

Curtin’s key performance indicators

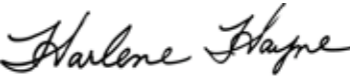
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Certification of key performance indicators

We hereby certify that the performance indicators are based on proper records, are relevant and appropriate for assisting users to access Curtin University’s performance, and fairly represent the performance of Curtin University for the financial year ended 31 December 2021.



Dr Andrew Crane
Chancellor



Professor Harlene Hayne
Vice-Chancellor

On behalf of the University Council Dated this 16th day of March 2022

Introduction

Curtin’s mission statement, *to transform lives and communities through education and research*, reflects the University’s purpose. To achieve this mission and its 2030 vision to be a recognised global leader in research, education and engagement, the University assesses performance across a series of outcome components and key performance indicators related to: student demand for Curtin courses; the experience of its students; the reputation of its graduates; research performance; industry engagement; staff engagement; diversity and equity; global reputation; and the financial sustainability of its teaching and learning activities. These are set out in a balanced scorecard framework over six Strategic Plan themes to provide a holistic view of the University’s performance.

The selection of indicators reflects those that are designed to demonstrate progress towards achieving targets as outlined in Curtin’s Strategic Plan (2017–2022). Performance indicators are classified as either *effectiveness* or *efficiency*.

A summary of the Outcome Components and Key Performance Indicators is provided below.

Outcome Components Key Performance Indicators

Learning and Student Experience

1. Student Experience	1.1 Student satisfaction (SES) – undergraduate students
	1.2 Retention rate – undergraduate students
2. Student Demand and Quality	2.1 Curtin market share of WA university students - total commencements
3. Graduate Outcomes	3.1 Domestic graduate employment rates
4. Student Equity	4.1 Percentage of total domestic enrolments – regional and remote students
	4.2 Total enrolments – Aboriginal and Torres Strait Islander students

Research and Innovation

5. Research Performance	5.1 Publications per Research Only/Teaching and Research staff FTE
	5.2 Total research income (Category 1 – 4)
	5.3 Completion numbers – Higher Degree by Research (HDR) students

Engagement and Impact

6. Industry Engagement	6.1 Category 3 and 4 industry income and industry scholarships
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People and Culture

7. Staff Engagement	7.1 Staff engagement survey results
8. Diversity and Equity	8.1 Number of Aboriginal and Torres Strait Islander staff and internships
	8.2 Staff gender balance

Global Positioning

9. International Reputation	9.1 International co-authorship
	9.2 Academic Ranking of World Universities (ARWU) ranking

Sustainable Future

10. Financial Sustainability	10.1 Teaching and Learning (T&L) expenditure per EFTSL
	10.2 Revenue from non-Commonwealth sources

Learning and Student Experience

Outcome Component: 1. Student Experience

As a destination of choice for students, Curtin is committed to offering an educational experience that is richly interactive, engaging and fully prepares students for the complex environments in which they will live and work.

This effectiveness indicator provides an insight into the quality of overall student experience. The Student Experience Survey (SES) provides benchmarking opportunities to track performance against other Australian universities. These findings are useful for the University to review and improve its learning and teaching quality and the educational experience at Curtin. Student satisfaction with courses provides insight into the quality of the student experience.

Key Performance Indicator: 1.1 Student Satisfaction (SES) – Undergraduate Students

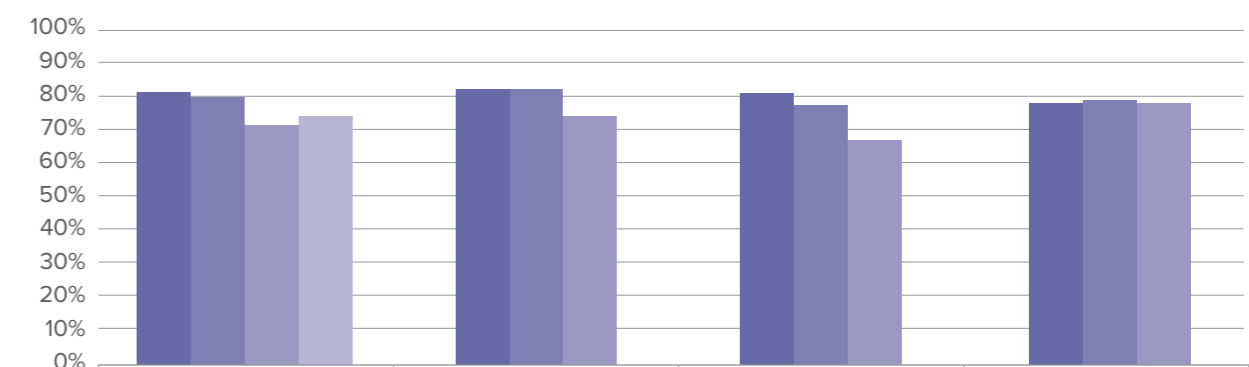
Classification: Effectiveness measure

Benchmark gauge: SES data on WA universities, Australian Technology Network (ATN) universities and the Higher Education sector.

The Social Research Centre (SRC)¹ collects SES information from first year and final year onshore undergraduates on their student experience. In 2018, onshore postgraduates were surveyed for the first time. For consistency, the SES results below reflect the views of onshore undergraduates only. The SES measures five aspects of the student experience and includes an additional single item measure of overall student satisfaction with the quality of their educational experience. This question reads ‘Thinking about your <course>, overall how would you rate the quality of your entire educational experience this year?’ A student is considered satisfied if they answered either ‘Good’ or ‘Excellent’².

