiroSonic** digital ultrasonic spirometers are high fidelity, digital, pulmonary function testing devices based on multi-path ultrasound technology. SpiroSonic devices can be coupled with mobile applications and proprietary software with wireless interfacing to provide remote telemonitoring of asthma, COPD and OLD.



## OUR BENEFITS

#### Ischaemic heart disease Stroke Lower repiratory infection COPD Tracheal, bronchus, lung cancers Diabetes mellitus Alzheimer Diarrhoel diseases Tuberculosis Road injury 0 2 4 6 8 10

Death in millions

#### TOP 10 CAUSES OF DEATH GLOBALLY – 2015 (WHO)

#### MEETING GLOBAL CLINICAL NEEDS

Uscom devices address conditions responsible for **75%** of all deaths worldwide (WHO criteria).

- ► Heart failure
- Sepsis
- ► Hypertension
- Asthma
- COPD

#### • REGULATORY



CE

Regulatory approval is required for device sales into China (CFDA), Europe (CE), FDA (USA) and Australia (TGA). Uscom has a number of pending approvals into various jurisdictions over the next 12 months which will allow sales into new markets.

| USCOM 1A:        | BP+:               | SpiroSonic:        |
|------------------|--------------------|--------------------|
| CFDA – Acquired; | CFDA – Submission; | CFDA – Submission; |
| CE – Acquired;   | CE – Pending;      | CE – Acquired;     |
| FDA – Acquired;  | FDA - Submission   | FDA – Submission;  |
| TGA - Acquired   | TGA – Acquired     | TGA – Acquired     |

## OUR WORLD



11/07

Additional Uscom BP+ patent 18/07

17/08 Preliminary Annual Report and Accounts

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- 09/09 Uscom meets with Chinese health mini Uscom Budapest revenue up 48% 10/10 Pediatric sepsis outcomes improved with Usco 26/10 CE Mark for new asthma and COPD dev 31/10 07/11 Uscom CEO appointed to Govt China i 28/11
- Uscom awarded Euro Grant for Lung Cancer diagnostic
- Uscom ends 2016 with record manufacturing 03/01
- Uscom BP+detects new evidence of CV disease 19/01

New BP+ Patent

06/03

20/03

22/03

30/03

03/04

China BP+ and SpiroSonic reg New Uscom evidence for p lampsia

mission

Uscom receives 0.5M R&D tax re

- New UsCom grant for pulmonary research
- Uscom achieves first cash flow positive quarter
- 01/05
- Uscom SpiroSonic for French lung study 24/05

# MILESTONES FY17

Uscom made 23 price sensitive ASX announcements for the 2017 financial year.

## OUR SCIENCE

#### Patents and publications prove the value of Uscom technology to investors and the community.



30 Patents

Patents provide the legal protection for the value of our IP, and Uscom has strong property protection of all its product suites. To defend future revenue streams Uscom has more than 30 wide reaching and active patents across major international jurisdictions.

#### **500 Publications**

Uscom science and technology has also been recognised in more than 500 academic papers and presentations as a practice leader.

### PRODUCT LAUNCH

BP

#### MOUNT EVEREST



#### IT'S A BIG DEAL

- The BP+ is great science, and is:
- On board the International Space Station
- Used by UK servicemen and women to study hypertension on Mount Everest
- In drug evaluation trials with big pharma
- The emerging BP monitor of choice
- Hypertension occurs in aprox 1:3 adults worldwide and costs aprox \$372B USD globally PA



