



NEW ZEALAND QUALIFICATIONS AUTHORITY
MANA TOHU MĀTAURANGA O AOTEAROA

QUALIFY FOR THE FUTURE WORLD
KIA NOHO TAKATŪ KI TŌ ĀMUA AO!

Secondary Statistics Consolidated Files Summary

August 2020

Contents

Introduction	1
List of Files.....	2
Format of Files	3
Enrolment-Based Cohort	3
Cohort Warning.....	3
Suppression.....	3
Ethnicity	4
Attainment Rates	4
File Contents - NCEA and University Entrance Attainment Statistics.....	5
File Contents - Qualification Endorsement Attainment Statistics.....	7
File Contents - Level 1 Literacy and Numeracy Attainment Statistics.....	11
File Contents - Standard Attainment Statistics.....	14
File Contents - Scholarship Attainment Statistics.....	17

Introduction

Each year NZQA releases a set of files that are intended to provide data in a consolidated form to make it easier to do analysis.

There are a total of 20 files, with each file available in two different formats (see [Format of Files](#) on Page 3 for more details).

These files are grouped into:

- NCEA Levels 1, 2, and 3; and University Entrance attainment data
- NCEA Endorsement attainment data
- Literacy and Numeracy attainment data
- Standard attainment data
- Scholarship attainment data

Within each of these files (excluding Standard and Scholarship attainment data) the data will be provided nationally broken down by:

- Year Level
- Year Level, and Gender
- Year Level, and Ethnicity
- Year Level, and School Decile Band

For the Scholarship attainment data files, the data will be provided nationally broken down by:

- Subject
- Subject, and Gender
- Subject, and Ethnicity
- Subject, and School Decile Band

For the Standard attainment data files, the data will be provided nationally broken down by:

- Standard, and Standard Version
- Standard, Standard Version, and Gender
- Standard, Standard Version, and Ethnicity
- Standard, Standard Version, and School Decile Band

All files will include data for the previous ten academic years.



List of Files

NCEA and University Entrance Attainment Statistics files:

- National Qualification Attainment Statistics
- National Qualification Attainment Statistics, by Gender
- National Qualification Attainment Statistics, by Ethnicity
- National Qualification Attainment Statistics, by School Decile Band

NCEA Qualification Endorsement Attainment Statistics files:

- National Qualification Endorsement Attainment Statistics
- National Qualification Endorsement Attainment Statistics, by Gender
- National Qualification Endorsement Attainment Statistics, by Ethnicity
- National Qualification Endorsement Attainment Statistics, by School Decile Band

Level 1 Literacy and Numeracy Attainment Statistics files:

- National Level 1 Literacy and Numeracy Attainment Statistics
- National Level 1 Literacy and Numeracy Attainment Statistics, by Gender
- National Level 1 Literacy and Numeracy Attainment Statistics, by Ethnicity
- National Level 1 Literacy and Numeracy Attainment Statistics, by School Decile Band

Standard Attainment Statistics files:

- National Standard Attainment Statistics
- National Standard Attainment Statistics, by Gender
- National Standard Attainment Statistics, by Ethnicity
- National Standard Attainment Statistics, by School Decile Band

Scholarship Attainment Statistics files:

- National Scholarship Attainment Statistics
- National Scholarship Attainment Statistics, by Gender
- National Scholarship Attainment Statistics, by Ethnicity
- National Scholarship Attainment Statistics, by School Decile Band



Format of Files

The files are supplied in both Comma Separated (.csv) and Excel (.xlsx) formats. Each file contains a header record that provides the field names followed by the actual records.

In the Excel formatted files, all rates are provided as a percentage, rounded to one decimal place. In the Comma Separated files, all rates are provided as a proportion, rounded to three decimal places.

Formatting has been applied to the Excel files to enable filters, shade alternate rows, and other aspects, for ease of use. Comma Separated files are unformatted.

