

Alberta Kidney Disease Network Database

Alberta Kidney Disease Network
Laboratory Data
 Results of laboratory tests (creatinine, hemoglobin, hemoglobin A1c, potassium, lipid profile, urine protein)
 Unique identifier allowing linkage with other data sources

Alberta Health and Wellness
Alberta Vital Statistics
 Date of death
 Cause of death

Alberta Health and Wellness
Population Registry
 Date of birth, gender, First Nation status, postal code, socioeconomic status by fiscal year

Alberta Health and Wellness
Alberta Blue Cross
 Formulary drugs, date of dispensing, quantity dispensed
 Cost

Alberta Health and Wellness
Ambulatory Care
 Date, nature and location of service
 Diagnostic and procedure codes (ICD-9-CM and ICD10-CA)
 Cost

Alberta Health and Wellness
Inpatient Encounters
 Admission and discharge dates
 Diagnostic and procedure codes (ICD-9-CM and ICD-10-CA)
 Case Mix Group
 Costs

Alberta Health and Wellness
Physician Claims
 Date and location of service
 Diagnostic codes (ICD-9-CM)
 Provider specialty
 Costs

Alberta Renal Program Database
 Identification of patients with a kidney transplant, on dialysis therapy, or recipients of multidisciplinary renal care

Chronic Disease Management
 Identification of patients receiving Chronic Disease Management care

Alberta Health & Wellness

Selected Examples of Data Use

- Identification of medical risk (lab data, diagnostic codes)
- Identification of non-medical risk (socioeconomic status, First Nations status, geographic location, physician and health care resource & program availability by postal code region)
- Quantification of utilization of appropriate /inappropriate physician, out-patient resources, in-patient encounters, and medications
- Health care costs and resource utilization
- Final health outcomes (death, hospitalization, new diagnosis)
- Intermediate health outcomes (hemoglobin A1c, progression of kidney function, adherence to standards of care)

