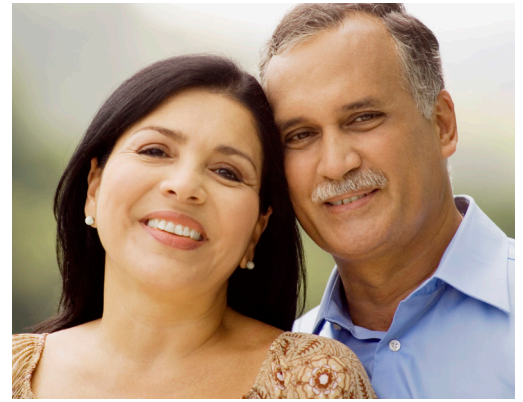


Canadian Organ Replacement Register Update



Welcome to the summer update for the Canadian Organ Replacement Register (CORR). This update includes highlights of the availability of CORR data for 2015, the collection of 2017 donor and transplantation data, new analytical products, upcoming CORR analytical products, CIHI's patient-reported outcome measures (PROMs) program, the CORR Access to Kidney Transplantation Feasibility Study and new research using CORR data.

Upcoming availability of 2015 CORR data on end-stage organ failure

The CORR program is planning to have 2015 data on end-stage organ failure available in September. This data will be used for analytical and data quality purposes and centre-specific feedback reporting by the CORR program, and will also be available for data requests. CORR data is intended for use by anyone interested in health system policy, and clinical and service management related to end-stage organ failure in Canada. It can be accessed on CIHI's website at www.cihi.ca/requestdata.

Submitting 2017 transplant and donor data to CORR

In 2011, Canadian Blood Services released *Call to Action*, a strategic plan to improve tissue and organ donation and transplantation (ODT) in Canada. One of the recommendations was for Canadian Blood Services to "implement an integrated data management and analytics service to support the needs of the Canadian organ and tissue donation and transplantation community." The Canadian Transplant Registry (CTR), managed by Canadian Blood Services, will become a common repository for data related to all donors, transplants and outcomes. As the data in the CTR grows as a result of evolving national policy and programs, the ability to provide more comprehensive reporting and analytics will also increase. CIHI and Canadian Blood Services are working in close collaboration toward the transition of ODT data collection and management activities from CORR to Canadian Blood Services.

For the 2017 data year, all transplant programs and organ procurement organizations will continue to submit ODT data to CORR. CIHI and Canadian Blood Services will keep data providers up to date regarding the progress of the transition project.

CORR analytical products available online

In February, the CORR program released the e-Statistics Report on Transplant, Waiting List and Donor Statistics for 2013 and 2014. These reports, which include summary statistics, were produced in a new easier-to-read format similar to that of CORR's annual statistics and Quick Stats.

In March, the CORR program released the following analytical products:

- *Treatment of End-Stage Organ Failure in Canada, Canadian Organ Replacement Register, 2005 to 2014.* The annual statistics were released in the form of tables and figures in Excel that provide a comprehensive look at end-stage organ failure in Canada. These annual statistics replace the traditional annual reports released in previous years. All analyses from the annual report have been maintained but in a more accessible format. The data tables were accompanied by a CIHI Snapshot, which summarizes key highlights from the statistics.
- *CORR Quick Stats (2014 data).* These pre-formatted and customizable interactive data tables can be accessed on the [CIHI Quick Stats page](#) under the topic "specialized care."

Upcoming CORR products

The CORR program is working on the following analytical products for release this winter:

- The 2015 e-Statistics Report on Transplant, Waiting List and Donor Statistics
- Treatment of End-Stage Organ Failure in Canada, Canadian Organ Replacement Register, 2006 to 2015
- CORR Quick Stats (2015 data)
- Research Study on Dialysis-Dependent Patients and Hospitalizations: Associated Risks and Costs. This study will use pan-Canadian data to look at the risks of hospitalization for dialysis patients and the associated factors affecting these risks. There will be an additional focus on hospitalizations for infection and the associated costs of these hospitalizations.

Patient-reported outcome measures

The last CORR newsletter included an introduction to the CIHI PROMs initiative to advance a common approach to collecting PROMs across Canada. Renal care has been identified as an important area to demonstrate the value of collecting PROMs, and the CORR team has been working with the BC Renal Agency and a pan-Canadian PROMs Renal Working Group to conduct a pilot project using data from the modified Edmonton Symptom Assessment System (mESAS) questionnaires to demonstrate that PROMs can provide information to guide decision-making at both the clinical and health system levels.

CORR Access to Kidney Transplantation Feasibility Study

In 2009, the CORR Board of Directors and Canadian Society of Transplantation (CST) Kidney Transplant Group identified a need to capture patient-level information on kidney transplant referrals and activations to the deceased donor waiting lists. The CORR Board approached CIHI to manage the data collection activities, which spanned a 6-year period from June 1, 2010, to April 30, 2016. 16 of 18 Canadian transplant centres captured end-stage renal disease patient information and data at the time of referral and final disposition regarding activation to the waitlist. CIHI closed this data set at the end of June 2016. Future analyses will examine the profile of the cohort and identify barriers to improve access to kidney transplantation.

