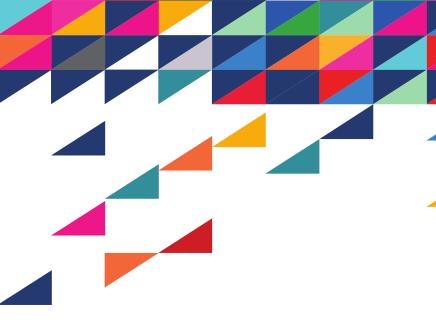
Renaissance Launch - Australia Consumer and medical media outcomes

Last updated 9 April 2014

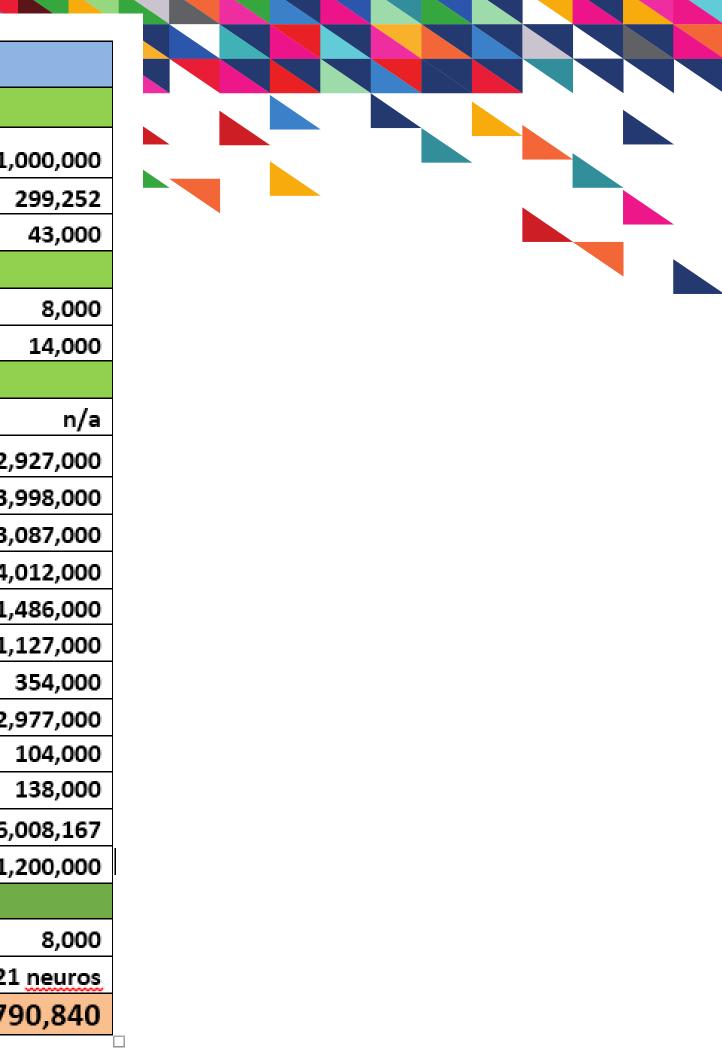


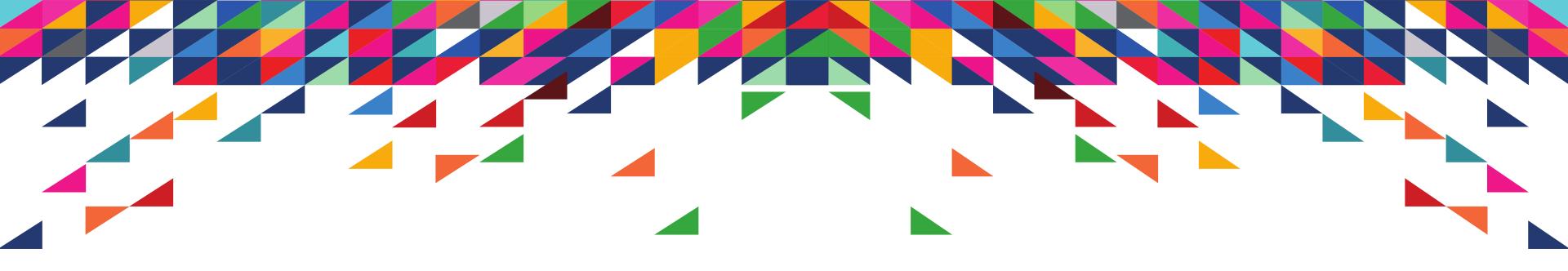






Publication	Circulation
Broadcast coverage	
Channel 9 6PM News	1,
TODAY Show & Tweet	
Wake Up! Network 10	
Radio coverage	
2SM radio 6.30AM News	
2SM radio 8.30AM News	
Online coverage	
AAP Newswire	
News.com.au	2,
Daily Telegraph	3,
The Australian	3,
Herald Sun	4,
Adelaide Now	1,
Perth Now	1,
Hobart Mercury	
Courier Mail	2,
NT News	
Gold Coast Bulletin	
NineMSN	6,
SBS News	1,
HCP Media Coverage	
Australian Doctor tweet	
Neurology Update	421
TOTAL IMPRESSIONS	28,79





Broadcast

Channel 9 News

Date: 8 April 2014, evening national news

Audience: 1 million viewers

Hosted by Peter Overton

Interviewees: Dr Jonathon Ball, Pauline Cooper



pril 08, 2014: A tiny robot is changing the way delicate spinal surgery is being performed in The technology has been shown to improve the safety of spinal fusions, a procedure that



April 08, 2014: A tiny robot is changing the way delicate spinal surgery is being performed in stralia. The technology has been shown to improve the safety of spinal fusions, a procedure that O Australians have each week. 8 Apr 2014







Channel 9 News

In addition, syndicated stories ran in the following cities:

- <u>Channel 9, Adelaide hosted by Brenton Ragless & Kate Collins</u>
- <u>Channel 9, Perth</u>, 4.30pm news hosted by <u>Lee Steele</u>
- Channel 9, Perth, 6.00pm news hosted by Tim McMillan
- NBN Gold Coast, Central Coast, Tamworth, Taree, Port Macquarie hosted by Natasha **Beyersdorf and Paul Lobb**
