Cure Kids Annual Report 2021





Catherine Harper, mum to Ben who lives with Spina Bifida Myelomeningocele and Hydrocephalus.

(shown front cover)

Contents

Welcome Frances Benge, CEO4-	-5
A view of 2021 from the Chair Franceska Banga6-	-7
Cure Kids Overview	9
A Snapshot of 2021 1	0
What we're funding	11
Our biggest breakthroughs	13
Innovation and Discovery Research14-1	16
A Better Start	19
Meet our Professorial Chairs	21
New appointments	23
Cure Kids Governance	24
Honouring Dr Bruce Scoggins	25
Medical and Scientific Advisory Committee	27
From tragedy comes 40 years of child health research	29
Trust and Foundations	0
Giving that goes both ways	3
Cure Kids welcomes two new partners — Bayleys and JCDecaux 3	4
Our partners	57
Red Nose Day	59
Fundraising in our community 4	0
Meet Kase	41
Cure Kids Fiji Islands	15
Cure Kids Ventures	17
Financial summary 4	8
Statement about the accounts	19
A note from one of our regular givers5	0

Welcome

By Frances Benge, Cure Kids CEO

2021 was an important year for Cure Kids — our 50th anniversary. It was a time to contemplate the vision of our founders, Sir Bob Elliott and Dr Ron Caughey, and reflect with pride on our achievements. We also took the opportunity to deepen our relationships, be innovative in our approach to collaboration and use the power of digital technologies to raise funds in a COVID environment.

The 'why' that drives Cure Kids

The year's biggest highlight was our 50th anniversary, when we took time to look back to look forward. We revisited the original vision that Sir Bob Elliott and Dr Ron Caughey had for Cure Kids. Back in 1971, Bob and Ron's concern was that there weren't any dedicated paediatric researchers in New Zealand. Any research done on child health was a byproduct of research done on adult health. New Zealand's health statistics for children were slipping, compared to other OECD countries, and our founders believed that a focused paediatric research approach could turn some of those statistics around.

I am so proud that in 2021, one of our toughest fundraising years ever, we made the largest-ever investment in child health research to the value of \$10 million dollars.

1300% Payback benefit for every \$1

Looking back on our biggest achievements in 50 years, we are very proud of the 25-year programme of research run by Professor Ed Mitchell on preventing sudden unexpected death in infancy (SUDI). Each component of his programme contributed to a wealth of new knowledge that has saved hundreds of babies' lives in New Zealand, as well as tens of thousands of babies worldwide. A Cure Kids project with Impact Lab calculated that for every dollar invested in SUDI research, the payback to society equated to \$14. That's a 1300% return, on top of the grief spared for families whose babies' lives were saved.

Over the past 50 years Cure Kids has also had a major impact on cystic fibrosis. Sir Bob Elliott discovered that by using Guthrie cards (blood spot tests) the diagnosis could be confirmed at birth, resulting in early treatment and, ultimately, increasing life expectancy into adulthood.

These are just two of the many breakthroughs that have been achieved in child health, thanks to the generous support of our donors. We hope that the nine new projects funded in 2021 through our Innovation & Discovery round lead to more life-changing breakthroughs.

...we made the largest-ever investment in child health research to the value of \$10 million dollars.

Overcoming the challenges of the pandemic

Cure Kids navigated effectively through the pandemic challenges of 2020, thinking that 2021 would see an end to lockdowns and distancing. However, as you well know, the pandemic was far from over. For the second year in a row, we sadly cancelled our gala dinner, a flagship event that raises significant funds for Cure Kids.

It would have been easy to become distracted by the negative things happening around us, but instead we put our heads together to find ways to make Cure Kids more sustainable in any business, social or health environment.

To 'cut our cloth to fit the purse', we redeveloped our strategic plan to place more emphasis on collaborative partnerships with corporates who want to make a difference to New Zealand's future. We also modified our communications strategy to put a stronger emphasis on digital channels — our website, newsletters, social media, video conferencing and electronic publications.

Now and in the future, our most important communication task is nurturing the loyalty of our long standing supporters, while also bringing on the next generations.

By the end of 2021, these strategic tweaks were already helping us to become more resilient and ready for whatever the future may bring.

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Helping children cope with COVID anxiety

In the months immediately ahead, we know it will be important to help children cope with the psychological stress of the pandemic. We've been funding research in Christchurch about the long-term impact of the earthquakes on children's mental health. This work will now help to inform how we can help kids emotionally cope with the ongoing effects of the pandemic.

Our researchers are looking at how we can assist parents and caregivers to recognise the warning signs of anxiety



and mental distress. We believe we can help children become more resilient using the technologies they know and understand.

Reaching beyond New Zealand

Since 2006, Cure Kids has been helping to transform the health of children in Fiji, in partnership with Accor Hotels. Our ongoing focus for Fiji is to help children living with rheumatic heart disease and to provide access to oxygen therapy for children who need it. Both projects are installing benefits that will be available for future generations. While there's research connected to both projects, they represent a step into a future where we become involved with the execution of health programmes in association with government health organisations.

On a side note, during the COVID-19 pandemic, the readily-available supply of oxygen we've helped to implement in Fiji has been a life saver. With or without a pandemic, we believe no child should die due to a lack of oxygen — one of the most basic of health treatments.

Laser focus on health problems caused by social inequity

An ongoing challenge for New Zealand is the still-significant burden of disease on children affected by poverty. As things stand, 40,000 children per year are admitted to hospital for completely preventable conditions.

I hope that the next decade will see our country eradicate diseases like rheumatic fever and rheumatic heart disease. Rheumatic fever and rheumatic heart disease are third world diseases, and we should be ashamed of New Zealand's statistics in this area.

At Cure Kids we are helping to drive innovative and exciting child health research which will put these horrific statistics behind us.

Thanks to you

We feel hugely grateful for the continued support of everyday Kiwis who loyally support us. We are thankful for our corporate partners and their relentless support during another unusual year. While the world's predicament has been hard to watch, Cure Kids is emerging from the tunnel with increased energy and resilience. With the experience of 50 years behind us, we're looking forward to continuing our quest for a healthier New Zealand population by raising child health standards.

A huge thank you to the Cure Kids Board and my colleagues in the Cure Kids team — you have proven to be adaptable, indomitable and inspiring throughout 2021.

Ngā mihi nui

Im Benge Frances

21 7

A view of 2021 from the Chair



My inaugural Cure Kids board meeting was in December 2020, so I've completed my first full year as Chair. And it was such an important year, because Cure Kids was celebrating 50 years of supporting child health research. Looking back on 2021, three things stood out for me.

Ensuring governance is tuned to NZ's population

With solid board endorsement, my first priority was to ensure a strong Māori and Pasifika presence on both our board and research advisory committee. The goal of three new appointments made during 2021 was to ensure Cure Kids governance and research is well grounded and reflects the diversity and realities of New Zealand's child population, particularly Māori and Pasifika children who are too often over represented in disease reporting and under represented in research.

It was exciting to appoint Dee-Ann Wolferstan to the Cure Kids board, as well as Professor Te Kani Kingi and Dr Teuila Percival to the Medical & Scientific Advisory Committee. Each of these people is exceptional in their own right and we are grateful they have joined us to help shape our future research direction and focus.

Dee-Ann has 20 years of leadership experience and currently operates as the Kaihautu – Chief Executive for three lwi/Māori organisations. She also has extensive governance experience, having served on the Board of Social Services Providers Aotearoa and as their chairperson for the past four years.

Te Kani is Executive Director of Research and Innovation at Te Whare Wānanga o Awanuiārangi and a mental health academic. Teuila, a Director for Moana Research, has extensive expertise in Pacific health research.

As the board of New Zealand's largest privately funded child health research charity, it is critical that we understand, in a deep cultural sense, how the research we fund can make a measurable and meaningful difference to the child health groups we serve.

When I asked our CEO Frances Benge to name the most important issue we needed to address, she said 'rheumatic fever'. 5,5

Addressing NZ's biggest child health challenge

Cure Kids has an extraordinary history in funding breakthrough child health research. The visionary founders of Cure Kids, and those that have followed, have not shied away from taking on the big research challenges. As the new chair of Cure Kids, I'd wanted to quickly get to grips with New Zealand's child health situation and the biggest challenges we face. When I asked our CEO Frances Benge to name the most important issue we needed to address, she said 'rheumatic fever'.

New Zealand stands out from most other developed countries in continuing to have high rates of acute rheumatic fever (ARF) and associated rheumatic heart disease (RHD). Around 80% of cases occur in young people aged less than 15 years and the disease rate for Pacific peoples (Māori and Pasifika) is six times the overall rate for all New Zealanders.

C...we also see the need to engage and partner with the New Zealand government in addressing rheumatic fever, dental caries and other major child health issues.

As a country we should be appalled by this situation, which has been allowed to continue. The harsh truth is that if New Zealand's health resources had focused on rheumatic fever in the same way they focused on COVID-19, it could have been eradicated by now.

The job ahead for Cure Kids is not just to say, 'this is a big problem', but to direct research, action and resources that will contribute to solving the problem.

Expanding our traditional funding base

Looking back on Cure Kids' 50 years of supporting child health research, our organisation has always sought partnerships and funding from generous private sector donors and philanthropists. However last year we recognised that the major health issues we're helping to combat, particularly rheumatic fever, sit within a realm of responsibility that must include the New Zealand government.

We have strong processes for engaging with the people and foundations that provide funding for child health research. That won't change, but we also see the need to engage and partner with the New Zealand government in addressing rheumatic fever, dental caries and other major child health issues.

Cure Kids already has a track record of successfully working with a government, namely the government of Fiji. Working with Fiji's Ministry of Health & Medical Services, we have

established two projects to improve children's health – one for children living with rheumatic heart disease (RHD) and another for children who need access to oxygen. These projects demonstrate how our role in child health is expanding from pure research to research-plus-action, and also from exclusively private sector funding to a blend of private and public.

It is also time for the New Zealand government to review how it invests in child health research, including how it partners with privately funded charities like Cure Kids, to achieve better child health outcomes.

A strong ship that's holding its course

Helping to steer Cure Kids is a joy. We are a strong ship, and adaptable. Operating during times of COVID has certainly presented some obstacles, particularly for major events and fundraising campaigns. The executive team have cut their cloth to fit the new environment and quickly shifted to make excellent use of digital communication platforms. We have not let the pandemic distract us from New Zealand's most urgent child health needs. We're also broadening our scope to include social research, including child and adolescent mental health. Across all the research we fund and support, our ultimate goal is to ensure research results translate into opportunities to improve child health in

Across all the research we fund and support, our ultimate goal is to ensure research results translate into opportunities to improve child health in New Zealand.

Franceska Banga



Hello, I'm Big Research.