Enrolment-Based Cohort

NZQA and the Ministry of Education have developed an updated measure of attainment that is more precise. More information about this measure, and how it compares with the previous measure(s) can be found here:

<https://www.nzqa.govt.nz/studying-in-new-zealand/secondary-school-and-ncea/find-information-about-a-school/secondary-school-statistics/>

As part of this measure, students are categorised into various populations, these are:

- NZ Domestic Years 11-13
- NZ Domestic Years 14-15
- NZ Domestic Adults
- NZ Internationals
- School Years 1-10
- Pacific Island Schools
- Other

For the NCEA and University Entrance Attainment Statistics files, NCEA Qualification Endorsement Attainment Statistics files, and Level 1 Literacy and Numeracy Attainment Statistics files, only students from the Years 11-13 Domestic Students are included.

For the remainder of the files, students from all populations are included.

Cohort Warning

Each report also includes a “Cohort Warning” column, which advises where the figures were based on a small cohort (i.e. less than 30 students).

Figures based on a small cohort are more likely to be variable over time.

Suppression

Where the cohort size for a given record is less than five, all attainment figures have been suppressed (represented by a missing value) to protect students’ privacy.



Ethnicity

This data uses total response ethnicity; students who identified in more than one ethnic group have been counted in each ethnic group, but only once in totals.

Data by ethnicity should not be summed as this could lead to double counting of some students.

Attainment Rates

With these files (excluding Standard and Scholarship Attainment Statistics) two attainment rates are reported.

Cumulative Attainment Rate

- This attainment rate counts all students who had attained the qualification concerned by the end of the academic year being reported.

This is the default rate that is used when NZQA reports attainment data.

Current Year Attainment Rate

- To be counted in this attainment rate the student must have attained the qualification concerned within the academic year being reported.

The main difference between these two attainment rates is that the Cumulative Attainment Rate will include students who may have attained the qualification concerned in an earlier year, whereas the Current Year Attainment Rate would not include those students. Therefore, in general, the cumulative attainment rate will be higher than the current year attainment rate.

See [File Contents - Standard Attainment Statistics](#) on Page 14, and [File Contents - Scholarship Attainment Statistics](#) on Page 17 for the attainment rates included within these file groups.



File Contents- NCEA and University Entrance Attainment Statistics

These files contain figures for attainment of NCEA Levels 1, 2 and 3, and University Entrance.

File Name Structure:

- Qualification-Attainment-Statistics-National-xxxx-yyyymmdd.xlsx/.csv
- Qualification-Attainment-Statistics-National-Ethnicity-xxxx-yyyymmdd.xlsx/.csv
- Qualification-Attainment-Statistics-National-Gender-xxxx-yyyymmdd.xlsx/.csv
- Qualification-Attainment-Statistics-National-School-Decile-Band-xxxx-yyyymmdd.xlsx/.csv

Where:

- xxxx: the latest academic year included in the file.
- yyyymmdd: the “as at” date of the data (yyyy: year, mm: month, dd: day)

File Contents and Field Definitions:

Field	Data Type	Description/Notes
Year Level	integer	The year level of the students.
Qualification	varchar(50)	The name of the qualification/requirement. Includes NCEA Levels 1, 2, and 3; and University Entrance.
Ethnicity	varchar(255)	<i>Only included in the National-Ethnicity file.</i> The ethnicity of the students (total response). Includes Māori, Pacific Peoples, Asian, Middle Eastern/Latin American/African, and European. Excludes Other Ethnicity.



