
Registry Snapshot

85,000

participants enrolled

2.80%

Opt Out Rate

80%

of AU hospitals contributing

69%

of AU surgeons contributing

35%

of NZ hospitals contributing

48%

of NZ surgeons contributing

as of

13th March 2020

2020 Vision

Registry staff in Australia and New Zealand are currently making contingency plans to ensure it is as close to business as usual during the COVID-19 pandemic. Updates to any changes in the business function will be communicated to all stakeholders via email as necessary.

The Registry is looking forward to the addition of the **100,000th** bariatric patient and hopes to be able to celebrate when the time comes. You can register your interest to attend by emailing med-bsr@monash.edu.

This eagerly anticipated milestone would not be possible without the support of our contributing surgeons and their teams. This newsletter recognises the Leading and Valued Contributors to the Registry in 2019, along with the latest nominations for STAR STAFF.

All surgeons who have agreed to participate are encouraged to stay on top of the submission of their data to the Registry. Surgeons and their data collectors who are unsure about how to start contributing should contact Jenifer Cottrell T: +61 03 9903 0721 or Email: Jenifer.cottrell@monash.edu

Consent Required for Minor Patients to Participate in Registry

Data for minor patients (under 18 years in Australia and 16 years in New Zealand) **will only be accepted** with signed informed consent from the patient's parent or guardian.

Signed consent forms must be received by the Registry (either at Melbourne or Auckland) prior to entering data in the BSR-i. As a reminder, a **red notice on the BSR-i demographics page** will appear upon entering the patient's Date of Birth stating that they are under the age of 18. For those who enter operations on paper, please include the signed consent form along with the data form.

Please note that the consent forms are site specific. If your practice performs or intends to perform bariatric surgery on young patients, please be sure to have all required forms on hand. Contact the Registry for any queries about this process.

Ongoing Data Validations

Planning for the 8th Annual Report of the Bariatric Surgery Registry has begun. With the amount of data captured by the Registry to date, it is anticipated that this year's publication will report by procedure type, rather than presenting the Registry's figures as a whole.

This level of analysis requires the Registry's data to be as complete and accurate as possible. To ensure this, all data is undergoing detailed quality verification procedures which may result in room staff, data collectors and surgeons experiencing more frequent communication from the Registry.

Issues Requiring Data Checks

Operation and follow-up forms (paper and BSR-i) which are missing key data fields require verification with the surgeon's rooms or bariatric clinic. This may

be caused by a misunderstanding of what information is required in the data field. The fields are defined by the Registry's Data Dictionary, and may differ from similar terms used by practice and hospital staff. Explanations of the issues frequently encountered by the Registry are listed below.

The Registry welcomes calls and emails from surgeons and their data collectors whenever questions arise. All queries should go through the team at Monash University which has staffing available every weekday 9-5pm AEST.

Diabetes Information

Diabetes is the only co-morbidity collected by the Registry. The Registry's definition of diabetes is that the patient has had a diagnosis of having either type 1 or 2 DM, only. The Registry does not collect pre-diabetic conditions, insulin resistance, or history of gestational diabetes.

When completing annual follow-up on the BSR-i, the diabetes information submitted at the time of their operation is listed. Please use this information as a reference. If it states that your patient had diabetes and their treatment, please describe their current status as either YES or NO, only. We encourage that 'Not stated/inaccurately described' should not be used.

HINT: Keep the patient's medical history and medications in a unique place in their medical record so that this information is easy to find when completing Registry data.

Patient Height

Height is an essential data element so that the BMI at the time of operation is captured. BMI is critical for the case-mix/risk adjustment used in data analysis and reporting of surgical outcomes.

Either height or BMI must be provided on paper data forms. If using the BSR-i, and only the patient's BMI is available, tick 'Height Unknown', but enter the BMI in the comments section and Registry staff will perform the calculation when verifying data.

Patient Weight

The 'Start Weight' is only needed with primary procedures. The Registry defines 'Start Weight' as the weight of your patient at the time of the decision to treat the patient's condition of morbid obesity. Please do not use the patient's greatest known weight, as using it does not accurately describe the effect of bariatric surgery.

