WSM Regional Partnership 2018

Regional Priorities
Fast Facts

Note: This document contains a range of data linked to the WSM Regional Partnerships current priorities and themes to be explored at the 2017 Regional Assembly. Every effort has been made to ensure the accuracy of data. Any opinions expressed may not necessarily reflect that of the WSMRP or the State Government.
**EDUCATION & EMPLOYMENT:** Primary to Post Secondary

**NUMBER OF SCHOOLS IN THE WSM**

<table>
<thead>
<tr>
<th>Total No. of schools</th>
<th>50 WSM</th>
<th>463 WSM</th>
<th>2,239 Victoria</th>
<th>7,140 WSM</th>
<th>76,708 Regional Victoria</th>
<th>952,178 Victoria</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. FTE enrolment in all schools</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of enrolment in Govt schools</td>
<td>5,465 WSM</td>
<td>54,188 WSM</td>
<td>603,795 Victoria</td>
<td>1,131 WSM</td>
<td>18,119 Regional Victoria</td>
<td>209,055 Victoria</td>
</tr>
<tr>
<td>No. of enrolment in Catholic school</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. of enrolment in independent schools</td>
<td>544 WSM</td>
<td>4,401 WSM</td>
<td>139,327 Victoria</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Source: DET July 2017, map courtesy WSM Lien*

**SCHOOLS IN OUR SERVICE REGION**

1. Beulah PS
2. Hopetoun P-12 College
3. Minyip PS
4. Murtoa College
5. Our Lady Help of Christians School
6. Rupanyup PS
7. St Joseph’s PS (Hopetoun)
8. St Mary’s PS (Warracknabeal)
9. Tempy PS
10. Warracknabeal SC
11. Warracknabeal PS
12. Warracknabeal SD School
13. Woowelim Group PS
14. Yaapeet PS

1. Dimboola PS
2. Dimboola Memorial SC
3. Jeparit PS
4. Nhill College
5. Nhill Lutheran School
6. Rainbow P-12 College
7. St Patricks School (Nhill)
8. St Peter’s Lutheran School (Dimboola)

1. Apsley PS
2. Edenhope College
3. Goroke P-12 College
4. Kaniva College
5. St Malachy’s PS (Edenhope)

1. Holy Trinity Lutheran School (Horsham)
2. Horsham SC
3. Horsham PS
4. Horsham Special School
5. Horsham West - Haven PS
6. Laharum PS
7. Natimuk PS
8. St Birgid’s College
9. Ss Michael & Johns’ Catholic PS (Horsham)

1. Concongella PS
2. Great Western PS
3. Hills Gap PS
4. Navarre PS
5. Marnoo PS
6. Skene Street (Stawell)
7. Stawell PS
8. Stawell SC
9. Stawell West PS
10. St Arnaud PS
11. St Arnaud SC

* Figures also include Birchip P-12, Donald PD & Donald High school
**Year 12 Completion Rates & Higher Education**

- Around 33% of WSM’s whole adult population completed year 12, compared to 40% for regional Vic, & 59% for Victoria.
- Around 76% have completed year 10.
- 78% of 19 year olds in the WSM in 2014 completed year 12.
- Year 12 attainment rates have improved over time, but still well below the State ave.

**Source:** VCAMs 2015

**Year 12 completion rate for 19 year olds, 2014**

![Year 12 completion rate](image)

**Vocational Training**

- Federation University, SkillInvest (Longerenong College) and RMIT offer direct ‘face to face’ vocational courses in the WSM.
- The vocational training market in the WSM is very small, with a predominance in Agriculture, health care, social welfare.
- Vocational Training Challenges include:
  a. Increasing participation in the vocational training sector, given high proportion of people with no non-school qualifications.
  b. Improving workforce skills, including that of trainers.
  c. A lack or regional coordination between providers and industry to plan for future training needs and opportunities, ie digital agriculture.
  d. Narrowing of the depth & breadth course options offered locally. (See final page).
  e. Retaining ‘face to face’ training options in thin markets
  f. Failure to utilise regional assets & resources, i.e. leasing unused space at Fed Uni for other providers to use.

**Source:** Data from Fed Uni, Skill Invest, Longerenong, & WSM Llen

**VET - Vocational Education & Training Options in the WSM**

- VET courses are offered one day/week in the WSM.
- 13 courses are being delivered in 2018, with 182 students enrolled in their first year and 118 continuing to do their second year.
- VET courses contribute to secondary students’ VCE or VCAL and provide a more hands-on approach to learning.
- WSM LLEN coordinates the WSM VET Cluster.
- Ave enrolment for VET courses since 2010 is 318 students/year.

**Source:** WSM LLen 2018 (does not include NGSC region)

**Higher Education**

- WSM’s population has a relatively lower attainment rate for higher education at all levels except Certificate, compared to Vic.
- 27% of people aged over 15, hold a bachelor degree or higher in the WSM, compared to 30% for Regional Vic and 48% for Vic.

**Source:** ABS Census 2016

**School leavers enrolled in higher education, 2012**

<table>
<thead>
<tr>
<th>Region</th>
<th>First Year</th>
<th>Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metropolitan Melbourne</td>
<td>28%</td>
<td>13%</td>
</tr>
<tr>
<td>Barwon</td>
<td>28%</td>
<td>9%</td>
</tr>
<tr>
<td>Mallee</td>
<td>29%</td>
<td>10%</td>
</tr>
<tr>
<td>Great South Coast</td>
<td>28%</td>
<td>11%</td>
</tr>
<tr>
<td>Ovens Murray</td>
<td>22%</td>
<td>8%</td>
</tr>
<tr>
<td>Loddon Campaspe</td>
<td>29%</td>
<td>10%</td>
</tr>
<tr>
<td>Central Highlands</td>
<td>23%</td>
<td>7%</td>
</tr>
<tr>
<td>Goulburn</td>
<td>31%</td>
<td>8%</td>
</tr>
<tr>
<td>Wimmera Southern Mallee</td>
<td>29%</td>
<td>3%</td>
</tr>
<tr>
<td>Gippsland</td>
<td>24%</td>
<td>9%</td>
</tr>
<tr>
<td>Great South Coast</td>
<td>21%</td>
<td>10%</td>
</tr>
<tr>
<td>Ovens Murray</td>
<td>23%</td>
<td>4%</td>
</tr>
</tbody>
</table>

