

FOR PROFESSIONALS



Cochlear™ Nucleus® System **Reliability Report**

Volume 19 | December 2020

Reporting to European Consensus Statement,
International Classification of Reliability,
ANSI/AAMI CI86 Standard and ISO 5841-2.

A message from our CEO

As Cochlear turns 40, we are celebrating the hundreds of thousands of people we've helped connect to life's opportunities through hearing. More than four decades after Professor Graeme Clark's dream of restoring access to hearing was realised we continue to be inspired by our recipients, the professionals who dedicate their lives to helping people hear, the family and friends who support loved ones on their hearing journey, and the organisations who advocate tirelessly for people living with hearing loss.

Our commitment to innovation and empowering people to connect with others provides a strong foundation to help our recipients and professional partners navigate the challenges of COVID-19. We have prioritised keeping recipients connected and hearing by adapting the way we deliver services and support, including increased investment in digital and online products.

I want to thank our professional partners, recipients and employees for the energy, resilience and compassion they show in responding to COVID-19. I am proud of how we work together to keep our recipients hearing – or to help them hear for the first time – during these challenging circumstances. Together we can continue Graeme's dream and bring hearing to those who need it over the next 40 years.

A handwritten signature in black ink, appearing to read 'Dig Howitt', with a stylized flourish at the end.

Dig Howitt
CEO & President

About this report

This report provides reliability data for the internal (cochlear implant) and external (sound processor) components of our Nucleus® Implant Systems.

Implant reliability data

The implant data in this report is based on the reporting methodology recommended by *International Standard ISO 5841-2*^{1,2}, the reporting principles outlined in the *European Consensus Statement on Cochlear Implant Failures and Explantations*³ and expert recommendations from the *International Classification of Reliability for Implanted Cochlear Implant Receiver Stimulators*.⁴ This report meets the standards for cochlear implant reliability reporting outlined in these standards.

For implant reliability data which meets the reporting standards and methodology recommended by *ANSI/AAMI CI86 – Cochlear implant systems: Requirements for safety, functional verification, labeling and reliability reporting*⁵, please visit www.cochlear.com/intl.

Sound processor reliability data

The sound processor data in this report meets the reporting standards and methodology recommended by *ANSI/AAMI CI86 – Cochlear implant systems: Requirements for safety, functional verification, labeling and reliability reporting*.⁵

For the latest sound processor reliability data, please visit www.cochlear.com/intl.

Reliability data for the Kanso® 2 Sound Processor will be available in September 2021.

Implant reliability

Why implant reliability matters

Longevity is an important factor when choosing an implant, especially if you are choosing for a child. When considering a cochlear implant, you should have access to the latest data on short and long term reliability, including success and failure rates for both adults and children.

What is Cumulative Survival Percentage (CSP)?

CSP is the metric used in this report to measure implant reliability. CSP provides information regarding the reliability of each make and model of implant over time.

CSP tells you the cumulative percentage of functioning implants over a given time period. For example, a CSP of 99% after five years means the chance of obtaining continued benefit from the cochlear implant, as described for its intended use, is 99% after five years. Put another way, the implant is 99% reliable within five years.

Calculation of CSP

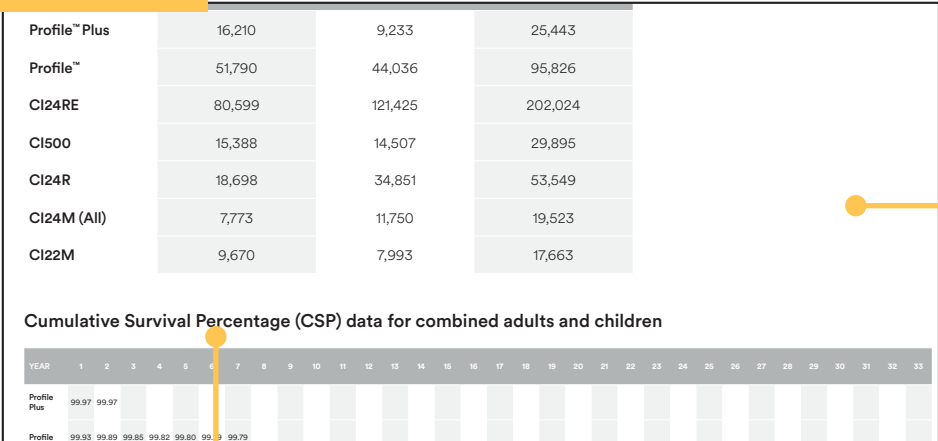
In this report, CSP includes both device and accident-related issues.

The reliability calculations used in this report are in accordance with the *International Standard ISO 5841-2*.^{1,2} They are probability calculations, which use a modified Actuarial Analysis estimator. This data estimates the probability of survival within a period of time and is represented as CSP.

How are the results shown?

What data is in this report?

The data in this report covers the entire life of implant models and registered implants* worldwide.



What is combined data?

Combined data is the cumulative survival percentage of both adults and children populations combined.

How are results shown?

Results for adults and children are shown separately with 95% confidence intervals (I) as stipulated by the consensus statement.³

* An implant is registered with Cochlear when the recipient/clinic/hospital submits the registration of the implanted device. Implant registrations often lag behind surgery dates.

Over 440,000 registered Cochlear™ Nucleus® implants worldwide

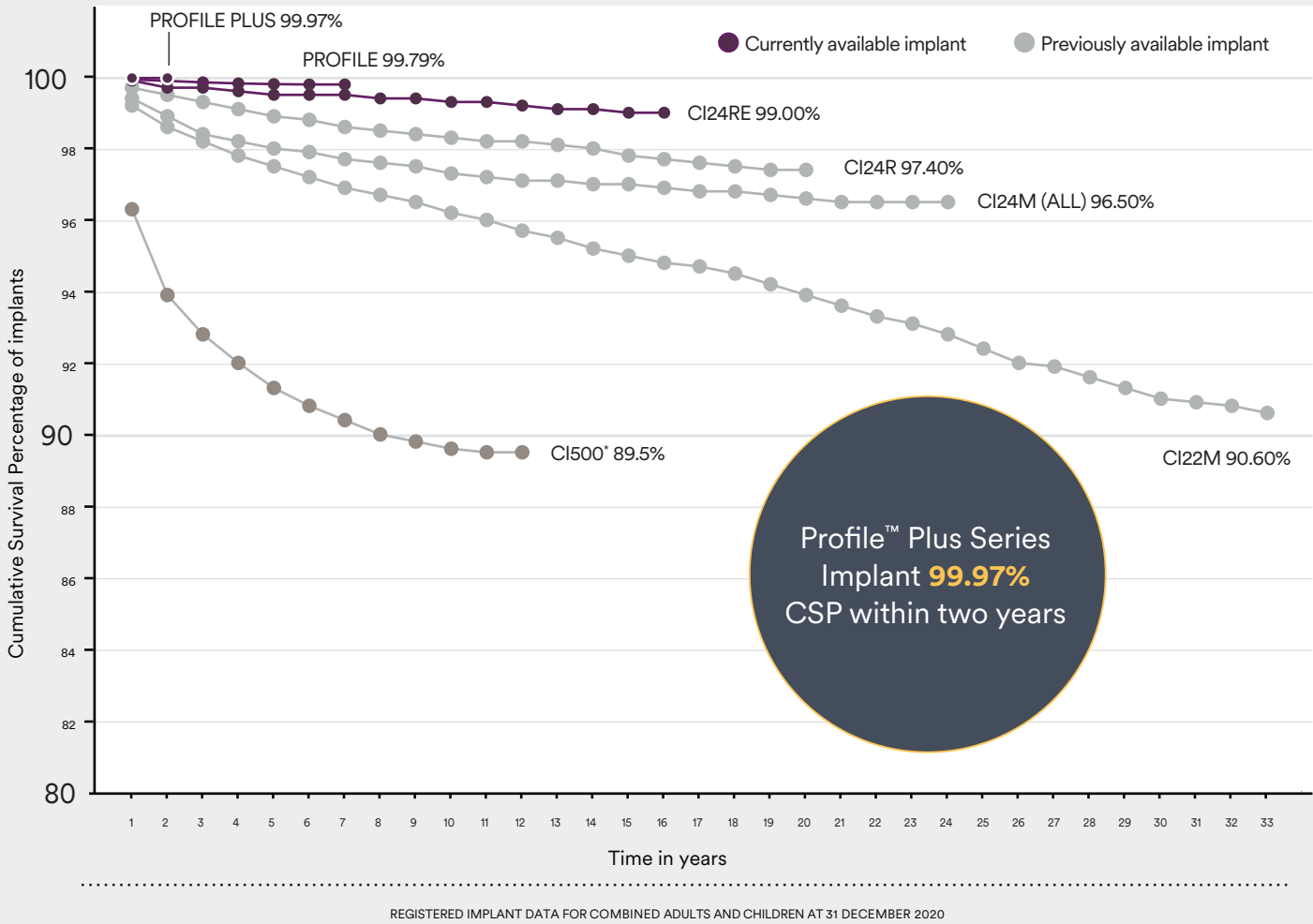
Number of registered implants - 31 December 2020