'Operation Weight' is the weight either at the time of surgery, or weight recorded just prior to the time of surgery (within a month before surgery).

Revision Procedure

Any subsequent procedure which follows a bariatric operation is defined by the Registry as a revision procedure. By this definition, the following examples are all considered as 'revisions' by the Registry (this is not a conclusive list):

- ✓ removal and/or replacement of an adjustable gastric band;
- ✓ any subsequent bariatric operation which follows a primary operation-e.g. bypass after a sleeve;
- ✓ removal of a non-adjustable gastric ring;
- ✓ dilatation;
- ✓ insertion or removal of a stent;
- ✓ insertion of feeding tube if done in theatre;
- ✓ washout; or
- ✓ drainage.

Reason for Revision

The reason for the revision must always be provided. We ask that you please provide as much information as possible as to why the operation was required, either in the 'Notes' on the operation form, or in the 'Comments' in the BSR-i. For example, if the reason why a patient had a subsequent bariatric procedure was because of weight regain or severe reflux, this should be stated.

If a patient required drainage, please provide as much descriptive information as possible. For example, please state sepsis or peritonitis, if appropriate, rather than just stating "leak".

By providing as much detail as possible, the Registry will be able to successfully enter the data without seeking further clarification from the rooms.

Unplanned Returns to Theatre in the Perioperative Period (90 days post-op)

The Registry reports the rate of occurrence of defined adverse events in the perioperative period (90 days after surgery). All unplanned procedures undertaken during this time must be submitted separately as additional 'revision' operations, either with a paper form, or by adding the operation for the bariatric patient directly in the BSR-i.

Please provide the following details when submitting data about the procedure:

- ✓ the reason for the unplanned return to theatre;
- ✓ whether this was also an unplanned hospital re-admission;
- ✓ the length of the hospital stay (if extended).

Users of the BSR-i are reminded that the **procedure should be entered**, rather than completing the Perioperative Follow-up. (Entering the subsequent 'revision' autocompletes the follow-up data for the preceding procedure). If this procedure is entered in the BSR-i at least 20 days after it took place, the

perioperative follow-up may be completed immediately after this procedure is entered.

Device Information

Data is collected regarding which device or staple reloads were implemented in the bariatric procedure. Adjustable gastric bands, ports, tubing, non-adjustable gastric rings are examples of devices to be recorded when used. Stapling data collected includes the description of the staple reload: the manufacturer and brand name, staple length, open staple height/colour, and how the stapling was done, i.e., robotic, powered, or manual.

Note: Information about the stapler is **not** collected.

Staple and Device Preference Forms are provided to all participating surgeons upon registration. The forms should be used by surgeons who routinely use the same devices per procedure type. These preferences can be entered in the BSR-i as 'Favourite Devices' so that the Device data for an operation will be automatically completed upon clicking the 'Add Favourite' button.

Please contact the Registry for any assistance required about entering device information or to get a **Staple and Device Preference Form**.

And the Star Staff are...

Bariatric Surgery Registry Star Staff are nominated by surgeons, practice managers, or their colleagues for their efforts looking after Registry data. The Registry is delighted to recognise the staff named in the following nominations for their time and dedicated commitment to ensuring data submission to the Registry. It is noteworthy that all nominations for this period were sent in from practices or clinics that are amongst the 2019 Leading and Valued Contributors.

"Caterina Carbone is our Star for the BSR! She has done most of the data entry by herself for the past 6 months while we have been a staff member down and is now busily training our new staff member so she can share the love! She would be a very worthy winner of the gift card! Thanks for the opportunity to praise her hard work!" *Nominated by Sharon Rooke the OClinic (NSW)*

I would like to nominate **Mia Dowling-Priest** and **Karene Linter**, my practice nurses, for their diligence in chasing up patient data for the BSR. Certainly couldn't make do without them. Their good humour and compassion are much appreciated by all. *Nominated by Dr Costa Karihaloo (NSW)*

"Fiona Jahnke is our nominee -Sterling work!" *Nominated by Shirley Lockie (QLD)*

Nadia Armstrong "Up to date with all the registry entries – which deserves star staff nomination." *Nominated by Mr Jon Armstrong (WA)*