New research using CORR data

CORR data is used in many CIHI products, including annual reports, special Analysis in Brief reports, Quick Stats, centre-specific comparative reports and more. CORR data is also frequently accessed by third-party data requestors for research purposes. Below is a list of journal articles published in 2015 and 2016 that used CORR data:

- Acuna SA, Fernandes KA, Daly C, Hicks LK, Sutradhar R, Kim SJ, Baxter NN. [Cancer mortality among recipients of solid-organ transplantation in Ontario, Canada](#). *JAMA Oncology*. April 2016.
- Ahmadi SF, Zahmatkesh G, Streja E, Mehrotra R, Rhee CM, Kovesdy CP, Gillen DL, Ahmadi E, Fonarow GC, Kalantar-Zadeh K. [Association of body mass index with mortality in peritoneal dialysis patients: a systematic review and meta-analysis](#). *Peritoneal Dialysis International*. 2016.
- Al-Jaishi AA, Lok CE, Garg AX, Zhang JC, Moist LM. [Vascular access creation before hemodialysis initiation and use: a population-based cohort study](#). *Clinical Journal of the American Society of Nephrology*. March 2015.
- Clark EG, Akbari A, Hiebert B, Hiremath S, Komenda P, Lok CE, Moist LM, Schachter ME, Tangri N, Sood MM. [Geographic and facility variation in initial use of non-tunneled catheters for incident maintenance hemodialysis patients](#). *BMC Nephrology*. 2016.
- Cohen BA, Courtney MJ, Moist LM, Barton J. [Needs assessment: towards a more responsive Canadian Society of Nephrology Annual General Meeting \(CSN AGM\) program](#). *Canadian Journal of Kidney Health and Disease*. June 2016.
- Harel Z, Wald R, McArthur R, Chertow GM, Harel S, Gruneir A, Fischer HD, Garg AX, Perl J, Nash DM, Silver S, Bell CM. [Rehospitalizations and emergency department visits after hospital discharge in patients receiving maintenance hemodialysis](#). *Journal of the American Society of Nephrology*. December 2015.
- Harrak H, Normand I, Grinker R, Elftouh N, Laurin LP, Lafrance JP. [Association between acetylsalicylic acid and the risk of dialysis-related infections or septicemia among incident hemodialysis patients: a nested case-control study](#). *BMC Nephrology*. 2015.
- Kim SJ, Thomas A. [The Canadian Organ Replacement Register: nursing's important contribution](#). *CANNT Journal*. October–December 2015.

- Knoll GA, Tinckam KJ. [Organ donation and transplantation: the view from Canada](#). *Transplantation*. November 2015.
- Liu FX, Rutherford P, Smoyer-Tomic K, Prichard S, Laplante S. [A global overview of renal registries: a systematic review](#). *BMC Nephrology*. March 2015.
- Molnar AO, van Walraven C, McArthur E, Fergusson D, Garg AX, Knoll G. [Validation of administrative database codes for acute kidney injury in kidney transplant recipients](#). *Canadian Journal of Kidney Health and Disease*. April 2016.
- Naylor KL, Jamal SA, Zou G, McArthur E, Lam NN, Leslie WD, Hodsmann AB, Kim SJ, Knoll GA, Fraser LA, Adachi JD, Garg AX. [Fracture incidence in adult kidney transplant recipients](#). *Transplantation*. January 2016.
- Perl J, Nessim SJ, Moist LM, Wald R, Na Y, Tennankore KK, Chan CT. [Vascular access type and patient and technique survival in home hemodialysis patients: the Canadian Organ Replacement Register](#). *American Journal of Kidney Diseases*. February 2016.
- Pieper D, Mathes T, Marshall MR. [A systematic review of the impact of center volume in dialysis](#). *BMC Research Notes*. December 2015.
- Sood MM, Akbari A, Hiebert B, Hiremath S, Komenda P, Rigatto C, Zimmerman D, Tangri N. [Trends in arteriovenous fistula use at dialysis initiation after automated eGFR reporting](#). *Seminars in Dialysis*. July–August 2015.
- Young A, Dixon SN, Knoll GA, Garg AX, Lok CE, Lam NN, Kim SJ. [The Canadian experience using the expanded criteria donor classification for allocating deceased donor kidneys for transplantation](#). *Canadian Journal of Kidney Health and Disease*. 2016.
- Zhang JC, Al-Jaishi A, Perl J, Garg AX, Moist LM. [Hemodialysis arteriovenous vascular access creation after kidney transplant failure](#). *American Journal of Kidney Diseases*. October 2015.

In addition to the new research, CORR also presented a poster at the 2016 Canadian Society of Nephrology (CSN) Annual General Meeting titled *10-Year Trends in Kidney Dialysis and Transplantation Treatment for Patients With End-Stage Kidney Disease in Canada*.



Talk to us

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