I'm the thing that means BIG BREAKTHROUGHS can be made, so that little lives can be saved.

BIG RESEARCH looks like many different things.

It can have a lot of different involved...



and it can take a lot of



It takes a lot of and a lot of .





And it also takes a lot of sand that is what Cure Kids helps with.

Cure Kids raises the money for the hearts and brains to do the big research to look after the little lives.



Cure Kids Overview



Cure Kids began



Currently we fund over

\$19.2m

across a range of health conditions.



KEY HEALTH ISSUES

drive us to improve the health outcomes for kiwi kids.



COLLABORATIONS

with NZ Government, MFAT, Child Cancer Foundation, Cystic Fibrosis, and more.



CURE KIDS MISSION

is to invest in research to transform the health of children.



We are the largest charitable funder of

CHILD HEALTH RESEARCH

outside of the NZ Government.



GOVERNANCE

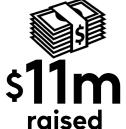
We have an experienced Board who work alongside a Medical and Scientific Advisory Committee



THE PACIFIC

Cure Kids Fiji was established in 2006 to improve child health in Fiji.

A Snapshot of 2021





in 2021 (NZ & Fiji)

\$5,673,105 NEW research funded in 2021 (NZ)



\$4,599,090 NEW research funded in 2021 (Fiji)

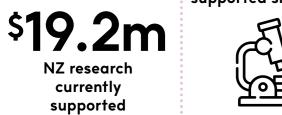








NEW research projects commenced











grants underway

9 institutions NZ-wide with **Cure Kids** researchers



professorial chairs funded incredible corporate partners



public fundraising campaigns

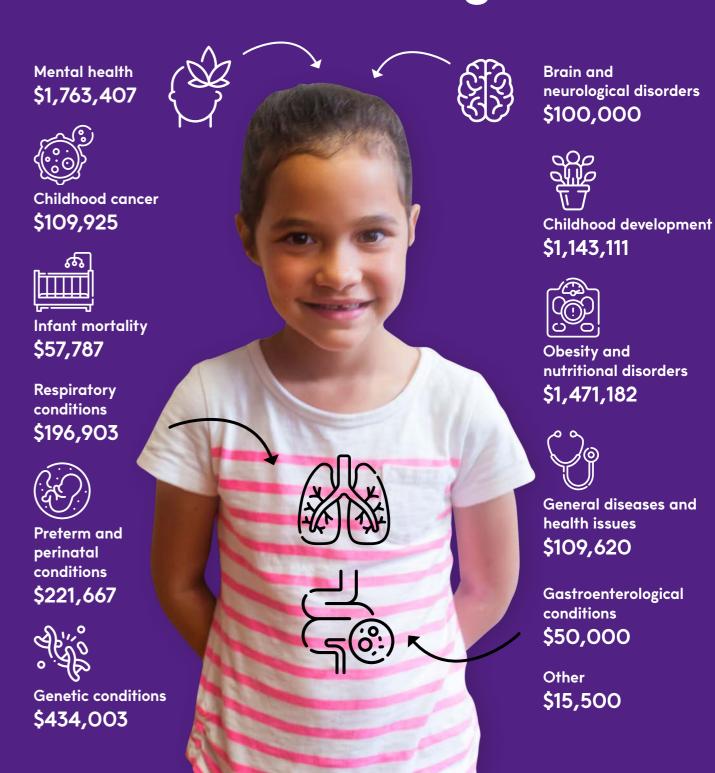


of generous donors

wonderful Trusts & Foundations



What we're funding



Rheumatic heart disease in Fiji \$1,500,000

Oxygen treatment in Fiji \$3,000,000

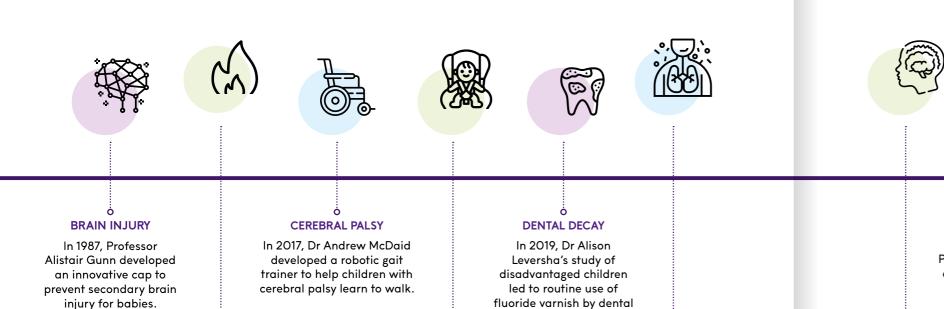
Other Fiji Projects \$99,090

Our biggest breakthroughs

Over our 50-year history, Cure Kids' visionary donors have funded research projects that have resulted in significant and life-changing breakthroughs in child health.

Every project we approve for funding is reviewed by our medical and scientific advisory committee. The Committee ensures that Cure Kids funds the most innovative projects, based on excellent science, by researchers with the expertise and real-world experience to deliver results for children.

Here are some of the most significant outcomes from research partly or fully-funded by Cure Kids supporters.



BURNS

In 2012, Professor
Dunbar's team engineered
full-thickness human skin
in the laboratory using a
patient's own skin cells
to enable skin repair
after burns.

CAR SAFETY

In 2008, research by Professor Alistair Gunn, Dr Christine McIntosh and Dr Shirley Tonkin led to the invention of a foam insert to prevent babies from getting short of oxygen in their car seats. **CYSTIC FIBROSIS**

clinics to prevent dental

In 1976, Sir Bob Elliott discovered a blood test (newborn heel prick) to diagnose cystic fibrosis at birth, enabling earlier treatment that increased life expectancy for CF babies around the world.

In 2002, Professor Tony Kettle discovered that in children with cystic fibrosis, the body's natural systems for killing bacteria using bleach don't work, so the bleach damages healthy tissues instead. This has created new possibilities for how to treat CF. MENTAL HEALTH CONDITIONS

Professor Sally Merry has built a team of experts to develop innovative digital tools to help young people manage depression and anxiety by accessing therapy online

EPILEPSY

Since 2010, Professor Lynette Sadleir has improved care for NZ children with epilepsy by rapidly discovering which genes cause their epilepsy, and using that information to help find the best treatment for each child. Some of the genes she has found were not linked with epilepsy before her team discovered them.

NEWBORN HYPOGLYCAEMIA

In 2003 Professor Jane
Harding worked with
colleagues in Australia
to prove that giving
glucocorticoids to pregnant
women could prevent
respiratory disease in their
babies.

PRETERM BIRTH

In 2018, Associate Professor Max Berry proved that babies born at just 23 or 24 weeks can survive and thrive.

RESPIRATORY PROBLEMS

In 1982, Professor Innes Asher developed tests to assess lung function, which are now standard clinical practice in New Zealand.

In 2015, Professor Cameron Grant proved that vitamin D supplementation during pregnancy and infancy prevents doctor visits for acute respiratory infections in early childhood. **SUDI AND STILLBIRTH**

Professor Ed Mitchell's
1990 research led to
advice on safe sleep
environments that has
prevented around 200 NZ
deaths every year since,
and many more around
the world.

In 2017, Lesley McCowan's study on maternal sleep position led to advice for mothers that could reduce the risk of stillbirth by 50%.

Innovation and Discovery Research



A New Treatment for Preventing Lung Disease in Extremely **Preterm Babies**

Dr Chris McKinlay The University of Auckland

Around 500 babies are born extremely premature in New Zealand every year. Over 50% of these babies will develop bronchopulmonary dysplasia — a lung disease that increases the risk of many other medical conditions. But Dr McKinlay and his team are working on a new treatment to help premature babies — and their families — breathe a little easier.

Find out more: (CLICK %



This Won't Hurt a Bit... A Pain-Free Approach to Sedation for Kids

Dr Manisha Sharma The University of Auckland

Every year, thousands of children around New Zealand are given sedative medicine to help them cope with necessary medical procedures. But giving sedative medicine via a needle or mask can be distressing for children — and their families.

So, how can we ensure that kids who require sedation are not additionally stressed by how it is given? Maybe all they need is a sticking plaster... Dr Sharma and her team plan to design and evaluate a dissolvable microneedle patch.

Find out more: (CLICK not



Do Kids with Type 1 Diabetes **Experience Worse Educational Outcomes?**

Nick Bowden The University of Otago

Type 1 diabetes causes a significant physical and psychological burden for children who are affected by the disease — and their families. Type 1 diabetes can cause serious health issues and can also alter the developing brain. But does living with type 1 diabetes influence educational outcomes for children in Aotearoa? Nick Bowden and his team at the University of Otago plan to find out.

Find out more: (CLICK %

Cure Kids' Innovation and Discovery granting round supports blue-sky, innovative projects with the potential to transform child health.

Every year Cure Kids invites New Zealand's best researchers to submit proposals aimed at improving the understanding, diagnosis, therapy and prevention of paediatric health conditions. Some of New Zealand's most significant medical breakthroughs have been seed-funded by this round.

Thanks to the support of visionary donors, close to \$1million in funding was provided in 2021 to support this work.

Here's a glimpse into the projects funded in 2021...



Growing Pains: A Potential Treatment for Fetal Growth Restriction

Associate Professor Jo James The University of Auckland

Fetal growth restriction is a serious medical condition that affects around 3000 unborn babies each year in New Zealand. Babies affected by fetal growth restriction carry an increased risk of stillbirth, as well as an increased risk for significant health issues later in life. But help is on the way.

Dr James and her team at the University of Auckland are working to better understand fetal growth restriction — and to offer a potential treatment.

Find out more: (CLICK (x)



A 'Game Changing' Approach to Treating High-Grade Glioma in Kids

Dr Jiney Jose and Dr Peter Choi The University of Auckland

Paediatric high-grade glioma is an aggressive and incurable form of brain cancer. Long-term survival rates for children with this type of brain cancer are low. But there is hope.

New research by Dr Jose and Dr Choi, funded by Cure Kids, is re-designing the way we treat high-grade glioma.





Health hack: how an app may improve mental health and wellbeing for teens

Dr Nicola Ludin and Dr Tania Cargo The University of Auckland

Mental illness has risen significantly in young people in Aotearoa over the last ten years. Given the evidence that lack of sleep can affect mental health, researchers from the University of Auckland propose a novel solution to help sleep-deprived young people using 'Ninja' sleep skills.

Find out more: (CLICK (m)



Innovation and Discovery Research



Kids With Cystinosis Dr Jennifer Hollywood The University of Auckland

Cystinosis is a rare genetic disorder that can affect every cell in the human body. Currently, children with cystinosis have only one treatment option — a medication that is challenging to take and has significant side effects.

So, how can we improve the treatment of cystinosis in children? Dr Hollywood and her team at the University of Auckland might have the solution.