"I would like to nominate our nurse, **Silvia Maria**, for a STAR STAFF! She truly deserves to be nominated because of her commitment to our bariatric patients' care, her interest in learning more about obesity and initiative to take further studies to broaden her knowledge in the field of obesity and management of bariatric patients. She is highly dependable and capable of carrying out assessments and keeping statistics for bariatric reporting. She is a highly valued team member in Dr John Jorgensen's practice. I hope she wins it!" *Nominated by Digna at Dr John Jorgensen (NSW)*

"I would like to nominate **Nicole Scrase** from our practice for the Star Staff award!! Nicole diligently sets time aside weekly and sometimes even daily to enter all our BSR information. She also has her own workload to look after, but always manages to find time to update this and keep it up to date! It's not a fun task, but someone has to do it and Nicole is always the 1st to put her hand up to complete it on behalf of our workplace. Many thanks for the opportunity to put Nicole forward for this award." *Nominated by Cassie Pollock at Dr Ian Baxter (QLD)*

"I would like to nominate **Shirley Billett** as a "star staff". She does all the behind the scenes work on obtaining patient information for the BSR and continues to include and update the data regularly. She is an absolute asset as a single Practice Manager for my surgery and deserves recognition for her work with the BSR statistics." *Nominated by Mr Girish K Pande (TAS)*

"I would like to nominate all my "Star Staff" – All of the girls here at Professor Nottle's rooms. I have 4 girls who all contribute to the Registry in one way or another and who are all "Super Stars": **Monique Prassinis, Lisa Cooper, Leanne Hunt, and Janet Paton**. Professor Nottle has over 10,000 patients between his own Lapbase, Alfred Lapbase and the BS registry. Between entering surgeries and visits in LapBase, calling patients who have not been in for certain periods of time and adding post operative visits to BSR as well as their usual daily duties, the girls do an amazing job trying to keep on top. I know Professor Nottle greatly appreciates the work Monique, Lisa, Janet and Leanne do to help him every day. *Nominated by Susan Martin at Assoc Prof Peter Nottle (VIC)*

*"Can I please nominate **Paige Sweeney and Janet Barry**, who together got me the gold badge?" Nominated by Assoc Prof Harsha Chandraratna (WA)*

"We would like to nominate our Star Staff Member, **Leigh Fowler**. Leigh is the superstar who completes our bariatric registry data. She is always super enthusiastic and nothing is ever too much trouble. Leigh will always

go the extra mile to help and she is always friendly and cheerful. She gets our vote! *Nominated by Debbie de Bruyn at Total Upper GI Surgery (QLD)*

"I have an absolute star who keeps me up to date with the Registry. **Katherine Wright** has a wonderful cheery manner and is totally reliable for my data collection. For me she is a real WINNER!" *Nominated by Assoc Professor Gary Crosthwaite (VIC)*

"I would like to nominate both of our research officers as Star Staff: **Jessica Reid** and **Jessie Bennett**. It is with absolute pleasure I nominate Jessica and Jessie as Star Staff. Without their enthusiasm, diligent work and attention to details we would not have been able to become valued contributor of the bariatric registry. There is no task too big or small for them, and their friendly smiles and nature turn a rainy day in the operating theatre into sunshine." *Nominated by Dr Markus Trochsler (SA)*

"On behalf of David he would like to nominate **Angela Barrow** as "Star Staff". Angela is the main staff member that looks after David's data on his patients and she is very conscientious and likes to keep this up-to-date as quickly as possible. She is very worthy of recognition for the work she does, especially now as the number of patients has grown so much! *Nominated by Cheryl Hughes for Mr David Scott (VIC)*

Nomination for the next round of Star Staff should be received by the Registry by 12 June. All staff nominated receive a Certificate of Outstanding Merit and go in the draw for a \$100 Gift Card. The winner of the \$100 gift card goes to **Caterina Carbone**.

Congratulations to Caterina, whose incredible efforts for Dr Craig Taylor and Dr Philip Le Page have not gone unnoticed by the BSR. The Registry expresses its sincere gratitude to all of the BSR STARS!!!