DEVICE	ADULTS	CHILDREN	COMBINED
Profile™ Plus	16,210	9,233	25,443
Profile™	51,790	44,036	95,826
CI24RE	80,599	121,425	202,024
CI500	15,388	14,507	29,895
CI24R	18,698	34,851	53,549
CI24M (All)	7,773	11,750	19,523
CI22M	9,670	7,993	17,663

Cumulative Survival Percentage (CSP) data for combined adults and children

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Profile Plus	99.97	99.97																															
	99.93	99.89	99.85	99.82	99.80	99.79	99.79																										
Profile	99.93	99.89	99.85	99.82	99.80	99.79	99.79																										
CI24RE	99.90	99.70	99.70	99.60	99.50	99.50	99.50	99.40	99.40	99.30	99.30	99.20	99.10	99.10	99.00	99.00																	
CI500	96.30	93.90	92.80	92.00	91.30	90.80	90.40	90.00	89.80	89.60	89.50	89.50																					
CI24R	99.70	99.50	99.30	99.10	98.90	98.80	98.60	98.50	98.40	98.30	98.20	98.20	98.10	98.00	97.80	97.70	97.60	97.50	97.40	97.40													
CI24M (All)	99.40	98.90	98.40	98.20	98.00	97.90	97.70	97.60	97.50	97.30	97.20	97.10	97.10	97.00	97.00	96.90	96.80	96.80	96.70	96.60	96.50	96.50	96.50	96.50									
CI22M	99.20	98.60	98.20	97.80	97.50	97.20	96.90	96.70	96.50	96.20	96.00	95.70	95.50	95.20	95.00	94.80	94.70	94.50	94.20	93.90	93.60	93.30	93.10	92.80	92.40	92.00	91.90	91.60	91.30	91.00	90.90	90.80	90.60

Nucleus Implant Reliability



* Voluntarily recalled in September 2011.
CSP includes both device and accident-related issues.

Nucleus® Profile™ Plus Series Implant

Number of registered Profile™ Plus Series Implants - 31 December 2020

ADULTS	CHILDREN	COMBINED
16,210	9,233	25,443



Cochlear’s latest implant, the Profile Plus Series, builds on the thin design of the Profile Series Implant and provides access to MRI at 1.5 Tesla and 3.0 Tesla.

Commercially released in 2019, the Profile Plus Series Implant has delivered a combined Cumulative Survival Percentage of 99.97% within two years.

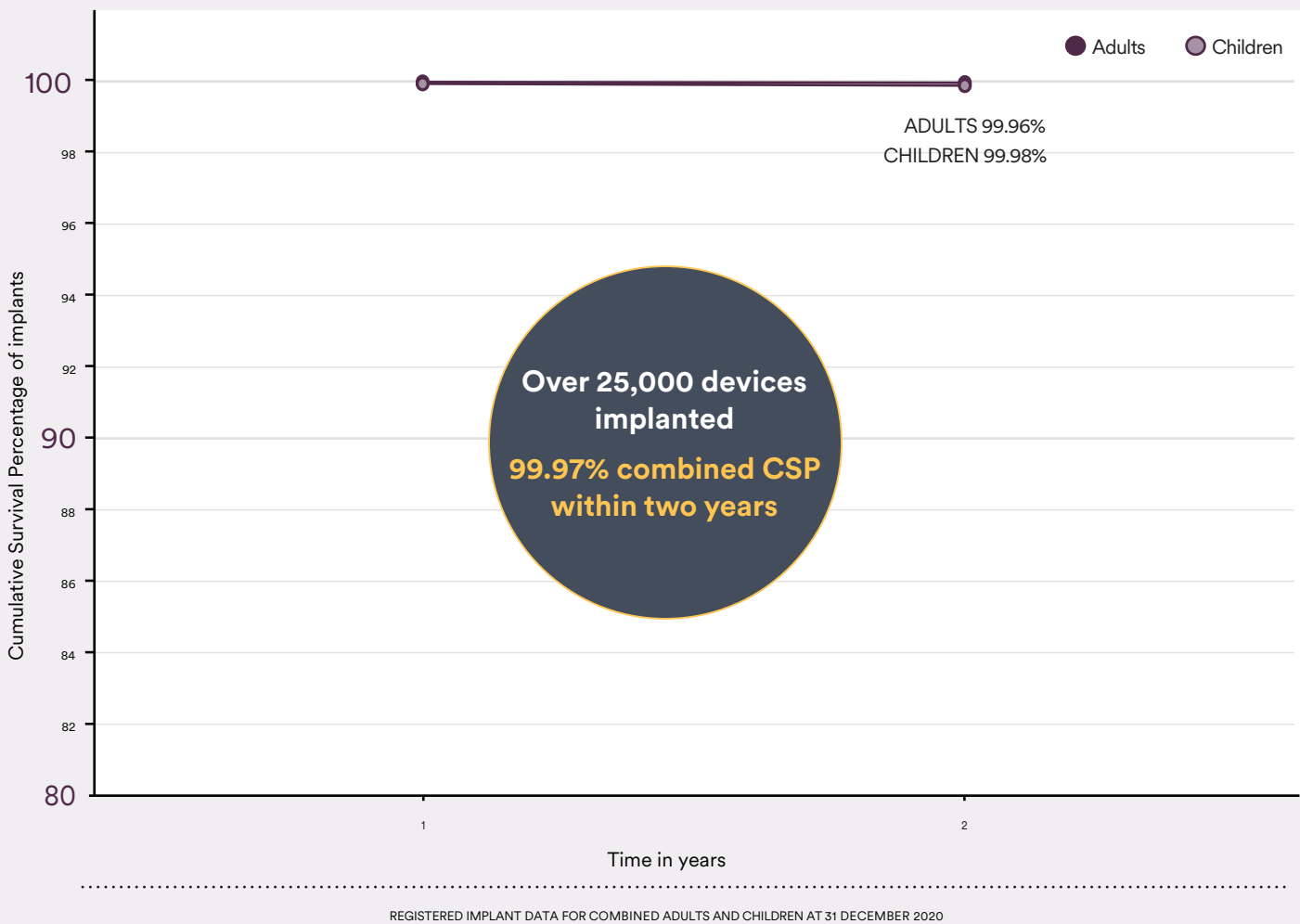
Profile Plus Series Implant Cumulative Survival Percentage

YEAR	1	2
Adults	99.96	99.96
Children	99.98	99.98
Combined	99.97	99.97

Cochlear Nucleus Profile Plus Implant with Slim Modiolar Electrode (CI632)



Profile Plus Series Implant Reliability



Confidence intervals smaller than 0.1% may not be clearly visible in the graphs.
CSP includes both device and accident-related issues.

Nucleus Profile Series Implant

Number of registered Profile Series Implants - 31 December 2020

ADULTS	CHILDREN	COMBINED
51,790	44,036	95,826



At only 3.9 mm, the Profile Series Implant was commercially released in 2014 with a thin and discreet design.

The Profile Series Implant sets the standard in implant reliability with a 99.79% combined Cumulative Survival Percentage within seven years.