The quality of Curtin’s educational experience has consistently been above the ATN and Sector averages; however lower than the WA average. Across the sector, COVID-19 disruptions resulted in significantly weaker performance in 2020 and 2021; however satisfaction among Curtin’s undergraduate cohort has shown improvement in 2021. The 2021 national data is not yet available.

Student Satisfaction (SES) – Undergraduate Students



	Curtin	WA	ATN ⁽⁵⁾	Sector
2018	81.6% 9 th	82.6%	80.9%	79.2%
2019	80.0% 11 th	82.4%	78.6%	78.4%
2020	71.7% 12 th	73.8%	67.7%	68.3%
2021	73.3% ⁽³⁾ na ⁽⁴⁾	na ⁽⁴⁾	na ⁽⁴⁾	na ⁽⁴⁾
2020 Target	Top 10 in Aus.			
2021 Target	80.0%.			

Data source: 2018–2021 Curtin data, Curtin Tableau Report prepared and issued by the SRC; 2018–2020 WA, ATN and Sector averages derived by Curtin’s Market and Institutional Research (MIR) team, Office of Strategy and Planning, using national datasets supplied by the SRC.

Notes:

- (1) The Social Research Centre is an external organisation who provide the Australian social research community with access to research services (<https://www.srcentre.com.au>).
- (2) The survey categories include: Excellent; Good; Fair; and Poor.
- (3) In 2021 the number of domestic Curtin survey respondents was 6,292, domestic Curtin graduate population size was 16,219, and the response rate was 38.8 per cent. The margin of error was +/-0.97 per cent at a 95 per cent confidence level.
- (4) Benchmark data for 2021 is not yet available due to timing of data collection and release by the SRC.
- (5) From 2018 onwards the ATN data excludes Queensland University of Technology (QUT) (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.

Learning and Student Experience (continued)

Key Performance Indicator: 1.2 Retention Rate – Undergraduate Students

Classification: Effectiveness measure

Benchmark gauge: WA universities, ATN universities and the Higher Education sector.

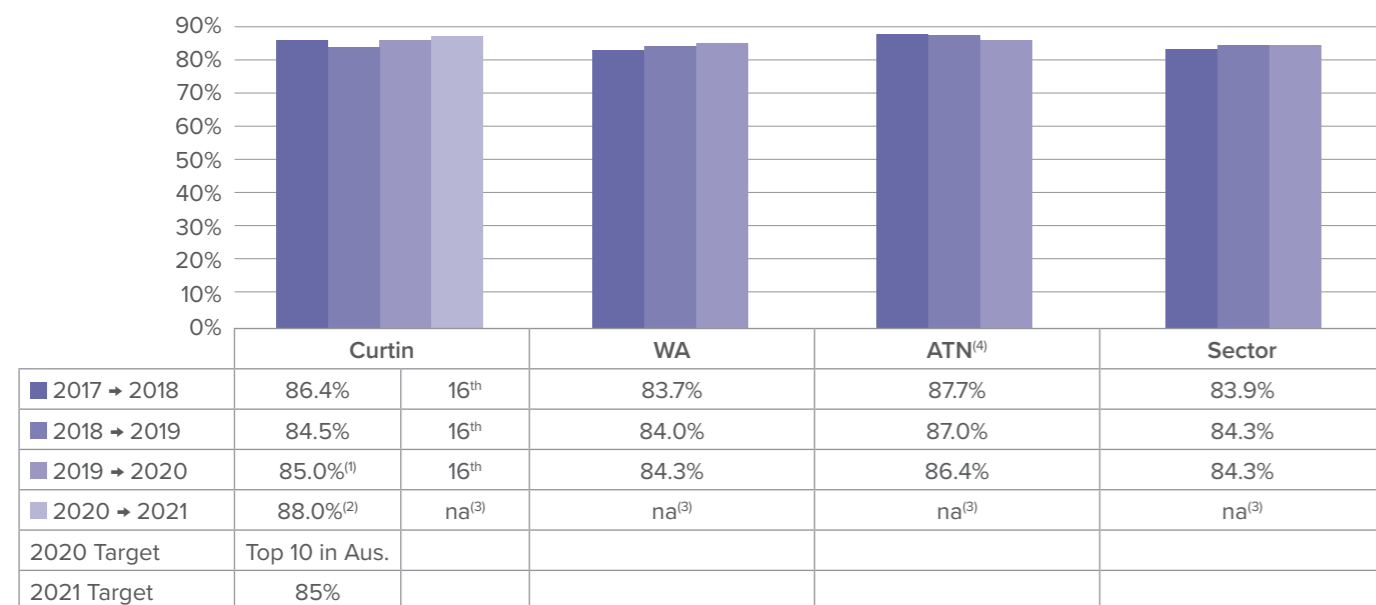
Minimising the attrition of students, as measured through student retention, allows the University to optimise its student load and revenue base, and ensures students can fulfil their ambitions to obtain a university qualification.

High numbers of students retained from one year to the next demonstrates a strong level of student engagement with their studies and provides a good indication that recruitment and support initiatives have been effectively deployed.

Retention is reported with a one-year lag and benchmark retention data is available only up to 2020. Retention rates are affected by a multitude of factors, including a student’s personal circumstances. Targets for retention rates are set to ensure Curtin’s performance remains at an acceptable level. The retention rate is calculated based on the student commencement cohort year (year 1) and those students retained in the following year (year 2).