2019 Leading and Valued Contributors

Every year more surgeons are reaching the status of Leading and Valued Contributors to the Registry which shows how hard they and their teams are working to get the data in the Registry, especially making the effort to have at least 80% of their follow-up completed. Whilst 80% is the benchmark, the average perioperative follow-up completion rate for these surgeons is 94.4%.

Surgeons who have at least 100 operations in the registry, along with a follow-up completion rate of 80% are recognised for their outstanding level of participation in the Bariatric Surgery Registry. More than 68% of the Australian surgeons who are currently participating in the Registry achieved the status of Leading Contributor for the 2019 calendar year. Mr David Schroeder is the first surgeon from New Zealand to reach this level of contribution.



The 2019 Leading Contributors are:

Douraid	Abbas
Reza	Adib
Ahmad	Aly
Jon	Armstrong
James	Askew
Samuel	Baker
Andrew	Barbour
Johannes	Basson
Ian	Baxter
Justin	Bessell
Kiron	Bhatia
Mark	Boccola
Peter	Bovey
Hai	Bui
Roy	Brancatisano
Ingra	Bringmann
Wendy	Brown
Paul	Burton
Hai	Bui
Salim	Chaloob
David	Chan
Harsha	Chandraratna
James	Chau
Richard	Chen
Yuan	Cheng
Jacob	Chisholm
Adam	Cichowitz
Stephen	Clifforth
Anthony	Clough
Leon	Cohen
John	Copp
Gary	Crosthwaite
Mark	Daoud
Michael	Devadas
Arun	Dhir
Giuseppe	D'Onofrio
Geoffrey	Draper
Stuart	Eaton
Krishna	Epari
Robert	Finch
Harry	Frydenberg

Darrin Goodall-Wilson
 Siva Gounder
 Jeffrey Hamdorf AM
 Richard Harrison
 Michael Hatzifotis
 Mark Hehir
 Matthew Henderson
 Chris Hensman
 Michael Hii
 George Hopkins
 Carolyn Jameson
 Jacobus Jordaan
 John Jorgensen
 David Joseph
 George Kalogeropoulos
 Costa Karihaloo
 Fadil Khaleal
 Rachel Kirby
 David Koong
 Lilian Kow
 Govind Krishna
 Vytautas Kuzinkovas
 Philip Le Page
 Steven Leibman
 Paul Leong
 Victor Liew
 Kiat Lim
 Philip Lockie
 Damien Loh
 Ken Loi
 Liang Low
 Jason Maani
 David Martin
 Ian Martin
 Raymond McHenry
 Garth McLeod
 Patrick Moore
 Paul Moroz
 William Munro
 Mani Niazi
 Peter Nottle
 Paul O'Brien AO
 Girish Kumar Pande
 Nigel Peck
 George Petrou
 Harald Puhalla
 Andrew Ramsay
 Andrew Russell
 Brendan Ryan
 Aravinthan Saravanamuttu
 David Schroeder (NZ)
 David Scott
 Ian Shaw
 Jon Shenfine
 Candice Silverman
 Adam Skidmore
 Stewart Skinner
 Andrew Smith

Garett Smith
 Michael Talbot
 Craig Taylor
 Susan Taylor
 Alan Thomas
 Chek Heng Tog
 John Treacy
 Salena Ward
 Senarath Werapitiya
 Stephen Wilkinson
 Nicholas Williams
 Evan Willingham
 Jason Winnett
 Timothy Wright
 Gary Yee
 David Yong
 Ali Zarrouk

Surgeons who contribute at least 30 operations in the registry, along with a follow-up completion rate of 80% are recognised as Valued Contributors to the Bariatric Surgery Registry. Five surgeons from New Zealand attained this level of contribution for the first time.



