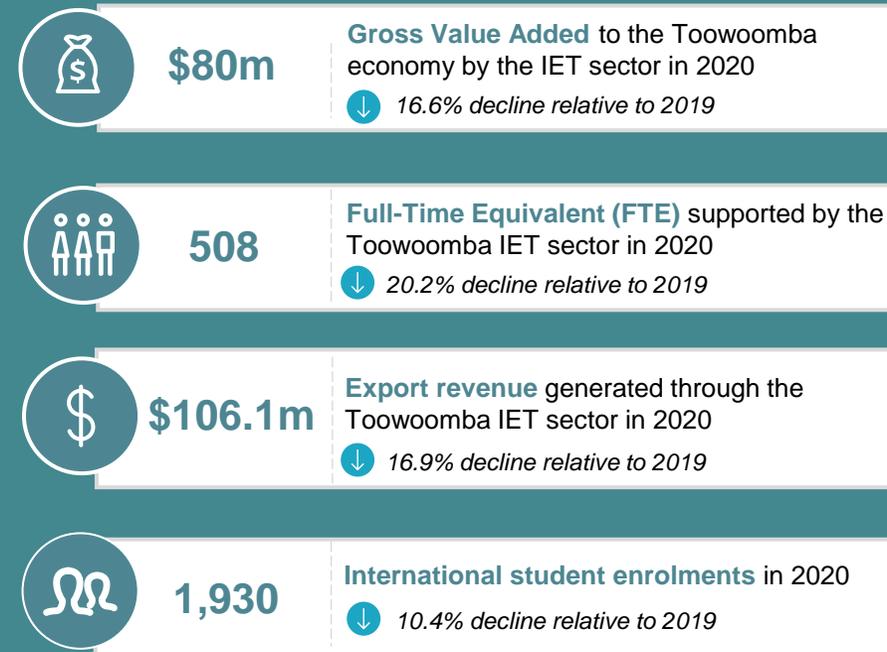


International education & training snapshot: Toowoomba 2020



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International student enrolments

International student enrolments

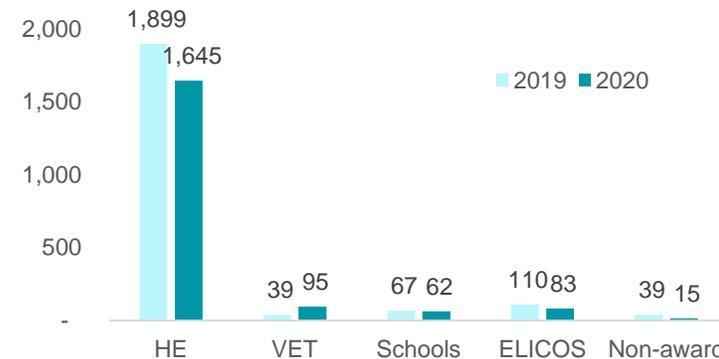
1,930
enrolments in 2020

In 2020, student enrolments in Toowoomba (on student visas) totalled 1,930. **Higher education (HE)** remained the largest sub-sector, with **1,645** enrolments, followed by the VET and ELICOS sub-sectors.

-10.4%
decline in enrolments 2019 to 2020

The onset of COVID-19 and timing of Australia's border closures in 2020 disrupted a large cohort of international students who had departed the country or were intending to arrive for studies. It is likely that the impact of COVID-19 on enrolments (given cancellations and deferrals) will not be fully observed until 2021.

Chart 1: IET enrolments by sub-sector, 2020



Source: Australian Government Department of Education, Skills and Employment, international student enrolment data. Enrolments in December each year.

Enrolments by source market

The largest source markets for international student enrolments in Toowoomba were **India** and **Nepal**, which together accounted for **46% of total enrolments in 2020**.

Compared to the other regions in Queensland, Toowoomba as a region attracts higher share of students from India, Nepal and China.



Two of Toowoomba's top ten source markets recorded growth in IET enrolments in 2020. These were Nepal (26%) and Hong Kong (8%).