The retention rate of undergraduate students continues to improve. Historically, benchmarking shows that Curtin has typically performed above the WA and Sector averages. The 2021 benchmark data is not yet available.

Retention Rate – Undergraduate Students



Data source: 2017–2020 Retention data, DESE; Curtin’s internal systems.

Notes:

- (1) The 2019->2020 metric has been restated due to an internal measure being used as an interim proxy.
- (2) The 2020->2021 percentage is derived using Curtin’s internal systems and may be restated in the following year once the DESE publish the final outcome.
- (3) Benchmark data for 2020->2021 is not available due to timing of data collection and release by DESE.
- (4) From 2018->2019 onwards QUT will be excluded from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.

Learning and Student Experience (continued)

Outcome Component: 2. Student Demand and Quality

Monitoring the market share of total commencements provides an assessment of the strength of student demand across all student cohorts. This reflects the value and reputation of Curtin courses in the WA university sector.

Key Performance Indicator: 2.1 Curtin Market Share of WA University Students – Total Commencements

Classification: Effectiveness measure

Benchmark gauge: Comparison of Curtin’s market share against previous years reflects the changes in demand for Curtin courses.

Total Commencements measures all commencing students (undergraduate, postgraduate and others) enrolled at one of the five universities in Western Australia as measured with data published by the Department of Education, Skills and Employment (DESE), Canberra. Curtin improved its WA market share from 32.8 per cent in 2019 to 34.2 per cent in 2020, which is reflective of the learning and teaching quality.

Curtin Market Share of WA University Students

	2018	2019	2020	2021	2020 Target	2021 Target
Total Commencements	33.2%	32.8%	34.2%	na ⁽¹⁾	40.0%	40.0%

Data source: 2017–2020 Total Commencements data, DESE.

Notes:

- (1) Total Commencements data for 2021 is not yet available due to timing of data collection and release by DESE.

Learning and Student Experience (continued)

Outcome Component: 3. Graduate Outcomes

Curtin aspires to have the highest graduate employment rates in WA. The vision for Learning and Student Experience is to lead in education innovation and prepare graduates with the skills needed for the future of work and those in demand by employers. The employment rate of graduates indicates the level to which Curtin graduates are career-ready and sought after by employers. It should be noted that graduate employment rates are affected by external factors, such as economic conditions and labour market cycles.

Key Performance Indicator: 3.1 Domestic Graduate Employment Rates

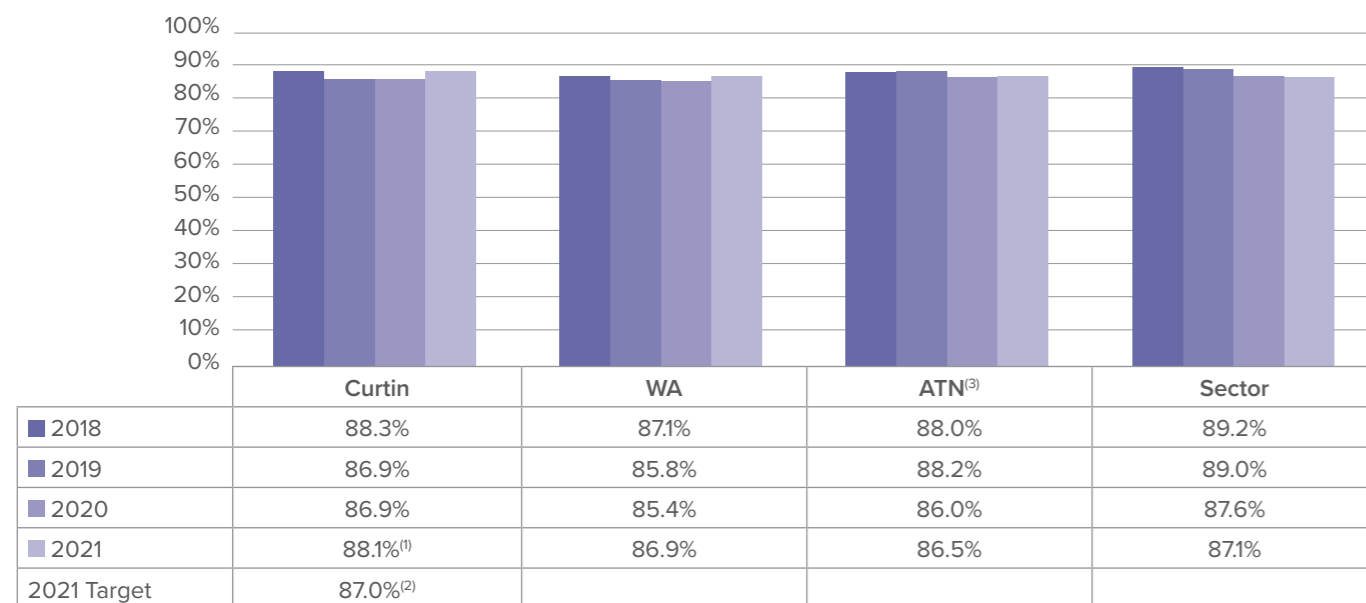
Classification: Effectiveness measure

Benchmark gauge: WA universities, ATN universities and the Higher Education sector.

The Graduate Outcomes Survey (GOS) is a national survey funded by the Australian Government DESE, which collects information on graduate labour market outcomes and further study activities. GOS is administered online to graduates of Australian higher education institutions about five months after their course completion at or via an Australian campus.

The domestic graduate employment rate has improved, up from 86.9 per cent in 2020 to 88.1 percent in 2021, with Curtin ranked the top public university in WA for domestic graduate employment rates and achieving above target in 2021.

