

ECONOMIC INDICATORS REPORT: POPULATION & DEMOGRAPHICS

UPDATED ANNUALLY

Current as at 30.06.2020

Presented by **ECONOMY & PROSPERITY**

ISAAC
REGION 
HELPING TO ENERGISE THE WORLD

POPULATION

FIGURE 1. FTE POPULATION ESTIMATES, BOWEN BASIN LGAS AND SELECTED UCLS, JUNE 2019

Full-time equivalent population

The FTE population measure is the sum of the resident population (people who live in the area permanently) and the non-resident population (i.e. the number of non-resident workers on-shift).

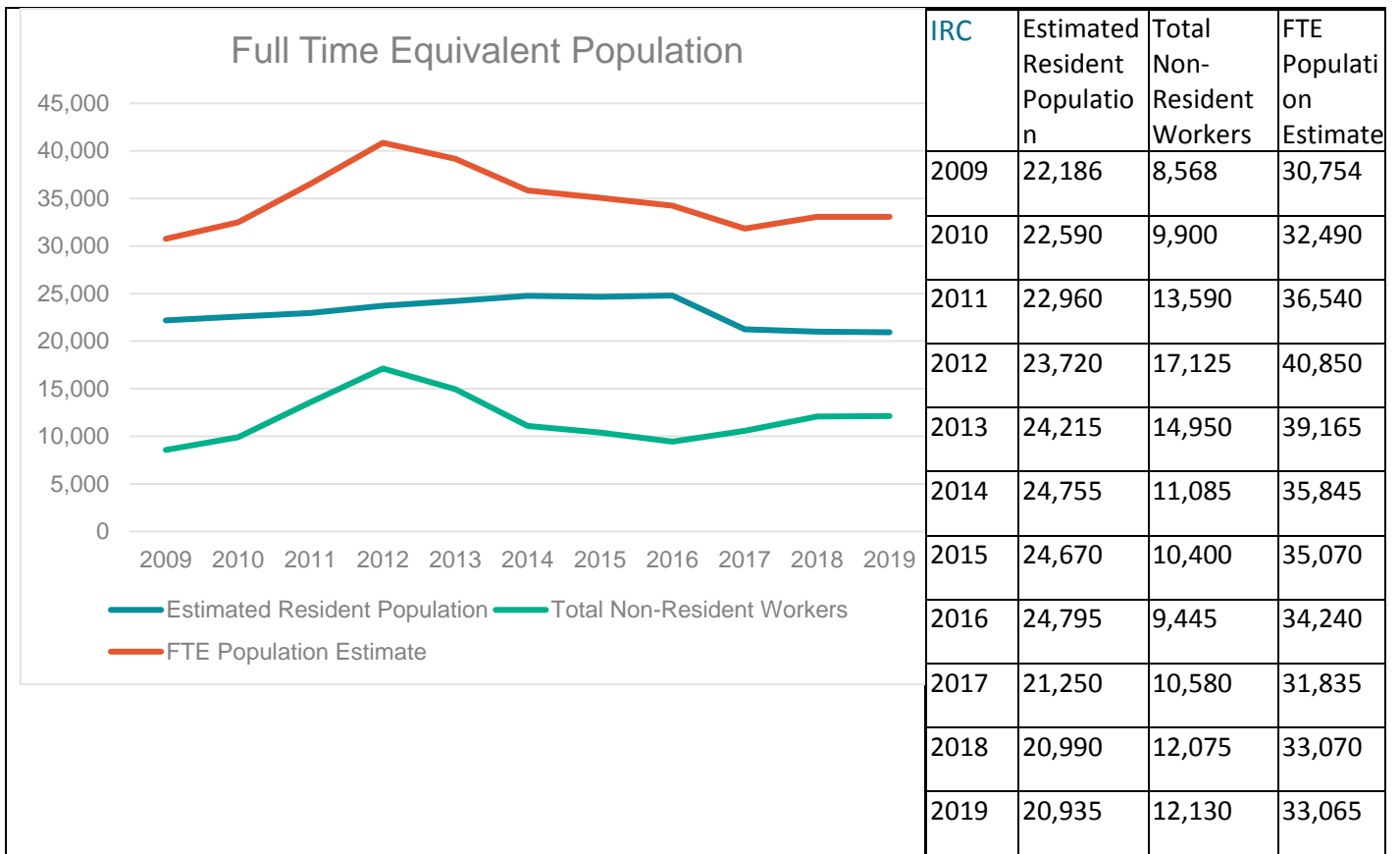
The FTE population measure provides a more complete estimate of total demand for certain services and infrastructure in regions with a high incidence of FIFO/DIDO workers.

LGAs/Location(s)	Resident population	Non-resident population	FTE population
Banana (S)			
Baralaba	245	125	370
Biloela	5,760	165	5,920
Moura	1,515	285	1,795
Other towns ^(c)	1,220	0	1,220
Rural areas	5,555	670	6,225
Banana (S) total	14,295	1,240	15,535
Central Highlands (R)			
Blackwater	4,840	1,765	6,605
Bluff	270	265	535
Capella	980	45	1,030
Emerald	14,125	550	14,675
Springsure	845	20	870
Tieri	1,095	300	1,395
Other towns ^(c)	1,495	20	1,515
Rural areas	5,050	1,405	6,455
Central Highlands (R) total	28,700	4,375	33,075
Isaac (R)			
Clermont	2,070	85	2,155
Dysart	2,335	1,840	4,175
Glenden	585	415	1,000
Middlemount	1,715	1,130	2,850
Moranbah	8,675	2,820	11,495
Nebo	490	325	820
Rural areas	5,065	5,510	10,575
Isaac (R) total	20,935	12,130	33,065
Whitsunday (R) (Bowen only)			
Bowen	9,040	50	9,090
Collinsville	1,050	440	1,485
Other towns ^(c)	450	20	470
Rural areas	2,025	150	2,175
Whitsunday (R) (Bowen only) total	12,565	660	13,225
BOWEN BASIN TOTAL	76,49	18,410	94,900