Table 2: Enrolments in top five source markets, 2019 to 2020

Country	2019		2020		Growth (share)	
	Enrolments	Share	Enrolments	Share		
India	663	31%	India	585	30%	↓
China	251	12%	Nepal	310	16%	↑
Nepal	246	11%	China	229	12%	—
Hong Kong	77	4%	Hong Kong	83	4%	—
South Korea	72	3%	South Korea	63	3%	—
Total	1,309	61%	1,270	65%	↑	

Source: Australian Government Department of Education, Skills and Employment.



65%

The share of total enrolments attributable to the top five source markets, higher than the Queensland total of 55%.

Source market concentration

Overall, Toowoomba **is the third most concentrated IET sector in Queensland**, with a diversity index score of **1,343** in 2020*. In 2020, Toowoomba has become slightly more concentrated, with the diversity index increasing from 1,320 in 2019.

This was driven by an increased concentration of enrolments in Toowoomba's top five source markets, which have increased to account for 65% of enrolments in 2020, relative to 61% in 2019.

The top five source markets accounted for **65%** of IET enrolments in Toowoomba, compared to 55% for Queensland.



*Deloitte Access Economics measures the degree of enrolment source market concentration within a region by the Herfindahl-Hirschman index. This is defined as the sum of square of the source market shares of enrolments. The index can range from 0 to 10,000, with a low index suggesting that enrolments in the IET sector are spread over a diverse range of source markets. This can make the sector more resilient to shocks in the global market.

Regional concentration

Geographically, Toowoomba accounted for **1.5% of IET enrolments in Queensland in 2020**.



Enrolments



Export revenue



Capacity



Contribution



Key industries

Export revenue



\$106.1m

Export revenue in 2020

Total export revenue from international student expenditure on tuition fees and goods and services was **\$106.1 million in 2020**.

The HE sub-sector made the largest contribution to revenue in Toowoomba, with \$98.5 million revenue for 2020, constituting 92.8% of total IET export revenue.



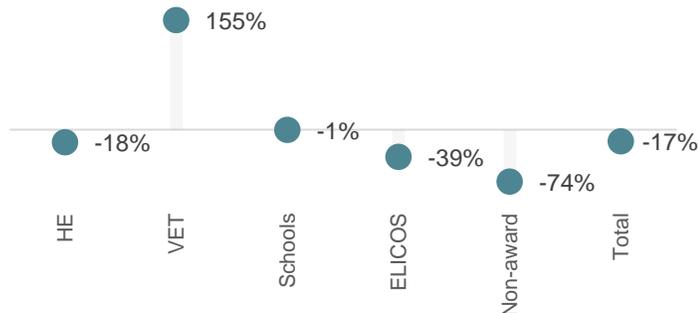
-16.9%

decline in export revenue from 2019 to 2020

Overall, export revenue declined 16.9% from 2019 to 2020.

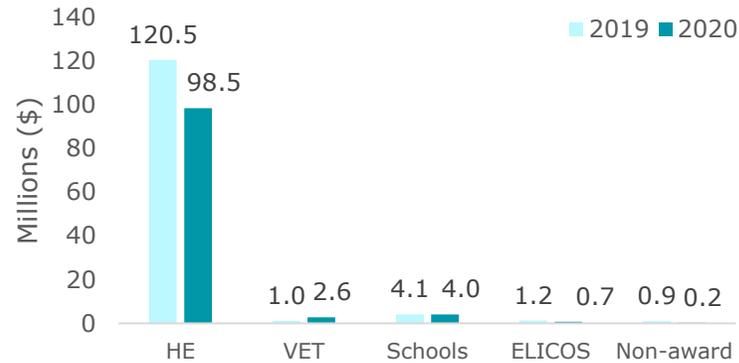
Export revenue declined at a faster rate than enrolments partly due to an increased proportion of student holders being located offshore.

Chart 3: Growth rate (%) of export revenue by IET sub-sector, 2019 to 2020



Source: Australian Bureau of Statistics, Australian Government Department of Education, Skills and Employment, Deloitte Access Economics estimates.

Chart 4: IET revenue by sub-sector, 2019 and 2020 (\$m)



Source: Australian Bureau of Statistics, Australian Government Department of Education, Skills and Employment. Deloitte Access Economics estimates. Note: 2020 calendar year values are estimated given that some datasets have not yet been released – see the “Methodology” section for more information.