Field	Data Type	Description/Notes
Gender	varchar(255)	<i>Only included in the National-Gender file.</i> The gender of the students. Includes Male, and Female. Excludes Not Stated.
School Decile Band	varchar(50)	<i>Only included in the National-School-Decile-Band file.</i> The decile band of the school the students were enrolled with. Includes Decile 1-3, Decile 4-7, and Decile 8-10. Excludes Decile Not Stated.
Academic Year	integer	The academic year the following data relates to.
Typical Level Flag	integer	Indicates whether the given qualification/requirement is of a level that the given year level students would typically be attempting to attain. Includes 1, and 0; where 1 indicates the above is true (e.g. Year 11 attaining NCEA Level 1)
Cumulative Year Attainment Rate	percentage(5,1) or numeric(5,3)	Percentage of students who attained this qualification/requirement by the end of the given academic year.
Current Year Attainment Rate	percentage(5,1) or numeric(5,3)	Percentage of students who attained this qualification/requirement within the given academic year.
Cumulative Year Attainment	integer	Count of students who attained this qualification/requirement by the end of the given academic year.
Current Year Attainment	integer	Count of students who attained this qualification/requirement within the given academic year.
Total Student Count	integer	Count of students.
Cohort Warning	varchar(12)	Indicates if the figures were calculated based on a small cohort.



File Contents- Qualification Endorsement Attainment Statistics

Certificate Endorsement for NCEA Levels 1, 2 and 3 were introduced in 2007. To qualify for an Endorsement with Excellence, candidates require 50 or more Excellence credits at the Certificate level. An Endorsement with Merit requires 50 or more credits at Merit or Excellence.

Students can accumulate credits over multiple years towards Certificate Endorsements, unlike Course Endorsement where all the credits must be attained within a single year. This means that while students may attain both an NCEA qualification and a Certificate Endorsement on that qualification within a single year, some students will add an endorsement to a qualification attained in a prior year.

In these files, only endorsements attained in the same year as the qualification are reported (i.e. concurrently).

All endorsement rates are calculated out of the number of students who have attained the qualification. This means that, unlike qualification attainment rates, it is possible for the cumulative year attainment rate to be lower than the current year attainment rate.

File name structure:

- Qualification-Endorsement-Attainment-Statistics-National-xxxx-yyyymmdd.xlsx/.csv
- Qualification-Endorsement-Attainment-Statistics-National-Ethnicity-xxxx-yyyymmdd.xlsx/.csv
- Qualification-Endorsement-Attainment-Statistics-National-Gender-xxxx-yyyymmdd.xlsx/.csv
- Qualification-Endorsement-Attainment-Statistics-National-School-Decile-Band-xxxx-yyyymmdd.xlsx/.csv

Where:

- xxxx: the latest academic year included in the file.
- yyyymmdd: the “as at” date of the data (yyyy: year, mm: month, dd: day)



File Contents and Field Definitions:

Field	Data Type	Description/Notes
Year Level	integer	The year level of the students.
Qualification	varchar(50)	The name of the qualification/requirement. Includes to NCEA Levels 1, 2, and 3.
Ethnicity	varchar(255)	<i>Only included in the National-Ethnicity file.</i> The ethnicity of the students (total response). Includes Māori, Pacific Peoples, Asian, Middle Eastern/Latin American/African, and European. Excludes Other Ethnicity.
Gender	varchar(255)	<i>Only included in the National-Gender file.</i> The gender of the students. Includes Male, and Female. Excludes Not Stated.
School Decile Band	varchar(50)	<i>Only included in the National-School-Decile-Band file.</i> The decile band of the school the students were enrolled with. Includes Decile 1-3, Decile 4-7, and Decile 8-10. Excludes Decile Not Stated.
Academic Year	integer	The academic year the following data relates to.