Source: QGSO Bowen Basin Population Reports 2019

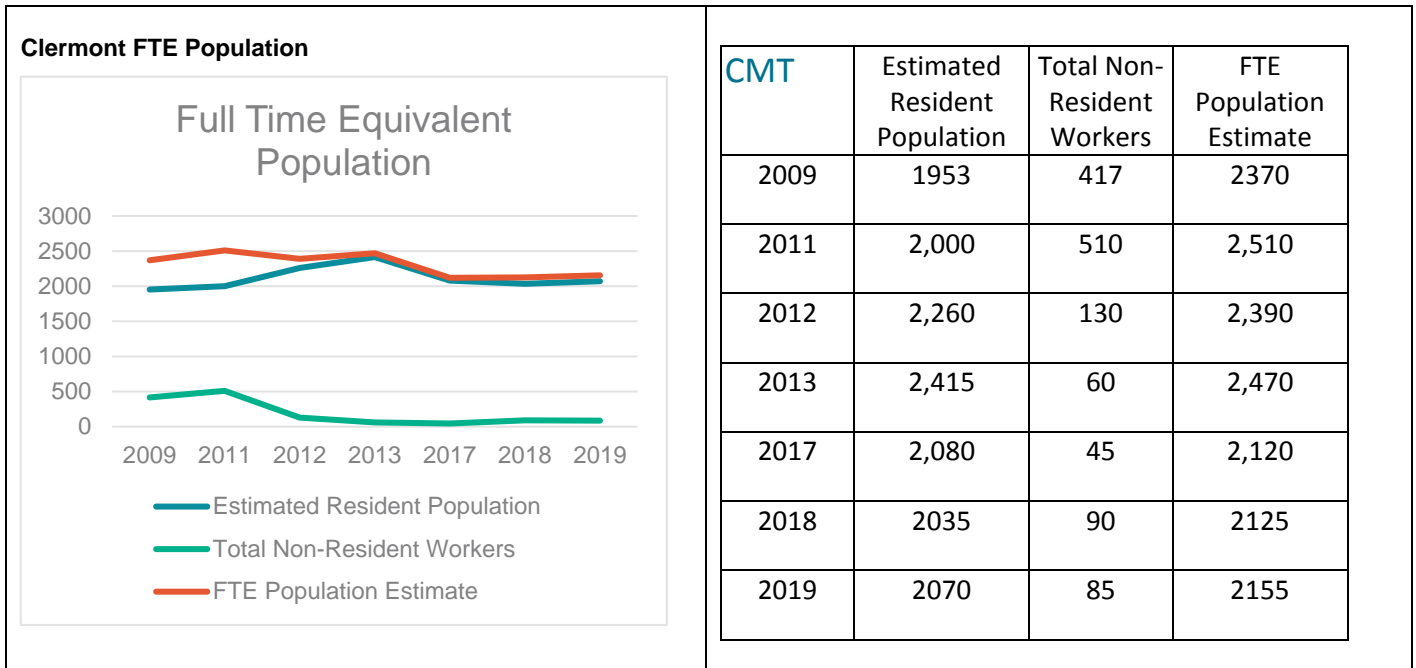
FIGURE 2. ISAAC TOTAL FTE POPULATION

The following graph depicts the total full time equivalent population for the Isaac Region from 2009-2019

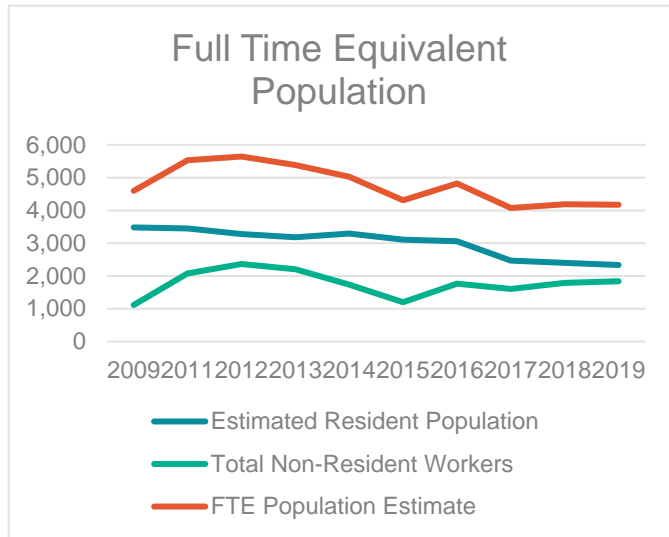


Source: QGSO Bowen Basin Population Reports 2009-2019

FIGURE 3. TOWN-SPECIFIC FTE POPULATION

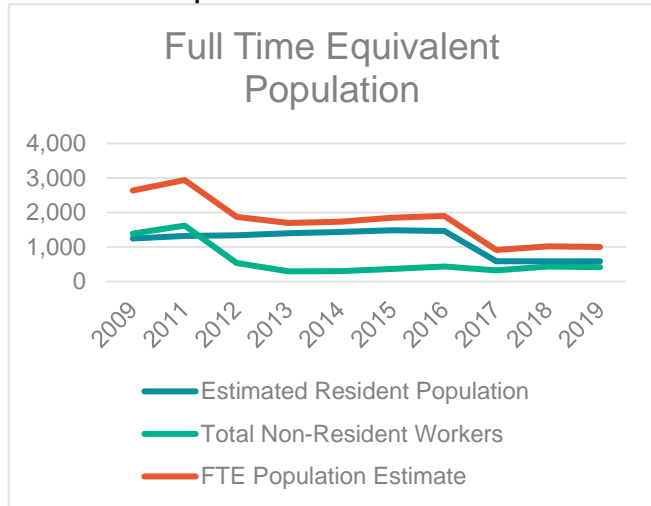


Dysart FTE Population



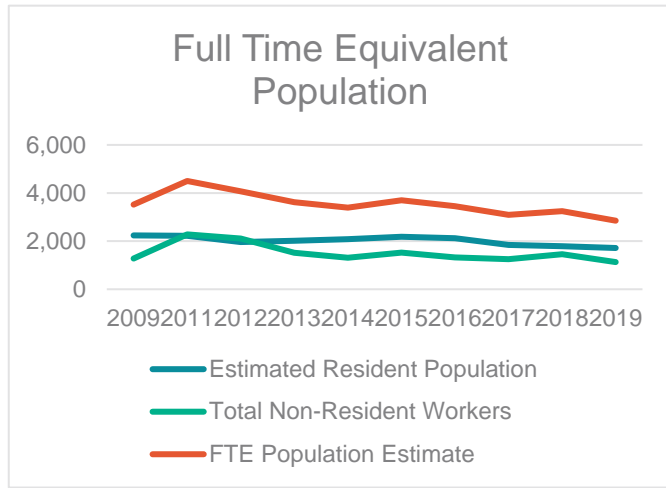
DYS	Estimated Resident Population	Total Non-Resident Workers	FTE Population Estimate
2009	3,482	1,115	4,597
2011	3,450	2,080	5,530
2012	3,280	2,365	5,645
2013	3,180	2,205	5,385
2014	3,295	1,735	5,030
2015	3,110	1,200	4,310
2016	3,060	1,765	4,825
2017	2,470	1,605	4,075
2018	2,400	1,790	4,190
2019	2,335	1,840	4,175

Glenden FTE Population



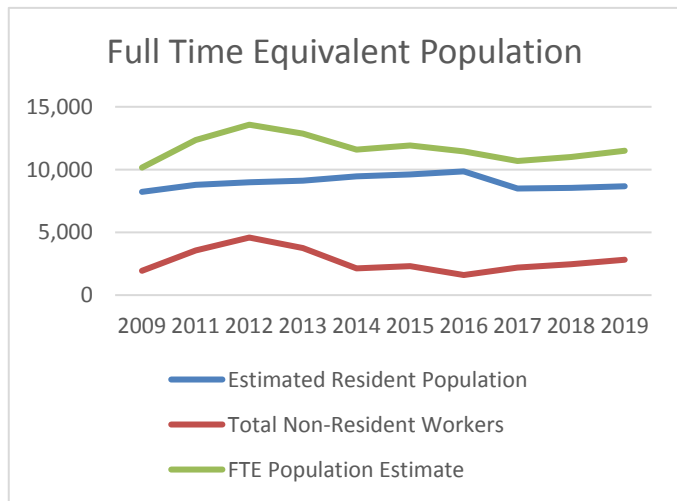
GDN	Estimated Resident Population	Total Non-Resident Workers	FTE Population Estimate
2009	1,248	1,392	2,640
2011	1,320	1,620	2,940
2012	1,340	535	1,875
2013	1,400	295	1,695
2014	1,435	300	1,735
2015	1,485	365	1,850
2016	1,465	435	1,900
2017	590	325	915
2018	585	435	1,020
2019	585	415	1,000

Middlemount FTE Population



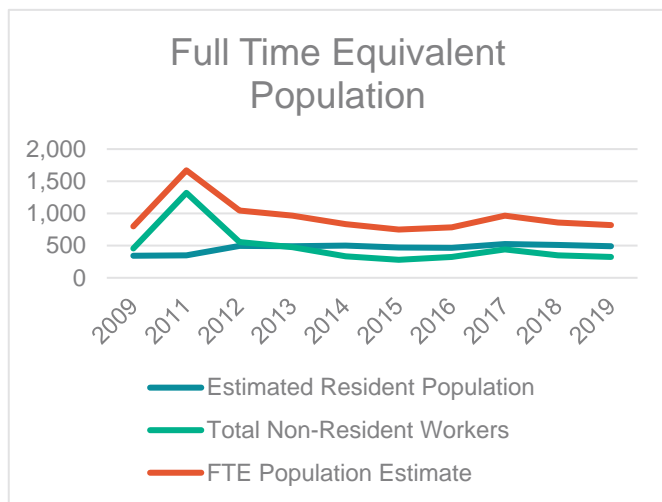
MMT	Estimated Resident Population	Total Non-Resident Workers	FTE Population Estimate
2009	2,238	1,278	3,516
2011	2,220	2,280	4,500
2012	1,960	2,110	4,070
2013	2,015	1,515	3,620
2014	2,085	1,310	3,395
2015	2,180	1,520	3,700
2016	2,120	1,325	3,450
2017	1,845	1,250	3,095
2018	1,790	1,455	3,245
2019	1,715	1,130	2,850