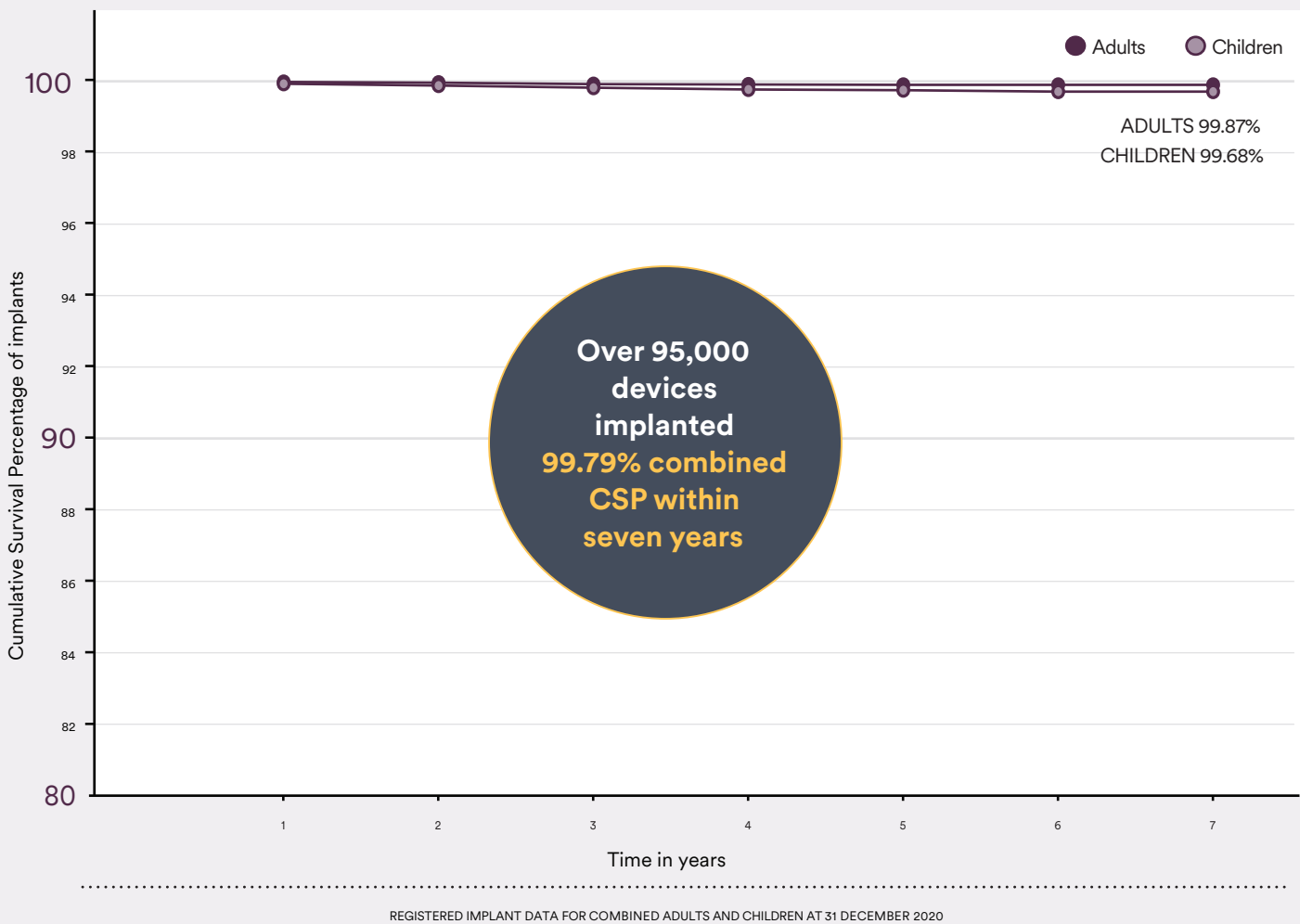
Profile Series Implant Cumulative Survival Percentage

YEAR	1	2	3	4	5	6	7
Adults	99.95	99.93	99.89	99.88	99.87	99.87	99.87
Children	99.90	99.85	99.79	99.74	99.72	99.68	99.68
Combined	99.93	99.89	99.85	99.82	99.80	99.79	99.79

Cochlear Nucleus Profile Implant with Slim Modiolar Electrode (CI532)



Profile Series Implant Reliability



Confidence intervals smaller than 0.1% may not be clearly visible in the graphs.
CSP includes both device and accident-related issues.

Nucleus CI24RE Series Implant

Number of registered CI24RE Series implants - 31 December 2020

ADULTS	CHILDREN	COMBINED
80,599	121,425	202,024

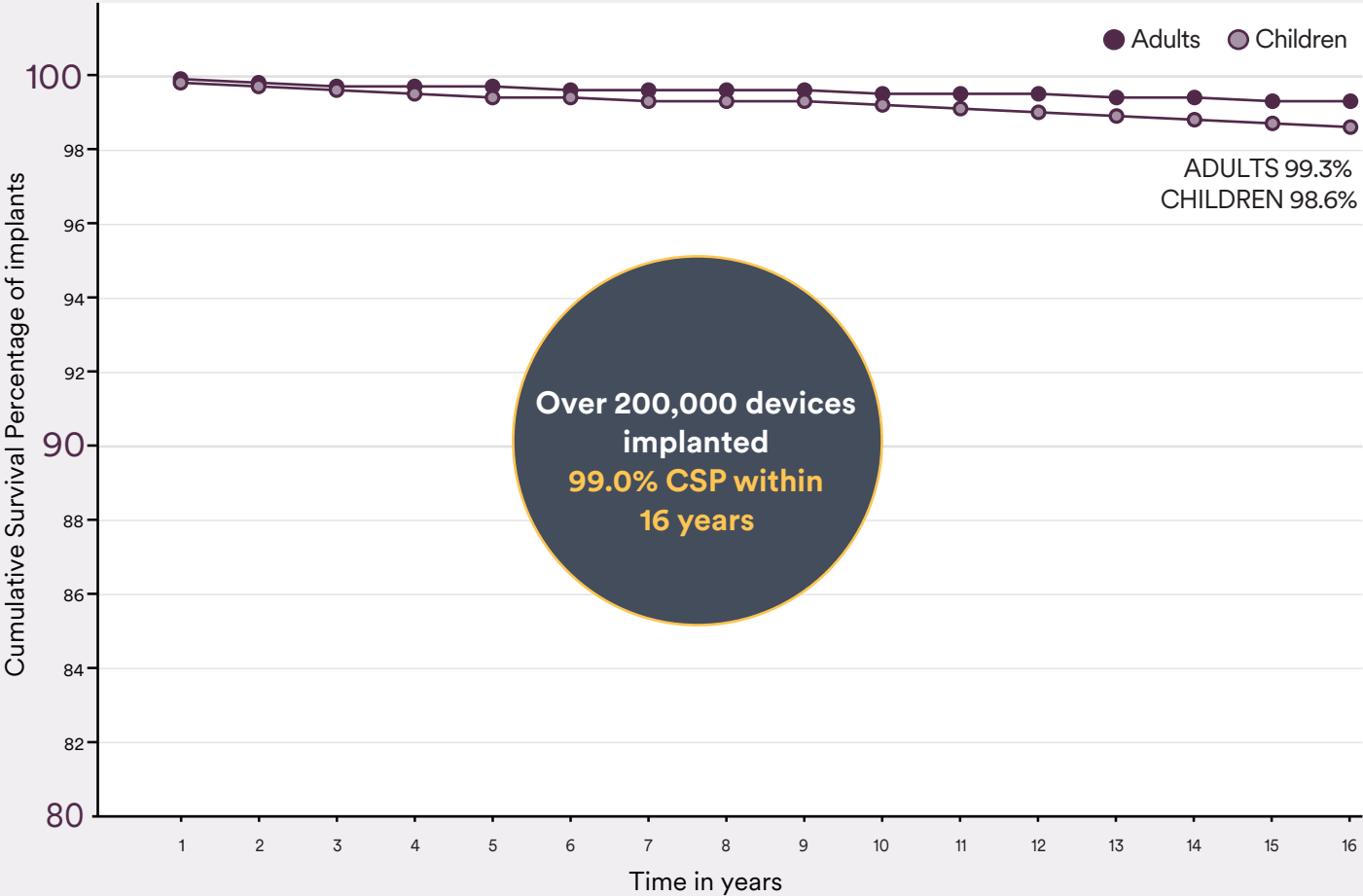


Released in 2005, it has a 99.00% combined Cumulative Survival Percentage within 16 years.

CI24RE Series Cumulative Survival Percentage

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Adults	99.90	99.80	99.70	99.70	99.70	99.60	99.60	99.60	99.60	99.50	99.50	99.50	99.40	99.40	99.30	99.30
Children	99.80	99.70	99.60	99.50	99.40	99.40	99.30	99.30	99.30	99.20	99.10	99.00	98.90	98.80	98.70	98.60
Combined	99.90	99.70	99.70	99.60	99.50	99.50	99.50	99.40	99.40	99.30	99.30	99.20	99.10	99.10	99.00	99.00

CI24RE Series Reliability



REGISTERED IMPLANT DATA FOR ADULTS AND CHILDREN AT 31 DECEMBER 2020

Confidence intervals smaller than 0.1% may not be clearly visible in the graphs.
CSP includes both device and accident-related issues.



