

VCOR

VICTORIAN CARDIAC OUTCOMES REGISTRY



VCOR Newsletter

April 2014

Issue #5

Meetings and Events

Data Manager feedback meeting 29th April 2014

Meet other VCOR Data Managers, share trade secrets; provide feedback and get project updates from the VCOR team at our networking and feedback session.

Clinical Quality Committee (CQC)

11 March (Q3 & Q4 2013)

17 June 2014 (Q1 2014)

14 October 2014 (Q2 2014)

9 December 2014 (Q3 2014)

Steering Committee (SC)

11 March 2014

22 July 2014

18 November 2014

VCOR Website

www.vcor.org.au

Online now.

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VCOR Project News

Welcome to issue five of the VCOR newsletter: the first for 2014. Both PCI and STEMI modules are continuing 'business as usual' with new sites coming on board regularly as we continue to develop more data collection modules concurrently whilst managing ongoing day to day business. The first VCOR PCI audits commenced in February and four sites have been audited to date. Every VCOR site is audited after 12 months, and then again once every three years thereafter.

After 16 months of PCI data collection, there are more than 5000 cases entered in the registry. 75% of these cases have had their 30 day follow up completed.

Our system developers have been busy finalising some more updates and Phase Two of the online PCI reports. As featured in our last newsletter, these reports have more comprehensive features than the summary reports currently available. They are available to Report Managers (PIs), Data Managers (hospital data) and Clinicians (own patients) and will be a valuable tool to compare local data to the VCOR PCI cohort.

We also wish to welcome Jacinta Clements (Research Assistant) to the VCOR team. To find out more about what's been happening at VCOR, please read on!

Update from the VCOR Clinical Lead: A/Prof Jeff Lefkovits



I am pleased to report that VCOR continues a successful project roll-out. Recruitment of all public PCI hospitals is now complete. Most of the large private hospitals are also contributing to the Registry and we have received expressions of interest from the few other private PCI hospitals regarding their involvement.

Data reports for the first four quarters of 2013 have now been distributed to participating health services and we received interesting and constructive feedback. Clearly, the most important feature of VCOR is its reporting

function and while early reports were presented in an overview format, health services wanted more detail in their reports – even when the number of patients was small and follow-up incomplete. As a result, we issued a supplementary cumulative report to each of the health services in January 2014 providing more in-depth data for the 2013 calendar year. The key performance indicators for VCOR were included to emphasise the performance assessment role of the Registry. It is important to note that the data in those reports were not risk-adjusted. VCOR has since employed a statistician to assist with development of a risk-adjustment model so that more clinically meaningful risk-adjusted reports will be available from the second half of 2014.

Beyond the area of coronary angioplasty, VCOR has rolled out the pilot STEMI module focussing on early management of acute STEMI in rural and regional settings. Four sites (Warragul, Wangaratta, Shepparton and

Traralgon) will contribute to the STEMI module. Three other sites in Gippsland have recently been approached to participate, which offers an exciting opportunity for a collaborative data linkage project with the Victorian Department of Health and Ambulance Victoria's new pre-hospital thrombolysis initiative; where ambulance officers deliver thrombolysis to heart attack victims who are more than 30 minutes away from a treating hospital.

VCOR continues to actively pursue setting up a Registry module for implantable cardiac devices (such as pacemakers and defibrillators) and a pilot project is underway with Monash University's Professor Henry Krum to develop a data set for patients presenting to hospital with heart failure.

As VCOR develops and continues to expand, we can look forward to more exciting opportunities in the area of cardiovascular therapy monitoring and quality assurance. Stay tuned for more information about our official launch by the Minister of Health later this year!