Find out more: CLICK





A Promising Therapeutic Alternative: Treating Babies with Hypoxic-Ischaemic Encephalopathy Dr Guido Wassink The University of Auckland

Hypoxic-ischaemic encephalopathy develops when blood flow that carries oxygen and nutrients to the baby is severely restricted during birth. If sufficiently severe, this condition carries a significant risk of death — or survival with major disability. Currently, the only treatment for babies born with moderate to severe hypoxic-ischaemic encephalopathy is therapeutic hypothermia, but it does not protect every baby.

A team of researchers believe they might just have a solution.

Find out more: CLICK



Sleep Yourself Healthy:
A New Initiative for Improving Teen
Mental Health and Wellbeing
Professor Barbara Galland
and Dr Liza Edmonds
The University of Otago

Adequate sleep is essential during the teenage years, particularly when it comes to mental health and wellbeing. Yet many teenagers are sleep deprived. So, how can we support our teens to get enough sleep during this critical time?

Professor Barbara Galland and Dr Liza Edmonds believe they have the answer.

Find out more: CLICK



We all want Kiwi kids to have a better life.

So how do we help give them a better start?

A Better Start is a coalition of clinicians and scientists which has been formed to deliver answers to one of the eleven National Science Challenges identified through a comprehensive process by the New Zealand Government in 2014.

The challenge? To help children, teenagers, their whānau and families achieve the best possible start in life.

Its mission is to find practical, evidence-based solutions that make a measurable difference for tamariki, specifically in the areas of healthy weight, mental health, and successful learning.

What is this collaboration with Cure Kids?

In 2021, A Better Start and Cure Kids began co-funding 12 research projects through a new \$4M collaboration aimed at making a real-world difference to the health of our tamariki and their whānau.

This is the second time we have collaborated to create a contestable funding round — in 2017 we funded 10 child health research projects to the tune of \$2.8 million.

Why is funding needed?

The 12 research projects are designed to deliver practical solutions to improve the health of children in New Zealand, focusing on healthy weight, mental health and resilience, and early learning and literacy. Or, as we like to look at it, mind, body and soul.

Take a closer look...





Digital learning (telehealth) for children on the autism spectrum

Led by Associate Professor Laurie McLay, **University of Canterbury**





Ki-o-Rahi, a traditional Māori game, to improve fundamental movement skills

Led by Professor Rich Masters, **University of Waikato**





Speech language therapy for whānau Māori

Led by Nicky-Marie Kohere-Smiler, Te Aitanga-a-Mahaki Trust





Training teachers in proven strategies to help children to read and write

Led by Professor John Everatt, **University of Canterbury**







A healthy lifestyle app for weight-related conditions

Led by Dr Yvonne Anderson, University of Auckland





A national data platform to track young people's growth trajectories

Led by Dr Teresa Gontijo de Castro, University of Auckland





Advice to manage rapid weight gain in infants

Led by Professor Barry Taylor, University of Otago





Improving children's nutrition via school lunches

Led by Professor Boyd Swinburn, University of Auckland





The impact of fish oil during pregnancy on childhood development

Led by Dr Ben Albert, University of Auckland





Soul



How physical environments affect the mental health of young people

Led by Nicholas Bowden, University of Otago





How wearable sensors could help young people regulate their anxiety

Led by Dr Rosie Dobson, University of Auckland





Using ancestral knowledge for nurturing the health and wellbeing of children

Led by Professor Leonie Pihama, Tu Tama Wahine o Taranaki





Meet our **Professorial Chairs**

When Cure Kids was founded in 1971, the first dedicated Chair was created, to improve the health of children in Aotearoa New Zealand. Over time, Cure Kids has set up new positions and now has four Chairs at leading Universities around NZ. These investments in outstanding academic talent have generated significant returns. The stability offered by these senior positions allows world-class researchers the scope to generate scientific breakthroughs.



Learn more about life changing research



Professor Stephen Robertson Cure Kids Chair of Paediatric Genetics at the University of Otago





Professor Stuart Dalziel Cure Kids Chair of Child Health Research at the University of Auckland





Professor Andrew Day Cure Kids Chair of Paediatric Research at the University of Otago

Thank you Professor Sally Merry



Cure Kids would like to honour and acknowledge the retirement of Professor Sally Merry who held the Cure Kids Duke Family Chair in Child and Adolescent Mental Health at the University of Auckland. As Chair, she led brilliant research focusing on understanding mental health conditions in children.

Harnessing the accessibility of technology and the smart phone, Prof Merry developed treatments and prevention strategies that are easy to access, homebased and interactive. Parents can access these phone apps as a tool to build resilience and improve mental wellbeing for their children and themselves.

Learn more about Professor Merry's work.



New appointments

Addressing the needs of New Zealand's people

Cure Kids recognises the need to address New Zealand's alarming health statistics and dedicate research specifically to unanswered questions around the health of Māori and Pasifika children.

To help deliver on this, in 2021, we made four significant new appointments. This includes Dee-Ann Wolferstan, as a member of Cure Kids Board, and Professor Te Kani Kingi, Associate Professor Teuila Percival, and Dr Patricia Anderson as members of Cure Kids Medical and Scientific Advisory Committee.



Dee-Ann Wolferstan

Dee-Ann Wolferstan brings extensive leadership and governance experience and is highly regarded for her work improving outcomes for Māori.

Dee-Ann has 20 years of leadership experience and currently operates as the Kaihautu – Chief Executive for three lwi/Māori organisations: Te lwi o Ngati Kahu (Social Services for Ngati Kahu Runanga), Te Whare Ruruhau o Meri Trust (Te Pihopatanga o Te Tai Tokerau Social Service), and Te Kahui Mana Ririki Trust.

Dee-Ann also brings extensive governance experience, having served on the Board of Social Services Providers Aotearoa and as their chairperson for the past 4 years. This organisation represents around 200 NGOs working with at-risk children and young people and with families, whānau, and communities. She also holds lwi responsibilities as a Director of Fisheries for Te Runanga o Ngati Kahu, a Trustee of Te Runanga o Rakaipaaka Trust (PSG), and a Marae trustee.

"My greatest accomplishment is being a wife, mother, and now Nanny over the past 27 years. However, we need to understand what the future looks like for our mokopuna and mokomoko, and the research Cure Kids funds will be crucial in answering some of these big questions," says Dee-Ann.



Professor Te Kani Kingi

Professor Kingi (MRSNZ, Ngāti Pūkeko, Ngāti Awa, Ngāi Tai) has joined Cure Kids Medical & Scientific Advisory Committee.

Professor Kingi is Executive Director of Research at Te Whare Wānanga o Awanuiārangi, a Tertiary Institution in Whakatane, and sits on the Council for the Royal Society of NZ and the Interim Māori Research Electoral College. His specialist interests are in mental health research, psychometrics, and Māori health.

Prof Kingi's previous roles include Director of the Academy for Māori Research and Scholarship at Massey University, Māori Research Lead for the longitudinal study "Growing Up in New Zealand", and Chair of the Mental Health Commission's Advisory Board. He has also been a member of the Pharmacy Council of New Zealand, Statistics NZ's Māori Advisory Board, Ngā Pae o te Maramatanga's International Research Advisory Panel, the Expert Panel for the White Paper on NZ Children, The Glen Inquiry on Domestic Violence and Child Abuse, the NZ Public Health Association, the Mental Health Advocacy Coalition, the National Ethics Advisory Committee, the National Health Committee, the Public Health Advisory Committee, and several Research Committees for the Health Research Council.



Associate Professor Teuila Percival

Dr Percival (QSO, MBChB, FRACP) is a Director of Moana Research, an independent research foundation in Auckland and a Consultant Paediatrician at Kidz First.

Previously Dr Percival was Head of Pacific Health and Senior Lecturer at the School of Population Health at the University of Auckland. She has specific expertise in respiratory and rheumatic heart disease in young children, and her research has encompassed maternal and child health, climate change and health, child obesity, health systems, and informatics.

Associate Professor Percival has worked both in New Zealand and throughout the Pacific region in both clinical and research roles. She is Vice-President of the Pasifika Medical Association, Chair of Fale Futures Trust, Chair of South Seas Healthcare, a trustee of Ta Pasifika Primary Health Organisation, and serves on a number of government health advisory groups.

Associate Professor Percival was awarded a Queen's Service Order medal in 2010 for her services to the Pacific community.



Dr Patricia Anderson

Dr Anderson (BSc(Hons), SRN, MPhil, PhD) was most recently the Chief Advisor for Policy and Strategy at the Health Research Council of New Zealand (HRC).

During her two decades at the HRC, Dr Anderson led a range of initiatives to develop research priorities and strategic partnerships, and to demonstrate the value and impact of the government's investments in health research. She is now the Co-Director of a company delivering evidence-based exercise interventions and positive ageing strategies.

Dr Anderson is a trained nurse, with a MPhil in clinical pharmacology, and a PhD in medicine and therapeutics. She spent a decade as a researcher and lecturer in Hong Kong, specialising in pharmacogenetics, clinical pharmacology, statistics, insulin resistance, and the metabolic syndrome.

big research for little lives ●

Cure Kids Governance

Board

Franceska Banga (Chair)



Barrie Campbell

Secretary/Treasurer, Cure Kids ACA. Consultant to BKR Walker Wayland, Auckland

Frances Benge

Chief Executive Officer, Cure Kids



Alaister Wall

Consultant, Briscoe Group Limited

Dee-Ann Wolferstan

Kaihautu — Chief Executive, Te lwi o Ngati Kahu (Social Services for Ngati Kahu Runanga), Te Whare Ruruhau o Meri Trust (Te Pihopatanga o Te Tai Tokerau Social Service), and Te Kahui Mana Ririki Trust.

Roy Austin

CNZM BCom, CA.
Consultant to Northington Partners,
Auckland (Retired December 2021)

Russ Hewitt

Senior Exec, Vodafone

Professor Stephen Robertson

BMedSci, MBChB (OTAGO), FRACP, DPhil (OXFORD). Department of Women's and Children's Health, Dunedin School of Medicine, University of Otago, Dunedin The Board provides governance management; administering and controlling Cure Kids. To ensure there is a breadth of experience around the Board table, the constitution requires that the Board includes at least four members with business experience, as well as a Chartered Accountant currently or formerly in public practice and the Chair or a representative of the Medical and Scientific Advisory Committee).

Members

Beryl Robinson Rotary in New Zealand

Tony Fortune

Rotary in New Zealand

Bruce Rasmussen

Rotary in New Zealand

Dr Nicola Austin

Paediatric Society of New Zealand

Associate Professor

Philip Pattemore
Royal Australasian College of Physicians

The five Cure Kids Members participate in constitutional and governance management aspects of Cure Kids. Three are drawn from our founding partner, Rotary in New Zealand, continuing its proud association and support of Cure Kids. The fourth Member is the current President or nominee of the Paediatric Society of New Zealand, while the fifth Member is a South Island based nominee from the Board of Paediatricians of the Royal Australasian College of Physicians.