Moranbah FTE Population



MBH	Estimated Resident Population	Total Non-Resident Workers	FTE Population Estimate
2009	8,225	1,933	10,158
2011	8,790	3,560	12,350
2012	8,990	4,585	13,575
2013	9,120	3,745	12,865
2014	9,455	2,130	11,585
2015	9,620	2,305	11,920
2016	9,855	1,600	11,455
2017	8,495	2,190	10,685
2018	8,540	2,465	11,005
2019	8,675	2,820	11,495

Nebo FTE Population



NBO	Estimated Resident Population	Total Non-Resident Workers	FTE Population Estimate
2009	343	455	798
2011	350	1,320	1,670
2012	495	555	1,045
2013	490	475	965
2014	500	335	835
2015	470	280	750
2016	465	325	785
2017	525	440	965
2018	510	350	860
2019	490	325	820

Other Towns & Rural Areas FTE Population



OTHER	Estimated Resident Population	Total Non-Resident Workers	FTE Population Estimate
2009	4,697	1,978	6,675
2011	4,840	2,210	7,050
2012	5,395	6,850	12,245
2013	5,505	6,660	12,165
2014	7,995	5,280	13,275
2015	7,805	4,730	12,535
2016	7,835	3,995	11,830
2017	5,250	4,725	9,975
2018	5,130	5,490	10,620
2019	5,065	5,510	10,575

Source: QGSO Bowen Basin Population Reports 2010-2019

ISAAC POPULATION PROJECTION

The following projection series are presented the Isaac Region.

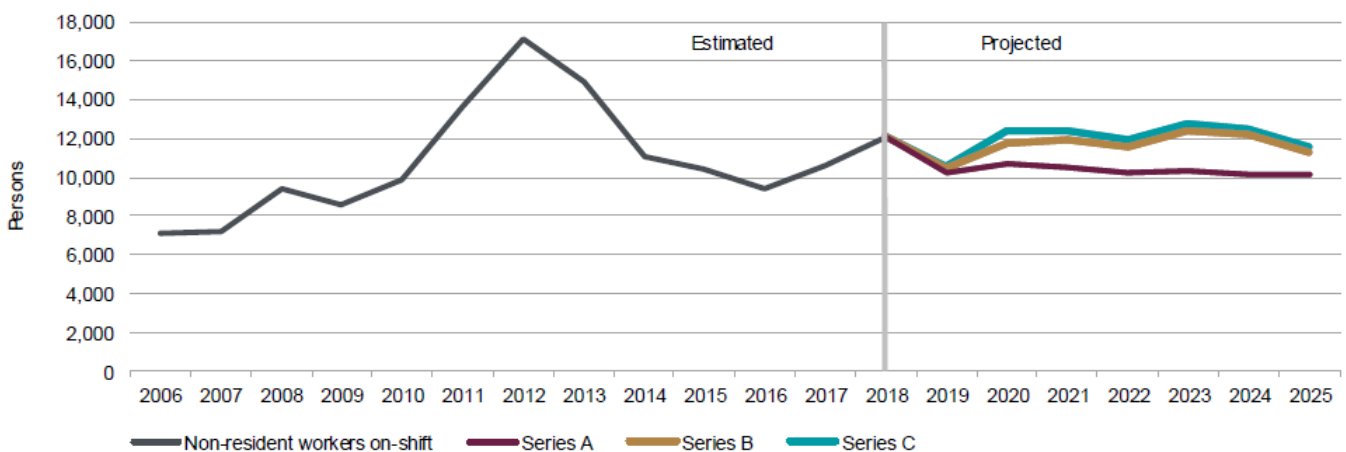
As at December 2018, 26 of the 43 active coal operations in the Bowen Basin were located in Isaac (R), along with four other resource operations. Isaac (R) had a non-resident population of 12,080 persons in June 2018, up from 10,580 persons in June 2017. This growth was influenced by expanded production and scheduled maintenance activities at existing mines, activity at one new mine and one reopened mine, and three projects that were under construction (QGSO, 2018).

Three projection series are presented for Isaac (R). Series A expects the non-resident population will decrease to 10,250 persons in 2019, before increasing to 10,730 persons in 2020, then declining to 10,100 persons by 2024. This series takes into account the non-resident workforces of all active resource operations, as well as workforces for the Carmichael Coal Project and Carmichael Rail Network, which have reached financial close but have yet to begin construction.

Series B projects the non-resident population of Isaac (R) will decline to 10,450 persons in 2019. It is expected to peak at 12,420 persons in 2023 before decreasing to 11,260 persons by 2025. This series factors in the construction and production workforces of two rail projects and nine coal projects, including China Stone, Ironbark No.1 and Red Hill Mining Lease Project, which have been approved but are yet to reach financial close.

The Series C projection takes account of the additional impacts of two coal projects, Moorlands and Olive Downs, that have lodged an EIS but have yet to receive approval. Under this scenario, the non-resident population of Isaac (R) will follow a similar trajectory to Series B, peaking at 12,720 persons in 2023 before falling to 11,560 persons by 2025.

FIGURE 4. PAST AND PROJECTED NON-RESIDENT POPULATION, ISAAC



Source: QGSO estimates, 2006 to 2018; QGSO projections, 2019 to 2025

FIGURE 5. PROJECTED NON-RESIDENT POPULATION, ISAAC

Projected non-resident population, Isaac (R)

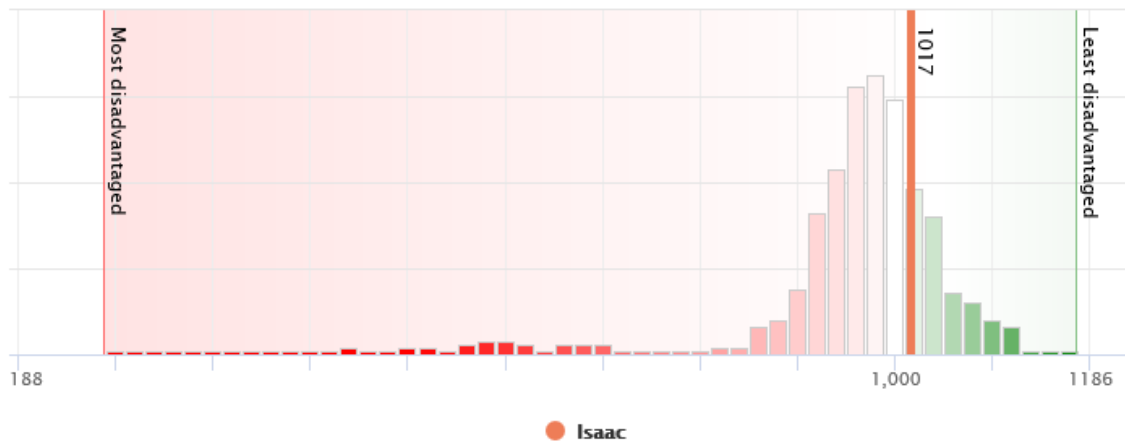
Number of non-resident workers on-shift at 30 June