Victorian Cardiac Clinical Network





VICTORIAN CARDIAC OUTCOMES REGISTRY

Improving cardiovascular outcomes & cardiac care Victoria-wide

REGISTRY DATA, STATISTICS & REPORTING

Engaged VCOR sites

& Principal Investigators

PCI

The Alfred Hospital
Dr Stephen Duffy

The Austin Hospital
Dr David Clark

Ballarat Base Hospital
Dr Ernesto Oqueli

Bendigo Hospital
Dr Voltaire Nadurata

Box Hill Hospital
A/Prof Gishel New

Cabrini Hospital
A/Prof Jeffrey Lefkovits

Epworth Hospital (Richmond & Eastern)
A/Prof Ronald Dick

Frankston Hospital
Dr Geoffrey Toogood

Geelong Hospital
Dr Chin Hiew

Geelong Private Hospital
A/Prof John Amerena

Jessie McPherson Private
Prof Ian Meredith

Knox Private Hospital
Dr Michael Rowe

Melbourne Private Hospital
A/Prof Roderick Warren

Monash Medical Centre
Prof Ian Meredith

The Northern Hospital
A/Prof William vanGaal

The Royal Melbourne Hospital
A/Prof Leeanne Grigg

St John of God (Bendigo)
Dr Tony Jackson

St Vincent's Hospital (Melb)
A/Prof Andrew MacIsaac

St Vincent's Private Hospital
A/Prof Jack Gutman

Western Hospital
Dr Nicholas Cox

Western Private Hospital
Dr Deepak Haikerwal

Management of Acute STEMI

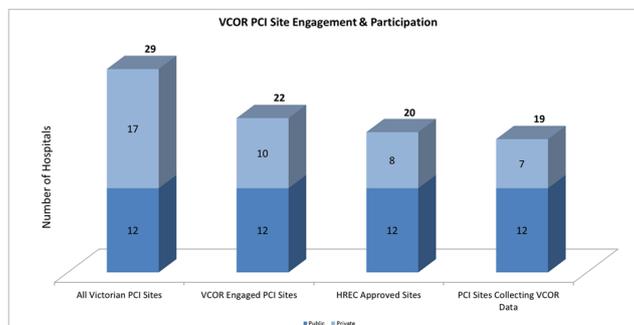
West Gippsland Healthcare
Dr Brett Forge

Goulburn Valley Health
Dr Tunde Ibrahim

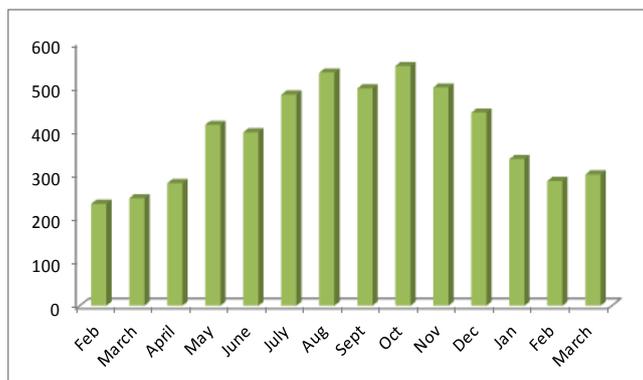
Northeast Health (Wangaratta)
Dr Robert Krones

Latrobe Regional Hospital
Dr Alistair Wright

VCOR PCI site engagement



VCOR PCI case ascertainment 2013-14



PCI Database Statistics *

| Case numbers | Total |
|-------------------------------|-------|
| Number of registered patients | 4611 |
| Number PCI cases | 5229 |
| 30 day follow-ups completed | 3766 |

* Statistics current as at 14th April 2014



Q1 2014 reports will be reviewed in June. Data for Q1 must be submitted by 31 May.

Online reports now available for sites and clinicians' data!

Phase 2 of VCOR online reporting was deployed in April 2014 to all PCI sites. Users can run reports on the entire cohort to compare results to all sites. It is important to note that at this early stage, data is not risk adjusted, and that no reports should be published or reproduced without written approval from the VCOR Steering Committee. For more information on the VCOR data access policy please contact: vcor@monash.edu.