The 2019 Valued Contributors are:

Janine Arnold
 Richard Babor (NZ)
 Ulvi Budak
 Joel Budge
 Rob Cable (NZ)
 Greg Coulter (NZ)
 Michael Crawford
 Peter Hamer
 Jon Morrow (NZ)
 Habib Rahman (NZ)
 Kontoku Shimokawa
 Philip Toonson
 Markus Trochsler

Report of Participation of Hospital Sites where Bariatric Surgery is Provided

Report Period for the 6 months prior to 4 March 2020

State	Approved Sites		Sites in Progress	Ethics/Locality Approvals Yet to Commence	TOTAL
	Not Contributing	Contributing			
NSW/ACT	5	35	12	-	52
QLD	5	23	2	-	30
SA/NT	2	9	2	-	13
TAS	-	5	-	-	5
VIC	4	34	-	-	38
WA	3	7	4	-	14
AUS Total	19	113	20	.	152
NZ Total	7	9	7	3	26
TOTAL	26	122	27	3	178

	Approved Sites		Sites in Progress	Sites To Do
	Not Contributing	Contributing		
AUS Private	14	93	11	-
AUS Public	3	20	9	-
NZ Private	2	7	4	2
NZ Public	5	2	3	1
TOTAL	24	122	27	3

Hospital Participation in Australia	March 2020
Hospitals known to do bariatric surgery	152
Hospitals with ethics approval	132 (86.8%)
Contributing	122 (80.2%)

Hospital Participation in New Zealand	March 2020
Hospitals known to do bariatric surgery	26
Hospitals with ethics approval	16 (61.5%)
Contributing	9 (34.6%)

Current Report of Surgeon Participation

Report Period for the 6 months prior to 4 March 2020

	At Sites with Ethics Approval		Enlisted but not at site with ethics approval	Not Enlisted		Total
	Not Contributing	Contributing		At site with ethics approval	At site yet to get ethics approval	
NSW/ACT	10	42	2	7	0	61
QLD	9	31	1	5	0	46
SA/NT	4	12	0	1	0	17
TAS	1	2	0	2	0	5
VIC	19	53	0	2	0	74
WA	6	21	1	2	0	30
AUS Total	49	161	4	19	0	233
NZ	9	10	4	2	2	27
Total	58	171	8	21	2	260

Bariatric Surgeon Participation (Australia)	March 2020	Percent of AUS Bariatric Surgeons
Surgeons known to do bariatric surgery	233	(100%)
Surgeons at approved sites	229	98%
Enlisted and at approved site	210	90%
Enlisted, but not at approved sites	0	0%
Contributing of those enlisted and at approved sites	161	79%
Total contributing of all known AU Bariatric Surgeons	161	69%

Bariatric Surgeon Participation (New Zealand)	March 2020	Percent of NZ Bariatric Surgeons
Surgeons known to do bariatric surgery	27	(100%)
Surgeons at approved sites	19	70%
Enlisted and at approved site	19	70%
Enlisted, but not at approved sites	4	14%
Contributing of those enlisted and at approved sites	10	52%
Total contributing of all known NZ Bariatric Surgeons	10	37%

Australian Hospitals with Ethics Approval

Albury-Wodonga Private Hospital
Ashford Private Hospital
Austin Hospital
Baringa Private Hospital
Beleura Private Hospital
Belmont District Hospital
Box Hill Hospital
Brisbane Waters Private Hospital
Buderim Private Hospital
Burnside War Memorial Hospital
Cabrini Hospital Brighton
Cabrini Hospital Malvern
Cairns Private Hospital
Calvary Adelaide Private Hospital
Calvary Bruce Private Hospital
Calvary Central District Hospital
Calvary North Adelaide Hospital
Calvary Riverina Hospital
Calvary St Vincent's Hospital
Calvary Wakefield Hospital
Canberra Hospital
Campbelltown Private Hospital
Concord Repatriation General Hospital
Darwin Private Hospital
Delmar Private Hospital
Dubbo Private Hospital
Dudley Private Hospital
Epworth Eastern Hospital
Epworth Freemasons Hospital
Epworth Geelong Hospital
Epworth Richmond Hospital
Flinders Medical Centre
Flinders Private Hospital
Footscray Hospital
Glen Iris Private
Glengarry Private Hospital
Gold Coast Private Hospital
Gosford Private Hospital
Gosford Hospital
Greenslopes Private Hospital
Hamilton Hospital
Heidelberg Repatriation Hospital
Hillcrest Private Hospital
Hobart Private Hospital
Holmesglen Private Hospital
Hollywood Private Hospital
Hurstville Private Hospital
Ipswich Hospital
Jessie McPherson Private Hospital
John Fawkner Private Hospital
John Flynn Private Hospital
John Hunter Hospital
Joondalup Health Campus
Kareena Private Hospital
Kawana Private Hospital