**Student enrolments by year - Courses facilitated by the WSM VET Cluster**

<table>
<thead>
<tr>
<th>Year</th>
<th>Total First Year</th>
<th>Total Second Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td>323</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>257</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>296</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>359</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>308</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>303</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>377</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>343</td>
<td></td>
</tr>
</tbody>
</table>

*Enrolment data is based on the number of students who enrolled at the commencement of the school year and does not take into account the number of students who withdrew or did not complete the course.
EMPLOYMENT & WORKFORCE PARTICIPATION

General Unemployment, WSM Region

- WSM’s unemployment rate has been lower than the Vic ave over the last 6 years, although it has increased over the last three years.
Source: (SALM) REMPLAN 2016

Labour Force participation (as a % of the whole pop.)

- 59% of the whole population are in the labour force, the same as Regional Victoria and less than the State ave of 65%
- 15% of the over 65 age bracket are in the labour force, compared to 14% for Regional Vic and 13% for Victoria
Source: ABS Census data 2016 & REMPLAN

Wimmera - Southern Mallee (Workers Working in WSM) – by Age

<table>
<thead>
<tr>
<th>AGE</th>
<th>15-19</th>
<th>20-24</th>
<th>25-34</th>
<th>35-44</th>
<th>45-54</th>
<th>55-64</th>
<th>65-74</th>
<th>75-84</th>
<th>Over 84</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSM</td>
<td>1,311</td>
<td>1,854</td>
<td>3,849</td>
<td>4,127</td>
<td>5,430</td>
<td>5,192</td>
<td>1,303</td>
<td>268</td>
<td>25</td>
</tr>
<tr>
<td>Victoria</td>
<td>5%</td>
<td>6%</td>
<td>10%</td>
<td>14%</td>
<td>10%</td>
<td>14%</td>
<td>7%</td>
<td>5%</td>
<td>4%</td>
</tr>
</tbody>
</table>

Classification of Occupations

The WSM Labour force is broken into 32% blue collar, 36% professionals and managers 31% personal services, clerical, admin and sales workers.
Source: ABS Census data 2016

Jobs – Distribution & Trends

- Between 2011 and 2016, employment has increased in the two sectors employing the most people: Agriculture, Forestry & Fishing and Health Care and social assistance. Slight increases have occurred in construction, accommodation & food, professional and scientific & technology services, education and admin support services. Retail trade, manufacturing have seen decreases in the number of people employed in the WSM.
Source: ABS Census data 2016

Other Contributing Factors

Households with Internet Connection

75% of households have access to the Internet, compared to 78% for Regional Victoria and 86% for Victoria. However reliability and speed of connection also has a bearing on access.
Source: ABS Census data 2016
## Vocational & Post Secondary Courses Available in 2018

### Currently on offer with Students

<table>
<thead>
<tr>
<th>Course Type</th>
<th>Title</th>
<th>RMIT</th>
<th>Fed Uni</th>
<th>SkillInvest</th>
<th>Longy College</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHD</td>
<td>Candidates</td>
<td></td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bachelor</td>
<td>Social Science</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Early Childhood Ed (Blended)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nursing (Blended)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advanced Diploma</td>
<td>Agribusiness Management</td>
<td></td>
<td></td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td>Diploma</td>
<td>Nursing</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Project Management</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Agronomy (On-campus/ online)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certificate 4</td>
<td>Digital Media Technologies</td>
<td></td>
<td></td>
<td>Y</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Administration</td>
<td></td>
<td>Y</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Work Health and Safety</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Leadership and Management</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Competitive Systems and Practices</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Racing (Racehorse Trainer)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Racing (Jockey)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Agriculture (F/T on-campus &amp; Traineeship)</td>
<td>Y</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>New Small Business Management (NEIS)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Certificate 3</td>
<td>Heavy Commercial Vehicle Mechanical Tech</td>
<td>Y</td>
<td></td>
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<tr>
<td></td>
<td>Hairdressing</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Light Vehicle Mechanical Technology</td>
<td>Y</td>
<td>Y</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Automotive Sales</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Business</td>
<td>Y</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Customer Engagement</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Business Administration</td>
<td>Y</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Carpentry</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electro technology Electrician</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Engineering - Mechanical Trade</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Engineering - Fabrication Trade</td>
<td>Y</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Racing (Trackrider)</td>
<td>Y</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Racing (Advanced Stablehand)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plumbing</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Civil Construction Plant Operations</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Civil Construction</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Screen &amp; Media</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Agriculture (F/T on-campus &amp; Traineeship)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certificate 2</td>
<td>Electro technology (Career Start)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plumbing</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Automotive Vocational Preparation</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Salon Assistant</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Building &amp; Construction Pre Apprenticeship</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Engineering</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Racing (Stablehand)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Agriculture (F/T on-campus, Traineeship &amp; VETIS)</td>
<td>Y</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certificate 1</td>
<td>Transition Education</td>
<td>Y</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
**RENEWABLE ENERGY**

WSM suitable for three major renewables:

- **WIND**
- **SOLAR**
- **BIOMASS**

Five Wind Farms & Three Major Solar projects under consideration in the WSM.

**Future renewable projects limited by:**

- Amount of power that powerlines can carry.
- A lack of infrastructure & network capacity.
- Current network was designed to ‘send power out’, not for ‘decentralised’ power generation - current thinking.
- No major Interconnector running ‘east west’ across Wimmera.
- Main transmission line for the WSM feeds from Ballarat, to Horsham, then to Mildura, where it joins the Murraylink Interconnector.
- Southern Interconnector runs along the coast, to Portland, then to SA.

