

FACING THE FACTS

2022

Includes highlights from the Annual Statistics on Organ Replacement in Canada:
Dialysis, Donation and Transplantation, 2011 to 2020ⁱ

Kidney Disease

- 1 in 10 Canadians has kidney disease; that's **4 million people**.ⁱⁱ
- The leading cause of kidney failure is **diabetes** at 36%.^{*}
- The number of people living with end-stage kidney disease has **grown 31%** since 2011.^{*}
- 46% of new patients are **under the age of 65**.^{*}
- More than **52,000 Canadians** are being treated for kidney failure.ⁱⁱⁱ
- Treatment for those with end-stage kidney disease:
 - 57% are on **dialysis**
 - 43% have a **functioning transplant**ⁱⁱⁱ
- Of those patients on dialysis, **more than three-quarters** are receiving institutional hemodialysis, the most expensive treatment option.ⁱⁱⁱ
- Symptoms may not develop until **permanent damage** has occurred.
- There is **no cure** for end-stage kidney disease.
- In 2019, kidney disease was the **10th leading cause of death** in Canada.^{iv}
- 25% of new end-stage kidney disease patients were **late-referrals**, which means they started dialysis only 90 days after first seeing a nephrologist.^{*}

Organ Donation

- **77%** of the 4,129 Canadians on the waiting list for an organ transplant **are waiting for a kidney**.^v
- Of the people on dialysis, only **11% are on the waiting list** for a transplant.^{iii and v}
- The five-year survival rate for adults with transplanted kidneys from living donors is **90%** and **82%** from deceased donors.^{*}
- There were **1,518 kidney transplants performed** in 2020.^v
- Median wait time for a deceased-donor kidney transplant is **3 years, 9 months**.^{*}
- Median wait times for 2020 were:
 - longest in **Manitoba** (7 years, 2 months)
 - shortest in **BC** (2 years, 8 months)^{*}
- 26% of kidney transplants were made possible by **living donors**.^v
- More than 45% of all living donors were **unrelated** to the recipient.^v
- Per million population, there were only **19 people who became organ donors** and **13 people were living donors**.
- Rates per million population for kidney transplants from deceased donors:
 - Highest rate **Atlantic Canada: 21.7**
 - Lowest rate **Manitoba: 14.5**
- Since 2008, the Kidney Paired Donation Program has completed **863 transplants**.^{vi}

- i) Canadian Institute for Health Information. *Treatment of End-Stage Organ Failure in Canada, Canadian Organ Replacement Register, 2011 to 2020: End-Stage Kidney Disease and Kidney Transplants — Data Tables*. Ottawa, ON: CIHI; 2021., <https://www.cihi.ca/en/organ-replacement-in-canada-corr-annual-statistics>
- ii) Manns, Braden et al. "The Financial Impact of Advanced Kidney Disease on Canada Pension Plan and Private Disability Insurance Costs" *Canadian journal of kidney health and disease* vol. 4 2054358117703986. 17 Apr. 2017, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5406196/>
- iii) Canadian Institute for Health Information. *Treatment of End-Stage Organ Failure in Canada, Canadian Organ Replacement Register, 2011 to 2020: End-Stage Kidney Disease and Kidney Transplants — Data Tables*. Ottawa, ON: CIHI; 2021., <https://www.cihi.ca/en/organ-replacement-in-canada-corr-annual-statistics>, supplemented with data collected by the Quebec Branch of The Kidney Foundation of Canada as provided by renal units.
- iv) Statistics Canada. <https://www150.statcan.gc.ca/t1/tbl1/en/tv.action?pid=1310039401>
- v) Canadian Institute for Health Information. e-Statistics Report on Transplant, Waiting List and Donor Statistics, 2020, <https://www.cihi.ca/sites/default/files/document/corr-transplant-wait-list-donor-stats-2020-en.xlsx>
- vi) Canadian Blood Donor Services, Kidney Paired Donation (KPD) Program, <https://professionaleducation.blood.ca/en/organes-et-tissus/programmes-et-services/kidney-paired-donation-kpd-program>.

* Excludes Québec.