Knox Private Hospital
Lake Macquarie Private Hospital
Lakeview Private Hospital
Latrobe Regional Hospital
Launceston General Hospital
Lingard Private Hospital
Maryvale Private Hospital
Mater Health Services North Queensland
Mater Hospital Brisbane
Mater Hospital North Sydney
Mater Misericordiae Bundaberg
Mater Misericordiae Mackay
Mater Private Hospital Brisbane
Mater Private Hospital Redland
Mater Private Hospital Rockhampton
Mater Private Hospital Springfield
Mildura Base Hospital
Mildura Health Private Hospital
Mitcham Private Hospital
Monash Medical Centre
Mount Hospital
Mulgrave Private Hospital
Nambour Selangor Private Hospital
National Capital Private Hospital
Nepean Private Hospital
Newcastle Private Hospital
Noosa Private Hospital
North Shore Private Hospital
North West Private Hospital (Brisbane)
North West Private Hospital (Burnie)
Northpark Private Hospital
Norwest Private Hospital
Nowra Private Hospital
Peninsula Private Hospital
Pindara Private Hospital
Port Macquarie Private Hospital
Prince of Wales Private Hospital
Princess Alexandra Hospital
Queen Elizabeth Hospital
Queen Elizabeth II Jubilee Hospital
Royal Adelaide Hospital
Royal Brisbane and Women's Hospital
Royal Hobart Hospital
Royal North Shore Hospital
Royal Prince Alfred Hospital
Shepparton Private Hospital
Southern Highlands Private Hospital
St Andrew's War Memorial Hospital
St Andrew's-Ipswich Private Hospital
St George Private Hospital
St John of God Hospital Ballarat
St John of God Hospital Bendigo
St John of God Hospital Berwick
St John of God Hospital Bunbury
St John of God Hospital Geelong

St John of God Hospital Geraldton
St John of God Hospital Mt Lawley
St John of God Hospital Murdoch
St John of God Hospital Subiaco
St John of God Hospital Warrnambool
St Vincent's Hospital Lismore
St Vincent's Hospital Melbourne
St Vincent's Private Hospital (Fitzroy)
St Vincent's Private Hospital Northside
St Vincent's Private Hospital Toowoomba
Strathfield Private Hospital
Sunnybank Private Hospital
Sunshine Coast University Private Hospital
Sunshine Hospital
Sydney Adventist Hospital
Sydney Southwest Private Hospital
The Alfred Hospital
The Avenue Private Hospital
The Bays Hospital
The Wesley Hospital
Tuggerah Lakes Private Hospital
Wagga Wagga Base Hospital
Waikiki Private Hospital
Wangaratta Private Hospital
Warringal Private Hospital
Waverley Private Hospital
Western Hospital (SA)
Western Private Hospital (VIC)
Westmead Private Hospital
Williamstown Hospital
Wollongong Private Hospital

New Zealand Hospitals with Ethics Approval

Auckland City Hospital
Chelsea Hospital Trust
Christchurch Hospital
Gisborne Hospital
Grace Hospital
Mercy Hospital (Dunedin)
Middlemore Hospital
Ormiston Hospital
St George's Hospital
Southern Cross Hospital Christchurch
Southern Cross Hospital Hamilton
Southern Cross Hospital North Harbour
Southern Cross Hospital Wellington
Southland Hospital
Tauranga Hospital
Waikato Hospital

The Bariatric Surgery Registry acknowledges these industry sponsors for their generous support providing additional funding of this important health initiative.



Contact Information

Bariatric Surgery Registry
AUSTRALIA
T: 03 9903 0725
F: 03 9907 0717
E: medbsr@monash.edu

Bariatric Surgery Registry
NEW ZEALAND
T: 0800 636 276
F: 9 273 1710
E: bsr@auckland.ac.nz