

Hear now. And always

ASX / MEDIA RELEASE

4 MAY 2018

COCHLEAR HOSTS INVESTOR DAY

Cochlear Limited, Sydney, 4 May 2018 (ASX:COH): Cochlear Limited is today hosting analysts to an investor day at its global headquarters in Macquarie University. A copy of the management presentations is attached and includes:

Overview of strategic priorities	Dig Howitt CEO & President
Cochlear Research & Development	Jan Janssen Chief Technology Officer
Sound processor development	Keith Walsh Head of Sound Processors & Connectivity
Connected care	Derek Minihane Vice President, Sound Processors & Clinical Care
Building towards standard of care in adults & seniors	Dr David Cade Chief Medical Officer
Cochlear's Europe, Middle East & African business	Richard Brook President, EMEA & Latin American Region

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Notes

Forward looking statements

Cochlear advises that these presentation slides contain forward looking statements which may be subject to significant uncertainties outside of Cochlear's control. No representation is made as to the accuracy or reliability of forward looking statements or the assumptions on which they are based. Actual future events may vary from these forward looking statements and you are cautioned not to place undue reliance on any forward looking statement.

Non-IFRS financial measures

Given the significance of foreign exchange movements, the directors believe the presentation of the non-IFRS financial measure, constant currency, is useful for the users of this document as it reflects the underlying financial performance of the business. This non-IFRS financial measure has not been subject to review or audit. However, KPMG has separately undertaken a set of procedures to agree the non-IFRS financial measures disclosed to the books and records of the group.

Constant currency

Constant currency removes the impact of exchange rate movements to facilitate comparability of operational performance for Cochlear. This is done by converting the prior comparable period net profit of entities in the group that use currencies other than Australian dollars at the rates that were applicable to the current period (translation currency effect) and by adjusting for current year foreign currency gains and losses (foreign currency effect). The sum of translation currency effect and foreign currency effect and to which reported EBIT and net profit is adjusted to calculate the result at constant currency.

Disclaimer

Please note that products referenced in this presentation may not be approved or may be subject to restrictions in some regions. Any description of device usage is provided for the purpose of sharing scientific knowledge and is not a recommendation or promotion of unapproved product, off-label use or indication of product. Cochlear does not endorse any particular treatment protocol.

Legal disclaimer

Please seek advice from your medical practitioner or health professional about treatments for hearing loss. They will be able to advise on a suitable solution for the hearing loss condition. All products should be used only as directed by your medical practitioner or health professional. Not all products are available in all countries. Please contact your local Cochlear representative.



Strategic priorities Dig Howitt, CEO & President



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Our mission



Cochlear



Hearing loss is prevalent and under-treated



The WHO estimates that over 5% of the world's population – 466 million people – has a disabling¹ hearing loss. By 2050 this is expected to rise to over 900 million people – or one in every ten people².

>460,000,000



1 in 3

Nearly 1 out of every 3 people over the age of 65 is affected by hearing loss. It affects communication and can contribute to social isolation, anxiety, depression and cognitive decline³.

>7,500,000

people could benefit from a cochlear implant to treat severe to profound hearing loss across Cochlear's target segments of children globally and seniors in the developed world⁴.

<5%

market penetration of cochlear implants⁵.

Strategic priorities



Retain market leadership

- Market-leading technology
- World-class customer experience



Grow the hearing implant market

- Awareness
- Market access
- Clinical evidence



Deliver consistent revenue & earnings growth

- Invest to grow
- Operational improvement
- Strong financial position







Providing a **world-class customer experience** creates a brand halo for candidates and drives our Services business

Convenience and confidence

· Easy to use products and

Wireless connectivity

Ease of access for

services

support

· Rehab tools

Engagement

- Cochlear Family connecting recipients with Cochlear
- Growing volunteer network building awareness and increasing candidate confidence
- Recipient engagement
 improves upgrade penetration



Lifetime relationship

- Improving technology with each generation of sound processor
- Backward compatibility of sound processors with prior generation implants
- · New products and services



Grow the hearing implant market



Strategies to improve awareness and access vary by segment

Adults & seniors developed markets



Biggest market potential and the most challenging to penetrate

Current penetration[®]: ~3%

Children eveloped markets



Cochlear implants have been established as the standard of care for newborns⁷ across many developed markets

Current penetration[®]: ~60%

Children emerging markets



Long term growth potential as wealth increases

Current penetration⁶: ~10%









Build on the **clinical evidence** that demonstrates the effectiveness of our products, particularly for seniors

- Higher incidence of hearing loss in seniors (over 65s)⁸
- Growing understanding of the link between high levels of hearing loss and social isolation, depression and cognitive decline⁹
- Growing evidence of the superior outcomes of cochlear implants over hearing aids for many people with a severe hearing loss (>70dB)¹⁰
- Increasing our investment in research, health economics and collaborative partnerships to better confirm and communicate the impacts
- Building stronger awareness and access for those affected















Jan Janssen, Chief Technology Officer



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Cochlear's mission We help people hear and be heard. We **empower** people to connect with others and live a full life. We **transform** the way people understand and treat hearing loss. We **innovate** and bring to market a range of implantable hearing solutions that deliver a lifetime of hearing outcomes.



