

# Critical Care in Alberta

Critical care provides specialized care for patients who have complex, life-threatening medical problems requiring urgent and intensive treatment using life-support technologies and inter-professional collaboration among clinicians. In Alberta, critical care is provided by approximately 2,000 healthcare providers in 20 intensive care units, which operate a total of 295 funded beds across all five health zones.



## Alberta ICUs: A Snapshot



2,200 children and 13,900 adults admitted to ICU  
Almost 99,000 days spent in ICU annually



Mean age of pediatric ICU patients: 5 years  
(median: 2.4)



Mean age of adult ICU patients: 59 years



Critical care teams helped 89% of critically ill/injured adults and 97.5% of pediatric patients survive.



66% of adult patients and 43% of pediatric patients received invasive mechanical ventilation



Ability to increase bed capacity to 425 to support increase in demand

- 14 Adult Mixed General Medical/Surgical ICUs
- 2 Adult Cardiovascular Surgical ICUs
- 1 Adult Neurosurgical ICU
- 2 Pediatric ICUs
- 1 Pediatric Cardiac ICU

### Completed Adult Procedures

- 13 800 Central lines inserted
- 13 254 Arterial lines inserted
- 9 869 Intubations
- 8 791 Chest Tubes inserted
- 645 Patients received CRRT\*
- 78 Patients received ECLS\*

\*CRRT- Continuous Renal Replacement Therapy  
\*ECLS- Extracorporeal Life Support

### Adult Admissions

- 13 900 Adults Admitted
- Average age 59 years old
- Median length of stay 2.9 days
- Average length of stay 5.4 days



2019 data retrieved from eCritical Tracer