

**LAUNCESTON**City Deal

Baseline Report – Regional Metrics  
June 2019



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# Introduction

The metrics for northern Tasmania are a commitment of the Launceston City Deal and have been developed to measure economic and education outcomes for the Northern Tasmania region and to monitor the success in implementing the Regional Economic Development Strategy.

The northern Tasmania region includes the local government areas of Break O’Day, Dorset, Flinders, George Town, Launceston, Meander Valley, Northern Midlands and West Tamar.

The metrics were developed in consultation with a working group with members from local councils, Northern Tasmania Development Corporation, Launceston Chamber of Commerce, Regional Development Australia (Tasmania), University of Tasmania and the Department of State Growth. The Tasmanian Treasury and Department of Premier and Cabinet were also consulted in their development.

The metrics are provided in three parts:

* People—selected characteristics of the region’s residents
* Participation—the region’s participation in education and employment
* Productivity—how productive the region is and its contribution to the economy.

This report is a baseline report and represents the state of the region in 2016 prior to the signing of the Launceston City Deal on 20 April 2017.

## Data sources

Data has been sourced based on the Australian Bureau of Statistics SA4 Launceston and North East Tasmania which corresponds with the Northern Tasmania region.

The source of data for each metric has been referenced in addition to the potential limitations of each data set.

Data has been accessed from a variety of sources including the Australian Bureau of Statistics, Government data sets and regional economic models. The data provided is the best available at the time of compiling the metrics however due to the methodology used to derive the metrics, particularly those that require regional data to be modelled, such as Gross Regional Product, have recognised limitations and their accuracy cannot be relied upon.

The metrics relating to innovation are incomplete at this time. The Commonwealth government is leading a review of innovation metrics through the Innovation Metrics Review Taskforce. A final report on the review, including a framework for the measurement of innovation in Australia is expected in 2019. This report will be updated once this review is complete.

The majority of metrics provide a 2006, 2011 and 2016 dataset corresponding to census years to give the most reliable data available. Not all data sets have consistent timeframes or collection dates due to the availability of the data.

## Future updates

Updated metrics will be provided at five and ten year intervals after the signing of the Launceston City Deal to measure the outcomes of implementation noting that the reliance on Census data may delay the availability of some data sets.

# 

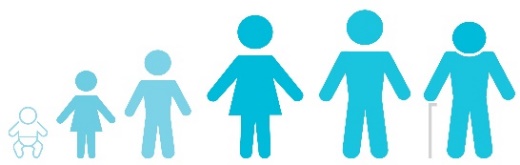
# People

## Population

The total population of the region based on place of usual residence.

### Population and percentage change for Northern Tasmania and Tasmania 2006, 2011 and 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **2006 Census** | | **2011 Census** | | **2016 Census** | |
| **Northern Tasmania** | **Tasmania** | **Northern Tasmania** | **Tasmania** | **Northern Tasmania** | **Tasmania** |
| Population total | 133 930 | 476 481 | 137 556 | 495 351 | 140 484 | 509 965 |
| Percentage change (%) since previous census year |  |  | 2.71% | 3.96% | 2.13% | 2.95% |

Source – Australian Bureau of Statistics 2016 Census of Population and Housing, Launceston and North East (602) and Tasmania (6) Time Series Profile, Catalogue Number 2003.0, T03 Age by Sex, Count of Persons

## Age profile

The age profile of the region is based on place of usual residence. Understanding the age profile of the region helps to predict service demand such as health and education and also to understand the working age population.

The percentage of people aged 15 to 64 years, generally considered the working aged population, decreased from 64% in 2011 to 62% in 2016. The population aged 65 and over increased in the same period from 17% to 20%.

### Age Profile of Northern Tasmania 2006, 2011 and 2016

| **Age (years):** | **2006 Census** | | | **2011 Census** | | | **2016 Census** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Males** | **Females** | **Persons** | **Males** | **Females** | **Persons** | **Males** | **Females** | **Persons** |
| 0-4 years | 4 029 | 3 926 | **7 955** | 4 385 | 4 113 | **8 492** | 3 954 | 3 718 | **7 679** |
| 5-9 years | 4 590 | 4 370 | **8 959** | 4 167 | 4 130 | **8 295** | 4 405 | 4 157 | **8 560** |
| 10-14 years | 5 103 | 4 770 | **9 877** | 4 665 | 4 440 | **9 102** | 4 115 | 4 110 | **8 223** |
| 15-19 years | 4 711 | 4 440 | **9 149** | 4 939 | 4 601 | **9 538** | 4 563 | 4 235 | **8 806** |
| 20-24 years | 4 048 | 4 052 | **8 096** | 4 068 | 3 994 | **8 057** | 4 512 | 4 144 | **8 661** |
| 25-29 years | 3 371 | 3 580 | **6 954** | 3 590 | 3 867 | **7 452** | 3 660 | 3 769 | **7 427** |
| 30-34 years | 3 817 | 4 166 | **7 978** | 3 450 | 3 783 | **7 240** | 3 656 | 3 950 | **7 605** |
| 35-39 years | 4 394 | 4 736 | **9 130** | 3 946 | 4 439 | **8 387** | 3 541 | 3 870 | **7 415** |
| 40-44 years | 4 656 | 4 903 | **9 554** | 4 500 | 4 894 | **9 399** | 3 998 | 4 479 | **8 474** |
| 45-49 years | 4 919 | 5 156 | **10 075** | 4 753 | 4 925 | **9 677** | 4 604 | 4 932 | **9 535** |
| 50-54 years | 4 638 | 4 715 | **9 352** | 4 883 | 5 155 | **10 035** | 4 767 | 5 032 | **9 799** |
| 55-59 years | 4 623 | 4 569 | **9 191** | 4 683 | 4 813 | **9 498** | 4 980 | 5 313 | **10 292** |
| 60-64 years | 3 647 | 3 717 | **7 360** | 4 632 | 4 622 | **9 256** | 4 761 | 4 995 | **9 751** |
| 65-69 years | 2 905 | 3 024 | **5 932** | 3 604 | 3 687 | **7 286** | 4 654 | 4 731 | **9 388** |
| 70-74 years | 2 285 | 2 458 | **4 741** | 2 678 | 2 861 | **5 534** | 3 508 | 3 638 | **7 147** |
| 75-79 years | 1 854 | 2 248 | **4 104** | 1 925 | 2 217 | **4 144** | 2 337 | 2 650 | **4 986** |
| 80-84 years | 1 210 | 1 855 | **3 069** | 1 396 | 1 830 | **3 223** | 1 516 | 1 850 | **3 364** |
| 85 years and over | 773 | 1 678 | **2 454** | 1 025 | 1 935 | **2 953** | 1 230 | 2 141 | **3 369** |
| Total | 65 567 | 68 364 | **133 930** | 67 270 | 70 291 | **137 556** | 68 765 | 71 716 | **140 484** |

Source – Australian Bureau of Statistics 2016 Census of Population and Housing, Launceston and North East (602) Time Series Profile, Catalogue Number 2003.0, T03 Age by Sex, Count of Persons