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market penetration of cochlear implants⁵.











Global innovation network

- Over 350 R&D staff in international locations
- Main R&D site co-located with Australian Hearing Hub
- Over 100 Research Partners in over 20 countries
- Global network of Design Partners and Suppliers































Keith Walsh, Head of Sound Processors & Connectivity Hear now. And always



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Connected care Derek Minihane, VP, Sound Processors & Clinical Care



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Continuing wireless evolution







And wireless for the audiologist











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Artificial intelligence trending

- Artificial intelligence will redesign health care delivery
 - Boston Children's Hospital launches cloud-based education on Amazon Alexa-enabled devices





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X-ray of a hand, with automatic calculation of bone age by a computer software.









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Cochlear implants are well established as the standard of care for children in developed markets



Key barriers need to be addressed		
	Key Barriers	Description
Adults & seniors developed markets	Low CI candidate awareness & acceptance	 Poor awareness of CI technology Many get 'stuck' in the hearing aid channel, receiving progressively more powerful hearing aids Older candidates more likely to accept hearing loss as 'part of getting old' and be less willing to seek treatment (especially if gradual onset hearing loss)
	Low provider understanding of CI & the treatment pathway	 There is often a poor understanding of CI indications by referrers (e.g. GP and hearing aid audiologists) Many view CI as a niche technology for children Unclear CI treatment pathway – provider fear of incorrectly referring Lack of evidence of effectiveness of CI versus hearing aids











Increasing awareness of the shear global burden of hearing loss

The World Health Organisation (WHO) and the Lancet reporting on the size and cost of untreated hearing loss

- >460M people with disabling hearing loss
- >5% of global population
- Expected to reach >900M people with disabling hearing loss by 2050
- WHO estimates the global cost of untreated hearing loss at \$750bn pa
- Recognition that cochlear implants are a costeffective intervention

Reference: Wilson B, et al. Lancet, July 2017 and World Health organisation report - 'Global costs of unaddressed hearing loss and cost-effectiveness of interventions'



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Increasing awareness of hearing loss' association with other health impacts



Hearing loss is associated with disease states that carry significant public health impacts



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Clinical evidence is important for successful market access and reimbursement

- Consumers a reason to act
 - Awareness and advocacy
 - Investment in building capability across the business
- Professionals a reason to refer
 - Standard of Care for adults & seniors
 - Research collaborations (John Hopkins, Macquarie Uni)
 - Building the evidence (clinical trials into cognition and hearing aids v CI)

Payers – a reason to pay

- Expand indications/access
- Broadening candidacy criteria
- Lifting funding caps
- Broader bilateral funding

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DTC Example Hear more campaign – UK

- Initial aim = to enable informative connections with candidates and their families
 - Important to be light on product, with a focus on helping to inform and provide link(s) to others
 - Utilising a range of "Nurture" emails over a period of time to avoid tech overload
- Complemented by promotion of outcomes and possibilities via various social media channels and tools
 - Adapted for web and mobile devices
- Timely and informative exchanges:
 - Hearing Health brochure
 - Hearing Situations Questionnaire
 - Audiology Appointment Guide
 - o Surgery Guide
 - Accessory Guide









Summary of key priorities for Cochlear EMEA Awareness & Access

EMEA developed markets – building awareness and access for adults & seniors

- · Working to support cochlear implants the standard of care
- · Demonstrate the positive economics of treating age related hearing loss
- · Demonstrate that functional hearing is essential to enable healthy (and cost effective) ageing
- · Focus on increasing referrals direct-to-consumer information, hearing aid channel links
- · Opportunity to further expand indications and reimbursement in certain markets

EMEA emerging - market expansion focussed on paediatrics

- · Build awareness public education, social media marketing, support of hearing screening
- · Expansion of funding highlight the compelling health economics of CI in children
- Expand presence with distributors, combined with an expanding "hybrid" Cochlear presence
- · Invest in training and development of professional capabilities
- Maximise penetration through tiered product & service offering

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...and finally...

- A significant and ongoing opportunity to raise the profile and importance of hearing across all of Cochlear EMEA's markets, both in developed and emerging economies
- For the first time in 22 years, that WHA has adopted a resolution on hearing
- An important complement to the market access and awareness initiatives that are central to Cochlear's work across EMEA