**Opportunities**

- Vic Govt committed to 25% renewable energy target (RET) by 2020 & 40% by 2025.
- The V-RET will deliver: up to 650 MW of new renewable energy capacity, enough electricity to power up to 389,000 households, bring forward up to $1.3 billion of investment, create 1,250 construction jobs over two years, and 90 ongoing jobs. (DELWP)
- Western Vic seen as key to Vic Govt fulfilling it’s RET.
- Region’s weather conducive for both wind & solar.
- High levels of investment flowing into renewables globally.
- Region has large expanses of land with small populations.
- A large-scale battery storage project is currently planned at Bulgana (Great Western)
- Two small communities are exploring ways of providing renewable power to towns and farms - Natimuk and Harrow

**A way forward**

- Explore community generated energy and microgrids to improve security, reliability and affordability in remote communities.
- Ballarat battery storage could be added to Bulgana to improve system reliability & security
- Explore micro grid demonstration and new energy jobs funding
- Establish a third Victoria-South Australia interconnector, from Horsham to Keith, via Nhill & Kaniva, this would:
  - Open up new locations for large scale renewable projects in Vic & SA,
  - Create extra redundancy & energy security for SA,
  - Create an extra 220-440 MW of power,
- Alternatively, upgrade power lines across region to double their capacity.

Map shows transmission lines in Western Victoria (greater than 66 kV).
Renewal projects in the Grampians region

As of April 2018, the region hosts the following renewable projects:

- Seven wind farms (four under construction at Crowlands, Yaloak South, Bulgana, Maroona)
- Four bioenergy facilities using waste (straw, wood or piggery effluent) to generate electricity and/or heat
- Over 17,400 solar installations on rooftops (residential and business)

The largest array is 333 KW, Ballarat Solar Park located at Ballarat Airport

Source: Solar PV data from apvi.org.au Dec 2017

Renewable Energy Generation Constraints

Thermal & system strength limitations of the transmission system in West Vic.

Network limitations outside of western Vic, including interconnector capability.

AEMO is undertaking a Regulatory Investment Test for Transmission (RIT-T), an economic cost benefit test to assess and rank transmission investment options.

Source: AEMO 2017
‘Well developed land use planning is key to promoting economic development, reducing infrastructure costs and enhancing environmental values.’

**LAND USE & ECONOMY**

- Agriculture is the dominant land use, economic driver and employment sector in the region, predominantly comprising of broad acre cropping of cereals, pulses and oilseeds in the central and northern parts of the region and livestock grazing in the southern parts.

- Other key employment sectors are health care, manufacturing, retail and construction. Manufacturing, tourism, transport and mining are also important elements of the economy in some parts of the region. (WSM Regional Growth Plan 2014)

*Source: ABS Census 2011*

**Land use by activity, 2011**

- Barwon
- Central Highlands
- Gippsland
- Goulburn
- Great South Coast
- Loddon Campaspe
- Mallee
- Metropolitan Melbourne
- Ovens Murray
- Wimmera Southern Mallee

**KEY INDUSTRIES**

**TOP FIVE INDUSTRIES BY NUMBER OF BUSINESSES IN WSM REGION**

<table>
<thead>
<tr>
<th>Top five industries</th>
<th>No of businesses</th>
<th>% of all businesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture Forestry and Fishing</td>
<td>2,758</td>
<td>46.6%</td>
</tr>
<tr>
<td>Construction</td>
<td>542</td>
<td>9.2%</td>
</tr>
<tr>
<td>Rental, Hiring, &amp; Real Estate Services</td>
<td>411</td>
<td>6.9%</td>
</tr>
<tr>
<td>Retail trade</td>
<td>331</td>
<td>5.6%</td>
</tr>
<tr>
<td>Financial &amp; Insurance Services</td>
<td>283</td>
<td>4.8%</td>
</tr>
</tbody>
</table>

*Source: ABS Data by Region 2016*

**ESTIMATED ECONOMIC CONTRIBUTION OF TOURISM IN GRAMPIONS REGION 2016**

- **$1.044 billion**
  Gross Regional Product generated by tourism industry in Grampians (2013-14)

- **$325 million**
  Domestic Visitor Expenditure in Grampians

- **9,200**
  Number of people employed in the tourism industry in Grampians (2013-14)

- **1,202,000**
  Domestic Day Trip Estimates to Grampians

- **818,000**
  Domestic Overnight Visitor Estimates to Grampians

- **57,200**
  International Overnight Visitor Estimates to Grampians


**Agricultural sector accounts for**

- **25%** WSM jobs
- **47%** All businesses
POPULATION DATA

Estimated Resident Population

**Estimated Resident Population 2016 = 47,277**

The table below shows the Estimated Resident Population (ERP) for each LGA in WSM, the population change in the 2015-2016 year and the population change between 2006-2016.

<table>
<thead>
<tr>
<th>Local Government Area</th>
<th>2016 no.</th>
<th>2015-2016 % no.</th>
<th>2006-2016 no.</th>
<th>%pa.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horsham</td>
<td>19,801</td>
<td>0.3</td>
<td>1,031</td>
<td>0.5%</td>
</tr>
<tr>
<td>Hindmarsh</td>
<td>5,446</td>
<td>-1.7</td>
<td>-673</td>
<td>-1.2%</td>
</tr>
<tr>
<td>Northern Grampians</td>
<td>11,471</td>
<td>-0.8</td>
<td>-624</td>
<td>-0.5%</td>
</tr>
<tr>
<td>West Wimmera</td>
<td>3,855</td>
<td>-1.5</td>
<td>-684</td>
<td>-1.6%</td>
</tr>
<tr>
<td>Yarriambiack</td>
<td>6,704</td>
<td>-1.5</td>
<td>-905</td>
<td>-1.3%</td>
</tr>
<tr>
<td><strong>Total WSM ERP</strong></td>
<td><strong>47,277</strong></td>
<td><strong>-0.6%</strong></td>
<td><strong>-291</strong></td>
<td><strong>-0.4%</strong></td>
</tr>
</tbody>
</table>

Source: Regional Population Growth 2015-2016

Population Distribution & Projection

- The WSM has an estimated resident population of 47,277.
- The lowest of any regional partnership region.
- Approx. 42% of people live in Horsham.
- The WSM’s population is ageing.
- Forecasts indicate the 65+ age cohorts are expected to increase significantly as a share of the region’s total population.