**Previously available
implants**

Nucleus® CI500 Series Implant



Number of registered CI500 Series implants - 31 December 2020

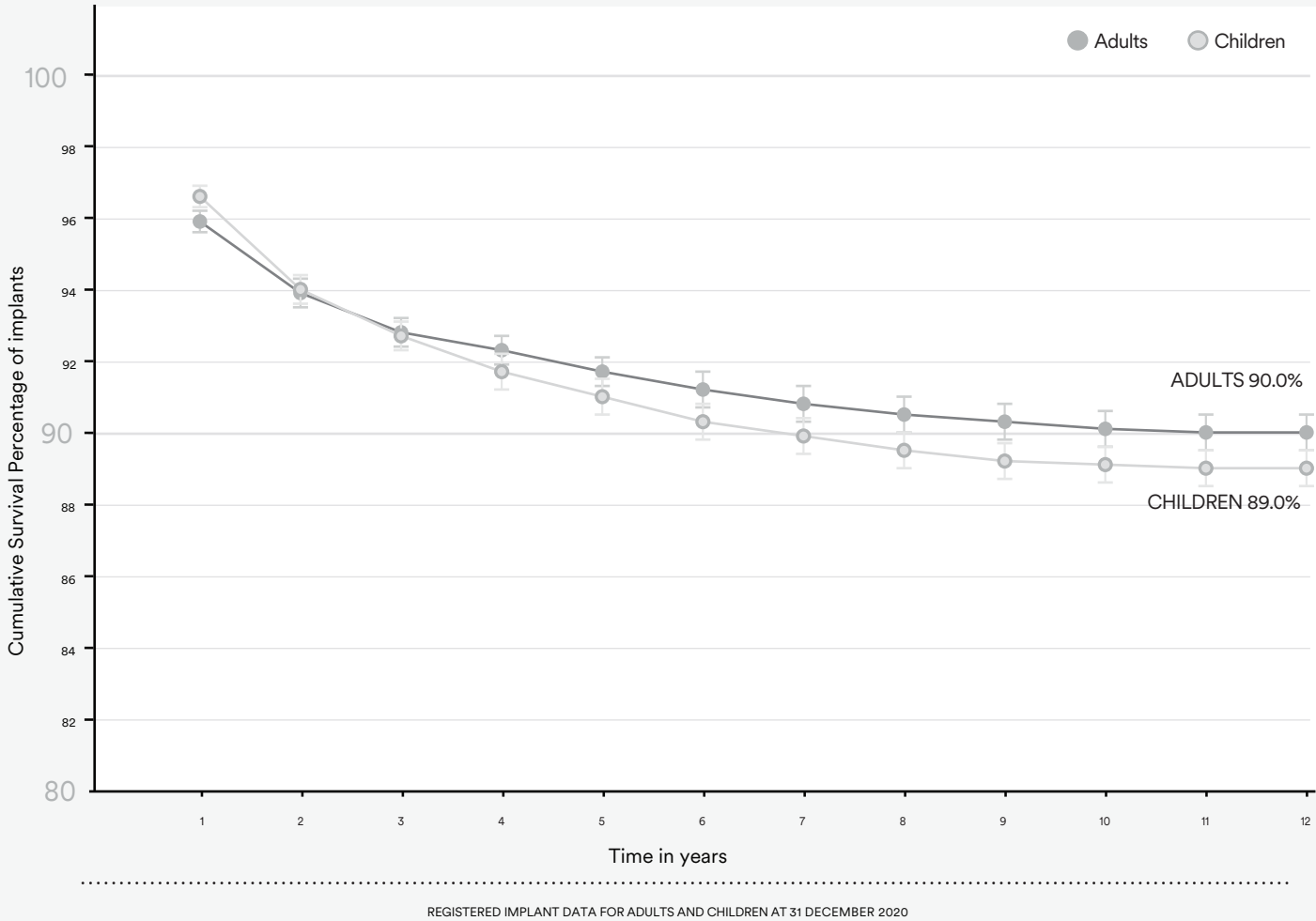
ADULTS	CHILDREN	COMBINED
15,388	14,507	29,895

Released in 2009, the CI500 Series has a combined Cumulative Survival Percentage of 89.5% within 12 years. The CI500 Series was voluntarily recalled in September 2011.

CI500 Series Cumulative Survival Percentage

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
Adults	95.90	93.90	92.80	92.30	91.70	91.20	90.80	90.50	90.30	90.10	90.00	90.00
Children	96.60	94.00	92.70	91.70	91.00	90.30	89.90	89.50	89.20	89.10	89.00	89.00
Combined	96.30	93.90	92.80	92.00	91.30	90.80	90.40	90.00	89.80	89.60	89.50	89.50

CI500 Series Reliability



Confidence intervals smaller than 0.1% may not be clearly visible in the graphs.
CSP includes both device and accident-related issues.

Nucleus CI24R Implant

Number of registered CI24R implants - 31 December 2020

ADULTS	CHILDREN	COMBINED
18,698	34,851	53,549

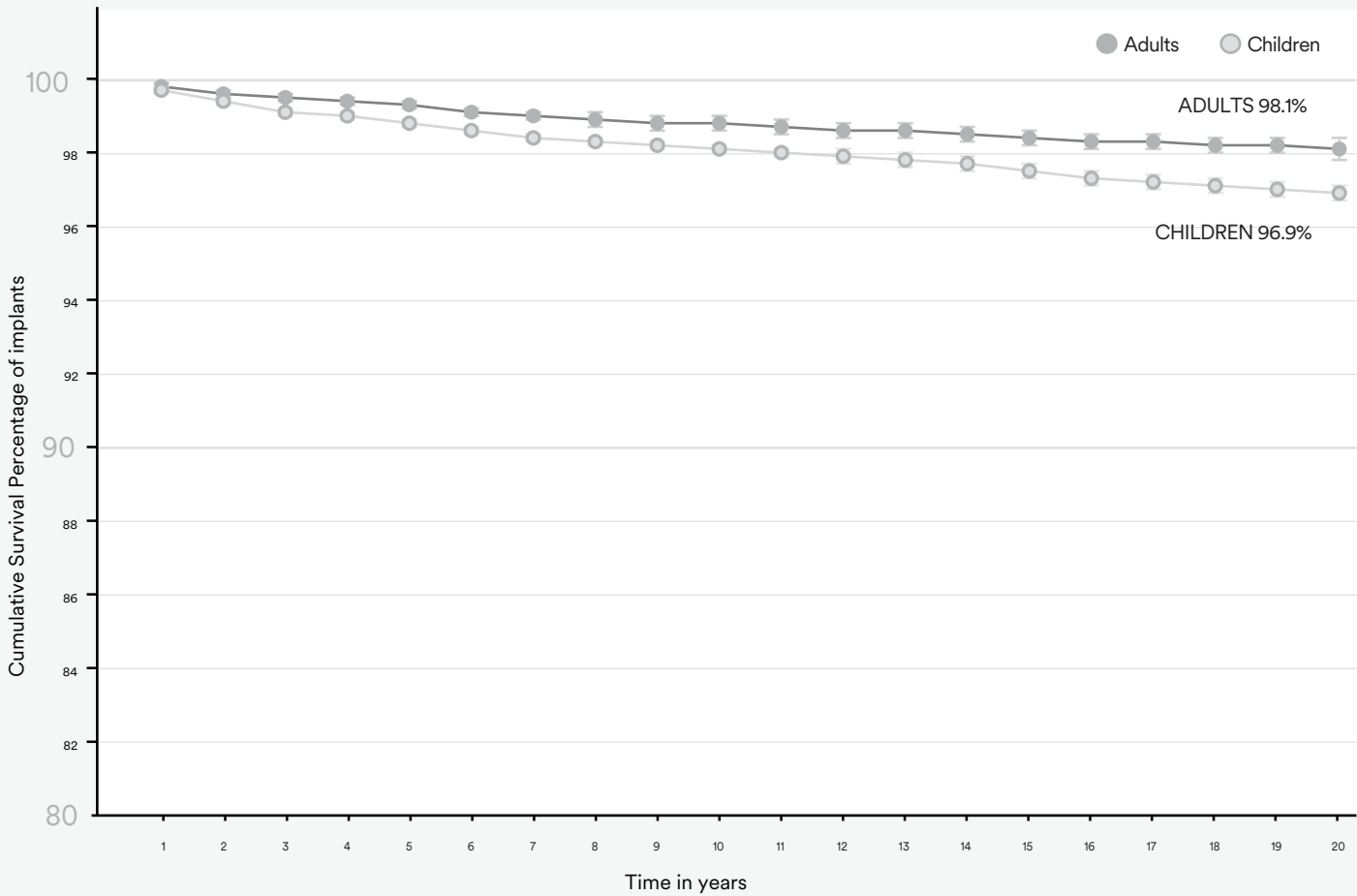


The CI24R was released in 2000 with perimodiolar (Contour Advance®) and straight electrodes. Within 20 years, the CI24R implant has a combined Cumulative Survival Percentage of 97.40%.