Domestic Graduate Employment Rates



Data source: 2018–2021 Curtin, WA, ATN and Sector data, Curtin UA GOS Tableau Report prepared and issued by the SRC.

Notes:

- (1) In 2021 the number of domestic Curtin survey respondents was 2,218, domestic Curtin graduate population size was 5,667 and the response rate was 39.1 per cent. The margin of error was +/-1.62 per cent at a 95 per cent confidence level.
- (2) The 2020 target was previously based on Curtin's ranking of public universities; however the change to a percentage target for 2021 facilitates a continued improvement focus for Curtin.
- (3) From 2018 onwards QUT will be excluded from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 and are included in figures from 2021 onwards.

Learning and Student Experience (continued)

Outcome Component: 4. Student Equity

Curtin, through its Student Equity Strategy, is committed to enhancing opportunities for people from diverse backgrounds to participate and succeed in higher education. A range of initiatives specifically addressing community outreach, access to Curtin and student equity support have been undertaken to facilitate a higher education environment that is inclusive and supportive of students from disadvantaged backgrounds, including Aboriginal and Torres Strait Islander and those from regional or remote communities.

Market and economic conditions impact the ability for regional and remote students to attend university and will be reflected in the results.

Key Performance Indicator: 4.1 Percentage of Total Domestic Enrolments – Regional and Remote Students

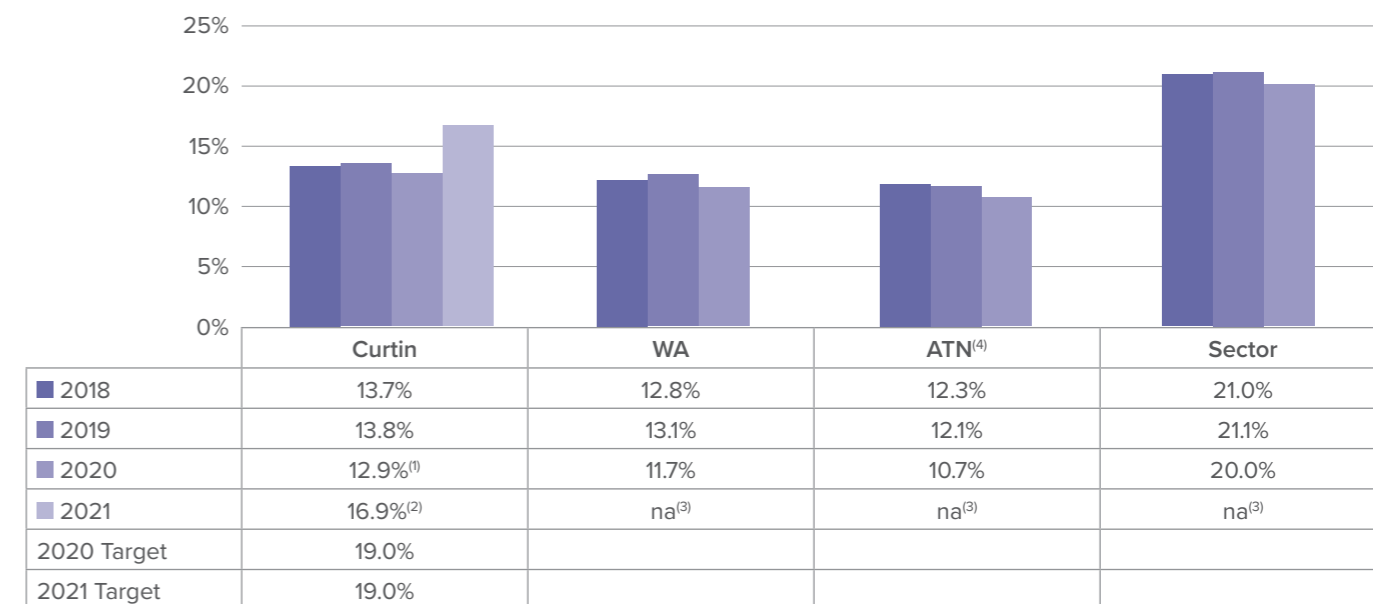
Classification: Effectiveness measure

Benchmark gauge: WA universities, ATN universities and the Higher Education sector.

Regional and remote student enrolments are measured as a proportion of total domestic enrolments. The categorisation takes into account whether a domestic student's permanent address is considered urban, regional or remote at the commencement of study.

The 2021 performance was below target; however Curtin has continued to perform ahead of the WA average, demonstrating a continued focus on attracting regional and remote students. Historical benchmarking shows that Curtin also typically performs above the ATN average.

Percentage of Total Domestic Enrolments – Regional and Remote Students



Data source: 2018–2020 Equity groups data, DESE; Curtin's internal systems.

Notes:

- (1) The 2020 metric has been restated due to an internal measure being used as an interim proxy.
- (2) The 2021 percentage is derived using Curtin's internal systems and may be restated in the following year once the DESE publish the final outcome.
- (3) Benchmark data for 2021 is not available due to timing of data collection and release by DESE.
- (4) 2019 onwards excludes QUT from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.