Field	Data Type	Description/Notes
Typical Level Flag	integer	Indicates whether the given qualification/requirement is of a level that the given Year Level students would typically be attempting to attain. Includes 1, and 0; where 1 indicates the above is true. (e.g. Year 11 attaining NCEA Level 1 with Merit)
Cumulative Year Attainment Rate - Excellence Endorsement	percentage(5,1) or numeric(5,3)	Percentage of students who attained an Excellence Endorsement concurrently with this qualification by the end of the given academic year.
Current Year Attainment Rate - Excellence Endorsement	percentage(5,1) or numeric(5,3)	Percentage of students who attained an Excellence Endorsement concurrently with this qualification within the given academic year.
Cumulative Year Attainment Rate - Merit Endorsement	percentage(5,1) or numeric(5,3)	Percentage of students who attained a Merit Endorsement concurrently with this qualification by the end of the given academic year.
Current Year Attainment Rate - Merit Endorsement	percentage(5,1) or numeric(5,3)	Percentage of students who attained a Merit Endorsement concurrently with this qualification within the given academic year.
Cumulative Year Attainment Rate - No Endorsement	percentage(5,1) or numeric(5,3)	Percentage of students who did not attain an Endorsement concurrently with this qualification by the end of the given academic year.
Current Year Attainment Rate - No Endorsement	percentage(5,1) or numeric(5,3)	Percentage of students who did not attain an Endorsement concurrently with this qualification within the given academic year.
Cumulative Year Attainment - Excellence Endorsement	integer	Count of students who attained an Excellence Endorsement concurrently with this qualification by the end of the given academic year.
Current Year Attainment - Excellence Endorsement	integer	Count of students who attained an Excellence Endorsement concurrently with this qualification within the given academic year.
Cumulative Year Attainment - Merit Endorsement	integer	Count of students who attained a Merit Endorsement concurrently with this qualification by the end of the given academic year.



Field	Data Type	Description/Notes
Current Year Attainment - Merit Endorsement	integer	Count of students who attained a Merit Endorsement concurrently with this qualification within the given academic year.
Cumulative Year Attainment - No Endorsement	integer	Count of students who did not attain an Endorsement concurrently with this qualification by the end of the given academic year.
Current Year Attainment - No Endorsement	integer	Count of students who did not attain an Endorsement concurrently with this qualification within the given academic year.
Total Student Count	integer	Count of students.
Cohort Warning	varchar(12)	Indicates if the figures were calculated based on a small cohort.



File Contents- Level 1 Literacy and Numeracy Attainment Statistics

These files contain figures for students meeting the Level 1 Literacy and Numeracy requirements.

The attainment rates reported are for Literacy and for Numeracy as separate requirements. The Level 1 Literacy and Numeracy attainment rates here will include candidates who have attained an NCEA qualification and those that have not yet attained a qualification but have met the requirements for Level 1 Literacy or Numeracy.

File name structure:

- Level-1-Literacy-and-Numeracy-Attainment-Statistics-National-xxxx-yyyymmdd.xlsx/.csv
- Level-1-Literacy-and-Numeracy-Attainment-Statistics-National-Ethnicity-xxxx-yyyymmdd.xlsx/.csv
- Level-1-Literacy-and-Numeracy-Attainment-Statistics-National-Gender-xxxx-yyyymmdd.xlsx/.csv
- Level-1-Literacy-and-Numeracy-Attainment-Statistics-National-School-Decile-Band-xxxx-yyyymmdd.xlsx/.csv

Where:

- xxxx: the latest academic year included in the file.
- yyyymmdd: the “as at” date of the data (yyyy: year, mm: month, dd: day)

File Contents and Field Definitions:

Field	Data Type	Description/Notes
Year Level	integer	The year level of the students.
Qualification	varchar(50)	The name of the qualification/requirement. Includes Level 1 Literacy, and Level 1 Numeracy.



Field	Data Type	Description/Notes
Ethnicity	varchar(255)	<i>Only included in the National-Ethnicity file.</i> The ethnicity of the students (total response). Includes Māori, Pacific Peoples, Asian, Middle Eastern/Latin American/African, and European. Excludes Other Ethnicity.
Gender	varchar(255)	<i>Only included in the National-Gender file.</i> The gender of the students. Includes Male, and Female. Excludes Not Stated.
School Decile Band	varchar(50)	<i>Only included in the National-School-Decile-Band file.</i> The decile band of the school the students were enrolled with. Includes Decile 1-3, Decile 4-7, and Decile 8-10. Excludes Decile Not Stated.
Academic Year	integer	The academic year the following data relates to.
Typical Level Flag	integer	Indicates whether the given qualification/requirement is of a level that the given year level students would typically be attempting to attain. Includes 1, and 0; where 1 indicates the above is true (e.g. Year 11 attaining Level 1 Literacy).
Cumulative Year Attainment Rate	percentage(5,1) or numeric(5,3)	Percentage of students who attained this qualification/requirement by the end of the given academic year.
Current Year Attainment Rate	percentage(5,1) or numeric(5,3)	Percentage of students who attained this qualification/requirement within the given academic year.