Source: Victoria in Future (June 2016)

ENVIRONMENT

Environmental Assets

The WSM is highly diverse and includes mountains, plains and desert environments supporting a range of ecosystems. The region has been heavily cleared with most remaining native vegetation located on public land.

Key environmental assets identified by the Wimmera Regional Catchment Strategy 2012-18, include rivers and streams, wetlands, native vegetation, threatened plants and animals and soils.

The Grampians, Little Desert and Wyperfeld National Parks are important for nature conversation and, together with Mount Arapiles represent significant tourist attractions.

Source: WSM Regional Growth Plan 2014

WSM RAINFALL

Lower than average rainfall compared to Victorian Reference Period (660.2)

Mean annual rainfall for major WSM towns (100 year average)

<table>
<thead>
<tr>
<th>Town</th>
<th>Mean Rainfall Victorian Reference Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horsham</td>
<td>850</td>
</tr>
<tr>
<td>Hindmarsh (Dimboola)</td>
<td>800</td>
</tr>
<tr>
<td>Northern Grampians</td>
<td>750</td>
</tr>
<tr>
<td>West Wimmera (Edenhopec)</td>
<td>700</td>
</tr>
<tr>
<td>Yarriambiack</td>
<td>650</td>
</tr>
</tbody>
</table>

Source: BOM 2017

NB: Town choice reflects weather stations with longest recorded history

Water Supply WSM selected water storage level & capacity (July 2016)

- Much of the area’s water supply comes from the Wimmera Mallee pipeline.
- An extension to link the pipeline to the West Waranga Channel has been announced. With further extension to the East Wimmera and West Wimmera.
**Regional Planning & Infrastructure:** Economy

---

### Percentage of exposed soil in the Wimmera.

Exposed soil means the % of soil that is unprotected by living vegetation or litter as mapped from MODIS satellite imagery following CSIRO’s methodology.

![Graph showing percentage of exposed soil from 2000 to 2016.]

### Area of land protected and managed under agreements.

Overall there was an increase to land managed under covenant of 85 hectares and an increase of 1,700 hectares of land managed under contracts between landholders and Wimmera CMA.

<table>
<thead>
<tr>
<th>Protection type</th>
<th>Area covered (hectares)</th>
<th>Additional area 2015-16 (hectares)</th>
</tr>
</thead>
<tbody>
<tr>
<td>National parks</td>
<td>192,000</td>
<td>0</td>
</tr>
<tr>
<td>State parks</td>
<td>83,900</td>
<td>0</td>
</tr>
<tr>
<td>Trust for Nature covenants</td>
<td>14,730</td>
<td>85</td>
</tr>
<tr>
<td>Landholder agreements</td>
<td>17,600</td>
<td>1,700</td>
</tr>
</tbody>
</table>

---

### Impacts of Climate change

- The Wimmera Southern Mallee region has already become warmer and drier – a climate trend likely to continue into the future. DELWP’s climate forecast for the WSM within a drier scenario include:
  - For cropping, the lower incidence of frost may allow for earlier planting and lead to increased yields if there is enough soil moisture.
  - Managing heatwaves and heat stress will be an increasing priority due to the region’s older housing infrastructure.
  - Harsher fire weather in warmer conditions, especially during peak summer tourist seasons, and reduced water availability in wetlands and lakes pose serious challenges for this region.
  - For the near future (2030), the annually averaged warming is projected to be around 0.6 to 1.3°C above the climate of 1986–2005.

*Source: DELWP 2016 Climate ready Victoria- Grampians*

**Grampians Climate Risks**

- **Projected annual average temperature changes for the Grampians region, with high and low emission forecasts.**

---

### Internet Access

**Trend:** WSM has a lower level of household internet access when compared to Regional Victoria, and Victoria. Household internet access rates are particularly low in the Wimmera.

<table>
<thead>
<tr>
<th>Proportion of Households with Internet</th>
<th>83.7% Victoria</th>
<th>78.0% Regional Victoria</th>
<th>72.9% WSM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horsham</td>
<td>75.2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hindmarsh</td>
<td>70.5%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northern Grampians</td>
<td>71.9%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>West Wimmera</td>
<td>71.2%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yarriambank</td>
<td>71.0%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Source: ABS Census 2016*

---

**Projected annual average rainfall changes for the Grampians region, with high and low emission forecasts.**

- **2030**
  - 2% decrease
  - 15% decrease
  - 19% decrease

- **2070 low emissions**
  - 3% decrease
  - 7% decrease
  - 28% decrease

- **2070 high emissions**
  - 5% decrease
  - 6% decrease
  - 19% decrease
Mineral Resources

- The Wimmera Southern Mallee region contains around 75% of the state’s mineral sands deposits (by area).

  Source: DEDJTR

Forests, Plantations, Parks and Reserves 2016

- Wimmera Southern Mallee contains areas of state forest, however there is very little harvestable timber in the region.

- The region also contains some notable parklands, including the Grampians, Wyperfeld and Little Desert National Park.

  Source: DEDJTR- Vicmap Lite 2016

Cultural Heritage

Cultural heritage is an important part of the WSM’s identity. Aboriginal people have strong relationships with the regions heritage and have custodianship and decision making roles, related to heritage.

Three Registered Aboriginal Parties play an important role in place-based activity, they include, Barengi Gadjin Land Council Aboriginal Corporation, DjaDja Wurrung Clans Aboriginal Corporation and Gunditj Mirring Traditional Owners Aboriginal Corporation.