CI24R Cumulative Survival Percentage

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Adults	99.80	99.60	99.50	99.40	99.30	99.10	99.00	98.90	98.80	98.80	98.70	98.60	98.60	98.50	98.40	98.30	98.30	98.20	98.20	98.10
Children	99.70	99.40	99.10	99.00	98.80	98.60	98.40	98.30	98.20	98.10	98.00	97.90	97.80	97.70	97.50	97.30	97.20	97.10	97.00	96.90
Combined	99.70	99.50	99.30	99.10	98.90	98.80	98.60	98.50	98.40	98.30	98.20	98.20	98.10	98.00	97.80	97.70	97.60	97.50	97.40	97.40

CI24R Reliability



REGISTERED IMPLANT DATA FOR ADULTS AND CHILDREN AT 31 DECEMBER 2020

Confidence intervals smaller than 0.1% may not be clearly visible in the graphs.
CSP includes both device and accident-related issues.

Nucleus CI24M Implant

Number of registered CI24M implants - 31 December 2020

	ADULTS	CHILDREN	COMBINED
ALL	7,773	11,750	19,523
POST	6,071	9,225	15,296

Released in 1997, the CI24M implant was the world’s first cochlear implant with a removable magnet for MRI compatibility.

Within 24 years, the CI24M implant has a combined Cumulative Survival Percentage of 96.50%.



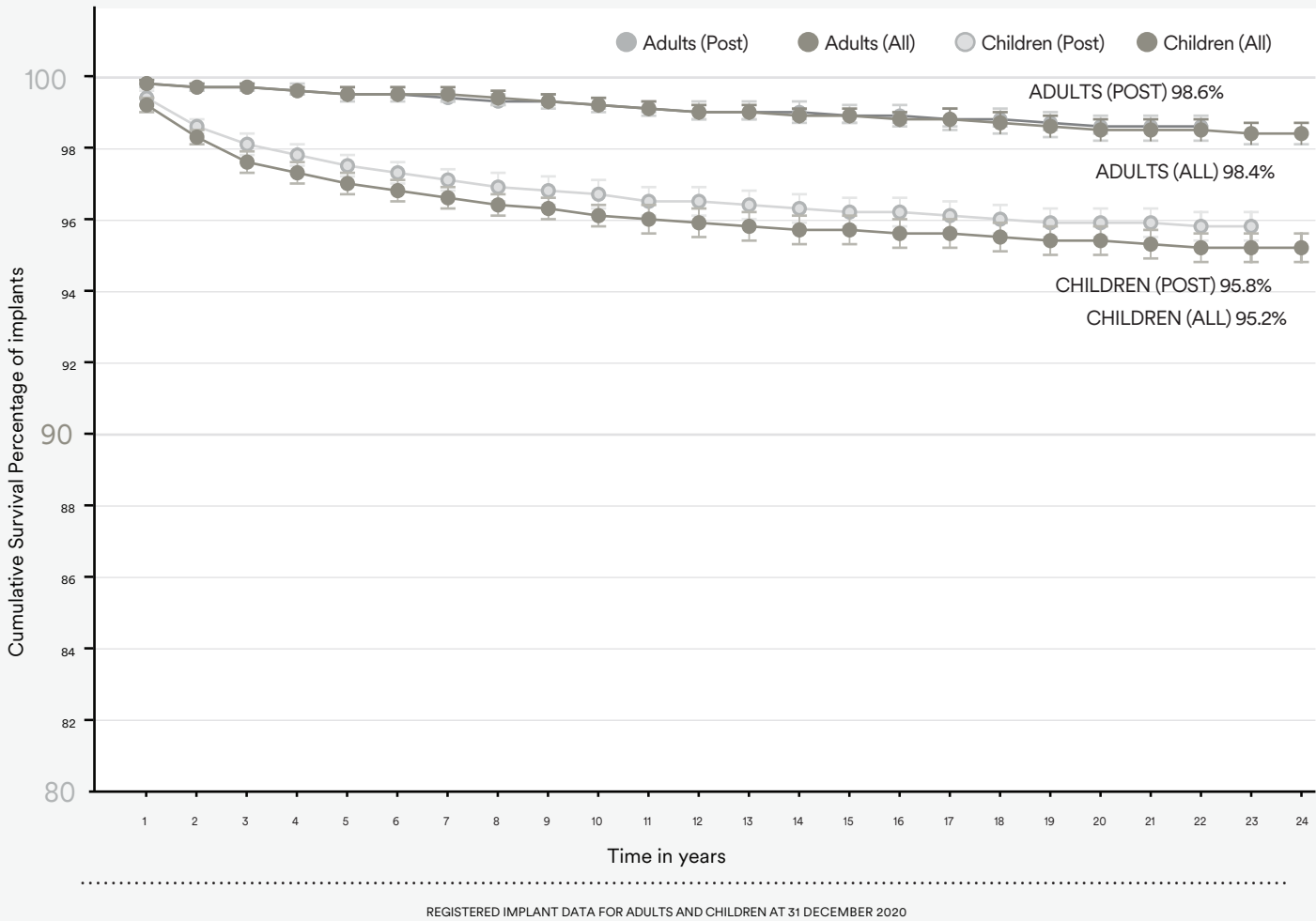
CI24M Cumulative Survival Percentage

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Adults (All)	99.80	99.70	99.70	99.60	99.50	99.50	99.50	99.40	99.30	99.20	99.10	99.00	99.00	98.90	98.90	98.80	98.80	98.70	98.60	98.50	98.50	98.50	98.40	98.40
Children (All)	99.20	98.30	97.60	97.30	97.00	96.80	96.60	96.40	96.30	96.10	96.00	95.90	95.80	95.70	95.70	95.60	95.60	95.50	95.40	95.40	95.30	95.20	95.20	95.20
Combined (All)	99.40	98.90	98.40	98.20	98.00	97.90	97.70	97.60	97.50	97.30	97.20	97.10	97.10	97.00	97.00	96.90	96.80	96.80	96.70	96.60	96.50	96.50	96.50	96.50
Adults (Post**)	99.80	99.70	99.70	99.60	99.50	99.50	99.40	99.30	99.30	99.20	99.10	99.00	99.00	99.00	98.90	98.90	98.80	98.80	98.70	98.60	98.60	98.60	#	#
Children (Post**)	99.40	98.60	98.10	97.80	97.50	97.30	97.10	96.90	96.80	96.70	96.50	96.50	96.40	96.30	96.20	96.20	96.10	96.00	95.90	95.90	95.90	95.80	95.80	#
Combined (Post**)	99.50	99.10	98.70	98.50	98.30	98.20	98.00	97.90	97.80	97.60	97.50	97.50	97.40	97.30	97.30	97.20	97.20	97.10	97.00	96.90	96.90	96.90	96.90	#

** ‘Post’ refers to the addition of a structural support component to improve impact strength.

Individual populations are less than the minimum required for a valid calculation.^{2,3}

CI24M Reliability



Confidence intervals smaller than 0.1% may not be clearly visible in the graphs.
CSP includes both device and accident-related issues.

Nucleus CI22M Implant

Number of registered CI22M implants - 31 December 2020

ADULTS	CHILDREN	COMBINED
9,670	7,993	17,663



Released in 1985, the CI22M implant was the first commercially available multi-channel cochlear implant in the world.

Within 33 years, the CI22M implant has a combined Cumulative Survival Percentage of 90.60%.