## LUNG FUNCTION

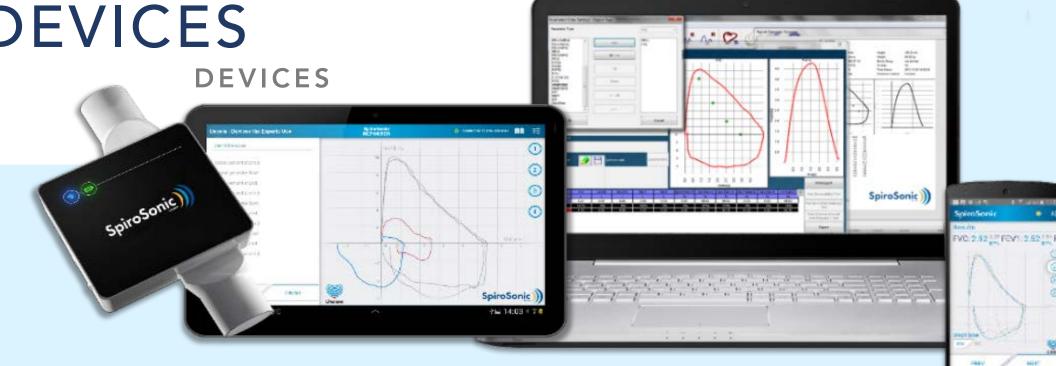
#### FOR EVERY BREATH YOU TAKE

- Lung disease (asthma and COPD) occurs in approximately 20% of the population and is increasing
- SpiroSonic devices improve the diagnosis and treatment of lung disease
- Device redesign and rebranding complete
- > New distribution in the US, China and SE Asia.
- Emerging eHealth applications for personalised home monitoring
- Discussions with leading global distributors
- Preparing for global markets in 2018
- Community cost 11.1B GBP, 20B Euro, 50B USD