Chart 5: IET export revenue from 2018 to 2020 (\$m)



Source: Australian Bureau of Statistics, Australian Government Department of Education, Skills and Employment. Deloitte Access Economics estimates.

Regional breakdown

Toowoomba was the fourth largest segment of the Queensland IET sector, attracting **2.1% of export revenue** in 2020. Export revenue declined by **16.9%** in 2020.

Capacity of CRICOS providers



72%

Operating capacity of Toowoomba institutions

In 2020, there were approximately 18 CRICOS education providers in Toowoomba with a total capacity of 2,725 CRICOS registered places.*

Toowoomba’s educational institutions were operating at approximately 72% capacity in 2020.

Toowoomba is operating at the third highest capacity compared to other regions in the state, and higher than Queensland’s operating capacity of 60.4%. However, there exists capacity to facilitate further growth.

*Deloitte Access Economics uses CRICOS registered places as a measure of capacity and student enrolments as a measure of demand. Data current as of 30 July 2021.

ELICOS students on non-student visas



Non-student visas

In addition to international students on student visas, 43 international students on non-student visas (NSV) also chose to study in Toowoomba in 2020*.

Source: Economic impact in Queensland report, June 2021

Economic contribution of the IET sector

Direct economic contribution

The IET sector directly contributed **\$60.3 million** to the Toowoomba economy and supported **378 full-time equivalent (FTE)** jobs in 2020 (Table 1).

This represents the value of economic activity associated with businesses that directly supply goods and services to international students and their visitors.

Table 1: Direct economic contribution of the IET sector, 2020

	Value added (\$m)	Employment (FTE)
Student visa students	60.15	377
NSV ELICOS	0.08	1
VFRs	0.06	0
IET sector	60.29	378

Source: Deloitte Access Economics estimates.

Indirect economic contribution

The IET sector also indirectly contributed **\$19.7 million** and **130 jobs (FTE)** to Toowoomba in 2020. This represents the flow-on effects for industries that supply goods and services to the IET sector. This includes the maintenance services supplied to training providers, and the agricultural producers that restaurants source their food from.

Table 2: Indirect economic contribution of the IET sector, 2020

	Value added (\$m)	Employment (FTE)
Student visa students	19.62	129
NSV ELICOS	0.05	0.26
VFRs	0.04	0.22
IET sector	19.7	130

Source: Deloitte Access Economics estimates.

Total economic contribution



\$80m

Value added to the Toowoomba economy by the IET sector in 2020

In total, the IET sector contributed **\$80 million** and supported **508 full-time equivalent (FTE) jobs** in the Toowoomba regional economy in 2020. This represents a decline of **16.6%** in total value added contribution, and **20.2%** in employment from 2019.

Table 3: Growth in economic contribution of the IET sector, 2018 to 2020

	2018 to 2019	2019 to 2020
Value added	11%	-16.6%
Employment (FTE)	7%	-20.2%

Source: Deloitte Access Economics estimates; Australian Bureau of Statistics.

Key industries

The most significant industries supporting the IET sector in region are **education and training** (44%), **cafes, restaurants and takeaway food services** (7%), and **retail trade** (6%). Together, they comprised of 57% of Toowoomba export revenue from the IET sector.

Table 4: Employment breakdown by IET industry (economic contribution), 2020

Industry	Employment (FTE)
Accommodation	10
Cafes, restaurants and takeaway food services	36
Clubs, pubs, taverns and bars	16
Rail transport	1
Road transport and transport equipment rental	9
Air, water and other transport	1
Travel agency and tour operator services	-
Cultural services	2
Casinos and other gambling services	0
Other sports and recreation services	4
Retail trade	31
Education and training	221
All other industries	176

Source: Deloitte Access Economics estimates.

