### Burnie Local Government Area

#### Top 10 lists, Tasmanian public hospitals (2015-16)\(^8\)

<table>
<thead>
<tr>
<th>Potentially Preventable Hospitalisations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental conditions</td>
</tr>
<tr>
<td>Chronic obstructive pulmonary disease (COPD)</td>
</tr>
<tr>
<td>Angina</td>
</tr>
<tr>
<td>Congestive cardiac failure</td>
</tr>
<tr>
<td>Urinary tract infections, incl. Pyelonephritis</td>
</tr>
<tr>
<td>Convulsions and epilepsy</td>
</tr>
<tr>
<td>Iron deficiency anaemia</td>
</tr>
<tr>
<td>Ear nose and throat infections</td>
</tr>
<tr>
<td>Diabetes complications</td>
</tr>
<tr>
<td>Asthma</td>
</tr>
</tbody>
</table>

#### Primary diagnosis on admission

- (249) Care involving dialysis
- (238) Liveborn infants accord to plc of birth
- (H26) Other cataract
- (O80) Single spontaneous delivery
- (G47) Sleep disorders
- (R10) Abdominal and pelvic pain
- (E83) Disorders of mineral metabolism
- (J18) Pneumonia organism unspecified
- (I21) Acute myocardial infarction
- (Z51) Other medical care

#### Allied health provided in hospital

- Social work
- Pharmacy
- Physiotherapy
- Occupational therapy
- Dietetics
- Speech pathology
- Diabetes education
- Podiatry
- Prosthetics and orthotics
- Psychology

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### Demographics

<table>
<thead>
<tr>
<th>Burnie</th>
<th>Tas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Population (June 2016)(^1)</td>
<td>18,895</td>
</tr>
<tr>
<td>Aboriginal population(^2)</td>
<td>6.9%</td>
</tr>
<tr>
<td>Population 65+ years(^3)</td>
<td>18.4%</td>
</tr>
<tr>
<td>Median age in years(^4)</td>
<td>41</td>
</tr>
</tbody>
</table>

### Social determinants of health

- Median household weekly income\(^6\): $993 vs $1,100
- Social work: 8.4% vs 7.5%
- Unemployment rate (September 2015)\(^7\): 7.4% vs 6.5%
- Eligible population completed year 10 or higher\(^8\): 83.0% vs 86.3%

### Risk factors

- Self-assessed health, fair or poor (2013)\(^4\): 22.8% vs 19.0%
- Psychological distress, high or very high (2013)\(^4\): 13.9% vs 11.4%
- Current smoker\(^4\): 15.1% vs 15.7%
- Insufficient moderate/vigorous activity\(^4\): 15.1% vs 14.9%
- Inadequate vegetable consumption, <2 serves daily\(^4\): 95.2% vs 91.0%
- Inadequate fruit consumption, <2 serves daily\(^4\): 63.7% vs 59.6%
- Obese BMI\(^5\): 37.5% vs 24.3%

### Mortality (age standardised rates per 100,000 population)\(^6\)

- All-cause mortality (2008-2012): 675.6 vs 643.7
- Deaths due to circulatory disease (2008-2012): 195.6 vs 201.0
- Deaths due to cancers (2008-2012): 227.7 vs 190.1
- Potentially avoidable mortality (2008-2012): 199.0 vs 170.1

### Morbidity

- Persons aged 18+ with 3 or more chronic diseases\(^4\): 21.8% vs 21.5%
- Children fully immunised at 5 years of age\(^7\): 93.4% vs 92.4%
- Potentially preventable hospitalisations, age standardised rate per 1,000 population (2011/12-2015/16)\(^7\): 20.8% vs 21.2%

### Charlson comorbidities

- Renal disease
- Diabetes without chronic complication
- Any malignancy, including lymphoma and leukaemia, except malignant neoplasm of skin
- Diabetes with chronic complication
- Chronic pulmonary disease
- Metastatic solid tumour
- Congestive heart failure
- Myocardial infarction
- Dementia
- Mild liver disease

### Issues:

- 1. Population close to Tasmanian median in terms of age, but with more adverse social determinants, risk factors, mortality and morbidity

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\(^1\) Australian Bureau of Statistics, Regional Population Growth, Australia, 2016. Cat no 3218.0.
\(^2\) Australian Bureau of Statistics, Census of Population and Housing: General Community Profile, Australia, 2016, Cat No 2001.0 (Canberra, Australia: 2017).
\(^3\) Primary Health Information Development Unit, Social Health Atlas of Australia: Local Government Areas; Based on the Small Area Labour Markets – Australia, Department (2016).
\(^4\) Department of Health and Human Services, Tasmanian Population Health Survey 2013
\(^6\) Department of Health and Human Services Tasmania, Epidemiology Unit Data (2017).
\(^7\) Primary Health Information Development Unit, "Social Health Atlas of Australia: Local Government Areas; Complied Based on Data Provided by Australian Childhood Immunisation Register, Medicare Australia, 2015."
\(^8\) Department of Health and Human Services, Health data warehouse, 2011-2016