Cure Kids Board Advisors

Professor Stephen Robertson

Cure Kids Chair of Paediatric Genetics

Professor Andrew Day

Cure Kids Chair of Paediatric Research

Professor Sally Merry

Cure Kids Duke Family Chair of Child and Adolescent Mental Health

Professor Stuart Dalziel

Cure Kids Chair of Child Health Research

The Board also has the ability to co-opt Advisors as non-voting Board Directors. The current Board have co-opted the four Cure Kids Professorial Chairs as advisors.



Honouring Dr Bruce Scoggins

On Friday 18 March 2022, New Zealand lost one of the brightest minds in health research with the passing of Dr Bruce Scoggins.

Since 2007, Dr Bruce Scoggins chaired the Medical and Scientific Advisory Committee of Cure Kids. He was a Board member, and he led an evaluation of the impact generated over 50 years by the charity's investments in child health research. He also initiated an annual review of the state of child health in New Zealand.

Despite this huge 15-year voluntary commitment, Dr Scoggins was forever humble, saying "I see myself as working behind the scenes. The others are the ones doing the really hard work."

Dr Scoggins' legacy will live on through Cure Kids' work. We will continue to uphold his commitment to supporting world-class child health research to have a meaningful impact on the health of our tamariki.

I see myself as working behind the scenes.
The others are the ones doing the really hard work.

Dr Bruce Scoggins

Medical and Scientific Advisory Committee

Over our 50-year history, Cure Kids' visionary donors have funded research projects that have resulted in significant and life-changing breakthroughs in child health.

Every project we approve for funding is reviewed by our medical and scientific advisory committee. The recommendations provided to our board by the Committee are based on each project's ability to either advance understanding of the cause of a disease, improve care for children who live with it, or develop a cure or new way to prevent it. Cure Kids also relies on hundreds of experts who provide independent scientific peer review on all shortlisted proposals.

Cure Kids Committee includes some of the biggest and brightest brains in child health research. They are doctors, professors, scientists and researchers who have achieved outstanding results in their fields. They make sure that Cure Kids only funds the most innovative, high-quality, and ethical science.

Thank you to our donors and our expert volunteers for your hugely valuable contribution to improving the lives of our tamariki.

Thank you Associate Professor Justin Dean

In 2021, Associate Professor Justin Dean stepped down from the Committee. Since 2016, Dr Dean had volunteered his time and contributed his significant expertise in neuroscience and physiology, with a particular focus on fetal and perinatal brain development, hypoxia-ischaemia, and demyelination.

Our MSAC members



Dr Bruce Scoggins (Chair)
MAgrSc (Cant), PhD (Melbourne)



Professor Stephen Robertson BMedSci, MBChB (Otago), FRACP, DPhil (Oxford)

CLICK (%



Professor Stuart Dalziel
MBChB (Otago), FRACP

CLICK



Professor Andrew Day
MBChB (Otago), MD, FRACP

CLICK Sm



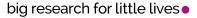
Professor Sally Merry
MBChB, FRANZCP, MD
CLICK



Professor Barry Taylor
MBChB (Otago), FRACP

CLICK (m)





From tragedy comes 40 years of child health research

The story of the Kirsty McDermott Memorial Fund

The Kirsty McDermott Memorial Fund began in 1982. Today it totals nearly \$3m. In the 40 years the fund has been operating, it has supported \$3.592m worth of child health research

Remembering a treasured child

Kirsty McDermott, the second daughter of Lynne and Philip McDermott, lived for most of her short life with a serious blood disorder. Tragically, she died at the age of seven in a car accident.

On hearing about her death, members of the Boston Wool Trade, who had a long business association with the McDermott family, proposed a memorial fund.

Birth of the trust

The Kirsty McDermott Memorial Trust was formed in 1982 and had two objectives: to promote research that advances the treatment of blood disorders in children; and to encourage the exchange of information between medical schools in New Zealand and the USA.

During the trust's early years, more than 10 grants were made to various medical professionals, including:

- Dr David Nathan, Emeritus Professor of Paediatrics at Harvard Medical School. Invited by Professor Bob Elliot, Dr Nathan was the first Kirsty McDermott Visiting Professor to New Zealand.
- Dr Stephen Sallan, Associate Professor of Paediatrics at Harvard Medical Centre. Dr Sallan visited Auckland as a follow-up to Dr Nathan's earlier visit.
- Dr Marianne Empson, supported in her research into the referral systems for childhood cancer management in New Zealand.
- Dr David Mauger, supported on a programme of overseas postgraduate study aimed at identifying a computer system suitable for record management in oncology.
- Dr A Chang, to assist with postgraduate research into paediatric-related haematology.
- Auckland Medical School, to provide a cryogenic frozen storage unit for the haematology department.

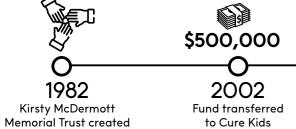
- Dr Elizabeth Manco-Johnson, Associate Professor in Paediatrics at the University of Colorado, for a visiting professorship to Auckland.
- Dr Edward Theakston, to gain experience in bone marrow manipulation, aphaeresis of children, and cord blood banking and transportation.
- Dr Rohan Ameratunga, Paediatric Haematologist at Starship Children's Hospital, to attend a two-year research scholarship at the Johns Hopkins University in Baltimore.

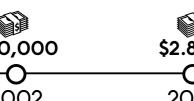
Kirsty's grandfather, Peter McDermott, was President of the Child Health Research Foundation for many years. In 2002, on his advice, funds from the Kirsty McDermott Memorial Trust were transferred to the foundation (now Cure Kids) to set up a capital fund in perpetuity, known as The Kirsty McDermott Memorial Fund. Over the past 20 years, this fund has grown from \$500,000 to \$2.896m.

Recent research projects supported by the fund

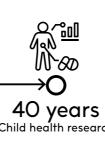
Careful management and collaborative partnerships with other foundations, such as the Child Cancer Foundation and the Lindsay Foundation, has allowed the fund to support \$3.592m of research. Since 2008, the Kirsty McDermott Memorial Fund has assisted these researchers:

- Sophie Cameron-Christie, the genetic basis of biliary atresia (BA)
- Sarah Holman, the genetics of skeletogenesis: the molecular function of WTX
- Dr Andy Wood, Molecular pathogenesis of ETV6 mutations in acute myeloid leukemia
- Dr Andy Wood, Precision Paediatric Cancer Project (more about this following)
- Dr Jiney Jose, targeted therapy for treating paediatric high grade gliomas











An example of how tragedy can become a force for good

The success of the Kirsty McDermott Memorial Fund shows how one family's tragic loss has been transformed into a powerful force for child health. Memorial funds are an effective mechanism for remembering a cherished child and changing lives for the better.

The biggest success story for the Kirsty McDermott Memorial Fund to date is Dr Andy Wood's research into the genetic mutations that cause cancer in children.

Known as the Precision Paediatric Cancer Project (PPCP), this ground-breaking research is finding better ways to match cancer mutations to specific medicines. These matches are known as 'targeted therapies'. Funding from the Kirsty McDermott Memorial Fund prompted additional financial contributions from the Child Cancer Foundation and the Lindsay Foundation. This collaborative funding effort gave Dr Wood what he needed to make his research a game changer for children with genetically-linked cancers. One of those children is Lucca.

Lucca was diagnosed with cancer at just 16 months of age. Surgery removed 90% of her tumour, but her cancer was identified as resistant to traditional chemotherapy and radiation. Dr Wood knew that patients with a similar type of cancer carried a gene marker that had been responsive to the chemotherapy drug crizotinib. He tested Lucca's DNA to identify if she had a specific marker. She did, so he prescribed the drug.

Lucca is alive and thriving, thanks to her targeted therapy.

Trusts and Foundations

We are enormously grateful for ongoing financial support from these trusts and foundations.