- <u>Channel 9, Melbourne, 5:00am early news hosted by Julie Snook</u>





Channel 9 Today Show

Date: 9 April 2014, 6:18am

Audience: 299,252 viewers

Hosted by Karl Stefanovic and Lisa Wilkinson

Interviewees: Dr Jonathon Ball, Dr Brian Hsu, Pauline Cooper







Channel 9 Today Show

In addition, the Today Show segment was broadcast from the following 38 stations:

- Channel 9 Adelaide
- Channel 9 Brisbane
- Channel 9 Melbourne
- Channel 9 Perth
- Channel 9 Darwin
- Channel 9 Gold Coast
- Imparja Alice Springs \bullet
- Imparja Longreach
- Imparja Mt Isa
- NBN Central Coast
- NBN Lismore
- NBN Coffs Harbour
- NBN Moree
- NBN Newcastle
- NBN Tamworth
- NBN Taree 7

- WIN Albury
- WIN Ballarat
- WIN Bendigo
- WIN Cairns
- WIN Canberra
- WIN Dubbo
- WIN Gippsland
- WIN Griffith
- WIN Hobart
- WIN Mackay \bullet
- WIN Mildura
- WIN Orange
- WIN Rockhampton
- WIN Shepparton
- WIN Sunshine Coast



- WIN Toowoomba
- WIN Townsville
- WIN Wagga
- WIN Western Australia
- WIN Bundaberg
 - WIN Wollongong



Channel 10 Wake Up

Date: 9 April 2014, 6:49am

Audience: 43,000 viewers

Hosted by James Mathison and Natarsha Belling

Interviewee: Dr Jonathon Ball (live in studio)













Channel 10 Wake Up

In addition, the Wake Up segment was broadcast from the following 30 stations:

- Channel 10 Adelaide
- Channel 10 Brisbane
- Channel 10 Perth
- Southern Cross Ten Canberra
- Southern Cross Shepparton
- Tasmania Digital Television
- Ten Albury
- Ten Bundaberg
- Ten Cairns
- Ten Coffs Harbour
- Ten Darwin
- Ten Gold Coast
- Ten Lismore
- Ten Mackay
- Ten Newcastle