### Age Profile of Tasmania 2006, 2011 and 2016

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age (years):** | **2006 Census** | | | **2011 Census** | | | **2016 Census** | | |
| **Males** | **Females** | **Persons** | **Males** | **Females** | **Persons** | **Males** | **Females** | **Persons** |
| 0-4 years | 14 803 | 13 860 | **28 662** | 16 016 | 15 164 | **31 184** | 14 544 | 13 929 | **28 469** |
| 5-9 years | 16 240 | 15 377 | **31 620** | 15 546 | 14 685 | **30 231** | 16 188 | 15 324 | **31 514** |
| 10-14 years | 17 363 | 16 378 | **33 743** | 16 569 | 15 890 | **32 454** | 15 495 | 14 729 | **30 219** |
| 15-19 years | 16 859 | 15 962 | **32 821** | 16 840 | 15 844 | **32 687** | 15 960 | 15 118 | **31 078** |
| 20-24 years | 14 489 | 14 457 | **28 945** | 14 922 | 14 650 | **29 578** | 15 289 | 14 574 | **29 865** |
| 25-29 years | 12 256 | 13 004 | **25 255** | 13 692 | 14 384 | **28 073** | 14 095 | 14 611 | **28 703** |
| 30-34 years | 13 803 | 14 982 | **28 783** | 13 054 | 14 152 | **27 210** | 14 245 | 15 083 | **29 328** |
| 35-39 years | 15 698 | 16 942 | **32 641** | 14 790 | 16 116 | **30 908** | 13 522 | 14 811 | **28 333** |
| 40-44 years | 16 667 | 17 586 | **34 255** | 16 327 | 17 616 | **33 943** | 15 077 | 16 419 | **31 495** |
| 45-49 years | 17 653 | 18 545 | **36 199** | 17 084 | 17 944 | **35 030** | 16 644 | 17 863 | **34 512** |
| 50-54 years | 16 642 | 17 192 | **33 832** | 17 746 | 18 782 | **36 528** | 17 250 | 18 291 | **35 538** |
| 55-59 years | 16 208 | 16 467 | **32 677** | 16 702 | 17 385 | **34 089** | 18 075 | 19 309 | **37 378** |
| 60-64 years | 12 941 | 12 963 | **25 909** | 16 237 | 16 493 | **32 732** | 16 993 | 17 781 | **34 778** |
| 65-69 years | 10 238 | 10 568 | **20 805** | 12 598 | 12 713 | **25 312** | 16 175 | 16 768 | **32 945** |
| 70-74 years | 7 985 | 8 659 | **16 645** | 9 483 | 9 961 | **19 448** | 11 894 | 12 539 | **24 434** |
| 75-79 years | 6 496 | 7 805 | **14 298** | 6 685 | 7 837 | **14 523** | 8 332 | 9 279 | **17 613** |
| 80-84 years | 4 358 | 6 498 | **10 854** | 4 853 | 6 320 | **11 174** | 5 347 | 6 648 | **11 994** |
| 85 years and over | 2 688 | 5 848 | **8 539** | 3 513 | 6 736 | **10 247** | 4 347 | 7 413 | **11 767** |
| **Total** | **233 383** | **243 100** | **476 481** | **242 675** | **252 677** | **495 351** | **249 478** | **260 482** | **509 965** |

*Source – Australian Bureau of Statistics 2016 Census of Population and Housing, Tasmania (6) Time Series Profile, Catalogue Number 2003.0, T03 Age by Sex, Count of Persons*

## Domestic and International Migration

This metric indicates a person's place of usual residence five years before the 2006, 2011 and 2016 Census.

This data provides an indication of the stability of the population and the amount of domestic and international migration. For example almost 83% of residents in the region in 2016 either didn’t move, moved locally or were living in Tasmania in 2011.

The data only counts people aged 5 years and over which is why the total count doesn’t match the population count for the same year.

### Place of usual residence five years before 2006, 2011 and 2016 for Northern Tasmania

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ***2006 Census*** | | ***2011 Census*** | | ***2016 Census*** | |
|  | **People** | ***% of population*** | **Persons** | ***% of population*** | ***Persons*** | **% of population** |
| Same usual address 5 years ago | 70 177 | 55.7 | 76 312 | 59.1 | 76 146 | 57.3 |
| Different usual address 5 years ago: |  |  |  |  |  |  |
| Same Statistical Area Level 2 (SA2) | 18 621 | 14.8 | 9 558 | 7.4 | 8 938 | 6.7 |
| Different SA2 in: |  |  |  |  |  |  |
| New South Wales | 2 616 | 2.1 | 1 820 | 1.4 | 1 815 | 1.4 |
| Victoria | 2 463 | 2.0 | 2 022 | 1.6 | 1 867 | 1.4 |
| Queensland | 2 352 | 1.9 | 2 590 | 2.0 | 2 222 | 1.7 |
| South Australia | 747 | 0.6 | 638 | 0.5 | 529 | 0.4 |
| Western Australia | 997 | 0.8 | 1 269 | 1.0 | 1 255 | 0.9 |
| Tasmania | 17 743 | 14.1 | 25 023 | 19.4 | 25 039 | 18.9 |
| Northern Territory | 248 | 0.2 | 227 | 0.2 | 247 | 0.2 |
| Australian Capital Territory | 172 | 0.1 | 129 | 0.1 | 115 | 0.1 |
| Other Territories | 3 | 0.0 | 0 | 0.0 | 3 | 0.0 |
| *Total* | *27 341* | 21.7 | *33 718* | 26.1 | *33 090* | 24.9 |
| Overseas | 2 254 | 1.8 | 3 118 | 2.4 | 3 229 | 2.4 |
| Not stated(a) | 488 | 0.4 | 548 | 0.4 | 607 | 0.5 |
| Total | *48 704* | 38.6 | *46 942* | 36.4 | *45 861* | 34.5 |
| Not stated(b) | 7 184 | 5.7 | 5 811 | 4.5 | 10 797 | 8.1 |
| **Total** | **126 065** |  | **129 065** |  | **132 809** |  |

*2006 Source - Australian Bureau of Statistics 2006 Census of Population and Housing, Northern (SRS 61042), General Community Profile, Catalogue 2001.0, B38 Place of Usual Residence 5 Years Ago by Sex, Count of persons aged 5 years and over*

*2011 Source - Australian Bureau of Statistics 2011 Census of Population and Housing, Launceston and North East (602), General Community Profile, Catalogue 2001.0, B39 Place of Usual Residence 5 Years Ago by Sex, Count of persons aged 5 years and over*

*2016 Source—Australian Bureau of Statistics 2016 Census of Population and Housing, Launceston and North East (602), General Community Profile, Catalogue 2001.0, G42 Place of Usual Residence 5 Years Ago by Sex, Count of persons aged 5 years and over*

*Notes: This table is based on place of usual residence.*

*(a) Includes persons who stated that they lived at a different address 5 years ago but did not state that address.*

*(b) Includes persons who did not state whether they were usually resident at a different address 5 years ago.*

*Please note that there are small random adjustments made to all cell values to protect the confidentiality of data. These adjustments may cause the sum of rows or columns to differ by small amounts from table totals.*