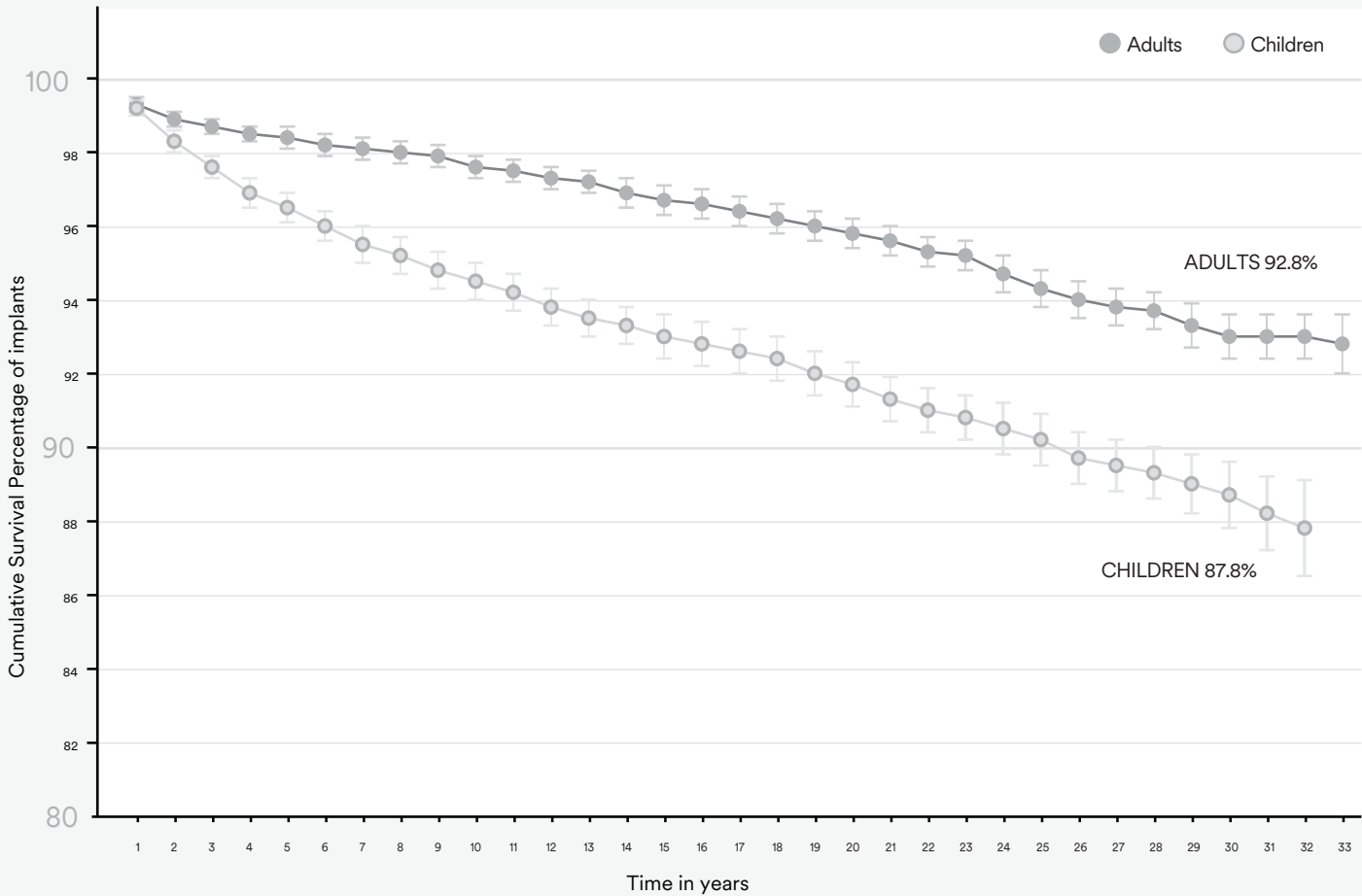
CI22M Cumulative Survival Percentage

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Adults	99.30	98.90	98.70	98.50	98.40	98.20	98.10	98.00	97.90	97.60	97.50	97.30	97.20	96.90	96.70	96.60
Children	99.20	98.30	97.60	96.90	96.50	96.00	95.50	95.20	94.80	94.50	94.20	93.80	93.50	93.30	93.00	92.80
Combined	99.20	98.60	98.20	97.80	97.50	97.20	96.90	96.70	96.50	96.20	96.00	95.70	95.50	95.20	95.00	94.80

YEAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Adults	96.40	96.20	96.00	95.80	95.60	95.30	95.20	94.70	94.30	94.00	93.80	93.70	93.30	93.00	93.00	93.00	92.80
Children	92.60	92.40	92.00	91.70	91.30	91.00	90.80	90.50	90.20	89.70	89.50	89.30	89.00	88.70	88.20	87.80	#
Combined	94.70	94.50	94.20	93.90	93.60	93.30	93.10	92.80	92.40	92.00	91.90	91.60	91.30	91.00	90.90	90.80	90.60

Individual populations are less than the minimum required for a valid calculation.¹²

CI22M Reliability



REGISTERED IMPLANT DATA FOR ADULTS AND CHILDREN AT 31 DECEMBER 2020

Confidence intervals smaller than 0.1% may not be clearly visible in the graphs.
CSP includes both device and accident-related issues.

Sound processor reliability

Why sound processor reliability matters

The reliability of a cochlear implant system depends not only on the implant, but also on the sound processor. Sound processors are typically used for a number of years, so high reliability enables ongoing access to a consistent hearing experience.

Sound processors, as an externally worn device, are subject to a range of environmental factors, so it's important to have access to the latest data on short and long term reliability.

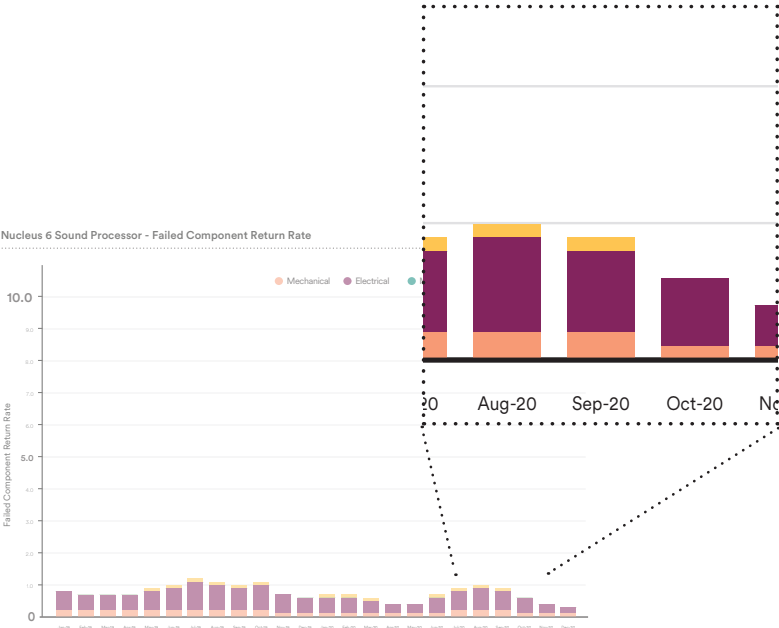
What is Failed Component Return Rate (FCRR)?

Failed Component Return Rate (FCRR) is the metric used in this report to measure sound processor reliability. FCRR provides information regarding the reliability of each make and model of sound processor.

Cochlear tests sound processors that have been returned to determine if they are working and, if not, why they failed. The FCRR is a percentage which represents the total number of failed processors received within a month compared to the total number of the same processor sold by the end of that month.

For example, if 20 faulty sound processors are returned in a month and 10,000 of the same sound processors have been sold as at the end of the month, the FCRR is 0.2%.

How are the results shown?



What is other/unknown failure?

Failures that don't fit in the below categories (e.g. firmware failures).

What is moisture damage failure?

A functional failure that is a result of moisture ingress. This category excludes corrosion and other similar damage unless it results in a functional failure.

What is electrical failure?

A functional failure of the electronics or the electronic assembly.

What is mechanical failure?

A functional failure resulting from physical damage caused by mechanical stress, chemical exposure, or ultraviolet (UV) exposure that is a result of normal use.

What is Fault-Free data?

A returned device that is found to be fully functional is classified as fault-free. The device condition might reflect normal wear and tear, such as minor mechanical damage (including scratches, cracks, and discolouration), corrosion, and/or moisture damage that did not result in a functional failure.

Fail mode	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Mechanical	0.2%	0.1%	0.1%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.1%	0.1%
Electrical	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.3%	0.2%	0.2%
Moisture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fault-Free	0.3%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%

Note: data and graphs on this page are for example only.