CHILD CANCER FOUNDATION

DUO TRUST

ESTATE OF ERNEST HYAM DAVIS & THE TED AND MOLLIE CARR ENDOWMENT TRUST

EPILEPSY FOUNDATION OF NEW ZEALAND

FIJI WATER FOUNDATION

FINDEX COMMUNITY FUND

FOUR WINDS FOUNDATION

HUGO CHARITABLE TRUST

JAMES SEARLE SAY TRUST

JET TRUST

KPS SOCIETY

LINDSAY FOUNDATION

LION FOUNDATION

LK COONEY FAMILY TRUST

PAEDIATRIC SPECIAL INTEREST GROUP OF PHYSIOTHERAPISTS

PERPETUAL GUARDIAN

PUKA PUKA TRUST

RA DUKE TRUST

RODMOR CHARITABLE TRUST

SILVER LINING CHARITABLE TRUST

SUTHERLAND TRUST

THE TRUSTS COMMUNITY

FOUNDATION

THE SOCIETY OF MARY TRUST

T M HOSKING CHARITABLE TRUST

TRINITY FOUNDATION

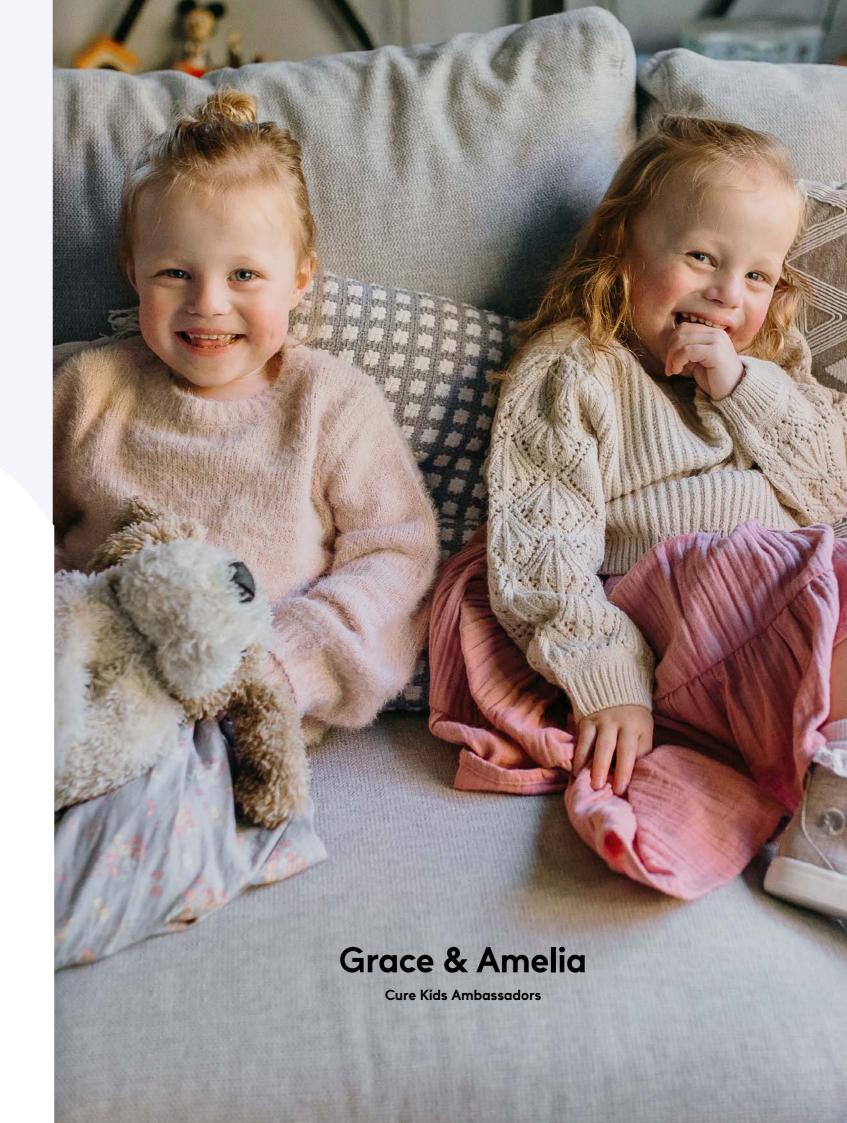


A big thank you to the

Lindsay Foundation for contributing \$250,000
toward Dr Andy Wood's research into new
ways to treat rare aggressive cancers.

Also from ongoing funders such as the **Lion Foundation**, who provided crucial operational support to Cure Kids in 2021.

Similarly, the Rodmor Charitable Trust, Four Winds, Trinity and Duo Trusts have been supporting our work for over a decade.



21 33

Giving that goes both ways

Honouring 18 years of support by the Briscoe Group.

When a big corporate decides to put its weight behind an important cause, a huge amount of good can be done. But what isn't immediately obvious is the payback for the corporate involved.

After 18 years of helping Cure Kids, Briscoe Group can feel rightly proud of the significant impact they've made on the future of child health in New Zealand. In return, they're delighted with how the partnership has contributed to team spirit and positive work culture at all their retail stores.

A partnership that has put millions towards child health research

Since 2004, Briscoe Group has been directly responsible for raising \$9.2 million for Cure Kids. This includes \$868,546 raised in 2021, the highest yearly total for the 18-year relationship. This spectacular result has been achieved through golf days, 'add-a-dollar' in store promotions, instore fundraising during Red Nose Day and participation in Cure Kids fundraising adventures. On top of this, Briscoe Group Managing Director Rod Duke funded the mental health work of Professor Sally Merry until her retirement in 2021 through the Duke family trust.

It all began with a golf day

In 2004, keen to be a good corporate citizen and bring a softer, more human side to the hard-driving retail group, Briscoe Group wanted to support a charity that aligned with their values. Rod Duke explains why they eventually chose Cure Kids

"Having re-built the Briscoes brand and successfully launched Rebel Sport we decided to look around to ways we could put something back, to reinvest our profits back into the community that had responded so well to our offer. We chose Cure Kids primarily because the money raised would be spent researching into better treatments, preventions and care for young people living with serious health issues. We felt strongly that investing in child research would have lasting benefits for many years to come. In so doing, we were able to bring our business community along with us to significantly increase our total contribution. Collectively, we all felt we were doing something worthwhile, that would change the lives of many of our young people."

Briscoe Group's first activity as a corporate sponsor was the launch of Briscoes Golf Day, a fundraising event that has been held every year since 2004 – with the exception of 2021, which was skittled by the pandemic. The golf day was a master stroke by Briscoes, because it involved getting other businesses to play ball for Cure Kids. Rod roped in a

number of Briscoes and Rebel suppliers, and many of these organisations are still working with Cure Kids today.

"We wanted to gather in other companies and corporates that were keen to support a good cause. Our golf day is a way to collectively make a significant impact for Cure Kids, rather than the diluted effect you get when lots of companies contribute a small amount to a range of causes."

Add-a-dollar campaign

Buoyed by the success of the first Briscoes Golf Day, the then Deputy Managing Director of Briscoe Group Alaister Wall introduced the 'add a dollar' campaign to Briscoes stores in 2005. At checkout, customers are prompted to add a donation to their purchase to help Cure Kids. This powerful campaign now takes place twice a year in all Briscoe Group stores – Briscoes, Rebel Sport and Living & Giving. In 2010, Alaister Wall joined the Cure Kids Board and he's still serving today.

Additionally, stores in the Briscoe Group get in behind Red Nose Day and come up with their own ideas for fundraising between campaigns.

A highlight for Briscoe Group was participating in the Cure Kids Great Adventure Race, a team challenge that involved hiking and biking around a course in the Hunua Ranges. Another exciting fundraiser was the \$10 Challenge, which saw 25 teams leave Auckland on a three-day race to reach Queenstown for just \$10.

"The Briscoes teams that participated in these events really enjoyed the double challenge of raising funds and completing an adventure," says Alastair.







How Briscoe Group has benefitted from the partnership

Modern corporate sponsorships involve advantages that go both ways. Cure Kids has received massive financial support that has allowed us to drive a wide range of research projects, including our Innovation and Discovery granting round. In return, we're delighted to know the relationship has positively impacted their business.

Rod Duke says the partnership with Cure Kids goes beyond brand recognition. From a company culture point of view, there are multiple positive spinoffs.

"The staff really embrace our partnership with Cure Kids, especially the fundraising campaigns. It becomes an interisland competition with serious bragging rights. Our people feel proud of what they have achieved and are always challenging themselves to do more."

Andrew Scott, COO at Briscoe Group, agrees

"There are many great examples of our team going above and beyond for Cure Kids. For example, one year Briscoes Masterton created a raffle that customers could enter with a donation. Team members regularly make sweet treats, and they sold a range of plants supplied by another team member."

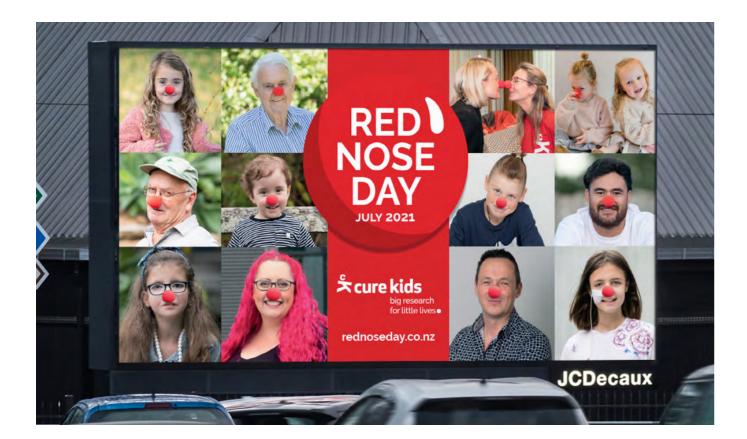
The Duke family's support for children's mental health

When Rod and wife Patricia Duke heard about the work Professor Sally Merry was doing in the child and adolescent mental health space, they brought their own family trust on board to support this imperative work.

From 2015 - 2021, the Cure Kids Duke Family Chair at the University of Auckland led brilliant research focusing on understanding mental health conditions in children. Harnessing the accessibility of technology and the smart phone, Professor Merry developed treatments and prevention strategies that are easy to access, homebased and interactive. Caregivers are now able to access these phone apps as tools to build resilience and improve mental wellbeing for their children, themselves and the wider whāngu.

This important work would not have been possible without the generous support and commitment from Duke family trust.





Cure Kids welcomes two new partners – Bayleys and JCDecaux

BAYLEYS

Bayleys, New Zealand's largest full-service real estate agency came on-board as a Platinum Partnership for Cure Kids.

Businesses are more aware of the ability to effect positive change post-COVID, and our elite partnership with Cure Kids speaks to a deeper commitment for Bayleys as a purpose-led organisation focused on giving back to Aotearoa through causes aligned with our people and values.

Mike Bayley, Bayleys, Managing Director

With a national network of over 90 offices and 2,000 personnel, Bayleys will help raise much-needed funds through sponsorship events and fundraising initiatives.

Thank you Bayleys! (LEARN MORE)

JCDecaux

Leading Out-of-Home media company JCDecaux New Zealand commenced a long-term partnership with Cure Kids as part of its new social impact initiative, JCDecauxHEART.

As part of our long-term partnership with Cure Kids, JCDecaux will provide Out-of-Home advertising space across the network, to bring awareness to the charity and assist with fundraising efforts, including Cure Kids' flagship annual fundraiser, Red Nose Day.

JCDecaux is committed to supporting Cure Kids and developing a relationship that extends beyond media space; we will be looking for ways to involve stakeholders, partners and agencies to further help its cause.

Mike Watkins, JCDecaux, New Zealand Country Head

Thank you JCDecaux! (LEARN MORE god

I'm very passionate about the work Cure Kids does.

My reason for supporting all started from my own experience with my daughter. If it wasn't for the specialised treatment she received, I don't know what would have happened.

"In 1993, I fell pregnant and from 12 weeks it was pretty touch and go. My daughter was delivered 12 weeks early at Waikato Hospital. Both her lungs had collapsed but the staff at Waikato Hospital were amazing. I look back and think about what I went through and can't imagine what some parents go through. This really stuck with me.

"Now, my daughter is doing well and has a daughter of her own. I support Cure Kids because it is just so satisfying to know that I can help find cures for any childhood illness and support mental health research.

For us, it's such a good cause to give to. 5,5

Glennis Switalla



Glennis, one of our incredible regular givers at Cure Kids.

Thank you!

Our partners



Aramex pulled out all the stops on Red Nose Day. They worked with Cure Kids ambassador Mela and her sister Boe to design a Red Nose Day courier satchel. For the entire Red Nose month of July, businesses

and homes throughout New Zealand received their items in this special Red Nose Day branded pack.

Aramex regional business owners delighted with their generosity too. They donated one cent to the appeal for every parcel delivered. And, if they chose to increase this to two cents, the company matched it.

Vans and trucks adorned red noses, and they even sponsored the Gala Dinner in Napier.

Overall, an outstanding \$88,500 was donated in 2021.

During our Red Nose Day and Christmas appeals, Columbus Coffee stores collected donations, and many stores hosted fundraising events.

We would like to give a big shout-out to Monique and her team at Columbus Coffee at Mitre 10 Mega Pukekohe. They put their hearts into fundraising for Red Nose Day 2021 with an epic "evening of good deed" event. The fundraiser involved a cooking show by the tattooed butcher, a competition, bingo, and a roast meal.