### Place of usual residence five years before 2006, 2011 and 2016 for Tasmania

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ***2006 Census*** | | ***2011 Census*** | | ***2016 Census*** | |
|  | **People** | ***% of population*** | **Persons** | ***% of population*** | ***Persons*** | **% of population** |
| Same usual address 5 years ago | 250,258 | 55.9 | 272,436 | 58.7 | 276,867 | 57.5 |
| Different usual address 5 years ago: |  |  |  |  |  |  |
| Same Statistical Area Level 2 (SA2) | 66,717 | 14.9 | 34,011 | 7.3 | 33,531 | 7.0 |
| Different SA2 in: |  |  |  |  |  |  |
| New South Wales | 9,467 | 2.1 | 6,715 | 1.4 | 6,583 | 1.4 |
| Victoria | 8,192 | 1.8 | 6,956 | 1.5 | 6,931 | 1.4 |
| Queensland | 7,831 | 1.7 | 8,703 | 1.9 | 7,915 | 1.6 |
| South Australia | 2,331 | 0.5 | 2,115 | 0.5 | 1,819 | 0.4 |
| Western Australia | 3,175 | 0.7 | 4,418 | 1.0 | 4,228 | 0.9 |
| Tasmania | 61,838 | 13.8 | 90,725 | 19.5 | 90,959 | 18.9 |
| Northern Territory | 845 | 0.2 | 945 | 0.2 | 951 | 0.2 |
| Australian Capital Territory | 897 | 0.2 | 644 | 0.1 | 617 | 0.1 |
| Other Territories | 13 | 0.0 | 0 | 0.0 | 32 | 0.0 |
| *Total* | *94,589* | 21.1 | *121,221* | 26.1 | *120,021* | 24.9 |
| Overseas | 8,370 | 1.9 | 11,655 | 0.4 | 12,229 | 2.5 |
| Not stated(a) | 1,847 | 0.4 | 1,680 | 36.3 | 2,505 | 0.5 |
| Total | *171,523* | 38.3 | *168,567* | 36.3 | *168,282* | 35.0 |
| Not stated(b) | 26,039 | 5.8 | 23,167 | 5.0 | 36,341 | 7.5 |
| **Total** | **447,820** |  | **464,170** |  | **481,489** |  |

*2006 Source - Australian Bureau of Statistics 2006 Census of Population and Housing, Tasmania (STE 6), General Community Profile, Catalogue 2001.0, B38 Place of Usual Residence 5 Years Ago by Sex, Count of persons aged 5 years and over*

*2011 Source - Australian Bureau of Statistics 2011 Census of Population and Housing, Tasmania (6), General Community Profile, Catalogue 2001.0, B39 Place of Usual Residence 5 Years Ago by Sex, Count of persons aged 5 years and over*

*2016 - Source—Australian Bureau of Statistics 2016 Census of Population and Housing, Tasmania (6), General Community Profile, Catalogue 2001.0, G42 Place of Usual Residence 5 Years Ago by Sex, Count of persons aged 5 years and over*

*Notes: This table is based on place of usual residence.*

*(a) Includes persons who stated that they lived at a different address 5 years ago but did not state that address.*

*(b) Includes persons who did not state whether they were usually resident at a different address 5 years ago.*

*Please note that there are small random adjustments made to all cell values to protect the confidentiality of data. These adjustments may cause the sum of rows or columns to differ by small amounts from table totals.*

# Participation

## Education

### Year 12 completion rates

This metric measures the:

* Number of Year 12 students in Northern Tasmania from 2012 to 2016;
* The proportion of students who achieved a Tasmanian Certificate of Education (TCE); and
* The proportion of students who achieved an Australian Tertiary Admission Rank (ATAR).

The proportion of Year 12 students who achieved a TCE indicates student intent to progress to tertiary education. To gain a TCE, a student must:

* Complete an equivalent of a two-year program of post year 10 education and/ or training, achieving 120 credit points;
* Achieve everyday adult reading and writing standard;
* Achieve adult mathematics standard;
* Everyday adult use of computers and the internet standard, and;
* Develop and review future career and education plans (also known as a pathway plan).

ATAR is a student’s rank among all Year 12 students in Tasmania in a given year. It is the primary criterion for entry into most Australian undergraduate university courses. ATAR typically indicates student intent to progress to tertiary education. To receive an ATAR, a student must:

* Meet the standards of the TCE;
* Achieve at least a Satisfactory Achievement award or equivalent in at least three Level 3 or Level 4 TASC accredited senior secondary courses with external assessment;
* Have at least four scaled scores in different courses with a total size value of at least 60 and;
* Have at least three scaled scores in different courses studied in the final year of study.

An ATAR is one of several TCE study pathways to tertiary education. Alternative pathways include TCE studies that do not award an ATAR, Vocational Education and Training (VET) study, senior schooling at home, or attending a school that follows a non-standard curriculum. These pathways use an alternative assessment process known as an Assessed Entry Score (AES).

The total number of Northern Tasmania Year 12 students has stayed relatively static from 2012 to 2016. The number of students is expected to increase from 2016 onwards with the Tasmanian Government’s extension of high schools to offer Year 11 and 12.

There has been an increase in the proportion of Northern Tasmanian Year 12 students who achieved a TCE, from 72% in 2012 to 79% in 2016. There has been a decrease in the proportion of Northern Tasmanian Year 12 students who achieved an ATAR, from 49% in 2012 to 45% in 2016.

### Year 12, Tasmanian Certificate of Education and Australian Tertiary Admission Rank Northern Tasmania and Tasmania 2012 to 2016

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2012** | | **2013** | | **2014** | | **2015** | | **2016** | |
| **No** | **%** | **No** | **%** | **No** | **%** | **No** | **%** | **No** | **%** |
| **Northern Tasmania** | | | | | | | | | | |
| Total Year 12 students aged 15-19 | 1261 |  | 1272 |  | 1364 |  | 1278 |  | 1272 |  |
| Achieved TCE | 906 | 72 | 901 | 71 | 1002 | 73 | 971 | 76 | 999 | 79 |
| Achieved ATAR | 623 | 49 | 634 | 50 | 613 | 45 | 582 | 46 | 570 | 45 |
| **Tasmania** | | | | | | | | | | |
| Total Year 12 students aged 15-19 | 4582 |  | 4673 |  | 4858 |  | 4577 |  | 4949 |  |
| Achieved TCE | 3179 | 69 | 3268 | 70 | 3319 | 68 | 3385 | 74 | 3767 | 76 |
| Achieved ATAR | 2237 | 49 | 2246 | 48 | 2306 | 47 | 2202 | 48 | 2239 | 45 |

Source— Office of Tasmanian Assessment, Standards and Certification (TASC), Attainment Profile for schools in Northern Tasmania Region, provided 30 October 2017; State Level Direct Continuation Data 2012-2016; Tasmanian Certificate of Education (TCE) Rates of Attainment 2012-2016.

Northern Tasmania Schools: Campbell Town District High School, Cressy District High School, Launceston Big Picture School, Launceston Christian School, Launceston Church Grammar School, Launceston College, Lilydale District High School, Newstead College, Port Dalrymple School, Scotch Oakburn College, Scottsdale High School, St Helens District High School, St Marys District School and St Patricks College.

### Vocational Education and Training (VET) enrolments and completions

This metric measures the number of Northern Tasmanians who studied and completed Vocational Education and Training (VET) from 2011 to 2016.

Data is only available for the number of full VET degrees completed only. Data does not account for the completion of a singular unit (such as firearms license or first aid), or a singular ‘skillset’ (such as infection control for nurses).

The number of VET enrolments in Northern Tasmania has decreased by 19% from 11,062 in 2011 to 8,907 in 2016.

The number of VET full degree completions in Northern Tasmania has decreased by 23% from 2,748 in 2011 to 2,113 in 2016.

