Canadian Organ Replacement Register (CORR) Overview

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CORR Definition and Mandate

- The Canadian Organ Replacement Register (CORR) is a national database on patients treated for end-stage organ failure
- Record and analyze activity and outcomes of organ replacement treatment
- Producing renal failure statistics since the early 1970s
CORR Purpose

• Provide a pan-Canadian view on end-stage organ failure statistics for comparative analyses

• Collect, process and analyze data on end-stage organ failure and organ transplants

• Provide statistics on long-term trends for program and system planning

• Provide a feedback mechanism to facilities

• Offer a quality assurance function for programs, and a national standard for comparison
CORR Scope

• Captures information on:
  – Treated patients
  – Specific treatments (transplant and dialysis)
  – Organ donors
  – Transplant and dialysis facilities
  – Transplant waiting list summary statistics from OPOs

• Access to Kidney Transplant (WAVE Pilot)
  – Fills the gap between wait list and transplant
CORR Data Elements

• Nearly 600 elements
  – Patient demographics (DOB, sex, race/ethnicity, postal code)
  – Diagnosis and co-morbidities
  – Treatment specific information (solid organ transplants: serology and HLA)
  – Treatment changes (hospital transfers, modality changes, dialysis withdrawal)
  – Outcomes (organ failures, failure cause, death)
  – Donor information (demographics, organ’s donated)
Participation in CORR

Dialysis
- Hospital Dialysis Centres\(^1\) n=97
- Satellite Centres\(^1\) n=154 and 21 IHFs\(^2\)

Transplants
- Hospitals\(^1\) n=28

Provincial Dialysis Programs ORN, BC Renal

Transplants and Organ Donors
- Provincial Organ Procurement Organizations\(^1\) n=6
- Regional Organ Procurement Organizations n=6

\(^1\) Provinces reporting include: Atlantic Provinces, Quebec, Ontario, Manitoba, Saskatchewan, Alberta and British Columbia.
\(^2\) IHF=Independent Health Facility
CORR - Data Collection

![Graph showing Atlantic data collection over years]

- Number of data forms
- Years: 2001 to 2010

The graph illustrates the number of data forms collected in the Atlantic region from 2001 to 2010.
CORR - Data Collection

Quebec

Number of data forms

CORR - Data Collection

Ontario

Number of data forms

Year

2001 2002 2003 2004 2005 2006 2007 2008 2009 2010
CORR - Data Collection

Manitoba

Number of data forms

CORR - Data Collection

Saskatchewan

Number of data forms

2001 2002 2003 2004 2005 2006 2007 2008 2009 2010
CORR - Data Collection

Alberta

Number of data forms

2001  2002  2003  2004  2005  2006  2007  2008  2009  2010
CORR - Data Collection

British Columbia

Number of data forms

2001  2002  2003  2004  2005  2006  2007  2008  2009  2010

2001  2002  2003  2004  2005  2006  2007  2008  2009  2010
Current Data Collection Process

CORR

Data Collection Forms

Processing at CORR
Data entry

Database

Servers
Future Data Collection Process

Submitting organization

Export

Data Collection Forms

Database

XML file

CSV file

Web Application

IT pre-processing

Importing

Database

CORR

Servers
Collaboration

• Develop electronic data submission specification

• Implement validation rule to ensure data quality

• Increase the quantity of electronic data submission to CORR

• Improve the timeliness of data submission
Conclusion

• Through collaboration we will achieve:
  Better data
  Better decision
  Healthier Canadians