Thanks also to the team from Columbus Coffee Pakuranga who teamed up with Pakuranga Peninsula Girl Guiding (Tāmaki ki te Tonga) for a gorgeous cupcake decorating fundraiser event on Red Nose Day.

big research for little lives

aramex IN RAM

Ingram Micro hosted their annual Cure Kids golf day on March 18th, 2021. Suppliers, customers, and friends joined in the fun and raised money through sponsors, entry fees, food stands, and a fabulous post-play auction.

Jake Troake and his family attended the event. They're on a mission to honour their son Pete's dying wish to complete every single golf course in NZ while raising

funds for Cure Kids. Pete died from a rare form of bone cancer at age 17 but his legacy lives on.

The team also joined the fun on Red Nose Day with a dressup event and bacon butties, and they donated five laptops to support Cure Kids Fiji during the year.



Russ₂II Mc\ agh

Russell McVeagh has provided Cure Kids with ongoing pro bono legal advice for many years. The team also supports our fundraising initiatives and gets right behind us on Red Nose Day.

Hansen got down to business at Fieldays. They set up a fun interactive stand that included a climbing wall for the kids and lengths of branded pipe to give away for a coin donation. They also held an internal fundraiser.

Overall, they raised \$10,000.





In January, Kelly Sports hosted a fabulous water day for their students in Auckland. There were inflatables and plenty of fun-filled games and activities for the kids to enjoy.

> Kelly Club got right behind Red Nose Day. They created a range of Cure Kids related activities and crafts. The goods were sold at markets within their schools. Hooray for their ingenuity.



Shopping never felt so good. Thanks to ShopGood, kiwis were able to get the entire family sorted for Christmas with the wide range of incredible brands and products available at shopgood.co.nz. Best of all, for every purchase during November, ShopGood donated a percentage of profit to Cure Kids.



A toast to 50 years of child health research

In celebration of Cure Kids' 50th anniversary, the Babich family released a limited-edition wine and generously gifted all profits to Cure Kids.



Glengarry, New Zealand's oldest and one of the largest, family-owned liquor retailers, heard what Babich was doing and signed up to help. They generously managed the sale and distribution of the wine to ensure Cure Kids received maximum profits.

aramex

Cure Kids' loyal partner Aramex stepped in and offered to deliver the wine free of charge on every purchase as the cherry on top.

⊖theta

Through gruelling winter conditions, teams from our partner Theta bravely completed the Whangamata Adventure Race to fundraise for Red Nose Day.

"Despite challenging weather conditions, all three teams made it to the finish line, motivated by our motto that 'it's all about the kids.' We've taken part in adventure races for the past 10 years, and they're a primary driver for our fundraising efforts. For many of us, it was our first taste of adventure racing and a big push outside of our comfort

zones!! When you're doing it for such a great cause, though, it's absolutely worth it." Head of Project Delivery at Theta NZ, Phoebe Dobson.

The adventure race and a special luncheon the day prior helped raise \$11,600.



big research for little lives.

Red Nose Day

Red Nose Day is Cure Kids' biggest annual appeal when incredible kiwis come together to raise money for child health research. The appeal is huge fun with businesses, schools and community groups across the country all signing up to do their bit.



Schoo

142 schools registered \$42,897 raised Average Donation \$302



Community Fundraising

\$37,051 raised 500 text donations Many community events



Businesses (excl. Partners)

41 businesses \$10,983.17 raised



...& more!



Overwhelming generosity at Cure Kids Gala in Napier

The generosity in the room was overwhelming at the annual Cure Kids gala dinner in Napier, where about 180 guests turned up and raised more than \$70,000 for child health research. Cure Kids thanks the incredible supporters in the region who

have partnered with us for many years to help deliver better health outcomes for children in New Zealand.

The Breakers take on Hobsonville Point Primary School

Jeremy and his father, Franky Wang, featured in a Red Nose Day report on Breakfast TV to help raise awareness for Red Nose Day.

The father-son duo also assisted with Hobsonville Point Primary's epic Red Nose Day fundraiser! They invited Sky Sport Breakers NZ players for a very special Red Nose Day school vs team play-off.

Jeremy was born preterm, and his father, Franky, is a massive advocate for the value of child health research. We thank them for their ongoing commitment.



Isla asks the big questions

Our ambassador, Isla, became a reporter on Kea Kids News for Red Nose Day and what a little star she was. She reported on some important research funded by Cure Kids into lazy eye syndrome — a project led by Dr Jason Turuwhenua and his team at The University of Auckland — and talked about her experience living with type 1 diabetes.



New hope for kids like Ben

Cure Kids ambassador Ben lives with spina bifida and hydrocephalus. Ben and his mum Catherine went on The Project to share their story and how a remarkable research project has given them new hope. The Cure Kids' funded project, led by Dr Simon Malpas and his team, could be life-changing for children living with hydrocephalus.



St Mary MacKillop makes the whole world smile

Ex-Blues player and Cure Kids' ambassador, Matt Johnson, turned up to St Mary Mackillop Catholic School to celebrate Red Nose Day with the students. He bought along a bunch of teammates from Auckland Rugby who gave the students a morning to remember.

Matt spoke to the AM Show about how rheumatic heart disease has impacted his life and how he's working with Cure Kids to prevent other kids from suffering.



St Mary Mackillop Catholic School students also went live on TV to discuss what Red Nose Day means to them. As a special treat, they showed their musical talents by singing their version of You Make the Whole World Smile.



Warming tootsies and hearts

NZ Sock wanted to release a sock to raise money for the Red Nose Day appeal, so they asked kiwi kids to send in their designs. New Zealand's youngest designers did them proud and they were delighted to make Miss Lexi's sock.

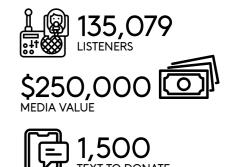
Made locally in Ashburton from Merino Wool, this Red Nose Day sock warmed tootsies and the cockles of their customers' hearts throughout winter.

Red Nose Day takes over The Hits

On July 30th, The Hits turned red in support of Red Nose Day, ensuring their audience got right behind the cause.

The Hits helped Cure Kids reach a huge number of New Zealanders to increase awareness of Red Nose Day and raise much-needed funds for child health research.

From ads to liners to social content and heart-warming interviews with our ambassador families, The Hits went above and beyond.



The result? 135,079 listeners reached across The Hits digital platforms, over \$250,000 in media value, and 1,500 text-to-donate messages from their listeners.

Thank you, The Hits.

big research for little lives

41

Fundraising in our community

Ben Parore

Ben is a long-time community fundraiser and dedicated supporter of Cure Kids, and we can't thank him enough for all he's done. From running the New York Marathon and raising over \$7k in 2019, to hosting his own 24-hour gym challenges in Tamaki Makaurau and raising over \$20k, it's clear that Ben really does go above and beyond.



Cameron McPhail

Cameron has raised \$1,485 and counting by challenging himself to:

- 1. Run every day for the next year
- 2. Run 3000km in the next year
- 3. Run one marathon per month for the next year



Abby Broome

Abby is a teacher who, through her family, friends and school network raised \$8,270 to shave her hair off for Red Nose Day!

What a hero.

Quiz night Hamilton

Kendal Scheurich ran a quiz night in Hamilton for Red Nose Day and couldn't believe her success with over \$1,600 raised on the night.



Dave Mason

Dave worked at Theta, a longstanding partner of Cure Kids, for many years. He's since moved on, but still has a passion for the charity. He will be cycling from Cape Reinga to Bluff for over 3 weeks as a part of Tour Aotearoa 2022.





Meet Kase



Kase lives with cystic fibrosis, a debilitating, life threatening, incurable disease. Cystic fibrosis is typically detected by a heel prick at birth, but Kase wasn't diagnosed until he was 8 years old.

Janine Williams, Kase's Mum, tells us about the family's experience.



"Post diagnosis, Kase continued to play basketball, touch and rugby, all at representative level, however as he gets older he struggles a bit more to keep up, especially at representative level. So fortunately, he managed to find another love, and one that doesn't require such emphasis on his lungs.

"As a young boy Kase frequented the stockcars with his Dad who use to pit crew for a local driver. It was here that Kase established his love for this new sport, and it became his dream to own and drive a mini stock.

"Through an extremely generous donation, made by an another organisation, that allowed him to purchase a car,

Kase has been living out his dream over the past year and tearing up the local and other tracks around New Zealand. His confidence has grown over a short amount of time and he even managed to gain 3rd place at the Huntly Future of Speedway meet.

"This success obviously installed even more drive in him and I'm not going to lie, I'm worried that he may ask for a superstock car in the future. We might need to keep buying lotto tickets to afford that one though!! Kase is a shining light in our lives. His resilience, determination and drive to live life to the fullest makes us incredibly proud of him."

Janine Williams, Kase's Mum

43

Cure Kids Fiji Islands

Cure Kids is working to improve the health of the children of Fiji, with generous support from people and organisations who are inspired by the impact we can make with research and evidence-based medicine.

Cure Kids' main efforts are focused on rheumatic heart disease and severe respiratory illnesses, such as pneumonia. Cure Kids is actively expanding both of these programmes of life-saving research.

Control and prevention of rheumatic heart disease

What is Rheumatic Heart Disease (RHD) and how big is the health problem in Fiji?

RHD is a serious heart condition that occurs following an attack of Acute Rheumatic Fever (ARF), with the Pacific region having one of the highest reported RHD incidences in the world. RHD is the leading disease-related cause of death for young people in Fiji. Echocardiography-confirmed RHD prevalence in Fijian children aged 5-14 years is 35.4 per 1,000 which equates to approximately one child in every classroom living with RHD. At least 60 deaths a year are attributed to RHD.

In partnership with the New Zealand Ministry of Foreign Affairs & Trade, FIJI Water Foundation, AccorHotels, the Fiji Ministry of Health (Fiji MOH) and world-leading RHD experts from Australia and NZ (University of Melbourne and University of Auckland), Cure Kids is leading a national-level, research-based project, improving and building capacity across all aspects of RHD control and prevention.

FIJI Water Foundation generously provided funding for echocardiography machines which are critical to the delivery of the project. We are grateful for their support, and the support of our project delivery partners.

What is the project aiming to accomplish?

The goal is to expand and strengthen the existing Fiji Rheumatic Heart Disease Control Programme to include developing new models of ARF/RHD care and prevention with the aim of reducing RHD related disability and death. Fundamental to Project outputs is an effective national co-ordination structure for the Fiji RHD Control Programme (Fiji MOH). Increasing capacity at this level will provide a governance model that can continue beyond the life of the Project.