- Ten Rockhampton
- Ten Sunshine Coast
- Ten Tamworth
- Ten Taree
- Ten Toowoomba
- Ten Townsville
- Ten Ballarat
- Ten Bendigo
- Ten Gippsland
- Ten Swan Hill
- Ten Warnambool
- Ten Wagga Wagga
- Ten West WA
- Ten Wollongong







2SM radio news

Date: 9 April 2014, 6:32am, 8.30am Audience: 8,000 and 14,000 listeners respectively

Interviewee: Dr Jonathon Ball (pre-recorded grab)

Australian surgeons now have access to robotic technology wh...

2SM, Sydney hosted by <u>Newsreader</u>
 06:30 News - 0 min 40 secs - ID: W00056833771

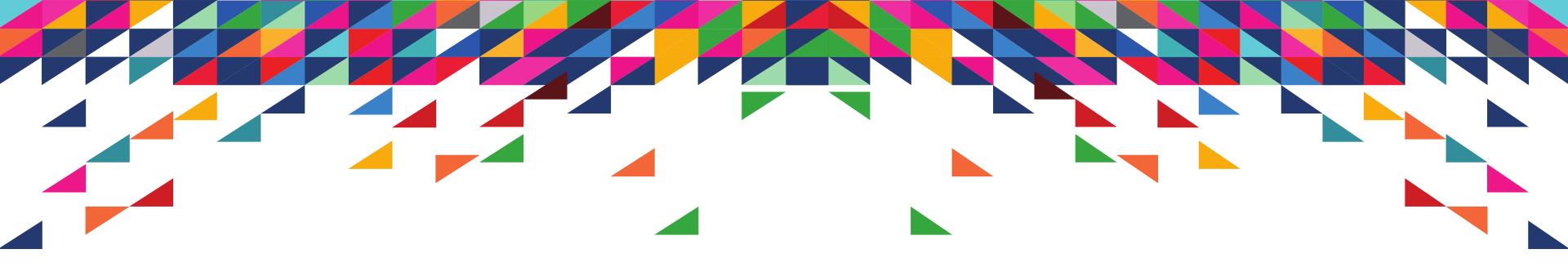


Australian surgeons now have access to robotic technology which can be used in freehand surgery. Dr Jonathon Ball, Royal North Shore Hospital, says the technology has clear benefits.



09 Apr 2014 6:32 AM





Print / Online

Ninemsn

Date: 9 April 2014 Audience: 6,008,167



Surgeons have been using GPS-based devices for some time, but a Sydney operating theatre has been fitted with the medical equivalent of park-assist.



Geyer 'will never forgive' Russell Crowe over rift

Ten minutes ago



Bob Carr likens business class to

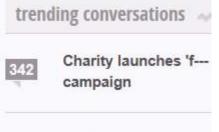
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217

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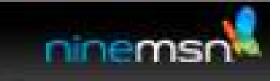
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"Like most boys we are excited about our new toy," he says.

Nothing is 100 per cent safe. But this is a huge improvement."

"There is a lot of fear about back surgery in general.





Daily Telegraph

Date: 9 April 2014

Audience: 3,998,000

Doctors' robot reduces spine surgery risk

CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER + AAP + APRIL 09, 2014 1:38PM

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Source: AAP

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News.com.du

Date: 9 April 2014 Audience: 2,927,000

breaking news

NATIONAL BREAKING NEWS > 4:52PM | Consumers finding little to cheer a ... 4:47PM | Cyclone cuts short Newman's Asia...