Nucleus 7 Sound Processor

Released in 2017, the Cochlear™ Nucleus® 7 Sound Processor is our smallest and lightest⁶ behind-the-ear sound processor offering world-first connectivity and control directly from a compatible smartphone.*



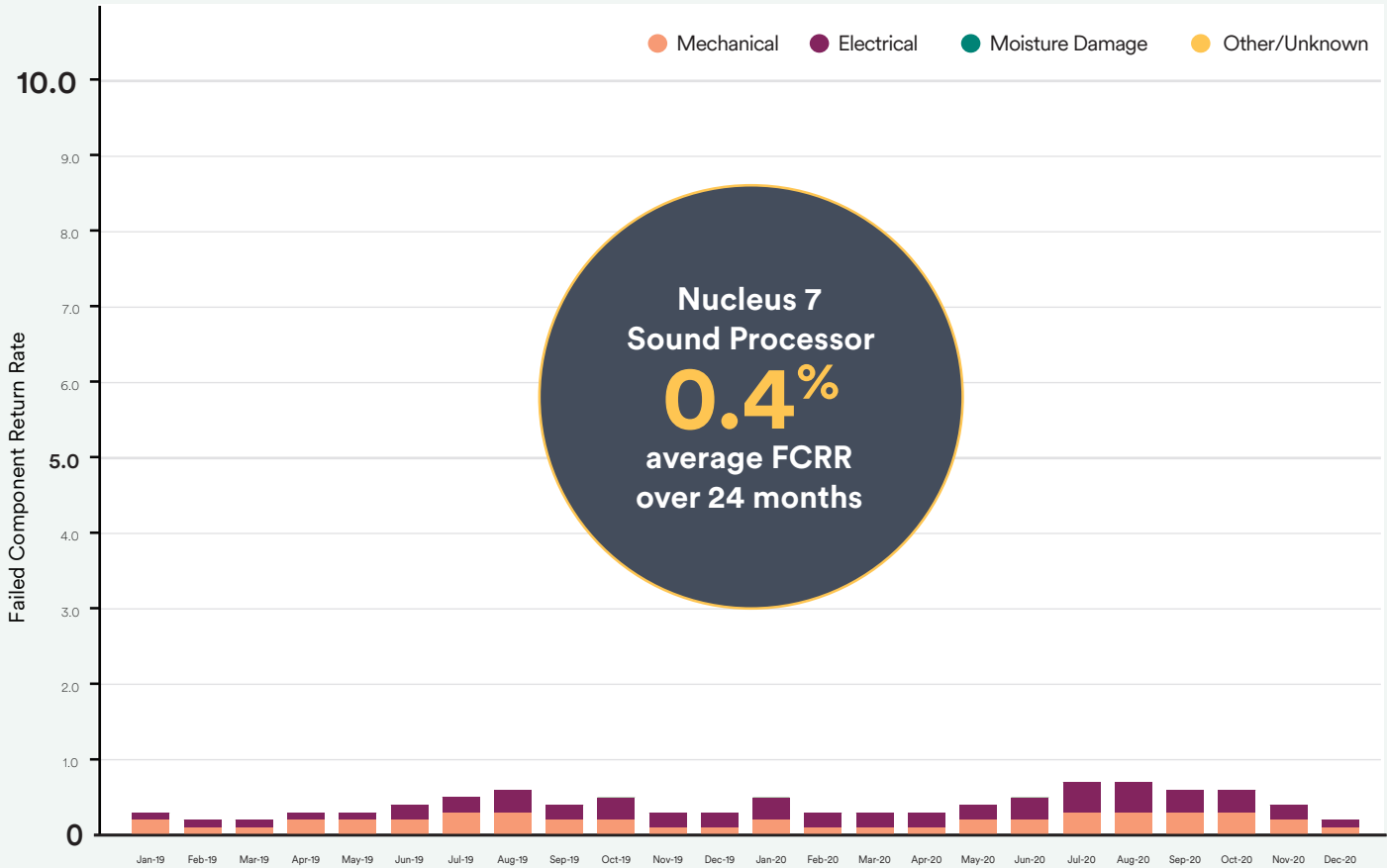
Nucleus 7 Sound Processor Component Return Rate

Fail mode	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Mechanical	0.2%	0.1%	0.1%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%	0.1%	0.1%
Electrical	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.2%	0.3%	0.2%	0.2%
Moisture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fault-Free	0.3%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%

Fail mode	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Mechanical	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.3%	0.3%	0.3%	0.2%	0.1%
Electrical	0.3%	0.2%	0.2%	0.2%	0.2%	0.3%	0.4%	0.4%	0.3%	0.3%	0.2%	0.1%
Moisture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fault-Free	0.2%	0.2%	0.2%	0.1%	0.1%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%

* The Cochlear Nucleus 7 Sound Processor is compatible with Apple and Android™ devices. For compatibility information visit www.cochlear.com/compatibility.

Nucleus 7 Sound Processor - Failed Component Return Rate



Nucleus Kanso Sound Processor

Released in 2016, the Cochlear Nucleus Kanso Sound Processor is a simple and discreet off-the-ear sound processor offering dual microphones.

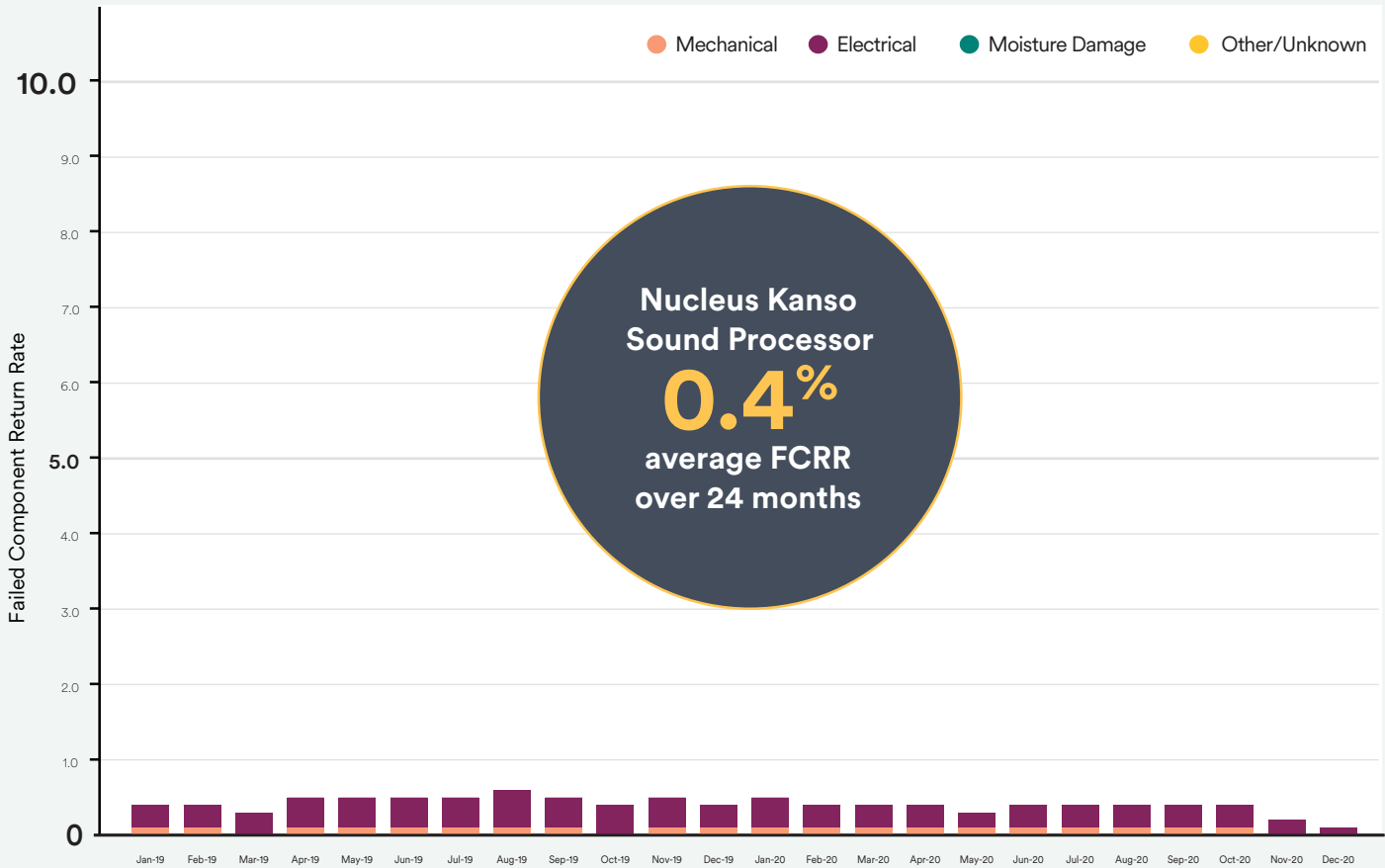


Nucleus Kanso Sound Processor Component Return Rate

Fail mode	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Mechanical	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%
Electrical	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%	0.4%	0.5%	0.4%	0.4%	0.4%	0.3%
Moisture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fault-Free	0.5%	0.5%	0.5%	0.5%	0.3%	0.4%	0.4%	0.4%	0.3%	0.4%	0.3%	0.3%

Fail mode	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Mechanical	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%
Electrical	0.4%	0.3%	0.3%	0.3%	0.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.2%	0.1%
Moisture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fault-Free	0.4%	0.3%	0.3%	0.2%	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	0.1%

Nucleus Kanso Sound Processor - Failed Component Return Rate



Nucleus 6 Sound Processor

Released in 2013, the Cochlear Nucleus 6 Sound Processor is a small and light sound processor featuring SmartSound® iQ sound processing technology and True Wireless™ connectivity.