Clinical Quality Monitoring and Data Quality Q3 & Q4

During Q3 and Q4 2013, 2832 PCI cases were entered onto VCOR (n=1451 and 1381, respectively). Fourteen sites in total were collecting VCOR PCI by the end of December 2013. This data was reviewed by the Steering and Clinical Quality committees (SC & CQC) on 31 March. No clinical quality issues were noted in the reports, although the data is yet to be risk-adjusted for KPI reporting. Work has commenced on producing some risk-adjustment models for VCOR data reporting. These models will be presented before the VCOR CQC and SC at the next meetings, when Q1 2014 data is reviewed.

| Hospitals | Total Cases | Submitted Baseline Cases | Follow-ups Complete |
|---------------------|-------------|--------------------------|---------------------|
| Q3 (1 Jul – 30 Sep) | 1451 | 94.6% | 87.4% |
| Q4 (1 Oct – 31 Dec) | 1381 | 88.6% | 68% |
| TOTAL | 2832 | 1223 | 77.9% |



VCOR NEWSLETTER



Improving cardiovascular outcomes & cardiac care Victoria-wide

VCOR DATA MANAGEMENT

Data Management Hints and Tips

- ◆ **Translated Patient Information Sheets** — Did you know that the VCOR PIS has been translated into 14 different languages? These translated documents are a great tool to assist with explaining the registry and informing your patients of their rights when English is not their first language. If your site does not have copies of these documents please email us. Translations are available for both VCOR and MIG-VCOR sites!
- ◆ **Data Managers Meeting** — Are you new to VCOR, have information to share or just want an opportunity to engage with other VCOR data managers? The VCOR Data Management Feedback sessions are a great way to gain and share knowledge and meet the VCOR team. If you have not been to a meeting before or if you are a regular make sure you RSVP for the next meeting which is scheduled in for April 29th.
- ◆ **Data Submission Deadlines**—Many of you will be aware that VCOR produces quarterly reports that are distributed to the site PI's and summary data to the Data Managers. In order for your sites data to be included in these reports you need to have baseline and follow up data entered by the cut off date for the relevant period. Data for the past quarter (to the 31st March) must be submitted by the 31st of May 2014.

VCOR Audit Procedure 2014

VCOR audits began in February 2014. Four sites have completed their first audit and the rest will follow as each site marks their first anniversary of data collection.

Audits are undertaken by experienced monitors who are trained and familiar with all aspects of VCOR data elements and data collection processes.

One of the primary aims of the audit is to ensure the integrity of VCOR data and case ascertainment. The audit also helps identify elements that may require review in future iterations of the registry. Monitors audit with the intent to identify discrepancies between the VCOR dataset and local hospital systems.

This is a collaborative process between the sites and the VCOR project team. If discrepancies are identified, the VCOR team will work collaboratively with sites to identify a cause and provide support and training where necessary. This is part of our commitment to continuing support and ongoing education.

MEET LEONIE BAKER

VCOR DATA MANAGER

This month's featured Data Manager is Leonie Baker, Cardiac Audit and Outcomes Coordinator at Epworth Hospital (Richmond).



Leonie has been collecting PCI data at Epworth for their in-house clinical audit for the last seven years and commenced collection of the cardiac surgery data for ANZSCTS in Jan 2011. Epworth joined VCOR in Jan 2013.

"Clinical audit has been the mainstay of my work over the last seven years and prior to that I worked on a project reviewing hospital deaths. My hospital experience comprises mainly cardiac clinical work."

The most challenging aspect of the data manager role: *"Checking and re-checking and re-checking..... to achieve the level of accuracy required. And like most people who work in this area I do enjoy a good spreadsheet and pivot table."*

The most enjoyable part of data management:

"Pulling together of all the information into a regular report that hopefully makes sense to the people who read it. Each day I feel I learn something new and I guess the appeal of this type of work is lost if that disappears."

Contact VCOR

Want to participate?

Want information?

Need some help?

Contact Us

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