  Source: WSM Regional Growth Plan 2014

IMPROVED TRANSPORT INFRASTRUCTURE

Priorities include:

- Duplication of Western Highway to the SA border $320 million. (Priority: Ararat to Stawell)
- Horsham bypass. $165 million.
- Bypass for towns between Ballarat and SA border $420 million.
- Henty Highway improvements – access Port of Portland
- Upgrade ‘C class’ roads
- The Grampians Way Ring Road $8 million
- Five new passing loops for rail freight: $25 million.

  Source: Wimmera Southern Mallee Regional Investment Plan 2017

KEY COMMUNITY INFRASTRUCTURE ISSUES

Skilled workforce retention
- aging workforce
- out-migration of young people
- creating attractive job opportunities
- provision of quality education and training services
- developing cultural asset
- emphasis on rural lifestyle

Impacts of declining population and servicing small dispersed settlements
- shared social service models
- role of Horsham as the regional centre
- effective transport links

State and Federal infrastructure funding channelled to urban centres and high or growing populations
- competitively securing funding for infrastructure
- making an economic case for funding regional Victoria

Limits to establishing a more diversified local economy
- declining population
- strong connection to existing agricultural industry
- links to global economy
- decline in younger working age population
- growth in dependent population
- maintaining infrastructure

Facilities and Services

Most higher order services are located in Horsham. However, the considerable distance between settlements and large hinterland areas of some towns results in some small settlements providing a wider range of services than would normally be provided in settlements of comparable size. For example, there are public hospitals in Stawell, Dimboola, Nhill, St Arnaud, Edenhope, Warracknabeal, Jeparit, and Rainbow. Horsham also has a TAFE campus.

  Source: WSM Regional Growth Plan 2014
An adaptive capacity index was developed by the Victorian government to assist in understanding the vulnerability of Victorian regions to change.

Adaptive capacity can be understood in terms of a community’s endowments of various resources. This index consists of four forms of capital (below):

- **Human capital** - labour and influences on the productivity of labour including education, skills and health.
- **Social capital** - claims on others by virtue of social relationship.
- **Physical capital** - produced by economic activity including infrastructure, equipment and technology.
- **Financial capital** - savings and credit.

The higher the index score, the better able communities are to cope with change.

Source: DEDJTR Social Research Team 2016

### Adaptive capacity – regional partnership LGAs

<table>
<thead>
<tr>
<th>Region</th>
<th>Index Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yarriambiack (S)</td>
<td>0.6</td>
</tr>
<tr>
<td>Horsham (RC)</td>
<td>-0.4</td>
</tr>
<tr>
<td>Hindmarsh (S)</td>
<td>0.2</td>
</tr>
<tr>
<td>Northern Grampians (S)</td>
<td>-0.2</td>
</tr>
<tr>
<td>West Wimmera (S)</td>
<td>-0.8</td>
</tr>
</tbody>
</table>

### Snapshots of projects from WSM Regional Investment Plan 2017

<table>
<thead>
<tr>
<th>Region</th>
<th>Project</th>
<th>Proposed Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hindmarsh</td>
<td>Wimmera River Discovery Trail</td>
<td>$3.5m</td>
</tr>
<tr>
<td></td>
<td>Albacutya Bridge</td>
<td>$3.3m</td>
</tr>
<tr>
<td></td>
<td>Nhill Library</td>
<td>$1.5m</td>
</tr>
<tr>
<td>Horsham</td>
<td>CBD Revitalisation</td>
<td>$6.5m</td>
</tr>
<tr>
<td></td>
<td>WIFT Precinct Development</td>
<td>$2.4m</td>
</tr>
<tr>
<td></td>
<td>Indoor sports stadium</td>
<td>$6.0m</td>
</tr>
<tr>
<td>Northern Grampians</td>
<td>Halls Gap Tourist Resort town revitalisation</td>
<td>$10.0m</td>
</tr>
<tr>
<td></td>
<td>Stawell Innovation and Employment Zone</td>
<td>$7.0m</td>
</tr>
<tr>
<td></td>
<td>St Arnaud Civic Precinct</td>
<td>$1.2m</td>
</tr>
<tr>
<td>West Wimmera</td>
<td>Edenhope Cultural and Community Hub</td>
<td>$1.8m</td>
</tr>
<tr>
<td></td>
<td>Kaniva Community and Cultural Precinct</td>
<td>$1.3m</td>
</tr>
<tr>
<td></td>
<td>C Class Roads</td>
<td>$15.6m</td>
</tr>
<tr>
<td>Yarriambiack</td>
<td>Woomelang Community Units</td>
<td>$0.5m</td>
</tr>
<tr>
<td></td>
<td>Minyip St Arnaud Rd</td>
<td>$4.5m</td>
</tr>
<tr>
<td></td>
<td>Warracknabeal and Hopetoun Aerodrome Upgrades</td>
<td>$5.0m</td>
</tr>
</tbody>
</table>

### PIVOTAL ROLE OF LOCAL GOVERNMENT

#### Local Government

- Facilitators of investment
- Advocates for key regional projects
- Owners/managers/maintainers of community infrastructure

#### Regional recognition of shared social service infrastructure

- Use of schools by community
- Management of public halls
- Integrated local / state government infrastructure planning
- Public use of CFA facilities

Source: Social Services in the Grampians Region 2030

#### Local government has a key role in transport infrastructure

- Provision of ‘C’ Class roads
- Management of airport/airstrips
- Active transport routes
- Advocacy of regional rail and road projects

**SERVICE DELIVERY:** Access, Quality and Range of Services

**ACCESS TO HEALTH SERVICES**
Public hospitals are counted as the number of hospital locations with acute beds

<table>
<thead>
<tr>
<th>Western Vic (inc WSM, Great Sth Coast, Central Highlands &amp; Geelong)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hindmarsh</td>
</tr>
<tr>
<td>Horsham</td>
</tr>
<tr>
<td>Northern Grampians</td>
</tr>
<tr>
<td>West Wimmera</td>
</tr>
<tr>
<td>Yarriambiack</td>
</tr>
</tbody>
</table>

**General Practices**

- **Access to Health Services**
  - **Western Vic**
    - (inc WSM, Great Sth Coast, Central Highlands & Geelong)
  - **Hindmarsh**
  - **Horsham**
  - **Northern Grampians**
  - **West Wimmera**
  - **Yarriambiack**

**General Practitioners per capital 2011**
- **WSM** is relatively poorly serviced by GPs, with 101.0 per 100,000 people.
- In June 2016, the Wimmera PCP calculated there were an estimated 55 doctors across the four shires, (excluding NGSC).