Projection series

	2018	2019	2020	2021	2022	2023	2024	2025
Series A	12,080	10,250	10,730	10,530	10,210	10,360	10,100	10,100
Series B	12,080	10,450	11,790	11,940	11,600	12,420	12,220	11,260
Series C	12,080	10,600	12,410	12,380	11,900	12,720	12,520	11,560

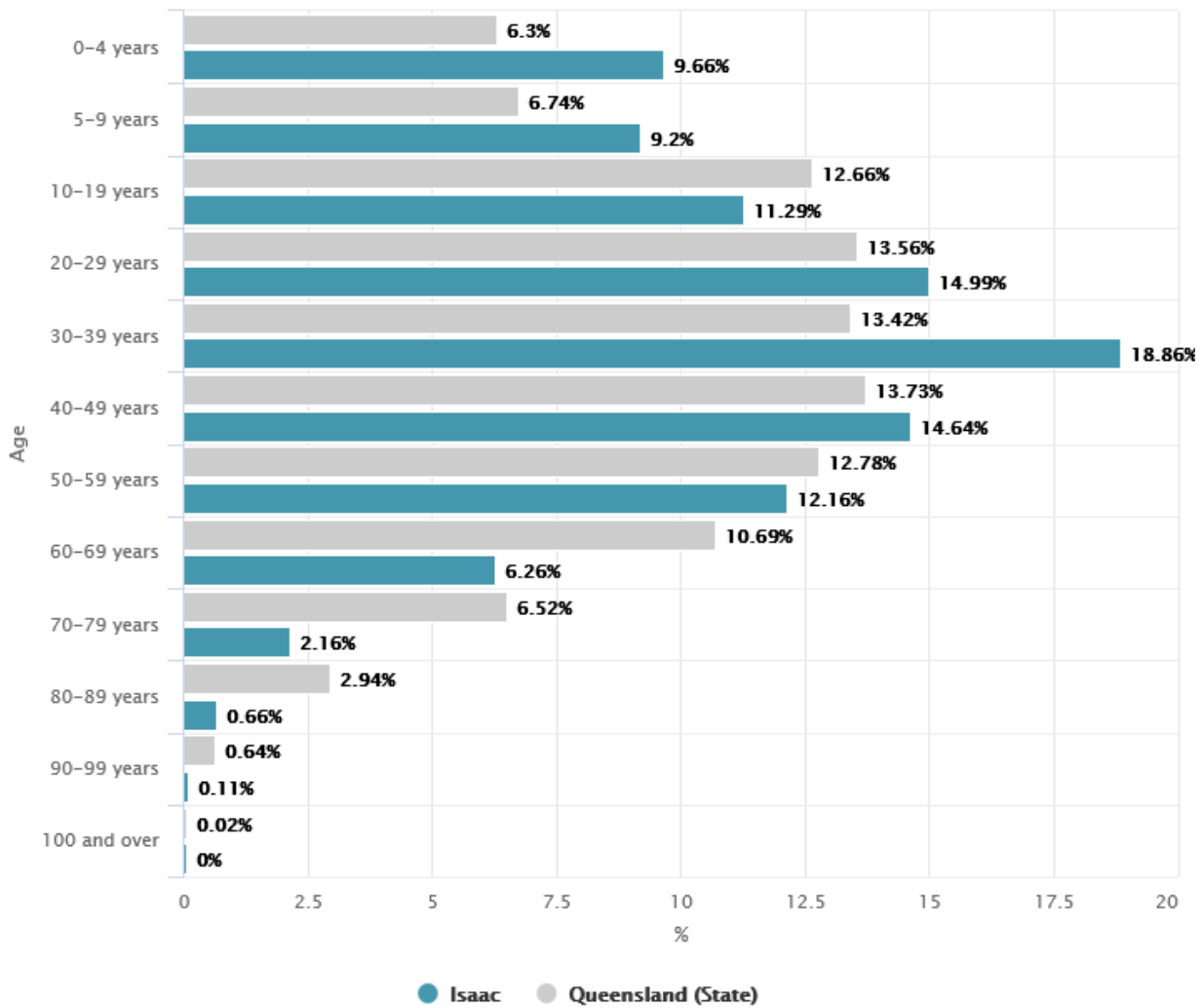
(Source: QGSO estimates, 2018; QGSO projections, 2019 to 2025)

FIGURE 6. ISAAC SEIFA INDEX RATING



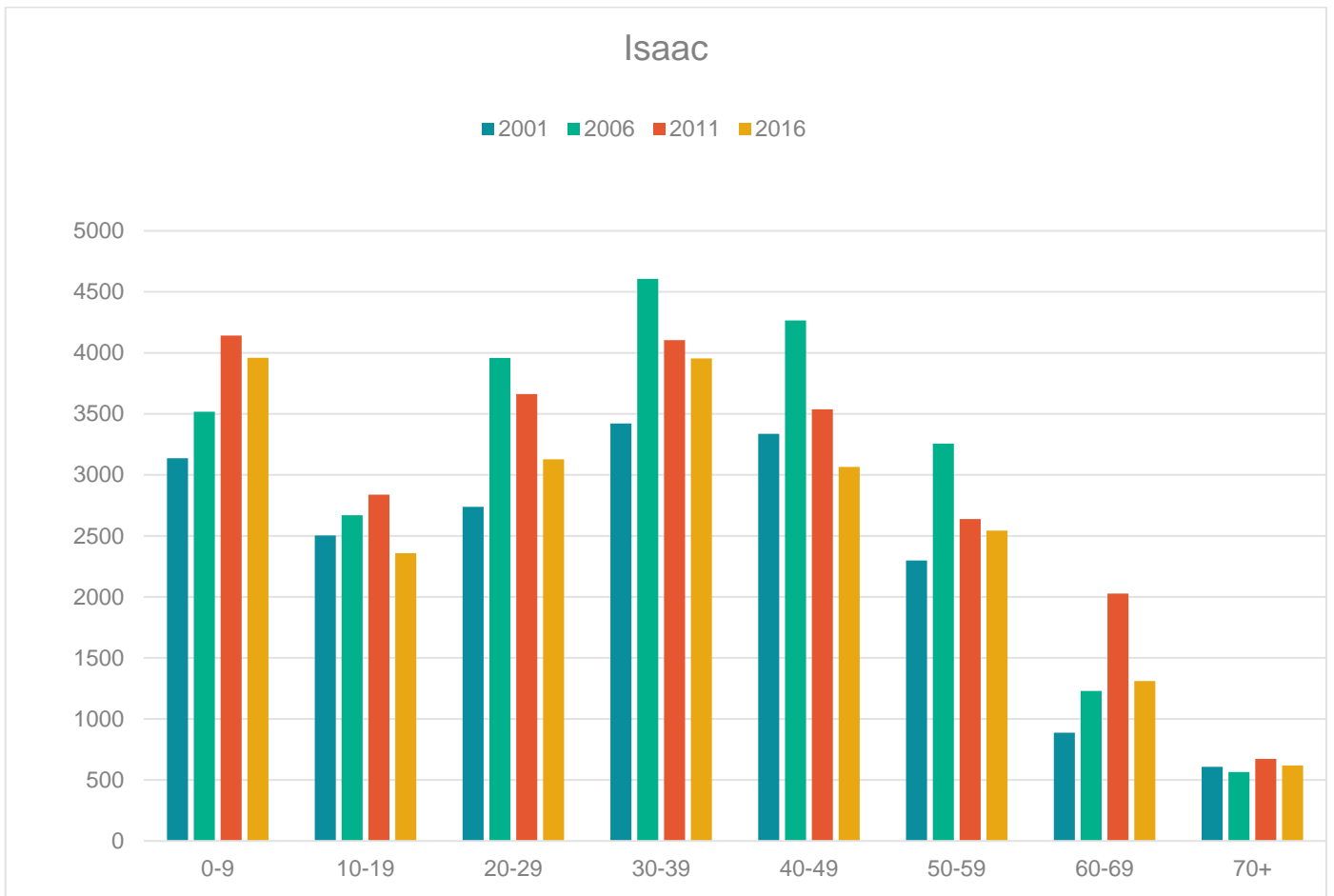
Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REMPLAN Community