Learning and Student Experience (continued)

Key Performance Indicator: 4.2 Total Enrolments – Aboriginal and Torres Strait Islander Students

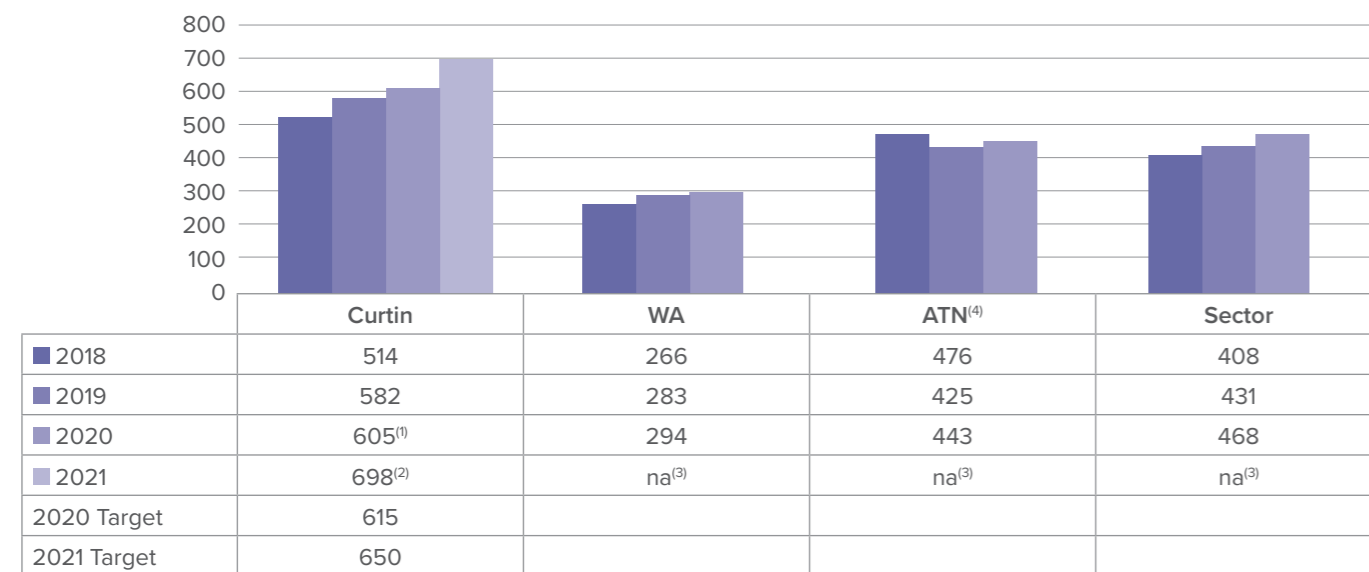
Classification: Effectiveness measure

Benchmark gauge: WA universities, ATN universities and the Higher Education sector.

This measure includes all Aboriginal and Torres Strait Islander students enrolled at Curtin, both undergraduate and postgraduate.

In 2021, the University achieved an increase in its overall Aboriginal and Torres Strait Islander enrolment numbers from 2020, which was well above the target. Historical trends show that Curtin has been performing above the WA, ATN and sector averages for this measure.

Total Enrolments – Aboriginal and Torres Strait Islander students



Data source: 2018–2020 Aboriginal and Torres Strait Islander student data, DESE; Curtin's internal systems.

Notes:

- (1) The 2020 metric has been restated due to an internal measure being used as an interim proxy.
- (2) The 2021 figure is derived using Curtin's internal systems and may be restated in the following year once the DESE publish the final outcome.
- (3) Benchmark data for 2021 is not available due to timing of data collection and release by DESE.
- (4) 2019 onwards excludes QUT from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.

Research and Innovation

Outcome Component: 5. Research Performance

To be a leading international university, Curtin must have strong research capability and performance.

Curtin's research performance is dependent on its capacity to conduct research activities. The number of publications produced by research-active staff and Higher Degree Research completions are an indication of research intensity and productivity.

Research income is an indicator of the University's ability to attract research funding in a competitive environment and provides a proxy measure for national and international research performance.

Key Performance Indicator: 5.1 Publications per Research Only/Teaching and Research Staff FTE

Classification: Efficiency measure

Benchmark gauge: ATN universities and the Higher Education sector.

This measure provides an indication of the research productivity of Curtin research staff.

Publications are classified as the number of items in Clarivate's Web of Science Core Collection indices with document type "Article" or "Review" via InCites*. Staff full-time equivalent (FTE) includes all staff in "Teaching and Research" and "Research Only" functions. Staff FTE for the "Teaching and Research" function is calculated at 40 per cent of total FTE for the research function.

Publication output per research staff FTE has plateaued in 2020 at 5.3. Historical trends show that Curtin continues to track above ATN and sector averages. The results are in line with Curtin's research strategic direction to focus on encouraging and supporting quality research outputs. Due to a one-year data lag, data is only available up to 2020.

Publications per Research Staff FTE

Publications per Research Staff FTE	2018	2019	2020	2021	2020 Target	2021 Target
Curtin	4.4	5.3	5.3	na ⁽²⁾	4.5	4.5
Average ATN Universities ⁽¹⁾	3.2	3.7	3.7	na ⁽²⁾		
Average Sector	2.7	3.0	3.1	na ⁽²⁾		

Data source: 2018–2020 Publications InCites dataset, Web of Science schema; 2018–2020 Staff FTE data, DESE.

* InCites is an external tool which collates comprehensive citation data and is used to measure Curtin performance against other institutions.

Notes:

- (1) 2019 onwards excludes QUT from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.
- (2) 2021 is not yet available due to timing of data collection.

Research and Innovation (continued)

Key Performance Indicator: 5.2 Total Research Income (Category 1 – 4)

Classification: Effectiveness measure

Benchmark gauge: ATN universities and the Higher Education sector.

