

2018 Curriculum and Teaching Quality and Risk Appraisal (CTQRA) Enhanced Program Risk Model – Detailed Explanation

1. Background

CTQRA is a process to ensure that programs and courses are reviewed annually. The CTQRA process enables a focused evidence-based reflection on the overall quality of all teaching programs and courses. Internal and external standards and benchmarks as appropriate, such as the Go8 benchmarks and TEQSA's Risk Assessment Framework provide sources of evidence to inform the process.

Based on the feedback received during the 2017 CTQRA process, the Learning Analytics team made minor modifications to the 2018 CTQRA program risk calculations:

- For undergraduate programs, the data from the Graduate Outcomes Survey (GOS), that is 'Overall Satisfaction' and 'Full-Time Employment', will be compared to the Faculty and UQ benchmarks in the 2018 risk calculations. Risk scores were not given to these two indicators in the 2017 risk calculations since it was the first release of the GOS data in 2017.
- For postgraduate programs, the data from the Graduate Outcomes Survey (GOS), that is 'Overall Satisfaction' and 'Full-Time Employment' will be presented without the associated risk scores, as there are no Faculty and UQ benchmarks and we only have two years of data which is insufficient to calculate the benchmarks based on historical data for these risk indicators.

Figure 1 summaries the differences between the 2017 and 2018 program risk calculation models.

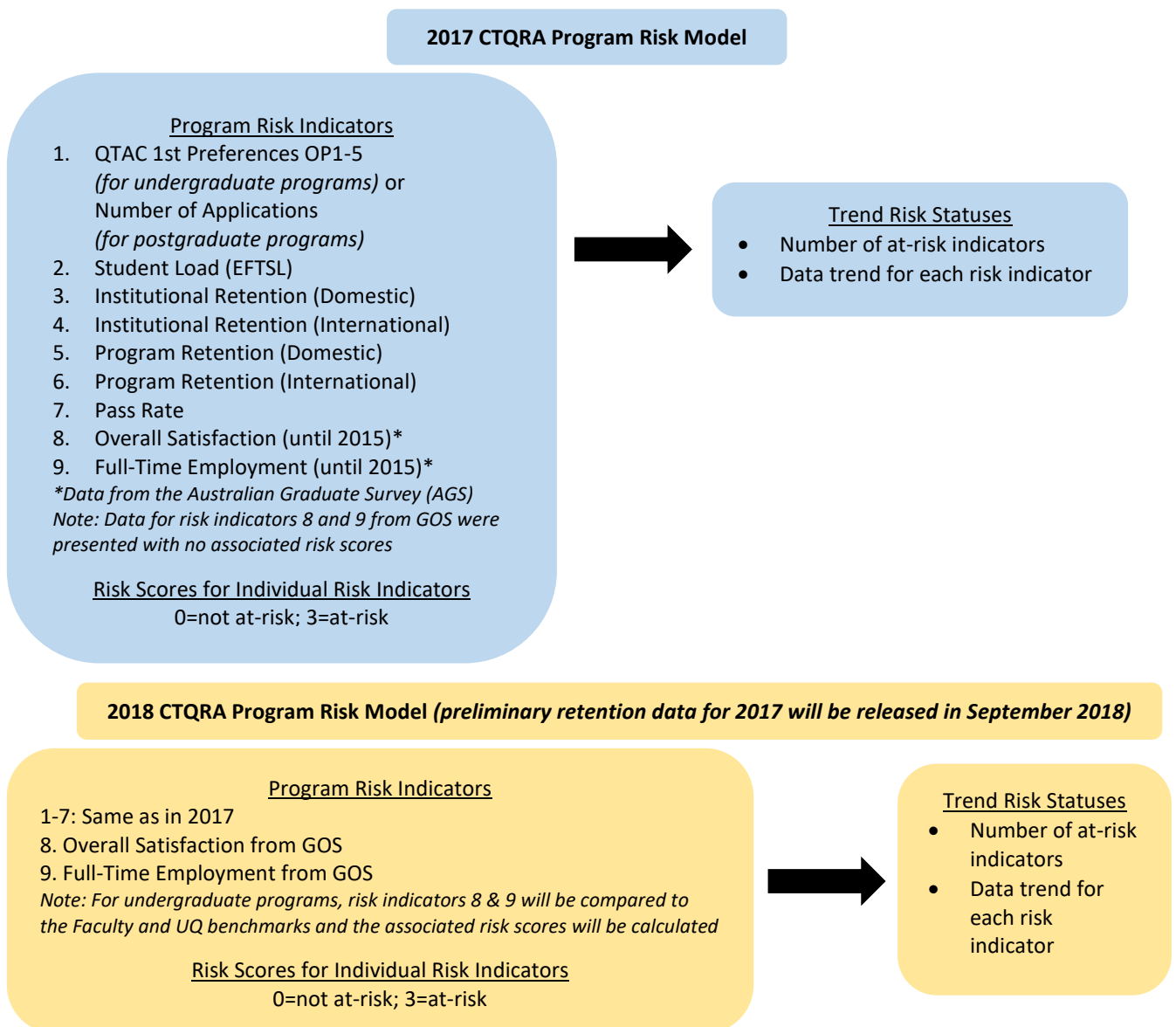


Table 1. Differences between the 2017 and 2018 program risk calculation for undergraduate programs. Highlighted areas showed the changes made in the 2018 program risk calculation