FIGURE 7. ISAAC VS QUEENSLAND POPULATION % BY AGE GROUP



Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REMPLAN Community

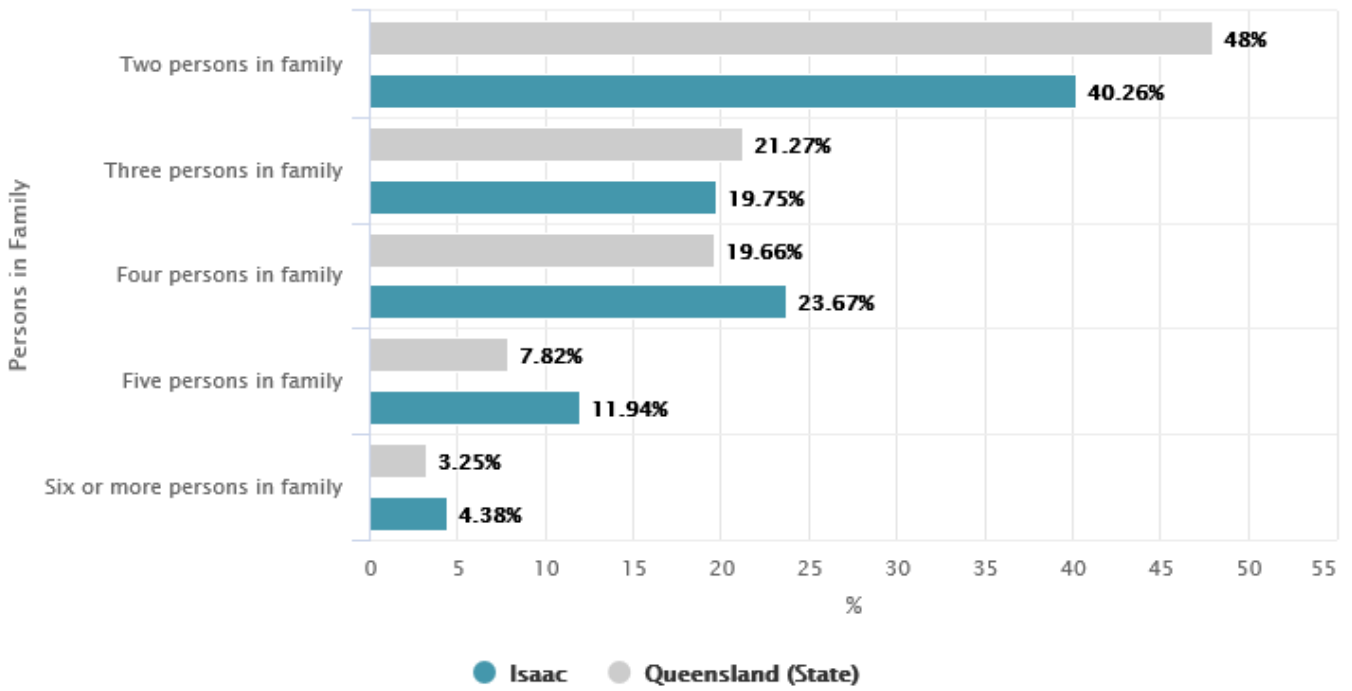
FIGURE 8. COMPARING ISAAC POPULATION BY AGE



	2001	2006	2011	2016
0-9	3136	3518	4142	3960
10-19	2504	2670	2838	2358
20-29	2738	3958	3663	3128
30-39	3421	4607	4104	3955
40-49	3336	4266	3538	3066
50-59	2298	3257	2638	2544
60-69	887	1230	2028	1311
70+	608	565	672	619

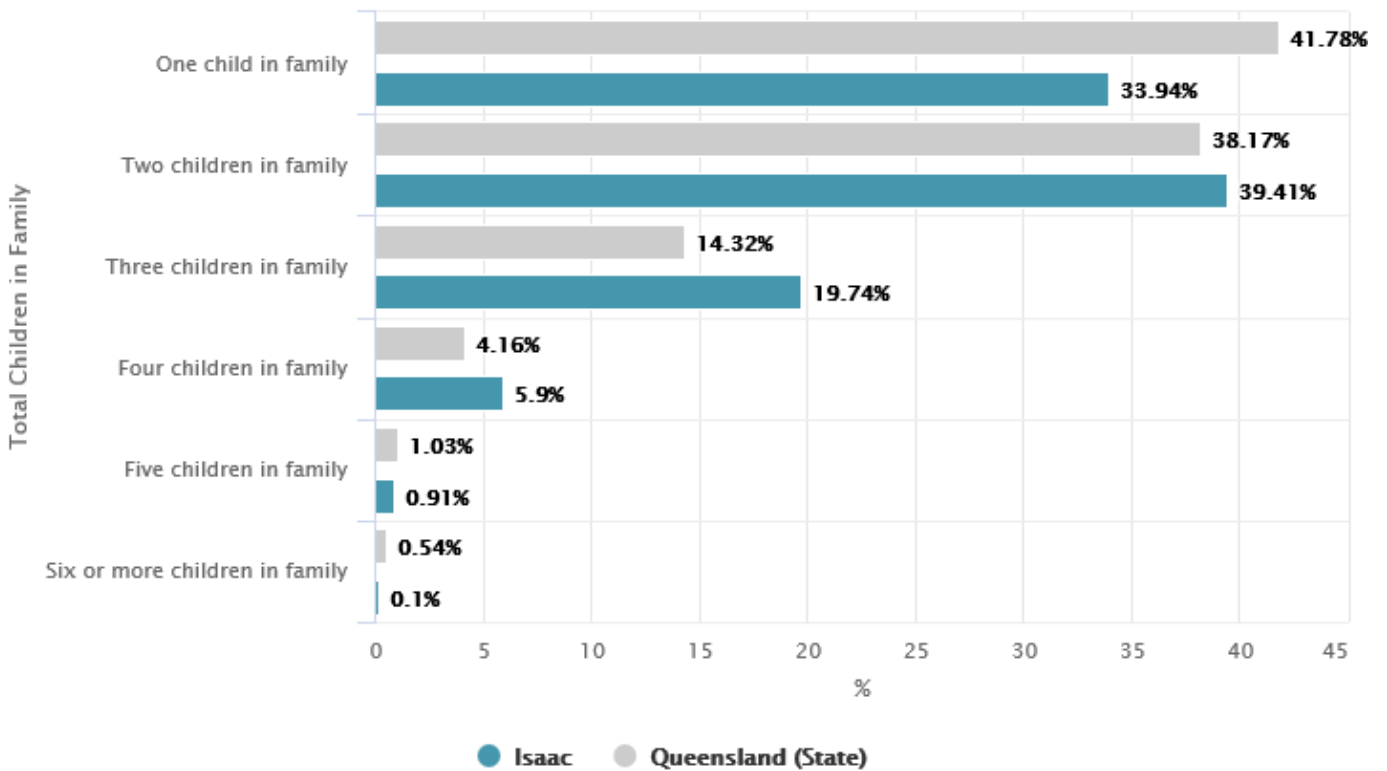
(Source: 2016 ABS Isaac Time-series)