Doctors' robot reduces spine surgery risk

This story was published: 4 HOURS AGO | APRIL 09, 2014 1:38PM

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4:47PM | Public c

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SBS News Online

Date: 9 April 2014

15

Audience: 1,200,000

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9 APR 2014 - 10.11AM Doctors' robot reduces spine				
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Two Sw	dney doctors have invested in a state-of-the-art robot that takes some of	"We st to plan		
	out of spinal surgery and improves recovery time.	He say		
Source A4		"I have better j		
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The Australian

Date: 9 April 2014 Audience: 3,087,000



Doctors' robot reduces spine surgery risk

CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER | AAP | APRIL 09, 2014 1:38PM





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SAVE

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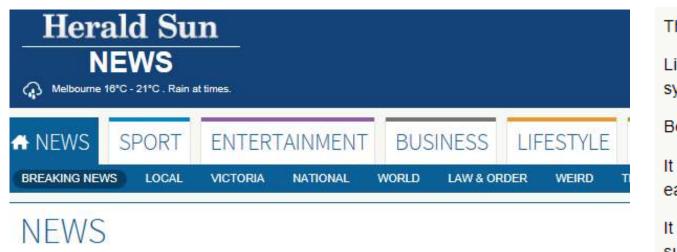
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Herald Sun

Date: 9 April 2014 Audience: 4,012,000



Doctors' robot reduces spine surgery risk

CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER + AAP + APRIL 09, 2014 1:38PM

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Courier Mail

Date: 9 April 2014 Audience: 2,977,000

NEWS

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CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER + AAP + APRIL 09, 2014 1:38PM



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Adelaide Now

Date: 9 April 2014

Audience: 1,486,000

NEWS

Doctors' robot reduces spine surgery risk

CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER + AAP + APRIL 09, 2014 1:08PM

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Perth Now

Date: 9 April 2014 Audience: 1,127,000



NEWS

Doctors' robot reduces spine surgery risk

CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER + AAP + APRIL 09, 2014 11:38AM



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Hobart Mercury

Date: 9 April 2014

Audience: 354,000



CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER + AAP + APRIL 09, 2014 1:38PM



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"It is not necessary for all spinal surgery, but it will be particularly beneficial for people who have difficult anatomy or unusual deformities.

"Like most boys we are excited about our new toy," he says.

"There is a lot of fear about back a huge improvement."



Like most hi-tech medical equipment it's expensive, costing around \$1 million for the full

It does away with the need for multiple X-rays used by surgeons in traditional spinal

He says there is a 10 per cent error rate when drilling freehand, as he still does at the public

"GPS-type devices have been common in surgery for some time. But this helps you drive

"There is a lot of fear about back surgery in general. Nothing is 100 per cent safe. But this is



Gold Coast Bulletin

Date: 9 April 2014 Audience: 138,000

NEWS

Audience: 138,000 Doctors' robot reduces spine surgery risk

CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER + AAP + APRIL 09, 2014 1:38PM



SURGEONS have been using GPS-based devices for some time, but a Sydney operating theatre has been fitted with the medical equivalent of park-assist.

It's a leap forward, says neurosurgeon Dr Jonathon Ball, who is using the new robotic system to make his already exacting spine operations more precise.

Apart from reducing risk and improving accuracy, the Israeli-designed Renaissance guidance system improves recovery time and reduces pain.

Dr Ball and orthopaedic surgeon Dr Brian Hsu use it to position a drill guide before



Two Sydney doctors have invested in a robot that takes some of the risk out of spinal surgery. Source: AAP

they insert screws and rods that stabilise deformed, degenerated or injured spines.

The system takes away the need to drill holes freehand, says Dr Ball, who is head of neurosurgery at Royal North Shore Hospital and also runs a private practice.

He and Dr Hsu bought the equipment, which is installed at North Shore Private and is the first system of its type in Australia.

They have each used it for about seven operations since it was installed in January.

Like most hi-tech medical equipment it's expensive, costing around \$1 million for the full system.

Before each operation the doctors use a CT scan to program the device.

It moves along the spine to position the drill guide in a pre-planned sequence, ensuring each hole is in exactly the right place and at exactly the right angle.

It does away with the need for multiple X-rays used by surgeons in traditional spinal surgery.

Some operations need 20 to 30 holes, says Dr Ball. It's physically and mentally taxing work.

"We still do the surgery. We are still working the drill. But the robot guides us so the operation goes according to plan."

He says there is a 10 per cent error rate when drilling freehand, as he still does at the public hospital.