2021 Programme Highlights Include:

- Phase 2 of the programme officially launched by His Excellency the High Commissioner of New Zealand Mr Jonathan Curr and the Permanent Secretary for Health Dr James Fong in February 2021.
- Development of Protocols, Standard Operating Procedures, and documentation to pilot echocardiography screening of 1000 first-degree relatives and 3000 pregnant women at Colonial War Memorial Hospital.
 - Extension of nurse-led echo screening for RHD to schools outside Suva (Rewa, Lautoka, and Labasa) and pilot use of incentives
 - to improve adherence to treatment programme, targeting over 5800 children
 - As a result of programme activity national annual adherence rates to secondary prophylaxis has increased from 12% to 36% (2015-2020).
 - Launch of civil society organisation (CSO), Heart Heroes Fiji on social media platforms to raise awareness and deliver RHD education.
- Development of education and awareness material for RHD patients and their carers, peer-to-peer support activity, and maternal counselling.
- Recruitment of all programme stream managers, research officers, Health Economist Research Officer, and CSO staff.
- 4 -week outreach to administer COVID-19 vaccinations and secondary prophylaxis with Benzathine penicillin to 113 people living with RHD and their families.
- 647 cases contacted and counselled on COVID-19 and RHD by the outreach team, with 195 cases either requiring field team visitation, further counselling or clinic booking and echocardiography reviews.



Minister for Health and Medical Services Hon. Dr Ifereimi Waqainabete with New Zealand's High Commissioner to Fiji Mr Jonathan Curr and team members from New Zealand Ministry of Foreign Affairs and Trade (MFAT), Fiji Ministry of Health & Medical Services, and Cure Kids Fiji at the announcement in October 2021 that MFAT would fund Cure Kids' oxygen project.

Fiji oxygen project

Life-saving treatment with oxygen

Respiratory conditions such as severe pneumonia in children and newborn babies are leading causes of death in Fiji, but treatment with oxygen can save lives.

Since 2016, Cure Kids has worked in collaboration with the Fiji Ministry of Health and Medical Services and the University of Auckland to enable sustainable access to oxygen at healthcare centres around Fiji to manage hypoxaemia (oxygen-starvation) in children with pneumonia and other serious respiratory conditions.

The oxygen solution

The Fiji Oxygen Project aims to improve access to oxygen throughout Fiji, using a systems approach to ensure quality of care, cost-effectiveness, and sustainability. The project identifies patients needing oxygen (with pulse oximetry) and ensures that oxygen is available and appropriately used to treat them. The Project uses oxygen concentrators to supply oxygen, and for health centres with unreliable power supplies, solar power is installed to ensure that a 24/7 supply of oxygen is available for patients who need it.

This solution is designed to be scalable and sustainable and is intended to contribute to a broader national plan for oxygen in Fiji, with the ultimate goal of ensuring that all communities have access to oxygen. The project team collects data so that it can measure

the quality, reliability, user-friendliness, and costeffectiveness of this system, including at health facilities with limited or no mains power.

Project support

The Fiji Oxygen Project has been made possible through the generous funding of supporters including the New Zealand Ministry of Foreign Affairs & Trade and the Rotary Club of Remuera Inc in Auckland, New Zealand and the Rotary Club of Suva. The Rotary Grant, which includes funds from the international Rotary Foundation, is enabling installation of 24 additional oxygen concentrators in eight new sites around Fiji.

COVID-19 and the Fiji Oxygen Project

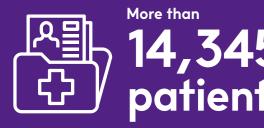
The people of Fiji experienced high need for oxygen treatment during outbreaks COVID-19 in 2021, before vaccines became available.

In 2021 the New Zealand Ministry of Foreign Affairs and Trade (MFAT) announced a NZ\$4 million grant to boost Fiji's oxygen supply and build treatment capacity in the face of the COVID pandemic. This grant contributes to staff, equipment, training, research, and planning to save the lives of COVID-19 patients needing oxygen.

Support from Australia Aid, FIJI Water Foundation's Wonderful Giving Programme, ANZ, Armacup, Captain Cook Cruises, VOMO Island Fiji, and Ranadi Organics has also been crucial to the success of the Oxygen Project.

Because no child should die for lack of oxygen.

2021 Programme Highlights



treated with life-saving oxygen to date.

105

concentrators





52
pulse

...in health centres across Fiji.

Trained more than

600 clinical staff to treat patients with oxygen and

51 biomedical staff

on installation, repair, and maintenance of equipment.



Recruitment and training of

6 new staff

including three nurse coordinators and three biomedical technicians, embedded within the Fiji Ministry of Health & Medical Services. Purchased and distributed over

\$774,000



equipment and consumables most urgently needed to ensure oxygen for patients affected by COVID-19 across Fiji.

Supported the Fiji government's coordination of the oxygen and respiratory treatment aspects of the COVID-19 response.



training innovatively delivered by



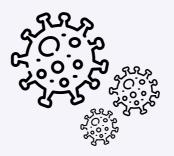
webinar, online, and face-to-face.

Published

cost-benefit analysis research



reinforcing the approach of the Project



cure kids fiji islands

COVID-19 Response

During the COVID outbreak, Fiji Ministry of Health also asked Cure Kids to collaborate on efforts to vaccinate those who are most vulnerable to the severe effects of COVID-19.

People living with RHD have damaged heart valves, which makes them vulnerable to severe symptoms of COVID-19 infection. Therefore, they need to take additional care to avoid infection.



The Cure Kids team spent 4 weeks visiting people living with RHD who asked to have their vaccinations and antibiotics given in the safety of their own homes. Team members also offered advice, support, and information as they visited children and families in the Suva-Nausori corridor.

Salailagilagi Talei in Narere receiving her vaccine following counselling and outreach by the RHD team

Investing in expertise to improve health for children

In 2020 Cure Kids Fiji proudly announced funding of a scholarship for Dr Sainimere Boladuadua.

The scholarship from Cure Kids Fiji supported Dr Boladuadua to start a PhD at the University of Auckland, co-supervised by Fiji National University, with the research topic 'Improving access to care for sick children to reduce mortality and morbidity: mixed methods studies of high-priority child infectious diseases in Fiji and New Zealand'.

Dr Boladuadua's project directly aligns with Cure Kids Fiji's mission — to improve the health of children in Fiji. The findings of this research will inform improvements for children in both Fiji and New Zealand, and by completing the PhD Dr Boladuadua will be in a position to promote Pacific-specific health research and foster further collaboration between Fiji and New Zealand's health sectors.



In 2021 Dr Boladuadua was also awarded a prestigious Health Research Council fellowship to support her work.

This is the second PhD Scholarship which Cure Kids Fiji has funded. In 2019, Cure Kids Fiji funded Dr Joseph Kado to begin his research on prevention of Rheumatic Fever and Rheumatic Heart Disease — another area in which Cure Kids Fiji works.

Dr Sainimere Boladuadua

Partner Support

Cure Kids Fiji is humbled by the committed and passionate support of our sponsors and donors, without whom our work would not be possible. We would also like to extend a special thanks to the many individuals and organisations who participate in and support our events to help us reduce costs and maximise fundraising. This includes the MFAT NZ Aid Programme, the Australian Government, AccorHotels, Armacup, FIJI Water Foundation, VOMO Island Fiji, Captain Cook Cruises, Ranadi Organics, Rosie Holidays, UB Freight, and Star Printery.

Fiji Water Foundation & The Wonderful Giving Programme

Cure Kids Fiji is incredibly thankful to have the support of FIJI Water Foundation since day one, 12 years ago. As one of our most committed and generous partners we've been able to continue funding vital child health programs to improve, extend and save the lives of Fijian kids.

Over the past years the FIJI Water Foundation has collectively donated over FJ\$1 million towards Cure Kids' work in controlling and preventing RHD in Fiji, and an additional FJ\$119,480 through their Wonderful Giving Programme, which supports the Fiji Oxygen Project.

Cure Kids Fiji is proud to be a long-time partner of FIJI Water Foundation, one of Fiji's largest philanthropic organisations. FIJI Water Foundation has a range of priorities which include improving access to healthcare services for underprivileged communities. The generous support of FIJI Water Foundation has enabled Cure Kids to extend its RHD programme, including the Rheumatic Fever Information System, a live database of young people and adolescents living with RHD, and echocardiography equipment critical to the detection of new cases.

Cure Kids Ventures

Cure Kids Ventures (CKV) is a seed and early stage investment fund that invests in the commercialisation of innovations in products and services with the potential to benefit child health.

CKV invests in emerging healthcare companies with products and services covering medical devices, medications, diagnostics, health information and healthcare delivery systems.

As a predominant investor in New Zealand's seed and early stage healthcare and biotech sector, CKV has established a reputation as an informed and value-added investor in the investment community.

In addition to investment funds, CKV provides investee companies with healthcare industry-specific expertise and access to industry networks.

CKV Co-Fund

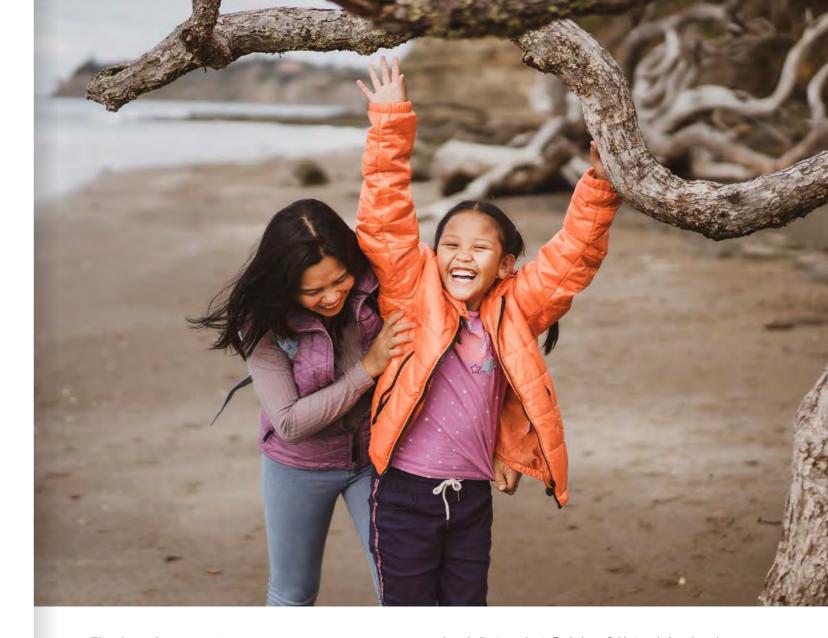
Cure Kids Ventures launched its second fund in 2018. This co-investment Fund 1 has enabled investors interested in emerging healthcare companies to invest alongside CKV.

The CKV Co-Fund invests in seed, early stage and early expansion stage companies in medtech, biotech, healthtech and healthcare with the potential to benefit and impact child health.