FIGURE 9. NUMBER OF PERSONS IN FAMILY



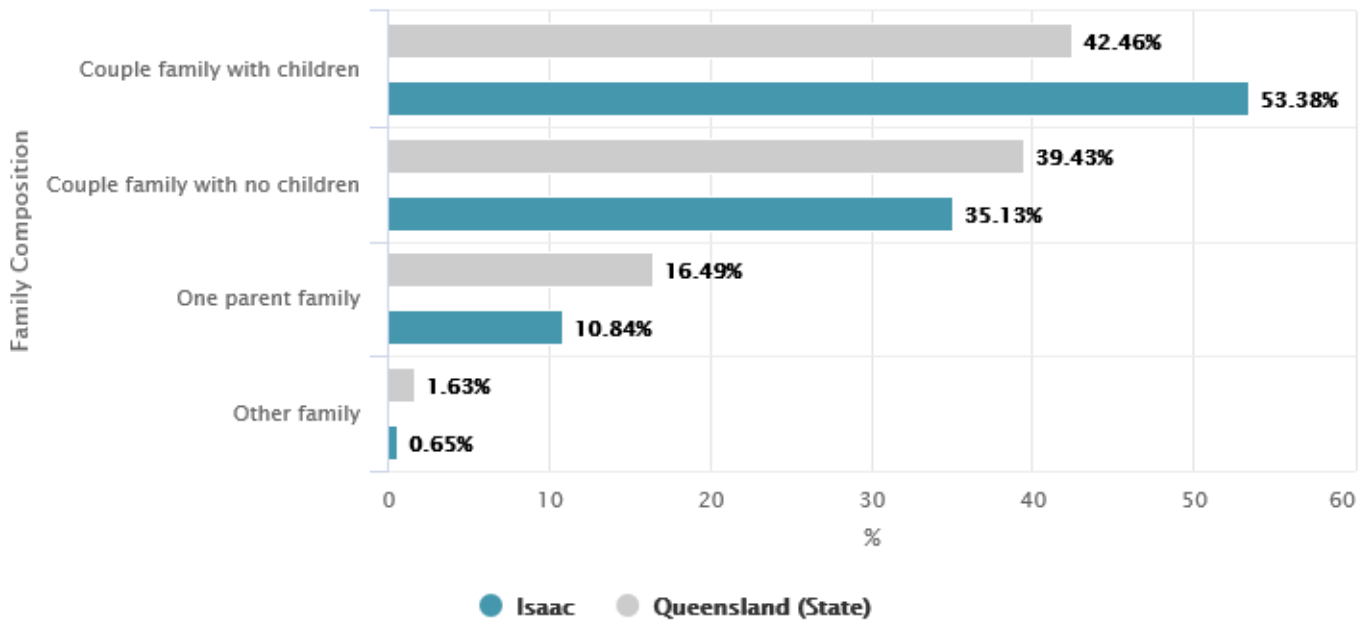
Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REMPLAN Community

FIGURE 10. FAMILIES – TOTAL CHILDREN IN FAMILY



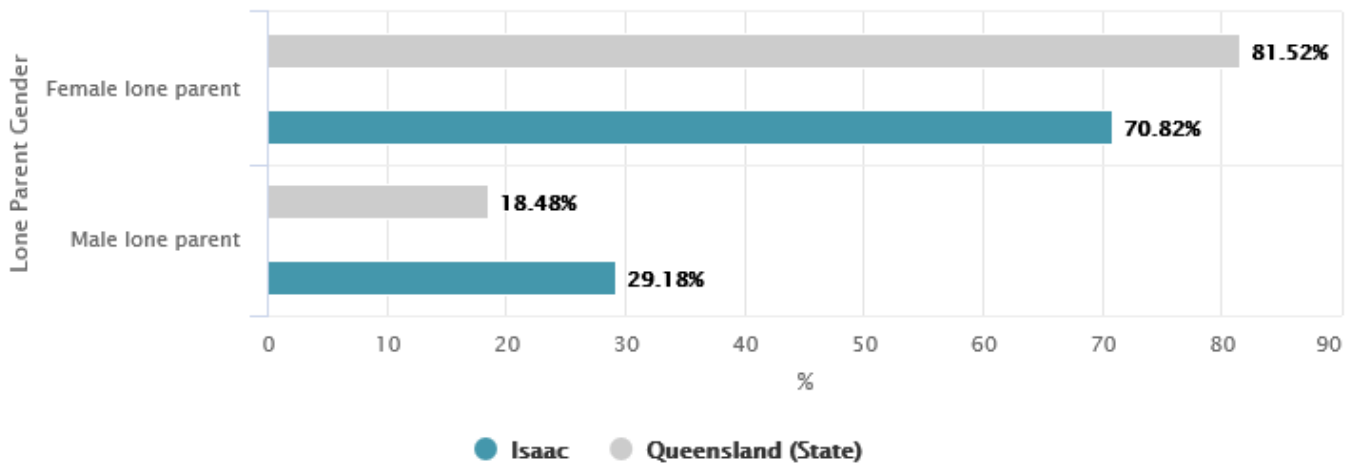
Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REMPLAN Community

FIGURE 11. FAMILY COMPOSITION



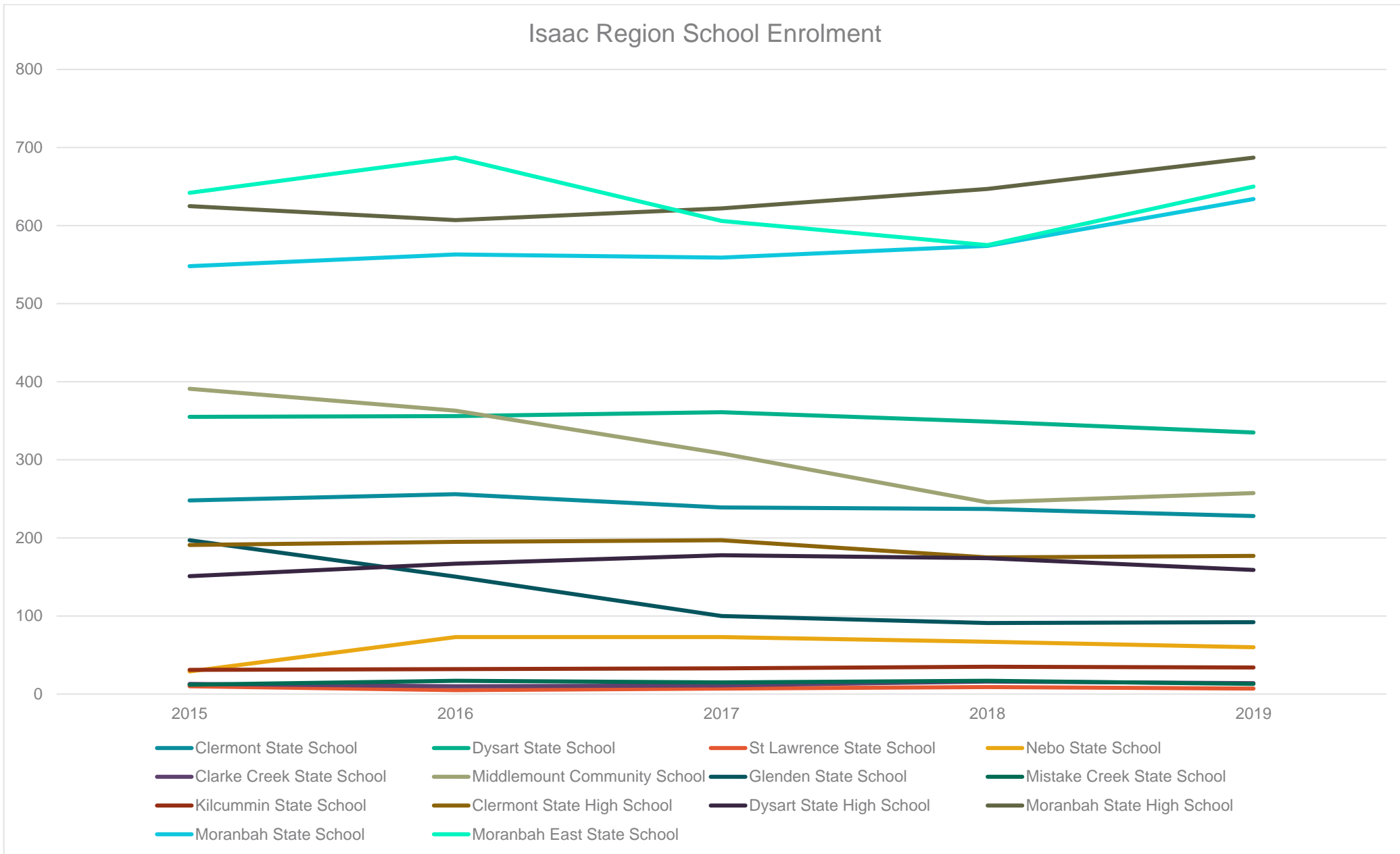
Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REMPLAN Community