Research and development (R&D) income is an indicator of the University's effectiveness in attracting research funding in a competitive environment and provides a proxy measure for national and international research reputation. Success in attaining external funding to support the University's research is a qualitative measure of achievement. R&D income consists of four Higher Education Research Data Collection (HERDC) categories:

Category 1 – Australian Competitive Grant R&D Income

Category 2 – Other Public Sector R&D Income

Category 3 – Industry and Other R&D Income

Category 4 – Cooperative Research Centre (CRC) R&D Income

Research performance outcomes are being targeted through strategic support for grant proposals, recruitment of high performing researchers, and improved success in Australian Research Council (ARC) fellowship and grant programs. These strategies are delivering improved research income performance.

As research income data is reported with a year lag, data is only available up to 2020. Curtin's research income has continued to increase and exceeded the 2020 target of \$100.0m. The University exceeded the ATN average; however was behind the sector average in 2020. Curtin's rank declined by one place to 11th nationally in 2020.

Total Research Income (HERDC Category 1–4)

Total Research Income (HERDC Category 1-4)	2018	2019	2020	2021	2020 Target	2021 Target
Curtin	\$93.5m	\$109.1m	\$111.3m	na ⁽²⁾	\$100.0m	\$105.0m
Average ATN Universities ⁽¹⁾	\$79.9m	\$85.9m	\$90.6m	na ⁽²⁾		
Average Sector	\$99.3m	\$109.1m	\$121.6m	na ⁽²⁾		
All Australian Rank	12	10	11	na ⁽²⁾		

Data source: 2018–2020 Research income data, DESE.

Notes:

(1) 2019 onwards excludes QUT from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.

(2) Data for 2021 is not available due to timing of data collection and release by DESE.

Research and Innovation (continued)

Key Performance Indicator: 5.3 Completion Numbers – Higher Degree by Research (HDR) Students

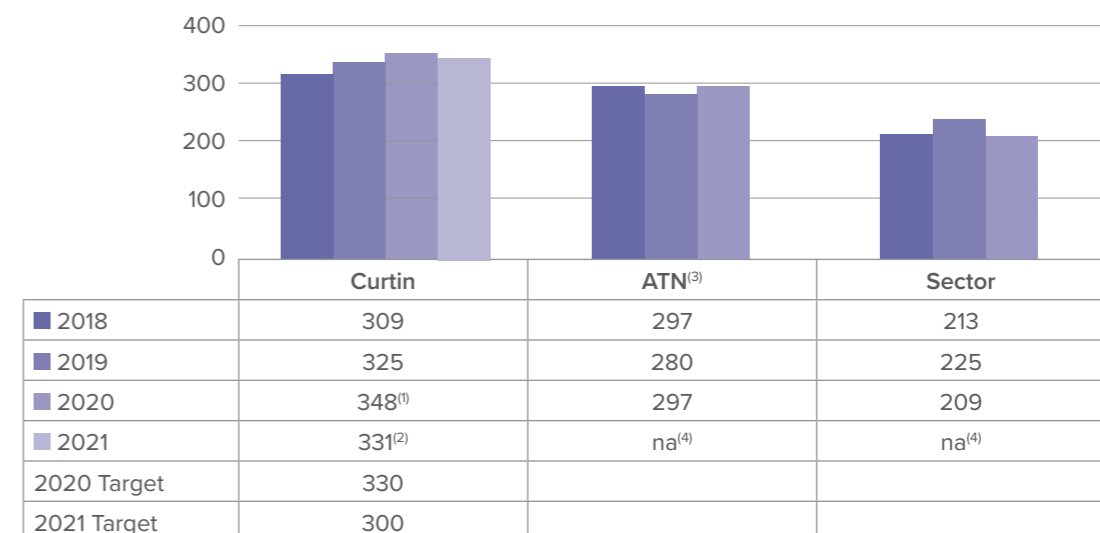
Classification: Effectiveness measure

Benchmark gauge: ATN universities and the Higher Education sector.

HDR Completions measures those students who completed their studies in a research Masters or Doctorate program. It is an important measure in determining future research training funding amounts from the Commonwealth government. HDR Completions also provides Curtin with an opportunity to benchmark its research productivity to other leading Australian universities.

Curtin had 331 HDR completions in 2021, which was above the target of 300. Benchmark data for 2021 is not yet available; however historical trends show that Curtin is typically ahead of ATN and sector averages for HDR completion numbers.

Completion Numbers – HDR Students



Data source: 2018–2020 Award course completions data, DESE; Curtin's internal systems.

Notes:

(1) The 2020 metric has been restated due to an internal measure being used as an interim proxy.

(2) The 2021 figure is derived using Curtin's internal systems and may be restated in the following year once the DESE publish the final outcome. Data shows headcount.

(3) 2019 onwards excludes QUT from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.

(4) Benchmark data for 2021 is not available due to timing of data collection and release by DESE.

Engagement and Impact

Outcome Component: 6. Industry Engagement

Engaging with industry provides Curtin with enhanced opportunities for undertaking research projects funded by industry, addressing industry challenges that result in outcomes that have both economic and community benefits. Industry-funded scholarships assist students financially and also provide vital access to work experience opportunities and industry mentors, thereby improving the overall educational experience.

Key Performance Indicator: 6.1 Category 3 and 4 Industry Income and Industry Scholarships

Classification: Effectiveness measure

Benchmark gauge: WA universities, ATN universities and the Higher Education sector.