### Vocational Education and Training enrolments and completions 2011 to 2016 for Northern Tasmania and Tasmania

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2011** | **2012** | | **2013** | | **2014** | | **2015** | | **2016** | |
| **No** | **No** | **% change** | **No** | **% change** | **No** | **% change** | **No** | **% change** | **No** | **% change** |
| **Northern Tasmania** | | | | | | | | | | | |
| **VET enrolments** | 10902 | 10359 | -4.98% | 9396 | -9.3% | 10112 | 7.62% | 9092 | -10.09% | 8729 | -3.99% |
| **VET completions\*** | 2675 | 2629 | -1.72% | 2456 | -6.58% | 2676 | 8.96% | 2413 | -9.83% | 2123 | -12.02% |
| **Tasmania** | | | | | | | | | | | |
| **VET enrolments** | 38886 | 38917 | 0.08% | 33769 | -13.23% | 35724 | 5.79% | 31740 | -11.15% | 31135 | -1.91% |
| **VET completions\*** | 9382 | 10216 | 8.89% | 9240 | -9.55% | 10147 | 9.82% | 9120 | -10.12% | 8623 | -5.45% |

*Source— National Centre for Vocational Education Research [https://www.ncver.edu.au/] as compiled by Skills Tasmania*

*Notes:*\*Completion of full degrees only. I.e. Does not capture completion of 1 unit (e.g. firearms license or first aid cert) or 1 'skillset' (e.g. infection control for nurses).

### UTAS enrolments and completions

This metric measures the number of students who were enrolled in tertiary education (undergraduate and postgraduate) through the University of Tasmania’s (UTAS) Northern Tasmanian campuses from 2011 to 2016.

The number of enrolments increased by 72% from 4,937 in 2012 to 8,508 in 2016. The majority of this growth is attributable to increase in undergraduate enrolments.

The number of completions increased by 5% from 963 in 2011 to 1,011 in 2016. The majority of this growth has stemmed from to international undergraduate students studying by distance, with incremental growth in undergraduate domestic and international students studying face-to-face.

The number of enrolments appear higher than completions because one student can be enrolled in multiple courses concurrently.

### Student enrolments and completions at the University of Tasmania for Northern Tasmania and Tasmania 2011 to 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** |
| **Northern Tasmania** | | | | | | |
| **Enrolments\*** | Not Available | 4937 | 5489 | 6424 | 8615 | 8508 |
| **Completions** | 963 | 999 | 877 | 877 | 993 | 1011 |
| **Tasmania** | | | | | | |
| **Enrolments\*** | Not Available | 18152 | 21530 | 25387 | 27444 | 27015 |

*Source— University of Tasmania as compiled by the Business Intelligence and Institutional Performance Division [bi.info@utas.edu.au]*

\* Enrolments relate to students enrolled at the Launceston campuses (Inveresk, Newnham and Beauty Point) including in person and distance students

### International student enrolments (High school and University)

This metric measures the number of international students studying in Northern Tasmania from 2011 to 2016. A commitment of the Launceston City Deal is relocating and redeveloping the University of Tasmania’s main Launceston campus, to provide the capacity to grow student participation by 10,000 students to 2030, including over 1,500 international students.

Data is provided for secondary school, college and university international enrolments only. Data for international students enrolled in Vocational Education and Training (VET) is not available.

Monitoring this change over time will provide an indication of whether the strategies to increase international student numbers are working.

### International student enrolments for Northern Tasmania 2011 and 2016

|  |  |  |
| --- | --- | --- |
| **Sector** | **2011** | **2016** |
| High schools\* | 47 | 100 |
| University of Tasmania\*\* | 162 | 417 |
| **Total** | **209** | **517** |

*Source— Registrar and Admissions Officer, Launceston Church Grammar School, Scotch Oakburn College, Government Education and Training International, Tasmanian Government Department of Education Policy, Strategy and Performance Unit, Skills Tasmania, Business Intelligence and Institutional Performance Division, University of Tasmania.*

\*Includes Scotch Oakburn, Newstead College, Launceston College, Queechy High School, Prospect High School, and Launceston Church Grammar.

\*\*Undergraduate and Research Higher Degree

### Highest qualification

This metric provides information about the highest qualifications of persons over 15 years of age in the region. It gives us an overview of how the educational attainment of the region changes over time.

### Highest qualification level in 2006, 2011 and 2016 for Northern Tasmania and Tasmania

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Non School qualification level** | **2006 Census** | | | **2011 Census** | | | **2016 Census** | | |
| **Northern Tasmania** | | **Tasmania** | **Northern Tasmania** | | **Tasmania** | **Northern Tasmania** | | **Tasmania** |
| **Persons** | **Percent** | **Percent** | **Persons** | **Percent** | **Percent** | **Persons** | **Percent** | **Percent** |
| Postgraduate Degree Level | 1,374 | 2.75% | 3.46% | 2,036 | 3.70% | 4.64% | 2,760 | 4.40% | 5.73% |
| Graduate Diploma and Graduate Certificate Level | 939 | 1.88% | 2.35% | 1,328 | 2.42% | 2.90% | 1,638 | 2.61% | 3.22% |
| Bachelor Degree Level | 8,930 | 17.87% | 19.03% | 10,514 | 19.13% | 20.18% | 11,841 | 18.86% | 20.06% |
| Advanced Diploma and Diploma Level | 6,024 | 12.06% | 12.36% | 7,139 | 12.99% | 12.93% | 8,346 | 13.30% | 13.46% |
| Certificate Level: |  |  |  |  |  |  |  |  |  |
| Certificate III & IV Level(b) | 16,507 | 33.04% | 31.20% | 19,675 | 35.79% | 33.71% | 20,703 | 32.98% | 31.75% |
| Certificate I & II Level(c) | 1,473 | 2.95% | 2.73% | 1,724 | 3.14% | 3.09% | 1,905 | 3.03% | 2.85% |
| Certificate Level, not further defined (nfd) | 1,570 | 3.14% | 3.12% | 1,465 | 2.67% | 2.56% | 2,471 | 3.94% | 3.69% |
| *Total* | *19,547* | 39.12% | 37.05% | *22,857* | 41.58% | 39.35% | *25,077* | 39.95% | 38.28% |
| Level of education inadequately described | 1,463 | 2.93% | 2.81% | 1,166 | 2.12% | 2.02% | 717 | 1.14% | 1.22% |
| Level of education not stated | 11,687 | 23.39% | 22.94% | 9,926 | 18.06% | 17.98% | 12,394 | 19.75% | 18.03% |
| **Total** | **49,968** |  |  | **54,968** |  |  | **62,770** |  |  |

*Source—Australian Bureau of Statistics 2016 Census of Population and Housing, Launceston and North East (602) and Tasmania (6), Catalogue 2003.0, T31 Non-School Qualification: Level of Education by Age by Sex, Count of persons aged 15 years and over with a qualification(a)*

*Notes:*

*This table is based on place of usual residence.*

*(a) Excludes persons with a qualification out of the scope of the Australian Standard Classification of Education (ASCED).*

*(b) Includes 'Certificate III & IV Level, nfd'.*

*(c) Includes 'Certificate I & II Level, nfd'.*

## Employment

### Labour Force Status

Labour force status for the Northern Tasmania region and Tasmania is provided as an average of the year to 30 June for 2006, 2011, 2016 and 2018 giving an indication of the employment profile.