Risk Indicator	2017 Model	2018 Model
1. QTAC 1 st Preferences OP 1-5	At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
2. Student Load (EFTSL)	At-risk: >20% change Risk score: 0=not at-risk; 3=at-risk	At-risk: >20% change Risk score: 0=not at-risk; 3=at-risk
3. Institution Retention (Domestic)	At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
4. Institution Retention (International)	At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
5. Program Retention (Domestic)	Obtain the program retention value at 85% cut-off for each year <u>from 2011 to 2016</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	Obtain the program retention value at 85% cut-off for each year <u>from 2011 to 2017</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. Compare the 2018 calculated benchmark with the 2017 calculated benchmark, use whichever is higher. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
6. Program Retention (International)	Obtain the program retention value at 95% cut-off for each year <u>from 2011 to 2016</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	Obtain the program retention value at 95% cut-off for each year <u>from 2011 to 2017</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. Compare the 2018 calculated benchmark with the 2017 calculated benchmark, use whichever is higher. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
7. Pass Rate	At-risk: <70% Risk score:0=not at-risk; 3=at-risk	At-risk: <70% Risk score:0=not at-risk; 3=at-risk
8. Overall Satisfaction	For data until 2015 from AGS, At-risk: <Established Faculty/UQ benchmark Risk score:0=not at-risk; 3=at-risk For data in 2016 from GOS, they were presented with no associated risk scores.	For data in 2017 from GOS, At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
9. Full-Time Employment	For data until 2015 from AGS, At-risk: <Established Faculty/UQ benchmark Risk score:0=not at-risk; 3=at-risk For data in 2016 from GOS, they were presented with no associated risk scores.	For data in 2017 from GOS, At-risk: <Established Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk

Table 2. Differences between the 2017 and 2018 program risk calculation for postgraduate programs. Highlighted areas showed the changes made in the 2018 program risk calculation.

Risk Indicator	2017 Model	2018 Model
1. Number of Applications	At-risk: >10% change Risk score: 0=not at-risk; 3=at-risk	At-risk: >10% change Risk score: 0=not at-risk; 3=at-risk
2. Student Load (EFTSL)	At-risk: >20% change Risk score: 0=not at-risk; 3=at-risk	At-risk: >20% change Risk score: 0=not at-risk; 3=at-risk
3. Institution Retention (Domestic)	Obtain the institution retention value at 90% cut-off for each year <u>from 2011 to 2016</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	Obtain the institution retention value at 90% cut-off for each year <u>from 2011 to 2017</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. Compare the 2018 calculated benchmark with the 2017 calculated benchmark, use whichever is higher. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
4. Institution Retention (International)	Obtain the institution retention value at 95% cut-off for each year <u>from 2011 to 2016</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	Obtain the institution retention value at 95% cut-off for each year <u>from 2011 to 2017</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. Compare the 2018 calculated benchmark with the 2017 calculated benchmark, use whichever is higher. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
5. Program Retention (Domestic)	Obtain the program retention value at 95% cut-off for each year from 2011 to 2016. Then, calculate the mean for the benchmark for each Faculty and UQ. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	Obtain the program retention value at 95% cut-off for each year <u>from 2011 to 2017</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. Compare the 2018 calculated benchmark with the 2017 calculated benchmark, use whichever is higher. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
6. Program Retention (International)	Obtain the program retention value at 95% cut-off for each year from 2011 to 2016. Then, calculate the mean for the benchmark for each Faculty and UQ. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk	Obtain the program retention value at 95% cut-off for each year <u>from 2011 to 2017</u> . Then, calculate the mean for the benchmark for each Faculty and UQ. Compare the 2018 calculated benchmark with the 2017 calculated benchmark, use whichever is higher. At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk
7. Pass Rate	At-risk: <85% Risk score: 0=not at-risk; 3=at-risk	At-risk: <85% Risk score: 0=not at-risk; 3=at-risk