FIGURE 12. LONE PARENTS



Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REMPLAN Community

FIGURE 13. ISAAC STATE SCHOOL ENROLMENT



School	2015	2016	2017	2018	2019
<i>Clermont State School</i>	248	256	239	237	228
<i>Dysart State School</i>	355	356	361	349	335
<i>St Lawrence State School</i>	10	5	7	9	7
<i>Nebo State School</i>	29	73	73	67	60
<i>Clarke Creek State School</i>	13	10	11	16	14
<i>Glenden State School</i>	197	150.4	100	91	92
<i>Kilcummin State School</i>	31	32	33	35	34
<i>Dysart State High School</i>	151	167	177.8	174	159
<i>Moranbah State School</i>	548	563	559	574	634
<i>Mistake Creek State School</i>	12	17	15	17	13
<i>Clermont State High School</i>	191	195	197	175	177
<i>Moranbah East State School</i>	642	687	606	575	650
<i>Middlemount Community School</i>	391	363	308.2	245.6	257.4
<i>Moranbah State High School</i>	625	607	622	647	687

Source: Queensland Government, data.qld.gov.au

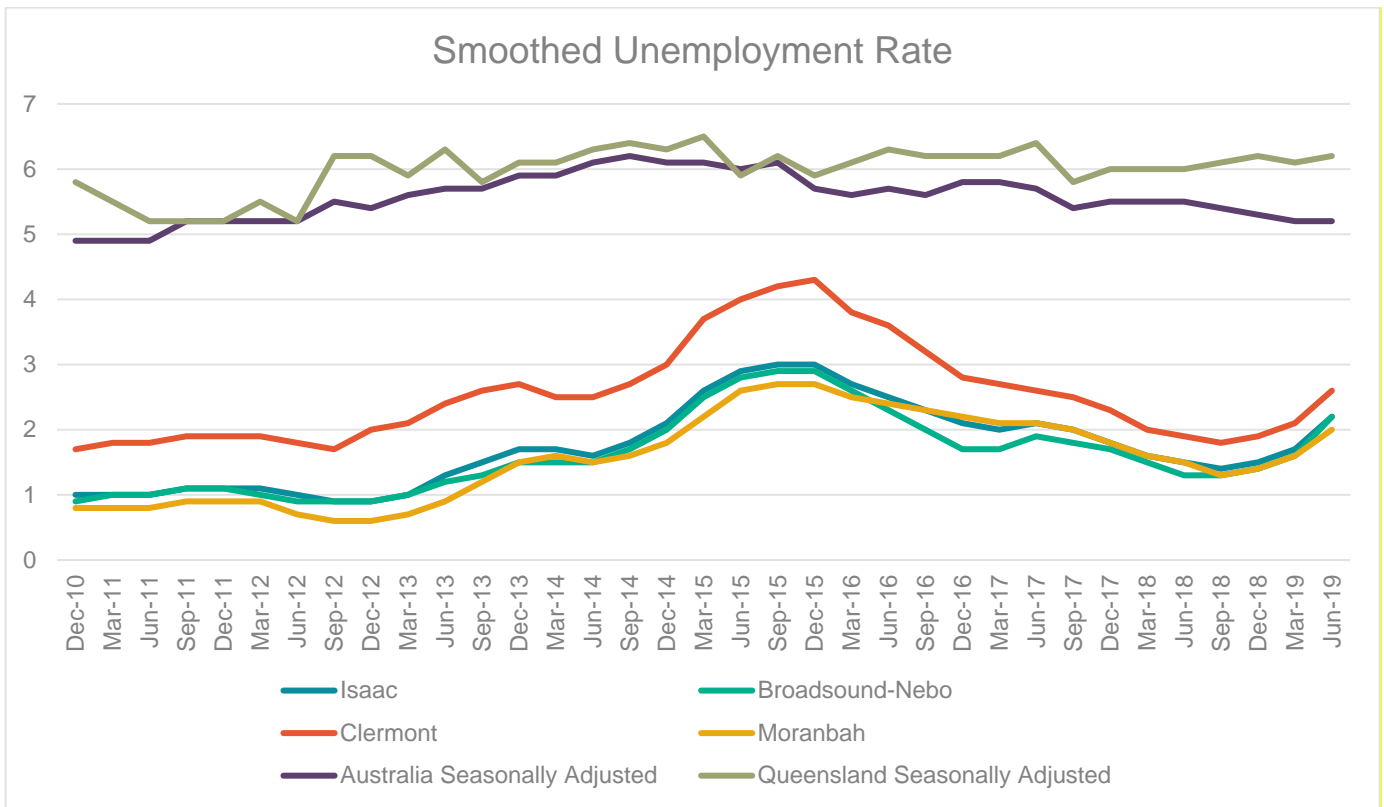


EMPLOYMENT & LABOUR

EMPLOYMENT & LABOUR

FIGURE 14. SMOOTHED UNEMPLOYMENT RATE

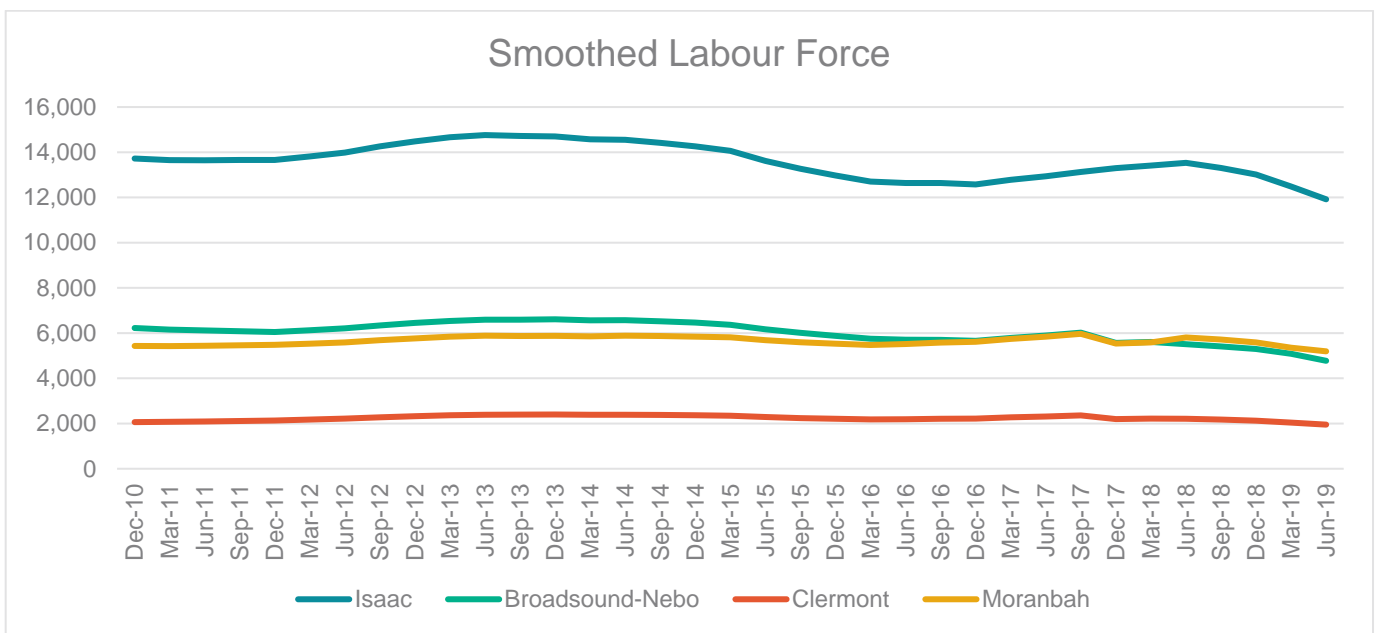
Unemployment rates are generally calculated by the number of unemployed people in a given area by its corresponding labour force.