### Labour force status for Northern Tasmania and Tasmania in 2006, 2011, 2016 and 2018

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Labour force status** | **2006** | | **2011** | | **2016** | | **2018** | |
| **Northern Tasmania** | **Tasmania** | **Northern Tasmania** | **Tasmania** | **Northern Tasmania** | **Tasmania** | **Northern Tasmania** | **Tasmania** |
| **Employed persons** | 64 086 | 223 232 | 68 718 | 239 144 | 65 079 | 239 000 | 68 195 | 248 289 |
| **Unemployed persons** | 3 554 | 15 554 | 4 187 | 14 215 | 5 261 | 16 505 | 4 074 | 15 715 |
| **Unemployment rate** | 5.3% | 6.5% | 5.7% | 5.6% | 7.5% | 6.5% | 5.6% | 6.0% |
| **Labour force (persons)** | 67 640 | 238 786 | 72 905 | 253 359 | 70 340 | 255 505 | 72 270 | 264 004 |
| **Participation rate (persons)** | 60.9% | 61.0% | 62.6% | 61.2% | 59.9% | 60.4% | 60.6% | 61.1% |

*Source – Australian Bureau of Statistics 6291.0.55.001 Labour Force, Australia, Detailed - Electronic Delivery, Table 16. Labour force status by Labour market region (ASGS) and Sex*

### Unemployment rate

The unemployment rate is the number of unemployed persons expressed as a percentage of the labour force being employed and unemployed persons who are actively looking for work as an average of the year to 30 June for 2006, 2011, 2016 and 2018.

### Unemployment rate in Northern Tasmania and Tasmania 2006, 2011, 2016 and 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Unemployment Rate** | | | |
| **2006** | **2011** | **2016** | **2018** |
| **Northern Tasmania** | 5.3% | 5.7% | 7.5% | 5.6% |
| **Tasmania** | 6.5% | 5.6% | 6.5% | 6.0% |

*Source – Australian Bureau of Statistics 6291.0.55.001 Labour Force, Australia, Detailed - Electronic Delivery, Table 16. Labour force status by Labour market region (ASGS) and Sex*

### Youth unemployment rate

The youth unemployment rate is the number of unemployed persons expressed as a percentage of the labour force being employed and unemployed persons who are actively looking for work and aged between 15 and 24 years as an average of the year to 30 June for 2006, 2011, 2016 and 2018.

### Youth unemployment rate in Northern Tasmania and Tasmania 2006, 2011, 2016 and 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Youth Unemployment Rate** | | | |
| **2006** | **2011** | **2016** | **2018** |
| **Northern Tasmania** | 10.7% | 10.3% | 19.0% | 13.7% |
| **Tasmania** | 13.1% | 11.3% | 15.2% | 14.5% |

*Source –6291.0.55.001 - RM1 - Labour force status by Age, Labour market region (ASGS) and Sex, October 1998 onwards; Table 1 : RM1 - Labour force status by Age, Labour market region (ASGS) and Sex, October 1998 onwards*

### Participation rate

The participation rate for the region is the number of labour force, being employed and unemployed persons who are actively looking for work, expressed as a percentage of the total working age population being those persons aged between 15 and 64 years as an average of the year to 30 June for 2006, 2011, 2016 and 2018.

### Participation rate in Northern Tasmania and Tasmania 2006, 2011, 2016 and 2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Participation Rate** | | | |
| **2006** | **2011** | **2016** | **2018** |
| **Northern Tasmania** | 60.9% | 62.6% | 59.9% | 60.6% |
| **Tasmania** | 61.0% | 61.2% | 60.4% | 61.1% |

*Source – Australian Bureau of Statistics 6291.0.55.001 Labour Force, Australia, Detailed - Electronic Delivery, Table 16. Labour force status by Labour market region (ASGS) and Sex*

### Employment by industry

This metric provides information about employment within different industries and change overtime. It will provide an indication of whether interventions included in the City Deal have influenced a change in the regions industries.

### Industry of employment rate in Northern Tasmania 2006, 2011 and 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Industry of Employment** | **2006 Census** | | **2011 Census** | | **2016 Census** | |
| **Persons** | **Percent** | **Persons** | **Percent** | **Persons** | **Percent** |
| Agriculture, Forestry and Fishing | 3,820 | 6.70 | 3,338 | 5.59 | 3,664 | 6.27 |
| Mining | 329 | 0.58 | 562 | 0.94 | 476 | 0.81 |
| Manufacturing | 6,386 | 11.21 | 6,053 | 10.13 | 4,484 | 7.67 |
| Electricity, Gas, Water and Waste Services | 602 | 1.06 | 849 | 1.42 | 827 | 1.41 |
| Construction | 3,791 | 6.65 | 4,482 | 7.50 | 4,469 | 7.64 |
| Wholesale Trade | 2,612 | 4.58 | 2,276 | 3.81 | 1,680 | 2.87 |
| Retail Trade | 6,922 | 12.15 | 6,926 | 11.59 | 6,727 | 11.51 |
| Accommodation and Food Services | 3,916 | 6.87 | 4,505 | 7.54 | 4,433 | 7.58 |
| Transport, Postal and Warehousing | 2,698 | 4.73 | 2,780 | 4.65 | 2,606 | 4.46 |
| Information Media and Telecommunications | 892 | 1.57 | 727 | 1.22 | 645 | 1.10 |
| Financial and Insurance Services | 1,844 | 3.24 | 1,688 | 2.82 | 1,346 | 2.30 |
| Rental, Hiring and Real Estate Services | 823 | 1.44 | 771 | 1.29 | 756 | 1.29 |
| Professional, Scientific and Technical Services | 2,103 | 3.69 | 2,255 | 3.77 | 2,380 | 4.07 |
| Administrative and Support Services | 1,464 | 2.57 | 1,592 | 2.66 | 1,621 | 2.77 |
| Public Administration and Safety | 3,222 | 5.65 | 3,876 | 6.49 | 3,132 | 5.36 |
| Education and Training | 4,846 | 8.50 | 5,445 | 9.11 | 5,399 | 9.24 |
| Health Care and Social Assistance | 6,538 | 11.47 | 7,127 | 11.93 | 8,577 | 14.67 |
| Arts and Recreation Services | 792 | 1.39 | 881 | 1.47 | 978 | 1.67 |
| Other Services | 1,931 | 3.39 | 2,236 | 3.74 | 2,145 | 3.67 |
| Inadequately described/Not stated | 1,464 | 2.57 | 1,396 | 2.34 | 2,108 | 3.61 |
| **Total** | **56,992** |  | **59,761** |  | **58,458** |  |

*Source—Australian Bureau of Statistics 2016 Census of Population and Housing, Launceston and North East (602), Catalogue 2003.0, T34 Industry of Employment(A) by Sex, Count of persons aged 15 years and over*

Notes:

This table is based on place of usual residence.

(a) 'Industry of Employment' was coded to the Australian and New Zealand Standard Industrial Classification (ANZSIC) 2006, Revision 2 published in 2013. Data for 2006 and 2011 have been concorded.

Please note that there are small random adjustments made to all cell values to protect the confidentiality of data. These adjustments may cause the sum of rows or columns to differ by small amounts from table totals.