## SPIROMETRY DEVICES

#### SOFTWARE



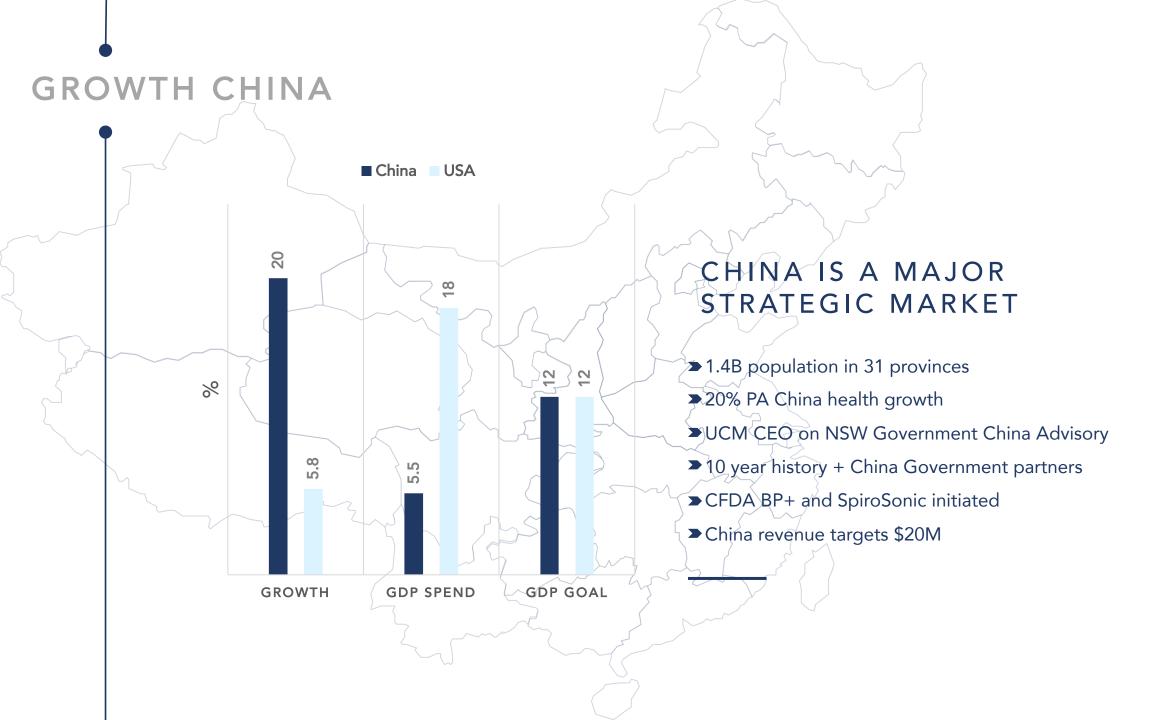
#### APPLICATION

#### • GROWTH STRATEGY



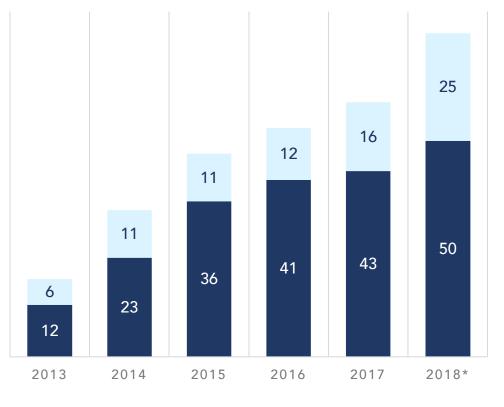
- ➤ Global CV and Pulmonary Devices
  - World leading devices
  - New products in pipeline
- Distribution and manufacturing
  - Global regulatory
  - China+ market expansion
- Saving Lives Uscom products
- Adoption
- Clinical practice

- ➤ Growth in revenue and scale
  - Grow revenue to \$20M
  - Grow cap value to \$200M



## GROWTH SALES

**GROWTH IN DISTRIBUTION AGREEMENTS** 



ROW China



Damien Linnett Global Sales Manager Appointed 2017



Bea Onal Marketing Coordinator Appointed 2017



**Denise Pater** Global Distribution Manager



**Bev Jacobson** Clinical Relations Manager

#### • INVESTMENT

Uscom is a high growth, de-risked medical device and technology company. While this is a simple overview it demonstrates a commitment to continued growth and delivery on operational fundamentals.

- High value, de-risked investment ✓ Experienced management ✓ Strong underlying business ✓ Established revenue growth history ✓ Premium products and markets ✓
- Diversified, validated and lifesaving technologies Aggressive global growth strategy 7 new products for 3 new markets in the next 12mths Further product pipeline Strategic opportunities

## RISKS

In a complex world unpredictable events can intervene in plans and strategies, and this also applies to Uscom, with a list of potential risks for the business going forward. While potential risks exist, management are always watchful and plan to respond rapidly and effectively to diminish their impact on the company.

> Growth and adequate funding – scale up stress Component availability/manufacturing impacting product supply Global economy – Brexit, USA, N Korea, South China etc. Lumpy revenue – small, rapidly growing and unpredictable

Regulatory – delays and cost

Under performance of distributors

Competitive risks and patent breaches

Key personnel risks

Unforeseen ....

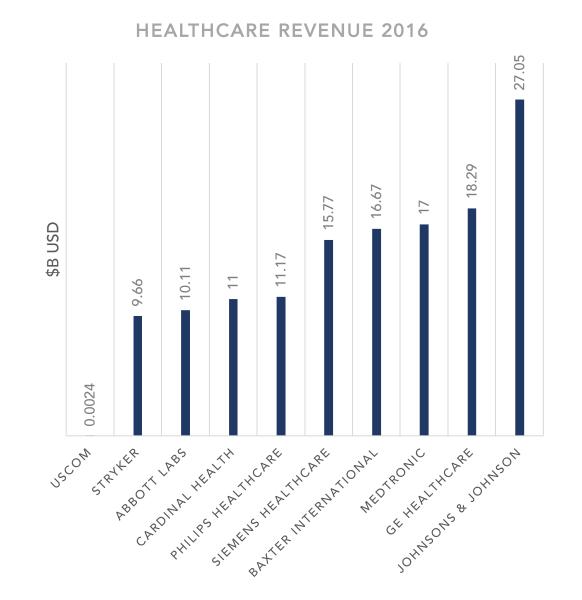
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## WHY NOW

After 5 years growth and investment Uscom is preparing for new revenue as we deliver 7 new products to global markets to supplement our already strong growth

- ➤ New products 1 to 8 (+700%)
- ▶ New distribution 53 to 75 (+32%)
- New regulatory approvals (CE, FDA and CFDA)
- More revenue \$3.5M to \$10M, 20M, 50M
- Incremental growth strategic partnerships?
- Revaluation of assets (\$20M -\$200M)

#### • FUTURE AMBITION



- Multiple premium products with pipeline
  Proven growth trends
  Experienced management
- ▶ Multiple markets and jurisdictions
- China connections
- > Patent protected IP
- De-risked bio-tech
- Small cap, under-valued
- ➤ Immediate revenue increments
- ➤ Rapidly growing global sector
- ➤ Strategic opportunities

To build devices to meet current and impending volume sales orders

Complete regulatory processes in multiple jurisdictions

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- Increase technical, marketing and sales staff to support expanding international operations
- Grow China market with new digital strategy, clinical support and materials

## CAPITAL GROWTH

#### Uscom

"Uscom has acquired global assets to ensure reliable revenue growth over the next decade. Our strategy is to efficiently deliver the

devices we have developed into global markets, and grow shareholder value."







