



# MEASURING ANGIOPLASTY OUTCOMES

Genesis HeartCare is part of the GenesisCare network, Australia's largest provider of radiation oncology, cardiology and sleep treatments. The cardiology network includes HeartCare Partners Queensland, Bundaberg Cardiology, HeartCare Victoria, HeartCare Western Australia and Adelaide Cardiology.

The Genesis HeartCare Percutaneous Coronary Interventional database reflects our commitment to improving patient care by measuring and evaluating clinical outcomes.

## Information for Medical Practitioners

The Genesis HeartCare Clinical Leaders Forum (CLF) is a national committee that acts as an advisory group to approve the network's clinical standards, quality and safety. As part of their commitment to evidence-based clinical practice they have implemented the Genesis Care Percutaneous Coronary Interventional (PCI) database.

The PCI database captures details of PCI procedures to enable a better understanding of patient conditions, care choices and expected treatment results. Bupa has been a partner in the development and maintenance of Genesis HeartCare's PCI database that has over 7,000 patients enrolled and 5,394 patients who have completed a 12-month follow up.



Health outcomes post PCI are extremely good, with low rates of bleeding, stroke, peri-procedural myocardial infarction and mortality.

## PCI Database Outcome Results

**Genesis HeartCare has recently finalised the evaluation & analysis of the December 2014 data.**

**Highlights include:**

- **Improved health outcomes**

Health outcomes post PCI are extremely good, with low rates of bleeding, stroke, peri-procedural myocardial infarction and mortality. Survival post-discharge remains excellent overall and mortality in the 12 months post discharge is low at 0.29%.

- **In-hospital mortality rates are lower**

The rate of in-hospital mortality was 0.27% in December 2014 compared with 0.31% in December 2012. This rate has fallen slightly and continues to compare favourably with the largest international database, the US National Cardiovascular Data Registry (NCDR)'s in-hospital mortality rate of 4.83%.

- **Decreased unplanned cardiac re-admissions**

The number of unplanned or emergency re-admissions due to a cardiac cause continues to fall steadily. The incidence at 30 days was 2.66% in December 2014 compared to 3.21% in December 2012. The incidence at 12 months has also fallen to 8.76% in December 2014 from 9.99% in December 2012.

- **Continued adherence to evidence-based treatment**

Statin use has increased slightly at discharge — 93.82% in December 2014 compared with 93.75% in December 2013. The proportion of patients not receiving any cholesterol lowering medication has also reduced from 4.36% in December 2012 to 3.67% in December 2014. Compliance with guideline-based therapies remains high at baseline and at 12 months.

Anti-platelet therapy rates remains high at 99.04% and 94.25% at baseline and 12 months respectively.

Genesis HeartCare's PCI database has over 7,000 patients enrolled and 5,394 patients who have completed a 12-month follow up.



# The Prevalence of Risk Factors

Known risk factors that Genesis HeartCare's patients had before treatment with PCI procedures were collected at baseline.

<b>LIFESTYLE</b>	Patients at baseline with derived BMI above 40	<b>3.07%</b>
	Patients at baseline with derived BMI above 30	<b>35.71%</b>
<b>BIOMEDICAL</b>	LDL-C <2.0mmol/L at baseline	<b>38.51%</b>
	Blood Pressure <130/80mmHg at baseline	<b>36.78%</b>
	Patients with diabetes at baseline	<b>24.09%</b>
	Patients with diabetes managed with lifestyle measures alone	<b>7.05%</b>
	Patients with diabetes managed predominantly with oral medication	<b>15.25%</b>
	Patients with insulin-dependent diabetes	<b>6.47%</b>

Please note the fall in smoking rates over the 12 month period

<b>CATEGORY</b>	<b>HEALTH PARAMETER</b>	<b>BASELINE %</b>	<b>12 MONTHS POST DISCHARGE %</b>
<b>LIFESTYLE</b>	Male smokers at baseline	<b>9.97%</b>	<b>4.68%</b>
	Female smokers at baseline	<b>7.49%</b>	<b>4.13%</b>

As at August 2015