### Industry of employment rate in Tasmania 2006, 2011 and 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Industry of Employment** | **2006 Census** | | **2011 Census** | | **2016 Census** | |
| **Persons** | **%** | **Persons** | **%** | **Persons** | **%** |
| Agriculture, Forestry and Fishing | 11 407 | 5.57 | 10 353 | 4.76 | 11 383 | 5.26 |
| Mining | 1 633 | 0.80 | 2 790 | 1.28 | 2 217 | 1.02 |
| Manufacturing | 21 175 | 10.34 | 18 968 | 8.73 | 14 856 | 6.86 |
| Electricity, Gas, Water and Waste Services | 2 895 | 1.41 | 3 605 | 1.66 | 3 509 | 1.62 |
| Construction | 13 677 | 6.68 | 16 539 | 7.61 | 16 444 | 7.59 |
| Wholesale Trade | 7 333 | 3.58 | 7 103 | 3.27 | 4 840 | 2.23 |
| Retail Trade | 24 436 | 11.94 | 24 544 | 11.30 | 23 595 | 10.89 |
| Accommodation and Food Services | 14 214 | 6.94 | 15 761 | 7.25 | 16 543 | 7.64 |
| Transport, Postal and Warehousing | 9 378 | 4.58 | 9 288 | 4.27 | 9 160 | 4.23 |
| Information Media and Telecommunications | 3 323 | 1.62 | 3 245 | 1.49 | 2 925 | 1.35 |
| Financial and Insurance Services | 5 332 | 2.60 | 5 243 | 2.41 | 4 540 | 2.10 |
| Rental, Hiring and Real Estate Services | 2 877 | 1.41 | 2 808 | 1.29 | 2 676 | 1.24 |
| Professional, Scientific and Technical Services | 8 912 | 4.35 | 10 254 | 4.72 | 10 214 | 4.72 |
| Administrative and Support Services | 5 470 | 2.67 | 5 775 | 2.66 | 6 405 | 2.96 |
| Public Administration and Safety | 17 233 | 8.42 | 19 594 | 9.02 | 16 958 | 7.83 |
| Education and Training | 16 929 | 8.27 | 19 459 | 8.96 | 20 105 | 9.28 |
| Health Care and Social Assistance | 23 364 | 11.41 | 26 032 | 11.98 | 30 683 | 14.17 |
| Arts and Recreation Services | 2 912 | 1.42 | 3 563 | 1.64 | 4 017 | 1.85 |
| Other Services | 7 042 | 3.44 | 8 091 | 3.72 | 8 120 | 3.75 |
| Inadequately described/Not stated | 5 195 | 2.54 | 4 272 | 1.97 | 7 381 | 3.41 |
| **Total** | **204 739** |  | **217 295** |  | **216 583** |  |

Source—Australian Bureau of Statistics 2016 Census of Population and Housing, Tasmania (6), Catalogue 2003.0, T34 Industry of Employment(A) by Sex, Count of persons aged 15 years and over

Notes:

This table is based on place of usual residence.

(a) 'Industry of Employment' was coded to the Australian and New Zealand Standard Industrial Classification (ANZSIC) 2006, Revision 2 published in 2013. Data for 2006 and 2011 have been concorded.

Please note that there are small random adjustments made to all cell values to protect the confidentiality of data. These adjustments may cause the sum of rows or columns to differ by small amounts from table totals.

# Productivity

## Gross Regional Product

The estimated Gross Regional Product (GRP) for the region has been accessed via the economy.id economic profile for Northern Tasmania. It describes GRP as:

‘…*the equivalent of Gross Domestic Product, but for a smaller area. It is the amount of the nation’s wealth which is generated by businesses, organisations and individuals working in the area. This dataset is derived from the National Economics microsimulation model, and is a broad indicator of the growth or decline of the local economy over time*…*this information is synthesized by National Economics using a range of data sources (including ABS labour force survey, tax office and Centrelink datasets) to produce an estimate of the Gross Regional Product of the local economy….This dataset is underpinned by the NIEIR-ID economic model which is updated each financial year. In the 2016-17 update you can expect to see differences in some of the numbers to previous updates.*’

As this data is derived via a model, the accuracy of the information cannot be verified.

### Gross regional product for Northern Tasmania and Tasmania 2001 to 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year (ending June 30)** | **Northern Tasmania Region** | | | **Tasmania** | | **Australia** |
| **GRP $m** | **Northern Tasmania Region as a % of Tasmania** | **% change from previous year** | **GRP $m** | **% change from previous year** | **% change from previous year** |
| 2016 | 7,531 | 26.56 | -0.2 | 28,354 | +0.0 | +2.6 |
| 2015 | 7,548 | 26.63 | +1.6 | 28,344 | +2.3 | +2.2 |
| 2014 | 7,426 | 26.79 | +0.9 | 27,717 | +1.8 | +2.6 |
| 2013 | 7,359 | 27.02 | -0.5 | 27,232 | +0.0 | +2.3 |
| 2012 | 7,397 | 27.17 | -0.3 | 27,229 | +0.2 | +3.8 |
| 2011 | 7,418 | 27.30 | +1.6 | 27,175 | +1.3 | +2.5 |
| 2010 | 7,301 | 27.22 | +0.2 | 26,820 | +0.7 | +1.7 |
| 2009 | 7,285 | 27.36 | +1.5 | 26,624 | +1.5 | +2.0 |
| 2008 | 7,178 | 27.37 | +4.4 | 26,229 | +2.7 | +3.7 |
| 2007 | 6,878 | 26.94 | +0.7 | 25,534 | +3.0 | +3.7 |
| 2006 | 6,830 | 27.56 | +0.6 | 24,781 | +4.5 | +2.8 |
| 2005 | 6,788 | 28.62 | -0.3 | 23,719 | +2.2 | +3.2 |
| 2004 | 6,806 | 29.33 | +5.1 | 23,204 | +6.8 | +4.0 |
| 2003 | 6,476 | 29.81 | -2.3 | 21,723 | -0.2 | +3.1 |
| 2002 | 6,629 | 30.47 | +6.2 | 21,757 | +5.8 | +4.0 |
| 2001 | 6,242 | 30.34 |  | 20,570 |  |  |

Source: National Institute of Economic and Industry Research (NIEIR) ©2016. Compiled and presented in economy.id by .id , the population experts; [https://home.id.com.au](https://home.id.com.au/)

Accessed from https://economy.id.com.au/northern-tasmania/gross-product 18/6/2018

Data are based on a 2015-16 price base for all years. NIEIR-ID data are inflation adjusted each year to allow direct comparison, and annual data releases adjust previous years’ figures to a new base year’

## Number of Businesses

This metric provides counts actively trading businesses as at 30 June in each year indicated. The Australian Bureau of Statistics (ABS) sources this data from various sources including the Australian Business Register, the Australian Taxation Office and the ABS Register.

It is important to note that businesses that are located in multiple locations are only identified at the state level and may be not be identified as within Tasmania if the head office location is in another State.

Note data for the region has been derived from a count business by local government area which was not readily available prior to 2015.

### Number of businesses in Northern Tasmania and Tasmania 2015 and 2016

|  |  |  |
| --- | --- | --- |
|  | **2015** | **2016** |
| **Northern Tasmania** | 11 914 | 11 304 |
| **Tasmania** | 36 804 | 37 037 |

*Source—Australian Bureau of Statistics, 8165.0 Counts of Australian Businesses, including Entries and Exits, June 2013 to June 2017; Released at 11.30 am (Canberra time) 20 February 2018; Businesses by Local Government Area by Industry Division by Employment Size Ranges, June 2017 (a) (b)*

Notes:

(a) Multi location businesses are only classified to a single LGA. Businesses in the profiled population that operate across multiple states or territories are only classified to a location at the State level. In this data cube, these businesses are included in the No usual address category for the relevant state or territory. See Explanatory Notes 34 and 35 for further details.

(b) The Other Territories/Currently Unknown category in State consists of: businesses coded to Other Territories (see Explanatory Note 30); and businesses that are yet to be coded to a main state (Currently unknown; see Explanatory Note 15).

## Businesses by Industry

This metric provides counts actively trading businesses as at 30 June in each year indicated by industry to provide an indication of which sectors are experiencing business growth.

The Australian Bureau of Statistics (ABS) sources this data from various sources including the Australian Business Register, the Australian Taxation Office and the ABS Register. It is important to note that businesses that are located in multiple locations are only identified at the state level and may be not be identified as within Tasmania if the head office location is in another State.