The CKV Co-Fund portfolio currently includes Avalia Immunotherapies, Chitogel, Chnnl, The Clinician, Formus Labs, RespirAq and Noted.

Portfolio

Porttolio	
ableX	AbleX Healthcare Computerised rehabilitation for treating neurological conditions
♣ Amaroq	Amaroq Therapeutics A novel class of therapeutics that target cancer
avalia immunotherapies	Avalia Immunotherapies Immune therapies that support treatment and prevention of infectious diseases and cancer
Chitogel [*] ≯	Chitogel A postoperative nasal gel dressing.
chnnl	Chnnl Software for monitoring mental wellbeing
THE CLINICIAN	The Clinician Cloud-based health management platform for outcome measurement, patient engagement, care co-ordination and analytics
formuslabs	Formus Labs Orthopaedic pre-operative planning software
MicroGEM	MicroGEM Instrument for DNA extraction and identification
NOT€D	Noted Web-based client management for health and social care providers in the community.
NZeno	NZeno Gene technology aimed at delivering pig kidneys to replace human kidneys that no longer function
PICTOR	Pictor Diagnostic testing system – multiple tests from a drop of blood
Respir	RespirAq A waterless, low-cost respiratory humidifier
'Veriphi	Veriphi Verification device – dose and type of IV medication



The Aroa Success story

Founding Chief Executive of Cure Kids Ventures, Maxine Simmons, says, "Cure Kids Ventures saw the potential of Aroa Biosurgery early on. By providing early-stage investment funds, Aroa was able to develop and innovate its product range. They have had a profound impact on the lives of children and their families who have suffered complex wounds or have had soft tissue procedures such as reconstructive surgery.

Representation of the contract of the contract

About Aroa

Aroa Biosurgery is a New Zealand based soft-tissue regeneration company. Aroa develops, manufactures and distributes medical and surgical products to improve healing in complex wounds and soft tissue reconstruction.

The company commenced operations in 2008 and has its headquarters and manufacturing facilities located in Auckland, New Zealand, with additional sales and distribution functions in the United States of America.

Aroa's first product, Endoform® Natural, for chronic non-healing wounds, was launched in the United States in 2013 after obtaining U.S. Food & Drug Administration (FDA) clearance and reimbursement from the Centre for Medicare and Medicaid Services. Since then, Aroa's products have been used in over 4 million procedures globally.



Farewell Maxine and Caroline

Since Cure Kids Ventures' inception in 2008, Maxine Simmons and from 2017 Caroline Quay, Chief Investment Officer, have led investments into an impressive portfolio of companies. In 2021, Maxine and Caroline advised of their intention to leave Cure Kids Ventures to launch CaraMed Capital. Cure Kids acknowledges the tremendous contribution Maxine and Caroline have made in establishing Cure Kids Ventures' reputation in New Zealand.

CKV Fund 3

With the initial investment period for the Co-fund due to end during 2022, CKV will be launching its third fund, focused on the early stages of translation of child health research into commercial opportunities. Michael Innes, Investment Analyst and recently appointed Matthew McMahon, Chief Investment Manager will be initiating CKV Fund 3 and taking care of any follow on investments in the CKV Co-fund portfolio.

big research for little lives

Financial summary

SUMMARISED STATEMENT OF FINANCIAL PERFORMANCE

	CONSC	CONSOLIDATED	
	31.12.21	31.12.20	
Fundraising Income	3,305,284	2,820,016	
Grants Received	268,332	232,499	
NZ Government Grants	6,500,000	455,134	
Rental Income	274,246	246,262	
Interest & Dividends on Investments	624,789	670,592	
Unrealised Gains	2,545,882	4,817,977	
Realised Gains/(Losses)	(154,330)	287,921	
Share of revenue and expense of an associate	11,419	166,363	
Other	155,664	292,582	
TOTAL INCOME	13,531,286	9,989,346	
Fundraising Expenses	(619,384)	(494,346)	
Administration Expenses	(779,067)	(581,150)	
Salary Expenses	(2,118,904)	(1,645,903)	
Research & Development	(209,609)	(273,378)	
Grants & Research Investment	(10,705,146)	(8,795,065)	
NET SURPLUS/(DEFICIT)	(900,824)	(1,800,496)	

SUMMARISED STATEMENT OF FINANCIAL POSITION

	CONSOLIDATED	
	31.12.21	31.12.20
Cash Held	6,955,698	4,060,567
Fixed Assets	52,289	58,536
Investment Property	5,850,000	5,630,000
Investment Portfolio	35,669,254	35,060,823
Other Assets	1,808,285	1,205,301
Total Assets	50,335,526	46,015,227
Grants	10,974,219	8,848,669
Fiji Projects	3,759,333	698,478
Other Liabilities	1,711,224	1,676,506
Total Liabilities	16,444,776	11,223,653
Total Equity including Capital Funds	33,890,750	34,791,574

Statement about the accounts

The 2021 financial year saw a surplus before grants and research investment expenditure of \$9.804m (2020:\$6.995m). This was a strong result given the ongoing COVID-19 impact on the charity sector, especially given the constraints on major events and grants applications from trusts and foundations. 2021 saw a return to full resourcing to support the research programming and fundraising activities.

Income includes a \$3.0m grant from the NZ Government to support the Fiji Ministry of Health with its COVID-19 response and \$2.0m grant income towards the Cure Kids/A Better Start collaboration.

This surplus was applied to support research grants and Professorial Chair salaries of \$10.705m (2020: \$8.795m), a record level of research funding provided by Cure Kids. The net deficit after grants of \$0.900m was covered by reserves brought forward from prior years.

The financial position notes at 31 December 2021:

	\$m
Cash	7.0
Property and investments (at valuation)	41.5
Other	1.9
	50.3
Less undrawn grants and liabilities	16.4
Equity	33.9

Included is \$6.7m invested through Cure Kids Ventures, the seed company investment arm. These investments are of an early-start nature, focused on children's health.

big research for little lives



I was coming out of a Briscoes about 5 years ago, and this super polite person approached me and started telling me about Cure Kids. It was the research being funded through the organisation supporting better children's health in New Zealand that really got to me, and led me to realise:

I have the ability financially to donate and here's this opportunity for it to go directly towards something so impactful, towards something focused on children and their health. I thought — why not?

I think about what I care about, and it really is aligned with Cure Kids: I care about people, about improving things for others and particularly those who have been dealt a hard hand in life. There is so much we don't know about so many child health challenges – but for around the price of a coffee per week, we can help to tangibly change that. To me it just made sense to do it.

I love the newsletters and updates Cure Kids send out highlighting the projects and different research taking place. It's cool to see the new and developing evidence, the impact it is having, and where the money is being spent. It's also great seeing who the people are that are actually doing these amazing things, like the researchers. The newsletters, and communication in general from Cure Kids is always very positive, thankful, and genuine.

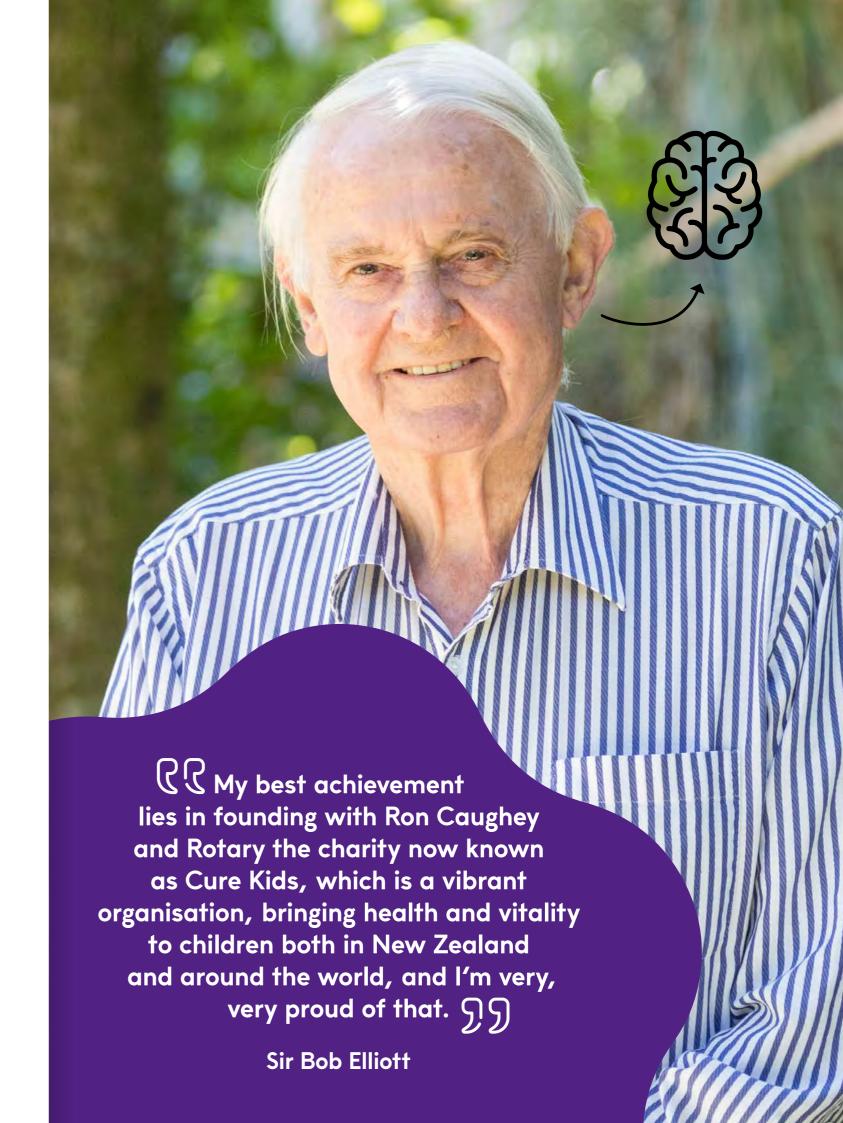
I take a long-term and cumulative effects view of my monthly donations. We aren't fixing things overnight— these things take investment and research over time— but there's compounding interest in our collective investment. The overarching change and impact that this research will have across generations is huge; Cure Kids have shown that.

It's like having an influence on public health. As a dentist, I can give a kid a filling but if we don't influence greater understanding, and understand and address root causes we can't get sustainable, healthy, wider change. This is also why I think it's important that I am donating young; imagine the compounding impact my monthly donation will have over time.

lf you are in a position to be able to help financially, I absolutely encourage you to do so. It is intrinsically satisfying.

Willie, one of our incredible regular givers at Cure Kids.

Thank you!



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For more information on Cure Kids and child health research that you are helping support, visit **curekids.org.nz** and sign up to our newsletter.



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