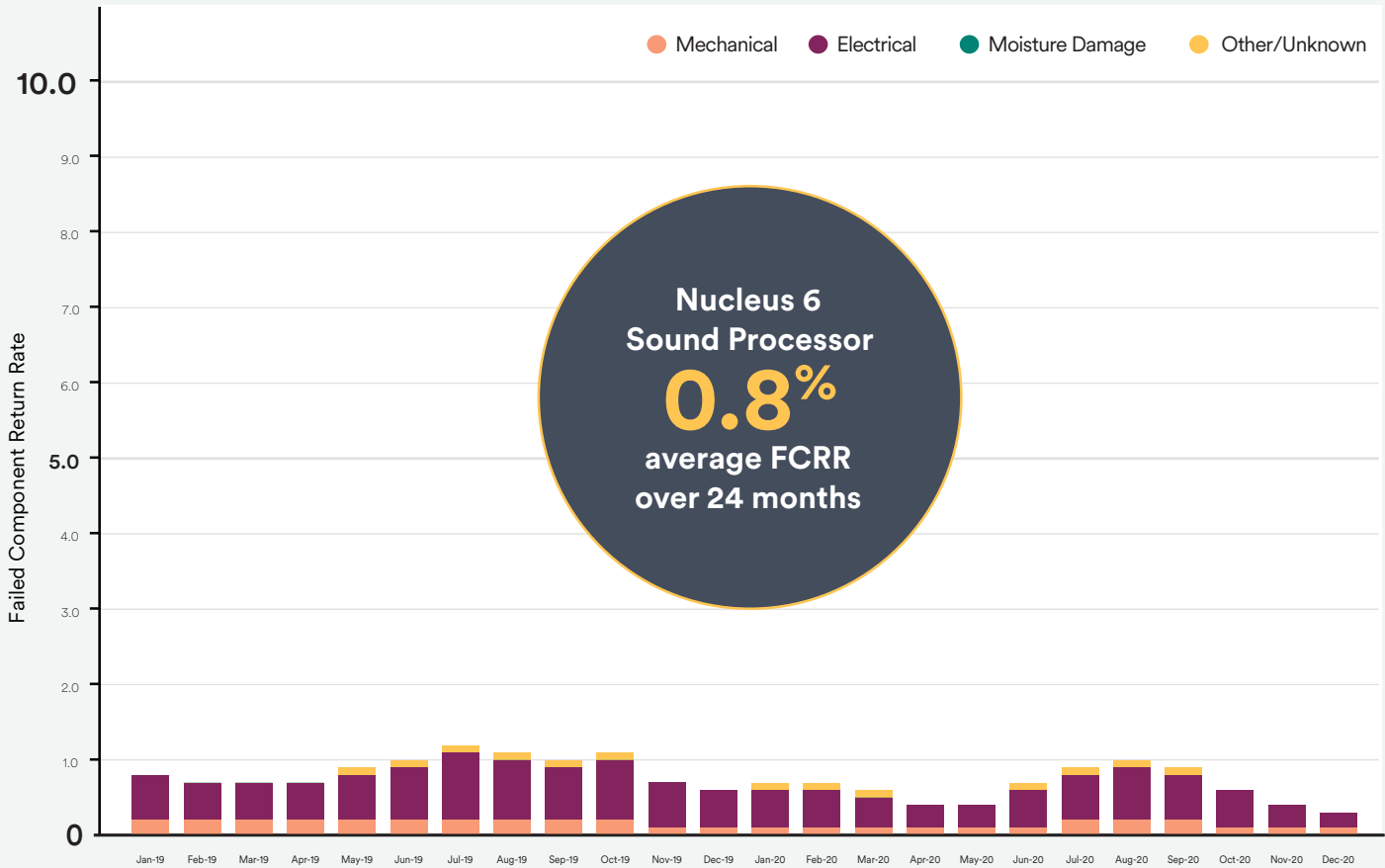
Nucleus 6 Sound Processor Component Return Rate

Fail mode	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Mechanical	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%
Electrical	0.6%	0.5%	0.5%	0.5%	0.6%	0.7%	0.9%	0.8%	0.7%	0.8%	0.6%	0.5%
Moisture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%
Fault-Free	0.2%	0.2%	0.2%	0.2%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.1%

Fail mode	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
Mechanical	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%
Electrical	0.5%	0.5%	0.4%	0.3%	0.3%	0.5%	0.6%	0.7%	0.6%	0.5%	0.3%	0.2%
Moisture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%
Fault-Free	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%

Note: Nucleus 6 Sound Processor data includes both CP910 and CP920 Sound Processor variants.

Nucleus 6 Sound Processor - Failed Component Return Rate



Appendix

GRAPHICAL REPRESENTATION OF IMPLANT DATA

Each implant graph represents a type of device based on the receiver/stimulator portion.

RECEIVER/ STIMULATOR	IMPLANTS*
Profile™ Plus Series	Cochlear™ Nucleus® Profile™ Plus with Contour Advance Electrode (CI612) Cochlear Nucleus Profile Plus with Slim Straight Electrode (CI622) Cochlear Nucleus Profile Plus with Slim Modiolar Electrode (CI632)
Profile Series	Cochlear Nucleus Profile with Contour Advance Electrode (CI512) Cochlear Nucleus Profile with Slim Straight Electrode (CI522) Cochlear Nucleus Profile with Slim Modiolar Electrode (CI532) Cochlear Nucleus Profile Auditory Brainstem Implant (ABI541)
CI24RE Series	Nucleus Freedom® with Contour Advance Electrode Nucleus Freedom with Straight Electrode Cochlear Nucleus CI422 Cochlear Implant Cochlear Hybrid™ L24 Cochlear Implant
CI500 Series	Cochlear Nucleus CI512 Cochlear Implant Cochlear Nucleus CI513 Cochlear Implant Cochlear Nucleus CI551 Double Array Cochlear Implant Cochlear Nucleus ABI541 Auditory Brainstem Implant
CI24R	Nucleus 24 with Contour Advance Electrode Nucleus 24 with Contour® Electrode Nucleus 24k with Straight Electrode
CI24M	Nucleus 24 with Straight Electrode Nucleus 24 with Double Array Nucleus 24 Auditory Brainstem Implant [ABI]
CI22M	Nucleus 22

* Implant availability varies by market.

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Notes

Notes

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As the global leader in implantable hearing solutions, Cochlear is dedicated to helping people with moderate to profound hearing loss experience a life full of hearing. We have provided more than 600,000 implantable devices, helping people of all ages to hear and connect with life's opportunities.

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ACE, Advance Off-Stylet, AOS, AutoNRT, Autosensitivity, Beam, Bring Back the Beat, Button, Carina, Cochlear, 科利耳, コクレア, 코클리어, Cochlear SoftWear, Codacs, Contour, Contour Advance, Custom Sound, ESPrit, Freedom, Hear now. And always, Hugfit, Hybrid, Invisible Hearing, Kanso, MET, MicroDrive, MP3000, myCochlear, mySmartSound, NRT, Nucleus, Outcome Focused Fitting, Off-Stylet, Slimline, SmartSound, Softip, SPrint, True Wireless, the elliptical logo, and Whisper are either trademarks or registered trademarks of Cochlear Limited. Ardium, Baha, Baha SoftWear, BCDrive, DermaLock, EveryWear, SoundArc, Vistafix, and WindShield are either trademarks or registered trademarks of Cochlear Bone Anchored Solutions AB.

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