Data for the region has been derived from a count business by local government area which was not readily available prior to 2015.

### Number of businesses by industry for Northern Tasmania and Tasmania 2015 and 2016

| **Industry** | **2015 Number of Businesses** | | **2016 Number of Businesses** | |
| --- | --- | --- | --- | --- |
| **Northern Tasmania** | **Tasmania** | **Northern Tasmania** | **Tasmania** |
| Accommodation and Food Service | 552 | 1,958 | 581 | 2,005 |
| Administrative and Support Services | 280 | 973 | 294 | 1,016 |
| Agriculture, Forestry and Fishing | 2056 | 5,747 | 2021 | 5,682 |
| Arts and Recreation Services | 126 | 461 | 142 | 463 |
| Construction | 1713 | 5,598 | 1732 | 5,687 |
| Education and Training | 89 | 339 | 94 | 333 |
| Electricity, Gas, Water and Waste Services | 36 | 114 | 34 | 114 |
| Financial and Insurance Services | 728 | 2,547 | 741 | 2,592 |
| Health Care and Social Assistance | 557 | 2,186 | 582 | 2,237 |
| Information Media and Telecommunications | 46 | 219 | 57 | 218 |
| Manufacturing | 508 | 1,664 | 504 | 1,659 |
| Mining | 29 | 113 | 29 | 112 |
| Professional, Scientific and Technical Services | 829 | 3,309 | 839 | 3,344 |
| Public Administration and Safety | 22 | 118 | 31 | 129 |
| Rental, Hiring and Real Estate Services | 1263 | 3,678 | 1275 | 3,707 |
| Retail Trade | 823 | 2,784 | 809 | 2,770 |
| Transport, Postal and Warehousing | 823 | 2,061 | 574 | 2,073 |
| Wholesale Trade | 823 | 1,006 | 337 | 1,012 |
| Other Services | 507 | 1,621 | 511 | 1,646 |
| Currently unknown | 104 | 307 | 117 | 340 |
| **Total** | **11914** | **36,803** | **11304** | **37,139** |

*Source—Australian Bureau of Statistics, 8165.0 Counts of Australian Businesses, including Entries and Exits, Jun 2013 to Jun 2017; Released at 11.30 am (Canberra time) 20 February 2018; Businesses by Local Government Area by Industry Division by Employment Size Ranges, June 2017 (a) (b)*

*Notes:*

*(a) Multi location businesses are only classified to a single LGA. Businesses in the profiled population that operate across multiple states or territories are only classified to a location at the State level. In this data cube, these businesses are included in the No usual address category for the relevant state or territory. See Explanatory Notes 34 and 35 for further details.*

*(b) The Other Territories/Currently Unknown category in State consists of: businesses coded to Other Territories (see Explanatory Note 30); and businesses that are yet to be coded to a main state (Currently unknown; see Explanatory Note 15).*

## Median annual income

The median income of the community provides an indication of how economic growth is translating to person income.

The ABS defines median income as the ‘*level of income which divides the units in the reference population into two equal parts, one half having incomes above the median and the other half having incomes below the median.*’

The ABS receives this data from the Australian Taxation Office for each financial year.

### Median annual income for Northern Tasmania and Tasmania 2011 to 2016

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Median income** | | | | | |
| **2010-11** | **2011-12** | **2012-13** | **2013-14** | **2014-15** | **2015-16** |
| **Northern Tasmania** | $ 36,623 | $ 37,800 | $ 39,112 | $ 40,000 | $ 41,266 | $ 42,472 |
| **Tasmania** | $ 37 872 | $ 39 350 | $ 40 536 | $ 41 631 | $ 42 869 | $ 44 135 |

*Source—Australian Bureau of Statistics, 6524.055002 Estimates of Personal Income for Small Areas, 2011-16, Table 1 and 2 Estimates of Personal Income, Employee Income, 2011-16, Statistical Area Level 4 (a)//*[*http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/6524.0.55.0022011-2016?OpenDocument*](http://www.abs.gov.au/AUSSTATS/abs@.nsf/DetailsPage/6524.0.55.0022011-2016?OpenDocument) *accessed 8/10/2018*

*Notes:*

*All data presented are gross income before deductions; before tax, Medicare levy or other tax measures (such as the temporary budget repair levy) are applied. The amounts shown are nominal, they have not been adjusted for inflation. Full explanatory notes available at* [*http://www.abs.gov.au/ausstats/abs@.nsf/exnote/6524.0.55.002*](http://www.abs.gov.au/ausstats/abs@.nsf/exnote/6524.0.55.002)

## Worker productivity

Worker productivity is an indication of the value added per worker, by dividing the industry value by the number of persons employed in that industry.

This data has been sourced via economy id and is based on National Economic (NIEIR) Modelled Series. As this data is derived via a model, the accuracy of the information cannot be verified.

### Productivity per worker by industry for Northern Tasmania, Tasmania and Australia 2006 to 2016

| **Northern Tasmania Region - Constant prices** | **2005/06** | | | **2010/11** | | | **2015/16** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Industry** | **Northern Tasmania $** | **Tasmania $** | **Australia $** | **Northern Tasmania $** | **Tasmania $** | **Australia $** | **Northern Tasmania $** | **Tasmania $** | **Australia $** |
| Agriculture, Forestry and Fishing | 159 857 | 148 534 | 110 355 | 187 430 | 175 936 | 130 582 | 207 132 | 191 850 | 129 407 |
| Mining | 337 049 | 387 666 | 388 260 | 349 250 | 382 412 | 313 051 | 324 630 | 370 031 | 424 864 |
| Manufacturing | 69 135 | 77 283 | 98 182 | 83 869 | 85 201 | 104 863 | 90 110 | 89 976 | 114 623 |
| Electricity, Gas, Water and Waste Services | 216 300 | 261 783 | 336 678 | 199 315 | 247 801 | 271 233 | 141 015 | 191 494 | 279 039 |
| Construction | 85 806 | 93 214 | 115 098 | 75 702 | 79 143 | 117 219 | 74 511 | 79 544 | 122 473 |
| Wholesale Trade | 96 301 | 95 663 | 116 394 | 95 644 | 98 249 | 125 467 | 133 158 | 129 906 | 173 390 |
| Retail Trade | 37 214 | 37 604 | 47 865 | 51 023 | 50 421 | 55 436 | 51 922 | 51 691 | 62 039 |
| Accommodation and Food Services | 45 481 | 47 006 | 54 890 | 42 881 | 44 207 | 49 051 | 35 850 | 39 209 | 48 610 |
| Transport, Postal and Warehousing | 115 644 | 117 862 | 121 968 | 113 217 | 114 819 | 124 093 | 113 511 | 113 523 | 135 100 |
| Information Media and Telecommunications | 175 691 | 182 896 | 130 953 | 179 051 | 186 682 | 153 628 | 232 386 | 247 514 | 194 152 |
| Financial and Insurance Services | 245 219 | 226 348 | 259 256 | 299 496 | 273 912 | 281 770 | 411 960 | 383 083 | 324 070 |
| Rental, Hiring and Real Estate Services | 94 484 | 104 254 | 202 206 | 88 568 | 100 419 | 184 532 | 129 258 | 145 234 | 241 097 |
| Professional, Scientific and Technical Services | 66 365 | 68 456 | 107 679 | 58 150 | 63 776 | 113 919 | 58 508 | 65 586 | 118 735 |
| Administrative and Support Services | 87 893 | 86 331 | 135 733 | 76 573 | 74 779 | 131 505 | 61 636 | 66 439 | 129 446 |
| Public Administration and Safety | 93 695 | 95 684 | 106 148 | 79 271 | 82 399 | 106 017 | 82 937 | 88 977 | 115 806 |
| Education and Training | 88 745 | 90 086 | 86 108 | 80 320 | 80 854 | 82 155 | 77 976 | 78 867 | 75 903 |
| Health Care and Social Assistance | 83 668 | 85 375 | 70 223 | 92 960 | 93 989 | 73 703 | 101 222 | 102 505 | 74 564 |
| Arts and Recreation Services | 61 601 | 71 134 | 62 774 | 55 456 | 64 183 | 63 682 | 56 513 | 60 437 | 63 952 |
| Other Services | 53 454 | 54 724 | 65 013 | 46 505 | 49 632 | 61 862 | 49 631 | 50 391 | 62 872 |
| **Total Industries** | **90 600** | **92 591** | **105 628** | **94 497** | **95 497** | **109 046** | **98 933** | **100 343** | **117 704** |