## NO COMPETITION

0 out of 10 of the market leaders can compete with the USCOM 1A The USCOM 1A's superior Doppler technology is manufactured by Uscom, Australia.

**USCOM 1A -** The Future of Hemodynamics



### USCOM 1A COMPETITORS

| System                 | Manufacturer | Technology              | Rel+Rep  | Non-invasive | Simple       | Cost | Portable | SV beat to beat | Training |
|------------------------|--------------|-------------------------|----------|--------------|--------------|------|----------|-----------------|----------|
| USCOM 1A               | Uscom        | Doppler                 | <b>√</b> | 1            | 1            | 1    | ✓        | ✓               | 1        |
| CardioQ                | Deltex       | Doppler                 | 1        | ×            | 1            | ×    | 1        | ×               | ×        |
| Echo                   | Many         | Ultrasound              | 1        | ✓            | ×            | ×    | 1        | ×               | ×        |
| ICON / Aesculon        | Osypka       | Bio Impedance           | ×        | 1            | 1            | X    | 1        | ×               | 1        |
| NiCOM                  | Cheetah      | Bio Reactance           | ×        | 1            | 1            | X    | 1        | ×               | 1        |
| Clearsight<br>(Nexfin) | Edwards      | PPW / BP /<br>Plethysmo | ×        | ✓            | $\checkmark$ | 1    | 1        | ×               | 1        |
| LiDCO                  | LiDCO        | LiCl dilution + PPW     | 1        | ×            | ×            | ×    | ×        | ×               | ×        |
| LiDCOrapid             | LiDCO        | PPW / BP                | ×        | ×            | 1            | ×    | ×        | ×               | ×        |
| PiCCO                  | Pulsion      | PPW / BP Modified<br>Tx | 1        | ×            | ×            | ×    | ×        | ×               | ×        |
| FloTrac                | Edwards      | PPW                     | ×        | ×            | ×            | ×    | ×        | ×               | ×        |
| PAC                    | Many         | Thermodilution          | ×        | ×            | ×            | ×    | ×        | ×               | ×        |







Australian Made (~) USD 2,950





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Monitor ± Reporter



Aortic Waveform

Physical Form

# NO COMPETITION

Central blood pressure is the new gold standard measure for the detection and management of cardiovascular diseases. The BP+ and BP+ Reporter is the ideal cardiovascular research combination for the home, clinic or research laboratory.

**BP+** - Revolutionizing Hypertension



## BP+ COMPETITORS



| USD 2,950                     | USD 6,000              | USD 7,000              | USD 7,000              |                     | USD 3,200                      | USD 14,000        | USD 3,200                       |
|-------------------------------|------------------------|------------------------|------------------------|---------------------|--------------------------------|-------------------|---------------------------------|
| 45 seconds                    | 2 min                  | 2 min                  | 2 min                  | A few sec +<br>prep |                                | 1 min             |                                 |
| Stand-alone ±<br>BP+ Reporter | Needs<br>computer      | ABP, needs<br>computer | ABP, needs<br>computer | Needs<br>computer   | ABP, needs<br>computer for cBP | Needs computer    | ABP, needs<br>computer for cBP  |
| CE, FDA, TGA,<br>CFDA *       | CE                     | CE                     | CE, FDA                | CE                  | CE, FDA                        | CE, FDA, TGA      | CE, cBP not<br>available in USA |
| Aortic waveform               | Central systolic<br>BP | Rough<br>waveform      | Rough<br>waveform      |                     | Rough waveform                 | Rough waveform    |                                 |
| Physical model                | Statistical regression | Transfer<br>function   | Transfer<br>function   |                     | Transfer function              | Transfer function |                                 |







Australian made

**USD** 1,890



Accurate/auto calibration



FreeFlo sensor/Reporter/SpO2

Hygeinic

## NO COMPETITION

The SpiroSonic Ultrasonic spirometer uses high fidelity multi-path ultrasound for pulmonary function testing.