**Source:** Western Vic PHN

**Access to General Practitioners per capital 2011**

- **WSM** has 13 hospitals, 12 of which contain 50 beds or less.
- The largest is the Wimmera Base Hospital in Horsham.
- There are no private hospitals in the WSM region.

**Source:** Myhospitals, (DHHS) VIC (2015)

**Hospitals in the WSM**
- WSM has 13 hospitals, 12 of which contain 50 beds or less.
- The largest is the Wimmera Base Hospital in Horsham.
- There are no private hospitals in the WSM region.

**Source:** Myhospitals, (DHHS) VIC (2015)
SERVICE DELIVERY: Access, Quality and Range of Services

Access to Essential Services

Access to essential services for small towns
- The RAI conducted a longitudinal study from 1981-2011 to track the number of key service professionals in small regional towns across Aust. A small town is defined as “outside of a metropolitan centre with a population between 200-5000 residents”.
- Consistent face to face access to service delivery professionals is an important part of improving outcomes for small towns & improving economic and social prospects in some of the nations most disadvantaged locations.
- With the exception of police officers, primary school teachers and paramedics, people in small remote towns experienced declines in face to face services from dentists, psychologists and pre-school teachers.

Rigid program design that does not adequately allow for distance, road quality, the complex digital divide and existing disadvantage is unlikely to improve outcomes for small town communities.

Source: Bourne, Nash, Horton Regional Australia Institute report 2017

<table>
<thead>
<tr>
<th>Service Delivery Professional</th>
<th>Percentage of small towns (per cent)</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1981</td>
<td>2011</td>
<td></td>
</tr>
<tr>
<td>GP</td>
<td>14</td>
<td>18</td>
</tr>
<tr>
<td>Nurse</td>
<td>77</td>
<td>78</td>
</tr>
<tr>
<td>Psychologist</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>Dentist</td>
<td>9</td>
<td>5</td>
</tr>
<tr>
<td>Preschool teacher</td>
<td>25</td>
<td>16</td>
</tr>
<tr>
<td>Primary school teacher</td>
<td>78</td>
<td>74</td>
</tr>
<tr>
<td>Secondary school teacher</td>
<td>66</td>
<td>63</td>
</tr>
<tr>
<td>Police officer</td>
<td>55</td>
<td>46</td>
</tr>
<tr>
<td>Paramedic</td>
<td>18</td>
<td>19</td>
</tr>
<tr>
<td>Social Welfare worker</td>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>

Source: Table 3: Proportion of all small towns with service delivery professions within the community, 1981-2011. RAI 2017

Teen fertility rates

High rates of Teen fertility rates 2007-2012
- WSM has the highest rate of teen fertility of 59 births per 100,000 for girls aged 15-19.
- This high rate maybe due to poor access to contraception, poor access to GPs, lack of transportation/public transport to be able to access a GP and limited availability and access to surgical or chemical termination.
- This translates to an ave of 11.8 pregnancies annually for the region, well above the state ave.

Source: PHIDU (2012)

Social Disadvantage

Socio-economic disadvantage and access to services
- SEIFA is a measure of relative disadvantage, including prevalence of single-parent families, poor English skills, no internet connection, over-crowded dwellings, joblessness and low income.
- Inter-sectionality describes the impact of compounding disadvantage on an individual and/or family. People living in very remote parts of the WSM, without reliable transport & access to no public transport, limited or no Internet and poor health have multiple and complex forms of disadvantage, even before attempting to access services.
- The WSM rates poorly on this index, compared to other regions across regional Vic. How services respond to complex disadvantage requires more resources, not less.

Source: Index of Socio-Economic Indexes for Areas (SEIFA), ABS 2011
SERVICE DELIVERY: Access, Quality and Range of Services

Remoteness and access to services

- ARIA is an index of remoteness derived from measures of road distances between populated localities and Service Centres, which are then used to generate a remoteness score for any location in Australia. The higher the score the more remote the LGA.

- Across all regional LGAs 4 of the 5 LGAs, excluding NGSC, appear in the 8 most remote regions of Victoria.

Source: Aust Population & Migration Research Centre.

Telehealth has great promise

- Since Nov 2015 a virtual Oncology consulting room has been established between the Wimmera Cancer nurse practitioner and medical oncologists from Ballarat.
- 105 patients from the across the WSM and 66 patients from Horsham used the service.
- Over the period of the trial patients saved 59,750 km by using telehealth, and also reduced the cost and time for treatments.

Source: Wimmera Health Alliance 2017

Disability and access to services

- 7.45% of the WSM population require assistance in one or more of the three core activity areas (self care, mobility & communications), because of a long term health condition, a disability or old age, this is higher than Regional Vic 6.56% and the Vic ave 5.52%.

- These individuals require higher levels of support and assistance and may be impacted by a lack of access to transport and service availability

Source: PHIDU 2017

High rates of Family Violence

Crime and Justice

- WSM has recorded considerably more family-related incidents than most other Vic regions. 2200 reports per 100,000 of the population, compared to 1264 per 100,000 of the population compared to the whole of Victoria.


Telehealth has great promise for the WSM

- Since Nov 2015 a virtual Oncology consulting room has been established between the Wimmera Cancer nurse practitioner and medical oncologists from Ballarat.
- 105 patients from the across the WSM and 66 patients from Horsham used the service.
- Over the period of the trial patients saved 59,750 km by using telehealth, and also reduced the cost and time for treatments.