8. Overall Satisfaction	<p>Obtain the program retention value at 90% cut-off for each year from 2011 to 2016. Then, calculate the mean for the benchmark for each Faculty and UQ</p> <p>For data until 2015 from AGS, At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk</p> <p>For data in 2016 from GOS, they were presented with no associated risk scores.</p>	<p>For data in 2017 from GOS, they are presented without the associated risk scores, as there are no Faculty and UQ benchmarks and we only have two years of data which is insufficient to calculate the benchmarks based on historical data for this risk indicator.</p>
9. Full-Time Employment	<p>Obtain the program retention value at 80% cut-off for each year from 2011 to 2016. Then, calculate the mean for the benchmark for each Faculty and UQ</p> <p>For data until 2015 from AGS, At-risk: <Calculated Faculty/UQ benchmark Risk score: 0=not at-risk; 3=at-risk</p> <p>For data in 2016 from GOS, they were presented with no associated risk scores.</p>	<p>For data in 2017 from GOS, they are presented without the associated risk scores, as there are no Faculty and UQ benchmarks and we only have two years of data which is insufficient to calculate the benchmarks based on historical data for this risk indicator.</p>

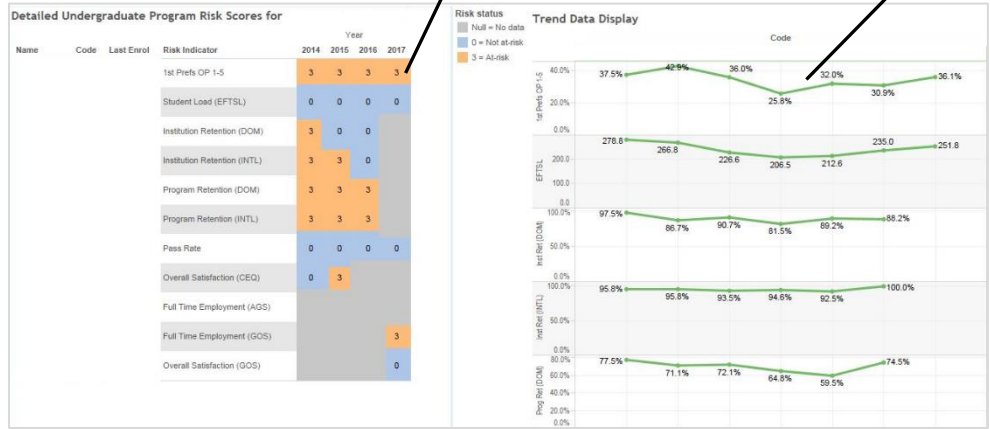
1. The 2018 Enhanced Program Risk Model and Program Dashboards

- QTAC 1st Preferences OP1-5 (undergraduate)/ No. of Applications (postgraduate)
- Student Load (EFTSL)
- Institution Retention (Domestic)
- Institution Retention (International)
- Program Retention (Domestic)
- Program Retention (International)
- Pass Rate
- Overall Satisfaction (GOS)
- Full-Time Employment (GOS)

1. Determine if each risk indicator reached the KPI/benchmark
(if reached, risk status = 0 (not at-risk);
Did not reach, risk status = 3 (at-risk)

2. Count the number of at-risk indicators for each year

3. Data trend for each risk indicator



Step 1: Determine if each risk indicator reached the Faculty/UQ benchmark

Step 2: Count the number of at-risk indicators for each year

Using an undergraduate program as an example, a risk score of 0=not at-risk (reached benchmark) or 3=at-risk (did not reach benchmark) is assigned to each risk indicator based on the Faculty benchmarks as follows:

Program ABCD	2015 Value	2015 Faculty At-Risk Benchmark	2015 Risk Score	2016 Value	2016 Faculty At-Risk Benchmark	2016 Risk Score	2017 Value	2017 Faculty At-Risk Benchmark	2017 Risk Score
1. QTAC 1 st Preference OP 1-5	40.8%	42.6%	3	44.5%	45.3%	3	46.0%	45.3%	0
2. Student Load (EFTSL)	↓6%	>20% Change	0	↓25%	>20% Change	3	↓18%	>20% Change	0
3. Institution Retention (Domestic)	77.4%	76.8%	0	79.4%	78.6%	0	76.2%	<i>Preliminary retention data for 2017 will be released in September 2018</i>	
4. Institution Retention (International)	90.8%	91.7%	3	91.4%	92.5%	3	91.8%		
5. Program Retention (Domestic)	78.1%	80.4%	3	79.4%	82.7%	3	81.4%		
6. Program Retention (International)	93.4%	92.3%	0	91.6%	93.2%	3	94.0%		
7. Pass Rate	63%	<70%	3	75%	<70%	0	75%	<70%	0
8. Overall Satisfaction (CEQ) for 2015 only Overall Satisfaction (GOS) for 2017 onwards	82.7%	84.6%	3	-	-	-	85.0%	84.8%	0
9. Full-Time Employment (AGS) until 2015 Full-Time Employment (GOS) for 2017 onwards	61.7%	62.8%	3	-	-	-	63.7%	65.9%	3
Number of at-risk indicators			6 out of 9			5 out of 7			

Step 3: Data trend for each risk indicator

Data from 2011 to 2017 for each risk indicator and their relevant benchmarks are shown in the 'Trend Data Display' Program Dashboard (Trend Data Display).