*Source: National Institute of Economic and Industry Research (NIEIR) ©2016. Compiled and presented in economy.id by .id, the population experts. https://home.id.com.au via https://economy.id.com.au/northern-tasmania/ accessed 22/11/2018 and 10/4/2019.*

## Value of exports

The value of exports metrics have been sourced via economy id and derived via National Economics (NIEIR) Modelled Series.

Exports are defined as any ‘*sales of goods and services to non-resident households, businesses and other organisations, outside the Northern Tasmania Region boundaries*’ and includes domestic sales within Australia, not just international exports. As this data is derived via a model, the accuracy of the information cannot be verified.

### Total exports by industry sector for Northern Tasmania, Tasmania and Australia 2006, 2011 and 2016

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Northern Tasmania Region constant prices** | **2005/06** | | | | **2010/11** | | | | **2015/16** | | | |
| **Northern Tasmania** | | **TAS** | **Aust** | **Northern Tasmania** | | **TAS** | **Aust** | **Northern Tasmania** | | **TAS** | **Aust** |
| **Industry** | **$m** | **%** | **%** | **%** | **$m** | **%** | **%** | **%** | **$m** | **%** | **%** | **%** |
| Agriculture, Forestry and Fishing | 633.9 | 13.9 | 10.4 | 5.8 | 754.7 | 14.6 | 11.3 | 5.1 | 760.8 | 15.1 | 10.7 | 4.4 |
| Mining | 212.6 | 4.7 | 6.6 | 7.9 | 384.4 | 7.4 | 8.3 | 10.2 | 192.4 | 3.8 | 7.3 | 13.5 |
| Manufacturing | 1497.8 | 32.8 | 25.4 | 23.5 | 1475.9 | 28.5 | 20.5 | 21.1 | 1459.8 | 29.1 | 20.8 | 18.3 |
| Electricity, Gas, Water and Waste Services | 42.4 | 0.9 | 4.9 | 4.5 | 107.9 | 2.1 | 6.7 | 4.5 | 54.1 | 1.1 | 4.6 | 3.7 |
| Construction | 3.9 | 0.1 | 0.1 | 0.1 | 3.0 | 0.1 | 0.1 | 0.1 | 3.0 | 0.1 | 0.1 | 0.1 |
| Wholesale Trade | 174.3 | 3.8 | 2.1 | 5.7 | 113.5 | 2.2 | 1.7 | 5.1 | 206.0 | 4.1 | 2.2 | 5.5 |
| Retail Trade | 140.6 | 3.1 | 3.2 | 2.8 | 262.8 | 5.1 | 4.7 | 2.8 | 223.1 | 4.4 | 4.0 | 2.9 |
| Accommodation and Food Services | 170.3 | 3.7 | 3.7 | 3.1 | 217.8 | 4.2 | 3.6 | 2.6 | 117.1 | 2.3 | 2.8 | 2.7 |
| Transport, Postal and Warehousing | 302.1 | 6.6 | 6.8 | 9.4 | 301.4 | 5.8 | 6.3 | 9.7 | 264.1 | 5.3 | 6.1 | 8.7 |
| Information Media and Telecommunications | 180.6 | 4.0 | 4.6 | 3.3 | 122.0 | 2.4 | 4.0 | 3.6 | 138.8 | 2.8 | 4.6 | 4.0 |
| Financial and Insurance Services | 329.9 | 7.2 | 4.5 | 8.0 | 376.2 | 7.3 | 4.7 | 8.5 | 405.6 | 8.1 | 6.7 | 9.9 |
| Rental, Hiring and Real Estate Services | 10.8 | 0.2 | 0.2 | 0.8 | 9.1 | 0.2 | 0.2 | 0.7 | 19.3 | 0.4 | 0.3 | 0.9 |
| Professional, Scientific and Technical Services | 17.1 | 0.4 | 1.3 | 5.7 | 16.1 | 0.3 | 0.9 | 6.4 | 17.6 | 0.4 | 1.0 | 6.2 |
| Administrative and Support Services | 28.1 | 0.6 | 0.9 | 2.1 | 12.2 | 0.2 | 0.4 | 2.1 | 9.3 | 0.2 | 0.4 | 1.8 |
| Public Administration and Safety | 134.7 | 2.9 | 9.3 | 7.2 | 120.8 | 2.3 | 7.9 | 6.8 | 75.4 | 1.5 | 6.6 | 6.3 |
| Education and Training | 275.5 | 6.0 | 5.3 | 3.4 | 328.5 | 6.3 | 5.9 | 3.6 | 314.7 | 6.3 | 6.2 | 3.7 |
| Health Care and Social Assistance | 335.3 | 7.3 | 8.2 | 3.5 | 472.6 | 9.1 | 9.8 | 4.1 | 610.0 | 12.1 | 12.2 | 4.4 |
| Arts and Recreation Services | 41.4 | 0.9 | 1.5 | 1.5 | 71.3 | 1.4 | 2.2 | 1.7 | 98.0 | 2.0 | 2.3 | 1.7 |
| Other Services | 38.4 | 0.8 | 0.9 | 1.7 | 31.1 | 0.6 | 0.7 | 1.6 | 55.6 | 1.1 | 1.1 | 1.5 |
| **Total Industries** | **4,570** | **100.0** | **100.0** | **100.0** | **5,181** | **100.0** | **100.0** | **100.0** | **5,025** | **100.0** | **100.0** | **100.0** |

*Source: National Institute of Economic and Industry Research (NIEIR) ©2016. Compiled and presented in economy.id by .id , the population experts.* [*https://home.id.com.au*](https://home.id.com.au/)*, Accessed from* [*https://economy.id.com.au/northern-tasmania/gross-product 10/4/2019*](https://economy.id.com.au/northern-tasmania/gross-product%2010/4/2019)*. Data are based on a 2015-16 price base for all years. NIEIR-ID data are inflation adjusted each year to allow direct comparison, and annual data releases adjust previous years’ figures to a new base year’*

## Innovation

A survey conducted by StartupTas in June 2016 for the upcoming StartupAus Crossroads report found that Hobart currently has 78 tech start-ups per million people and Launceston, 256 tech start-ups per million people.

The Commonwealth government is leading a review of innovation metrics through the Innovation Metrics Review Taskforce. A final report on the review, including a framework for the measurement of innovation in Australia will be developed. This report will be updated once this review is complete.

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| Phone: | 1800 030 688 |
| Email: | [info@stategrowth.tas.gov.au](mailto:XXXX@XXXX.tas.gov.au) |
| Web: | www.stategrowth.tas.gov.au |
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