#### SpiroSonic - For Every Breath You Take



## SPIROSONIC COMPETITORS













| Uscom SpiroSonic  | Welch Allyn            | Schiller               | Sibelmed               | Vitalograph            | MIR   | Carefusion             | NDD                            |
|---|------------------------|------------------------|------------------------|------------------------|---|------------------------|--------------------------------|
| Australia   | USA                    | Switzerland            | Spain                  | USA                    | Italy   | USA                    | Switzerland                    |
| SpiroSonic  | SpiroPerfect           | Spirovit SP-1          | Dataspir<br>Touch      | Pneumotrac             | Spirodoc                                      | Microloop              | EasyOne PLus                   |
| USD 1,890   | USD 2,100              | USD 1,850              | USD 2,300              | USD 2,030              | USD 1,580                                     | USD 2,180              | USD 1,990                      |
| Dual Path<br>Ultrasound   | Diff Pressure          | Diff Pressure          | Turbine                | Diff Pressure          | Turbine                                       | Turbine                | Single Path<br>Ultrasound      |
| Accurate<br>Auto calibration<br>SpiroReporter<br>Fully digital<br>FreeFlo sensor<br>Hygeinic<br>SpO2<br>Bluetooth<br>Rechargeable | Multiple<br>iterations | Multiple<br>iterations | Multiple<br>iterations | Multiple<br>iterations | Multiple iterations<br>Consumable<br>turbines | Multiple<br>iterations | Accurate<br>Consumable<br>tube |

#### 2018 ANNOUNCEMENT

- **OCT** New ICU evidence for USCOM 1A sepsis and fluid
- OCT BP+ product release
- OCT \$130K Euro grant
- **NOV** BP+ Reporter release
- **NOV** New BP+ Hypertension evidence
- **NOV** New USCOM Pre-eclampsia evidence
- NOV Uscom GSA Approval
- **NOV** BP+ sales

JA

- \$500K Aus R&D rebate
- BP+ European distribution agreements
- International eHealth BP+ sale/partnership
- JAN Pharma and CRO BP+ Sales
- JAN China eH I th heart failure study FEB New list putor agreements
- MAR SpiroSonic FDA

BP+ CF

## LOOKING FORWARD

FY18 is planned to be another year of growth.



## USCOM MEDIA

"Medical device company Uscom says it has revolutionised the way hypertension and heart failure are monitored, with the release of new technology to assess blood pressure."

The Australian, 30<sup>th</sup> October 2017







#### USCOM NEWS

Great opportunity to join The Premier of NSW, The Hon Gladys Berejiklian, the NSW Minister for Health and Medical Research, The Hon Brad Hazzard, and the Governor of Guangdong Mr Ma Xingrui as a Health and Medical Devices delegate at the NSW Delegation to the 26th NSW-Guangzhou Joint Economic Meeting on the 5th December in Guangzhou, China. "Companies like...Uscom are selling product world-wide and earning highly significant export income and all are on the verge of moving from losses to sustainable profits."

BioTech Daily Sep 2017

Medical device maker USCOM has China in focus as it nears profitability.

Financial Review, Jan 2017

## FOUNDER-RUN

"Research suggests that founder-run businesses outperformed the broader market. This seems intuitive, with firms like Amazon, Facebook, and Google being among the strongest performers in the world in recent years. Closer to home, Seek, Harvey Norman, Flight Centre, and Nick Scali have all been successful founder-run businesses. We think there are some important lessons here."

Livewire Markets' Weekend Edition, 18 November 2017



## SMALL CAPS

"The case for small caps to structurally outperform is stronger than ever. Reasons for this include:

- The high level of inside ownership & alignment with investors
- The leverage smalls have to M&A
- Smalls are typically less researched than large caps which give investors an 'information bias' if they do the work
- Leveraging technology"

David Allingham, Eley Griffiths, Livewire Markets' Weekend Edition, 18 November 2017





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