(Source: Department of Job and Small Business Small Area Labour Market LGA and SA2 Data Tables Mar 2019)

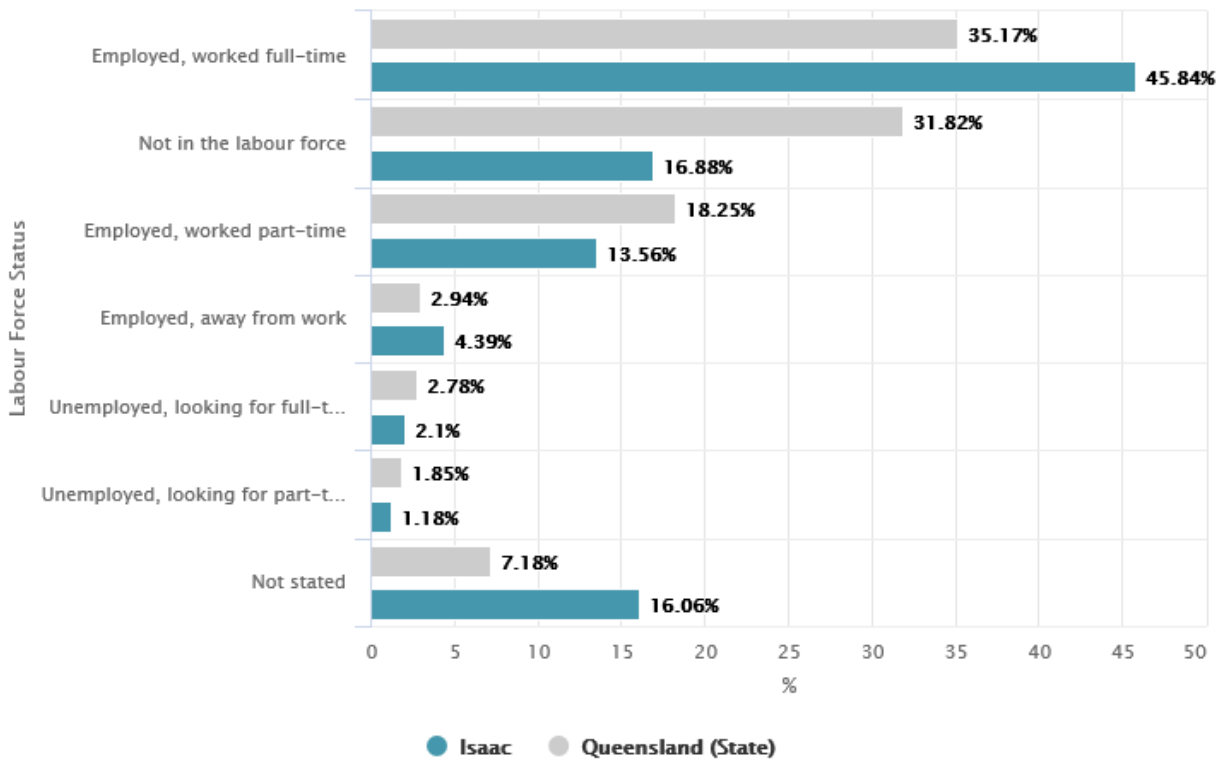
FIGURE 15. SMOOTHED LABOUR FORCE

Smoothed labour force refers to the collective people who are able to work. The following graph depicts the total labour force of the Isaac LGA.



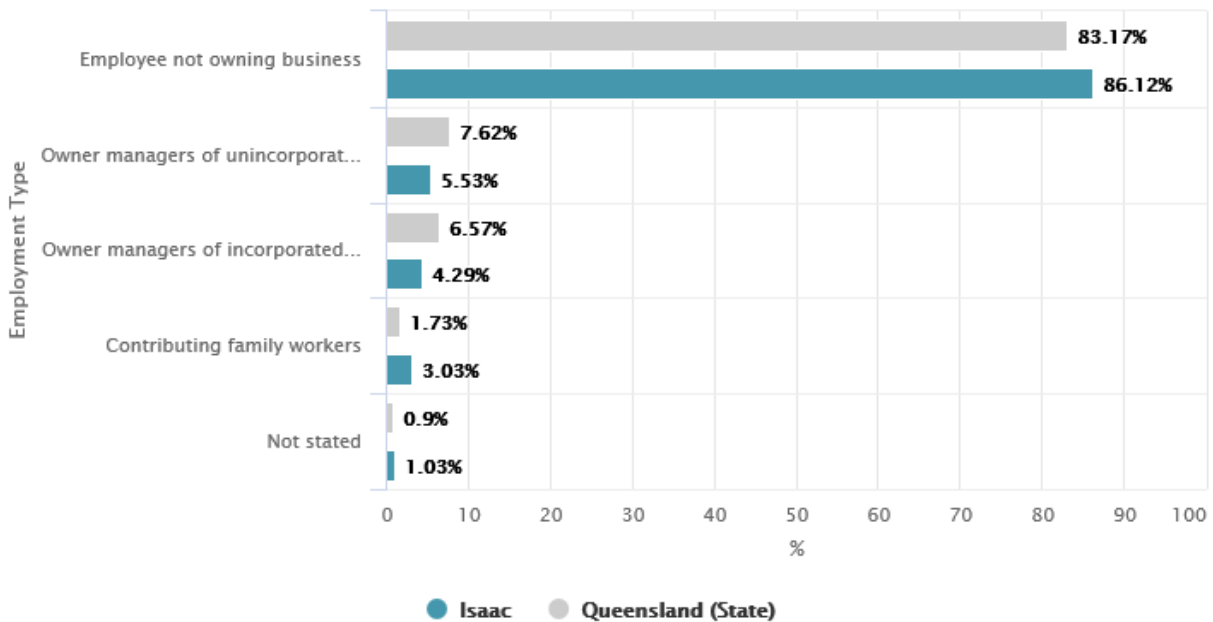
(Source: Department of Job and Small Business Small Area Labour Market LGA and SA2 Data Tables Mar 2019)

FIGURE 16. LABOUR FORCE STATUS



Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REPLAN Economy.

FIGURE 17. EMPLOYMENT TYPE



Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REPLAN Economy.

FIGURE 18. EMPLOYMENT BY INDUSTRY

All industry sectors in Isaac (R) ranked by Employment.

Industry Sector	Isaac (R) (2019 Release 1)	
	Jobs	%
Mining	13,080	60.9%
Agriculture, Forestry & Fishing	1,160	5.4%
Accommodation & Food Services	947	4.4%
Construction	848	4.0%
Education & Training	806	3.8%
Administrative & Support Services	777	3.6%
Transport, Postal & Warehousing	591	2.8%
Retail Trade	537	2.5%
Health Care & Social Assistance	492	2.3%
Public Administration & Safety	488	2.3%
Other Services	440	2.1%
Manufacturing	423	2.0%
Professional, Scientific & Technical Services	237	1.1%
Wholesale Trade	197	0.9%
Electricity, Gas, Water & Waste Services	158	0.7%
Rental, Hiring & Real Estate Services	146	0.7%
Arts & Recreation Services	62	0.3%
Financial & Insurance Services	39	0.2%
Information Media & Telecommunications	34	0.2%
Total	21,462	

Source: Australian Bureau of Statistics 2016 Census of Population and Housing, REMPLAN Economy.