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NT News

Date: 9 April 2014 Audience: 104,000

NEWS

Doctors' robot reduces spine surgery risk

CLIFFORD FRAM, AAP NATIONAL MEDICAL WRITER . AAP . APRIL 09, 2014 1:08PM



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NTANews

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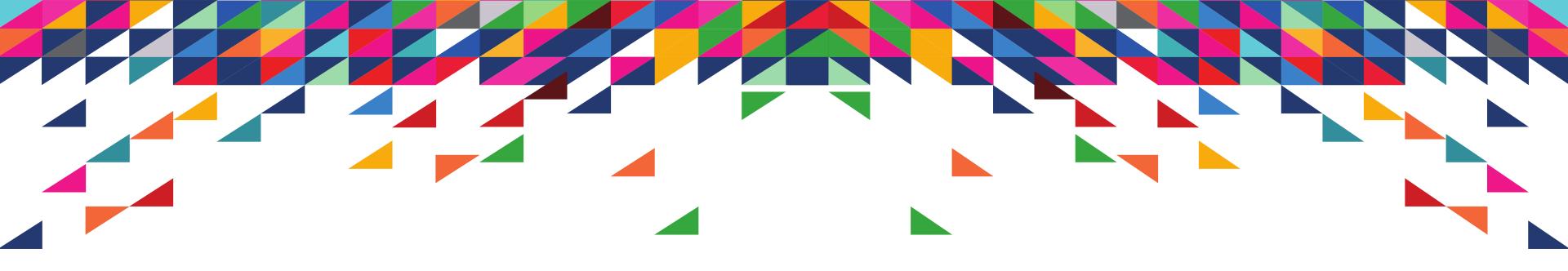
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Medical Trade

Neurology Update

Date: 9 April 2014

Audience: 421 neurologists



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Australian Doctor

Image gallery style story expected this week

Consumer story was shared via their Twitter page in the interim



Australia-first GPS spinal surgery robot the medical equivalent of parking assist short.ninem.sn/sO8yyGl







Hospital and Aged Care

Expected in upcoming May issue (print and online)







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Date: 9 April 2014 Followers: 155,000



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Date: 9 April 2014

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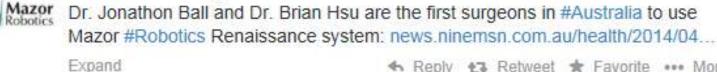
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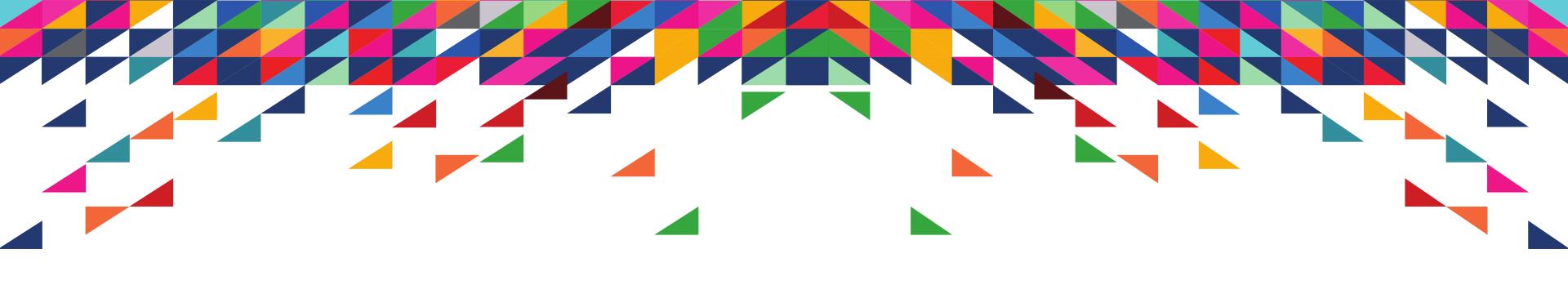
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For more information regarding this outcomes report, please contact: Katy McMillan, Account Director Edelman, Healthcare katy.mcmillan@edelman.com +61 2 9291 3396 / 0424 465 070