Source: Wimmera Health Alliance 2017

Kilometres travelled for treatment

- Kms travel to Ballarat return Kms
- Travel to Horsham return
- Kms saved by patients
### SERVICE DELIVERY: Access, Quality and Range of Services

#### Access to services – Cancer Screening Rates

<table>
<thead>
<tr>
<th></th>
<th>HINDMARSH</th>
<th>HORSHAM</th>
<th>NTH GRAMPS</th>
<th>WEST WIM</th>
<th>YARRI</th>
<th>WEST VIC</th>
<th>AUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bowel</td>
<td>35.8%</td>
<td>38.8%</td>
<td>32.5%</td>
<td>38.7%</td>
<td>31.7%</td>
<td>42%</td>
<td>37%</td>
</tr>
<tr>
<td>Breast</td>
<td>61.5%</td>
<td>64.3%</td>
<td>55.6%</td>
<td>55.2%</td>
<td>57.7%</td>
<td>59%</td>
<td>54%</td>
</tr>
<tr>
<td>Cervical</td>
<td>52.3%</td>
<td>59.5%</td>
<td>51.0%</td>
<td>56.1%</td>
<td>55.1%</td>
<td>60%</td>
<td>57%</td>
</tr>
</tbody>
</table>

Source: Western Vic PHN Population Health Snapshots

#### Access to services – Immunisations

<table>
<thead>
<tr>
<th></th>
<th>HINDMARSH</th>
<th>HORSHAM</th>
<th>NTH GRAMPS</th>
<th>WEST WIM</th>
<th>YARRI</th>
<th>WEST VIC</th>
<th>AUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 year olds fully immunised</td>
<td>100%</td>
<td>91.7%</td>
<td>96.6%</td>
<td>90.9%</td>
<td>100%</td>
<td>93%</td>
<td>91%</td>
</tr>
<tr>
<td>2 year olds fully immunised</td>
<td>90%</td>
<td>93.0%</td>
<td>96.6%</td>
<td>100%</td>
<td>100%</td>
<td>91%</td>
<td>89%</td>
</tr>
<tr>
<td>5 year olds fully immunised</td>
<td>75%</td>
<td>98.3%</td>
<td>87.5%</td>
<td>75%</td>
<td>100%</td>
<td>94%</td>
<td>92%</td>
</tr>
</tbody>
</table>

Source: Western Vic PHN Population Health Snapshots

### SOCIAL SERVICE SNAPSHOT IN WSM

More than 900 health and well-being services across provided by LGAs, health providers, mental health, medical services and practitioners and communities.

- 6 Health services with 16 campuses
- Wimmera Health Care Group provides more than 80 services.
- 2 Bush nursing services
- 2 Aboriginal Community Controlled Health Organisations.
- 670 Public Housing properties
- 19 Group Disability Homes with 96 residents
- 11 Neighbourhood Houses
- 20 Men’s Sheds

#### Partnerships

- **Wimmera Integrated Family Violence Partnership** (14 agencies)
- **Grampians Indigenous Family Violence Action Group** (15 groups/agencies).
- **Wimmera Child and Family Alliance** (11 agencies/depts)
- **Wimmera Southern Mallee Health Alliance** (4 health services & Wimmera PCP)

#### Other networks

- **Mapping projects underway**
  Family Violence, Family Services, Housing and Homelessness and Issues around departmental boundaries (e.g. Stawell Ararat).

- **Completed mapping projects**
  (Health promotion; Mental Health)

Source: DHHS 2018
AGEING POPULATIONS

Dependent Populations

These are the age groups who are below and above ‘working age’ and a seen as dependant on the working age population.

- **Under 15**
  - **17.0%** WSM
  - **18.2%** Victoria

- **Over 65**
  - **23.5%** WSM
  - **15.6%** Victoria

Source: ABS Census 2011

Service delivery

Issues of relative isolation and population dispersal create service delivery challenges around social welfare, community and health.

Specific challenges presented include:
- working towards better use of existing infrastructure
- coordination of future investment
- provision of a better service experience to service users

Source: Social Services in the Grampians 2030 Project, 2015

SOCIAL WELFARE, COMMUNITY AND HEALTH

Young People’s Wellbeing

- **Proportion of young people who are bullied 2015**
  - Grades 5 – 6: 18.1% WSM, 15.0% Victoria
  - Years 7 – 9: 21.0% WSM, 18.0% Victoria

Source: VCAMS 2017 aggregated LGA Data

- **Substantiated cases of child abuse 2010/2011**
  - Grades 5 – 6: 11.2 per 1,000 WSM, 6.72 per 1,000 Victoria
  - Years 7 – 9: 97.1% WSM, 92.6% Victoria

Source: VCAMS 2017 aggregated LGA Data

- **Immunisation of Children at 6 months 2014/2015**
  - Years 7 – 9: 94.0% WSM, 82.9% Victoria

Source: VCAMS 2017 aggregated LGA

- **Proportion of Children in first year primary school assessed by a school nurse 2015**
  - Grades 5 – 6: 94.0% WSM, 82.9% Victoria

Source: VCAMS 2017 aggregated LGA Data

- **Children in out of home care 2011**
  - Grades 5 – 6: 10.9 per 1,000 WSM, 4.6 per 1,000 Victoria

Source: VCAMS 2017 aggregated LGA Data (excluding West Wimmera)

Family and Domestic Violence

Multi-year data for domestic violence incident rate in key regional locations. WSM populations have higher than average incident rates – this creates service delivery challenges.