Industry-related research income is measured by HERDC income Category 3 (Industry and Other Funds) and Category 4 (Cooperative Research Centres), measured in AUD million in the year in which it is earned. Money received from industry for funding various domestic undergraduate and postgraduate coursework scholarships is also used as an indicator of industry engagement.

As research income data is reported with a year lag, data is only available up to 2020. Curtin attained the 2020 target of \$40.0m despite COVID-19 challenges, achieving \$46.8m for the year. Curtin has historically tracked above the WA and ATN averages, and in 2020, achieved above the WA, ATN and sector averages.

Industry Income (Category 3 – 4) and Industry Scholarships

Industry Income (Category 3-4) and Industry Scholarships	2018	2019	2020	2021	2020 Target	2021 Target
Curtin	\$31.2m	\$31.5m	\$46.8m	na ⁽²⁾	\$40.0m	\$40.0m
Average WA Universities	\$22.6m	\$25.8m	\$33.3m	na ⁽³⁾		
Average ATN Universities ⁽¹⁾	\$30.1m	\$32.7m	\$36.8m	na ⁽³⁾		
Average Sector	\$34.1m	\$38.0m	\$41.8m	na ⁽³⁾		

Data source: 2018–2020 Research income data, DESE; 2018–2020 Scholarship data Curtin's internal systems.

Notes:

- (1) 2019 onwards excludes QUT from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.
 (2) 2021 Research income data is unavailable due to timing of data collection and release by DESE.
 (3) Benchmark data for 2021 is not available due to timing of data collection and release by DESE.

People and Culture

Outcome Component: 7. Staff Engagement

During 2018, a decision was made to redesign the approach and develop an in-house staff survey. The previous YourVoice survey was administered by an outsourced external provider.

The new staff engagement survey was developed in July 2019 to replace the existing YourVoice survey. The survey measures overall satisfaction and the level of staff engagement, an outcome component of the 2017–2022 Strategic Plan.

Key Performance Indicator: 7.1 Staff Engagement Survey Results

Classification: Effectiveness measure

Benchmark gauge: Not applicable

This staff engagement survey is conducted annually.

2021 staff engagement survey results show a decline against 2020 outcomes, with 69.8 per cent of staff indicating that they are overall satisfied compared to 73.1 per cent in 2020. Results remain below the target of 75.0 percent.

Staff Engagement Survey Results

	2019	2020	2021	2021 Target
Overall Staff Satisfaction ⁽¹⁾	72.9%	73.1%	69.8%	75.0%

Data source: Data compiled by the Office of Strategy and Planning.

Notes:

- (1) 2019-2021 staff engagement survey results are collected using Curtin's internal systems and includes all Australian campuses. In 2021 the number of Curtin staff survey respondents excluding sessionals and casuals (e.g. University Associates) was 2,562 from an eligible survey population of 3,471. A response rate of 73.8 per cent was recorded. The margin of error was +/-0.99 per cent at a 95 per cent confidence level.

People and Culture (continued)

Outcome Component: 8. Diversity and Equity

An increased number of Aboriginal and Torres Strait Islander people in the workforce is a key objective of the University and aligns to the Curtin Reconciliation Action Plan.

Increased participation of women in the workforce is part of the University's Equal Employment Opportunity Management Plan.

Key Performance Indicator: 8.1 Number of Aboriginal and Torres Strait Islander Staff and Internships

Classification: Effectiveness measure

Benchmark gauge: This indicator is an internal measure and there is no comparable data for benchmarking.

Aboriginal and Torres Strait Islander staff include Continuing/Fixed Term and Sessional/Casual staff. Internships includes Aboriginal and Torres Strait Islander students undertaking casual employment through Curtin's "Earn While You Learn" program and "Aboriginal and Torres Strait Islander Student Placement Program."

Building on the success of 2020, Curtin performed well in 2021 with 177 Aboriginal and Torres Strait Islander staff and interns, which was well above the target of 150 for 2021. Despite recruitment challenges as a result of COVID-19, the Aboriginal and Torres Strait Islander staff numbers reflect a continued focus for the University.

Number of Aboriginal and Torres Strait Islander Staff and Interns

	2018	2019	2020	2021	2021 Target
Aboriginal and Torres Strait Islander Staff and Interns ⁽¹⁾	116	145	148	177	150

Data source: 2018–2021 Aboriginal and Torres Strait Islander staff and interns data is derived from Curtin's internal systems.

Notes:

(1) Includes continuing, fixed term, sessional and casual staff.

People and Culture (continued)

Key Performance Indicator: 8.2 Staff Gender Balance

Classification: Effectiveness measure

Benchmark gauge: ATN universities and the Higher Education sector.

Staff gender balance is measured by the proportion of women (FTE) in senior positions, which are those who are in "Professional Higher Education Worker (HEW) Level ≥10" and "Academic Level E (ALE)" positions.

Curtin's percentage of women in professional HEW ≥ 10 positions increased between 2020 and 2021, but did not meet the 2021 target. Women in ALE positions declined between 2020 and 2021, also falling below the 2021 target. Curtin is currently below the ATN and sector averages and strategies are in place to support Curtin achieving the longer-term targets. A focus on academic promotion and career development and succession planning is expected to have a positive impact on the representation of women across Professional HEW ≥10 and ALE positions.

