

Research with Doctors

(Part 2)

Value in healthcare is defined as the health outcomes achieved for every dollar spent.¹ So how valuable is our healthcare?

Measuring, reporting and comparing the outcomes that matter²

Survival
 Degree of health or recovery
 Time to recovery
 Disutility of care or treatment progress
 Recurrences
 Long-term consequences of therapy

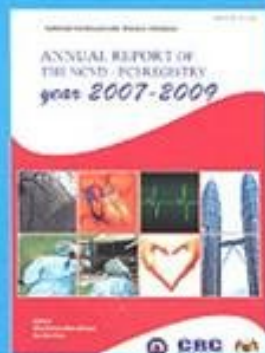


Your patient is your customer. And just as in any other field, the customer dictates what qualifies as quality. To improve the healthcare performance of patient-centered practices, outcomes should be measured for each medical condition and involve the full cycle of care (acute care, related complications, rehabilitation, and recurrences).²



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Patient registry is an organised system that uses observational study methods to collect uniform data on patients with a particular disease, condition, or exposure with the aim to evaluate changes in patients' profile, practice patterns, and most importantly to monitor variations in healthcare outcomes across hospitals and healthcare providers. This information will enable benchmarking and has the potential to improve healthcare performance. The MoH has established a few multicentre patient registries in Malaysia, information generated has been used to monitor clinical activities across MoH hospitals and providers. Patient Registry Annual Statistical Reports are available at <http://www.crc.gov.my/en/publications.html>



References

- Porter ME, & Teisberg EO. Redefining health care: creating value-based competition on results. Boston: Harvard Business School Press, 2006.
- Porter ME. What is value in healthcare? New Eng J Med 2010;363:2477-2481.

Maximising the Use of Registries to Determine Outcome Measures

Active Registries in MoH	Year Start
National Renal Registry: Malaysian Dialysis & Transplant Registry	1993
Malaysian Registry of Renal Biopsy	2005
Malaysian National Neonatal Registry	2002
Cataract Surgery Registry	2002
National Transplant Registry	2004
National Cardiovascular Disease Database: Acute Coronary Syndrome	2005
National Cardiovascular Disease Database: Percutaneous Coronary Intervention	2007

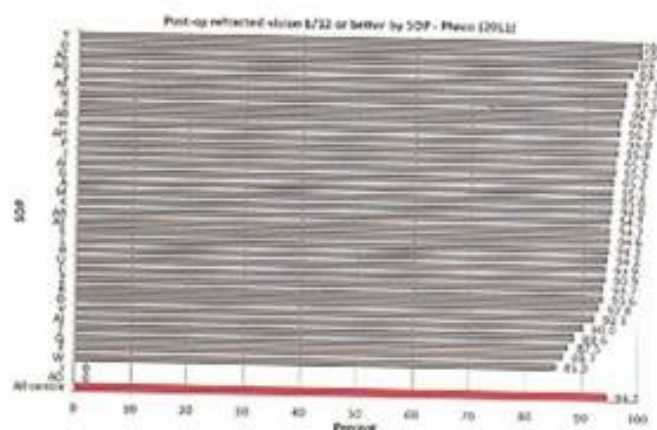
Active Registries in MoH	Year Start
National Cancer Patient Registry: Solid Tumour Registry	2007
National Cancer Patient Registry: Breast Cancer Registry	2007
National Cancer Patient Registry: Colorectal Cancer	2007
National Inflammatory Arthritis Registry	2007
Malaysian Registry of Intensive Care	2008
National Obstetric Registry	2008
National ENT Registry: Hearing Loss	2008
National Stroke Registry	2008

Use of Registry Data in Performance Monitoring

Dialysis & Transplant Registry has a dialysis centre report card that captures how well a centre is doing compared to other dialysis centres.

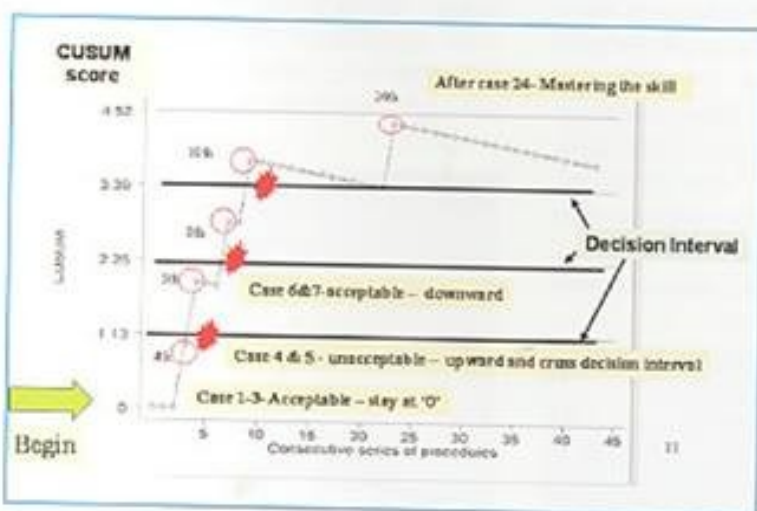


Cataract Surgery Registry has a report card to monitor visual outcomes and compare performance among hospitals.



CUSUM (Cumulative Sum) is a tool to monitor clinical competency by looking at trend of specified outcome on consecutive procedures by the same surgeon, displayed as a graph. Cataract Surgery Registry (CSR) provides data on intra-operative complication and post-operative visual outcome by the individual surgeon so a CUSUM Chart can be generated without having to collect data. Surgeons can also print their own surgical log book from data captured from CSR. See details on: <https://app.acrm.org.my/ecusum/> and published article (Mohamad AS, Chooong YF, Goh PP, Mariam I & Lim TO. CUSUM: A Dynamic Tool for Monitoring Competency in Cataract Surgery Performance. Br J Ophthalmol. 2010;94:445-449)

CUSUM Chart



CUSUM Chart: Intra-operative complication (Posterior Capsular Rupture)



By contributing to a patient registry in your speciality, you will be doing your part in helping the datasets better represent Malaysia's patient population.

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