FACTORs WHICH IMPACT ON HEALTH (ABS 2016, WESTERN VIC PHN)

<table>
<thead>
<tr>
<th>Factor</th>
<th>Victoria</th>
<th>Western Vic</th>
<th>Hindmarsh</th>
<th>Horsham</th>
<th>Northern Grampians</th>
<th>West Wimmera</th>
<th>Yarriambiack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dwellings with at least one motor vehicle</td>
<td>89%</td>
<td>90%</td>
<td>90%</td>
<td>89.4%</td>
<td>88.1%</td>
<td>92.3%</td>
<td>89.6%</td>
</tr>
<tr>
<td>Dwellings with internet connection</td>
<td>77%</td>
<td>71%</td>
<td>60.7%</td>
<td>68.1%</td>
<td>64.1%</td>
<td>62.8%</td>
<td>61.5%</td>
</tr>
<tr>
<td>Unemployment rate</td>
<td>5.7%</td>
<td>5%</td>
<td>5.6%</td>
<td>6%</td>
<td>4.8%</td>
<td>4%</td>
<td>6.3%</td>
</tr>
<tr>
<td>Dwellings have an income less than $400 per week</td>
<td>12%</td>
<td>14%</td>
<td>18.2%</td>
<td>14.6%</td>
<td>17.4%</td>
<td>18.6%</td>
<td>20.7%</td>
</tr>
</tbody>
</table>

HEALTH RISK FACTORS 18 YEARS AND OVER

- current smokers
- complying with fruit & vegetable consumption guidelines*
- met 1999 National physical activity guidelines for adults
- are overweight 25-29.9 BMI
- are obese 30+ BMI

*Estimates have a relative standard error of between 25 and 50 percent and should be interpreted with caution.

<table>
<thead>
<tr>
<th>Factor</th>
<th>Victoria</th>
<th>Western Vic</th>
<th>Hindmarsh</th>
<th>Horsham</th>
<th>Northern Grampians</th>
<th>West Wimmera</th>
<th>Yarriambiack</th>
</tr>
</thead>
<tbody>
<tr>
<td>current smokers</td>
<td>16%</td>
<td>19%</td>
<td>19.8%</td>
<td>11.1%</td>
<td>14.3%</td>
<td>14.6%</td>
<td>20.9%</td>
</tr>
<tr>
<td>complying with fruit &amp; vegetable consumption guidelines*</td>
<td>9%</td>
<td>8%</td>
<td>8.6%</td>
<td>3.5%</td>
<td>5.8%</td>
<td>9.3%</td>
<td>4.5%</td>
</tr>
<tr>
<td>met 1999 National physical activity guidelines for adults</td>
<td>44%</td>
<td>37%</td>
<td>61.9%</td>
<td>62.8%</td>
<td>57.5%</td>
<td>63.6%</td>
<td>71.3%</td>
</tr>
<tr>
<td>are overweight 25-29.9 BMI</td>
<td>55%</td>
<td>56%</td>
<td>38.5%</td>
<td>30.5%</td>
<td>22.7%</td>
<td>34.1%</td>
<td>36%</td>
</tr>
<tr>
<td>are obese 30+ BMI</td>
<td></td>
<td></td>
<td>22%</td>
<td>21.4%</td>
<td>20.6%</td>
<td>24.3%</td>
<td></td>
</tr>
</tbody>
</table>

* Estimates have a relative standard error of between 25 and 50 percent and should be interpreted with caution.
### MENTAL HEALTH

<table>
<thead>
<tr>
<th></th>
<th>HINDMARSH</th>
<th>HORSHAM</th>
<th>NTH GRAMPS</th>
<th>WEST WIM</th>
<th>YARRI</th>
<th>WEST VIC</th>
<th>VIC</th>
<th>AUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 yr old with high or very high psychological distress per 100 people</td>
<td>12.3</td>
<td>11.5</td>
<td>13.4</td>
<td>12.3</td>
<td>12.3</td>
<td>11.9</td>
<td>11.4</td>
<td>10.8</td>
</tr>
<tr>
<td>% of people with a lifetime prevalence of depression &amp; anxiety</td>
<td>19.5%</td>
<td>19.8%</td>
<td>15.1%</td>
<td>21.9%</td>
<td>26.4%</td>
<td>n</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deaths from suicide &amp; self inflicted injuries per 100,000</td>
<td>--</td>
<td>10.4</td>
<td>14.7%</td>
<td>--</td>
<td>29.1</td>
<td>12.2</td>
<td>9.4</td>
<td>10.8</td>
</tr>
</tbody>
</table>

Source: Western Vic PHN Population Health Snapshots

### CHRONIC DISEASE

<table>
<thead>
<tr>
<th></th>
<th>HINDMARSH</th>
<th>HORSHAM</th>
<th>NTH GRAMPS</th>
<th>WEST WIM</th>
<th>YARRI</th>
<th>WEST VIC</th>
<th>VIC</th>
<th>AUST</th>
</tr>
</thead>
<tbody>
<tr>
<td>% of person 18 yrs &amp; over with Type 2 diabetes</td>
<td>5.7%</td>
<td>3.4%</td>
<td>5.6%</td>
<td>4.6%</td>
<td>5.7%</td>
<td>4.9%</td>
<td>4.6%</td>
<td>4.6%</td>
</tr>
<tr>
<td>% people age standardised with Circulatory system disease</td>
<td>17.1%</td>
<td>17.6%</td>
<td>17.7%</td>
<td>17.1%</td>
<td>17.1%</td>
<td>19.9%</td>
<td>17.4%</td>
<td></td>
</tr>
</tbody>
</table>

Source: Western Vic PHN Population Health Snapshots

### HOSPITALISATIONS

<table>
<thead>
<tr>
<th></th>
<th>Potentially preventable hospitalisations per 1,000 people (age standardised)</th>
<th>Potentially preventable hospitalisations for chronic conditions per 1,000 people (age standardised)</th>
<th>Emergency department presentations per 1,000 people</th>
<th>Hospital separations per 1,000 people</th>
</tr>
</thead>
<tbody>
<tr>
<td>HINDMARSH</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>59</td>
<td>31</td>
<td>226</td>
<td>598</td>
</tr>
<tr>
<td>HORSHAM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>--</td>
<td>506</td>
<td>452</td>
</tr>
<tr>
<td>NORTHERN GRAMPIANS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>24</td>
<td>84</td>
<td>427</td>
</tr>
<tr>
<td>WEST WIMMERA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>45</td>
<td>27</td>
<td>138</td>
<td>393</td>
</tr>
<tr>
<td>YARRIAMI BIACK</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>32</td>
<td>229</td>
<td>460</td>
</tr>
</tbody>
</table>

Source: Western Vic PHN Population Health Snapshots