Women in Professional HEW ≥10 Positions

Women in Professional HEW ≥10 Positions	2018	2019	2020	2021	2021 Target
Curtin	36.8%	44.7%	44.4%	46.4%	48%-52%
ATN Average ⁽¹⁾	51.5%	51.3%	54.5%	55.2%	
Sector Average	51.5%	52.7%	53.3%	54.2%	

Women in Academic Level E Positions

Women in ALE Positions	2018	2019	2020	2021	2021 Target
Curtin	25.1%	26.9%	29.9%	26.0%	29.0%
ATN Average ⁽¹⁾	29.5%	30.8%	31.9%	33.6%	
Sector Average	28.2%	29.4%	30.5%	30.8%	

Data source 2018-2021 data, Australian Higher Education Industrial Association (AHEIA).

Notes:

(1) 2019 onwards excludes QUT from ATN data (QUT left the ATN in September 2018). Deakin joined the ATN in December 2020 so will be included in figures from 2021 onwards.

Global Positioning

Outcome Component: 9. International Reputation

To be a leading international university, Curtin must have strong research performance and enhance its international reputation through global collaborations and outreach.

Research outputs with international co-authors provide an indication of the level of international engagement of academic staff with their peers overseas. Steady and cumulative growth in such research outputs enhances the visibility of Curtin research and cements key relationships, which are key drivers for reputation, collaboration and citations.

Key Performance Indicator: 9.1 International Co-authorship

Classification: Effectiveness measure

Benchmark gauge: Higher Education sector.

Comparison of Curtin's percentage of international co-authorship reflects the level of international engagement of staff with peers overseas. The data is sourced from an external data source, InCites.

The measure details the percentage of total research publications ("Article" or "Review") which have at least one co-author with an international-only affiliation on the publication. The data and percentage of international co-authorship is sourced from the InCites dataset (Web of Science schema).

As international co-authorship data is reported with a year lag, data is only available up to 2020. Curtin has exceeded its target of 45.0% for 2020 with the percentage of international co-authorship reaching 67%. Curtin has historically remained above the sector average.

International Co-Authorship

% of International Co-authorship	2018	2019	2020	2021	2020 Target	2021 Target
Curtin	61%	65%	67%	na ⁽¹⁾	45%	55%
Sector Average	59%	61%	63%	na ⁽¹⁾		

Data source: 2020 Publications, InCites dataset, Web of Science schema.

Notes:

(1) 2021 is not yet available due to timing of data collection.

Key Performance Indicator: 9.2 Academic Ranking of World Universities (ARWU) Ranking

Classification: Effectiveness measure

Benchmark gauge: There are no comparable measures for WA or sector.

The ARWU uses six objective indicators to rank world universities, including the number of alumni and staff winning Nobel Prizes and Fields Medals, the number of highly cited researchers selected by Thomson Reuters, the number of papers published in *Nature* and *Science* journals, the number of papers indexed in Science Citation Index-Expanded and Social Science Citation Index, and the per capita academic performance of an institution. More than 1,800 universities are ranked by ARWU and the top 1,000 are published on the web. Rise in rank indicates the progress of Curtin in attaining leadership in research and education.

Curtin's performance in the ARWU ranking has remained relatively stable, with Curtin remaining at an estimated ranking of 9 nationally and declining slightly to an estimated 214 globally.

ARWU Ranking

	2018	2019	2020	2021	2021 Target
World Rank	151-200	201-300	201-300	201-300	Maintain/improve top 200 position
Estimated World Rank	181	212	211	214	
National Rank	9	9-15	9-15	9-15	Maintain top 10 position
Estimated National Rank	9	9	9	9	

Data source: 2018–2021 ARWU ranking data, ShanghaiRanking Consultancy; 2017–2021 estimated ranks are calculated by Curtin's Office of Strategy and Planning using publicly available scores and a factored calculation.

Sustainable Future

Outcome Component: 10. Financial Sustainability

To provide an excellent learning experience that is financially sustainable.

Key Performance Indicator: 10.1 Teaching and Learning (T&L) Expenditure per Equivalent Full-time Student Load (EFTSL)

Classification: Efficiency measure

Benchmark gauge: This indicator is an internal measure and there is no comparable data for benchmarking.

T&L expenditure relates to the teaching of Curtin's programs. Utilising the measure of average cost of teaching per EFTSL provides an indicator of efficiency. It is important to note that average expenditure per EFTSL is largely dependent on the mix of disciplines taught by an institution. Curtin's high representation of laboratory-based courses raises relative service delivery costs, as does the delivery of regional higher education programs in locations such as Kalgoorlie.

Due to the changing nature of business models for course delivery, a target for this measure has not been set.

Teaching and Learning Expenditure per EFTSL

	2018	2019	2020	2021
Teaching and Learning Expenditure (\$'000)	\$586,378	\$644,087	\$638,181	\$604,245
EFTSL	36,842	37,424	37,776	37,449
Teaching and Learning Expenditure per EFTSL	\$15,916	\$17,211	\$16,894	\$16,135

Data source: 2018–2021 data, Curtin's internal systems.

Key Performance Indicator: 10.2 Revenue from Non-Commonwealth Sources

Classification: Effectiveness measure

Benchmark gauge: This indicator is an internal measure and there is no comparable data for benchmarking.

This measure shows the percentage of funding that is not sourced from Australian Government Financial Assistance or Upfront Student HECS-HELP Contributions, as a measure of Curtin's long term financial sustainability.

Revenue from Non-Commonwealth Sources

	2018	2019	2020	2021	2020 Target	2021 Target
Non-Commonwealth Sources	42.3%	39.4%	37.9%	36.9%	44.0%	42.0%

Data source: 2018–2021 data, Curtin's internal systems.