Frequently Asked Questions

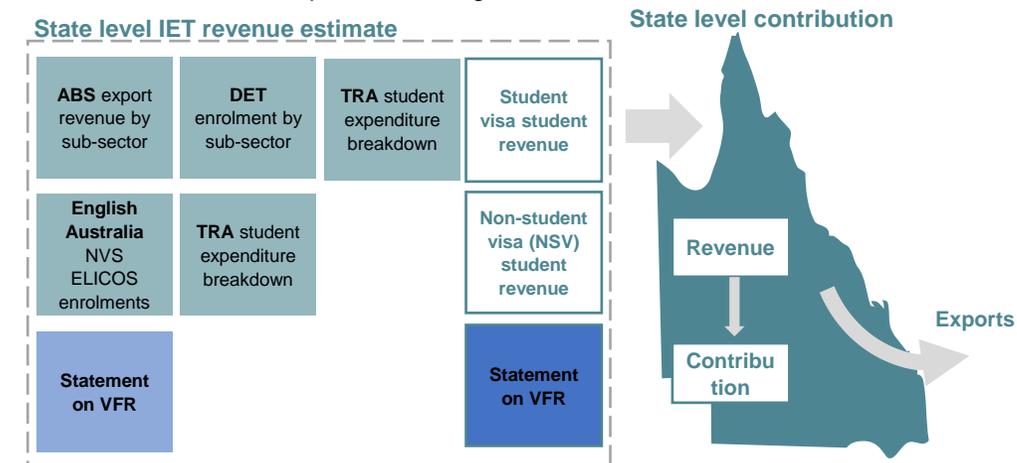
Methodology

Trade and Investment Queensland has worked with Deloitte Access Economics to produce consistent and comparable regional estimates of the contribution of IET to Queensland and its regions. The analysis has been informed by publicly available enrolment and expenditure data from the Department of Education, Skills and Employment (DESE), the Australian Bureau of Statistics (ABS), and Tourism Research Australia (TRA).

The ABS accounts for the impact of COVID-19 on IET export revenue by: (1) capturing the course fee of students studying offshore through 'correspondence courses' rather than 'education-related personal travel', (2) reflecting lower expenditure resultant from any students that have deferred their enrolments, and (3) reflecting any potential changes in students' expenditure on goods and services by using the latest TRA data on student expenditure.

The analysis focuses on the export revenue and economic activity associated with (1) onshore international students in Queensland, and (2) the additional cross-border delivery of international education to students offshore as a result of COVID-19 border closures. There is a high degree of uncertainty over the export revenue associated with cross-border IET due to limited publicly available information. Consequently, a simplifying assumption based on higher education enrolments has been applied in determining their distribution in its regions.

The economic contribution is estimated by incorporating Deloitte Access Economics' integrated regional input-output model (DAE-IRIOM) with the Tourism Satellite Accounting framework, which is the internationally approved approach for measuring the economic contribution of tourism exports, including IET.



Using the results

For consistency in reporting, value added and employment (rather than export revenue) are the correct metrics to use in measuring the significance of the IET sector to a region. While it is appropriate to refer to the *total* value added and employment when referring to the overall size or contribution of the IET sector in a particular region, only the *direct* value added and employment figures should be used when comparing the IET sector against other industries within the same region.

Glossary

Contribution

<i>Direct contribution</i>	The contribution generated by direct transactions between the international student and the producer of goods and services. This includes their education fees, as well as living expenses.
<i>Indirect contribution</i>	The subsequent flow-on effects created by the requirement for inputs from those industries supplying goods and services to IET. For example, this might include the fresh produce supplied to supermarkets visited by students.
<i>Total contribution</i>	The sum of the direct and indirect contributions from IET.

Export revenue

The sales revenue received by the IET sector in providing goods and services to international students.

Value added

A measure of the sector's return on its capital and labour. It is the indication of the sector's value and contribution to the regional economy. Export revenue and value added should not be summed.

Visiting friends and relatives (VFR)

Visitors who specifically indicate in the International Visitor Survey that they are visiting Queensland for the purpose of visiting an international student studying in Queensland.

Non-student visa (NSV)

Refers to international students studying in Queensland who do not hold student visas, and can include students in ELICOS courses and on study tours. This analysis only quantifies the contribution of NSV ELICOS students.

Disclaimer

These are Deloitte Access Economics' estimates for international student enrolments and contribution based on the best available data. The results do not include the contribution to Queensland from international students studying elsewhere in Australia (e.g. through tourism).

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