Field	Data Type	Description/Notes
Cumulative Year Attainment	integer	Count of students who attained this qualification/requirement by the end of the given academic year.
Current Year Attainment	integer	Count of students who attained this qualification/requirement within the given academic year.
Total Student Count	integer	Count of students.
Cohort Warning	varchar(12)	Indicates if the figures were calculated based on a small cohort.



File Contents- Standard Attainment Statistics

These files contain figures of assessed results for individual standard and standard version combinations. Figures are of results falling into each result category: Not Achieved, Achieved, Merit and Excellence.

Details about a standard (e.g. it's type, level, credit value, subject, etc.) may change between standard versions.

File name structure:

- Standard-Attainment-Statistics-National-xxxx-yyyymmdd.xlsx/.csv
- Standard-Attainment-Statistics-National-Ethnicity-xxxx-yyyymmdd.xlsx/.csv
- Standard-Attainment-Statistics-National-Gender-xxxx-yyyymmdd.xlsx/.csv
- Standard-Attainment-Statistics-National-School-Decile-Band-xxxx-yyyymmdd.xlsx/.csv

Where:

- xxxx: the latest academic year included in the file.
- yyyymmdd: the "as at" date of the data (yyyy: year, mm: month, dd: day)

File Contents and Field Definitions:

Field	Data Type	Description/Notes
Secondary Subject	varchar(255)	Name of the secondary subject the standard belongs to.
Field	varchar(255)	Name of the field the standard belongs to.
Sub-Field	varchar(255)	Name of the sub-field the standard belongs to.
Domain	varchar(255)	Name of the domain the standard belongs to.



Field	Data Type	Description/Notes
Standard Number	integer	The standard number.
Standard Version	integer	The standard version number.
Assessment Type	varchar(20)	The type of assessment for this standard. Includes Internally Assessed and Externally Assessed.
Standard Type	varchar(20)	The type of standard. Includes Unit Standard and Achievement Standard.
Level	varchar(10)	The standard level.
Credits	integer	The number of credits for the given standard and standard version.
Ethnicity	varchar(255)	<i>Only included in the National-Ethnicity file.</i> The ethnicity of the students (total response). Includes Māori, Pacific Peoples, Asian, Middle Eastern/Latin American/African, and European. Excludes Other Ethnicity.
Gender	varchar(255)	<i>Only included in the National-Gender file.</i> The gender of the students. Includes Male, and Female. Excludes Not Stated.
School Decile Band	varchar(50)	<i>Only included in the National-School-Decile-Band file.</i> The decile band of the school the students were enrolled with. Includes Decile 1-3, Decile 4-7, and Decile 8-10. Excludes Decile Not Stated.



Field	Data Type	Description/Notes
Academic Year	integer	The academic year the following data relates to.
Excellence Result Rate	percentage(5,1) or numeric(5,3)	Percentage of assessed results which were Excellence in the given academic year.
Merit Result Rate	percentage(5,1) or numeric(5,3)	Percentage of assessed results which were Merit in the given academic year.
Achieved Result Rate	percentage(5,1) or numeric(5,3)	Percentage of assessed results which were Achieved in the given academic year.
Not Achieved Result Rate	percentage(5,1) or numeric(5,3)	Percentage of assessed results which were Not Achieved in the given academic year.
Excellence Result Count	integer	Count of assessed results which were Excellence in the given academic year.
Merit Result Count	integer	Count of assessed results which were Merit in the given academic year.
Achieved Result Count	integer	Count of assessed results which were Achieved in the given academic year.
Not Achieved Result Count	integer	Count of assessed results which were Not Achieved in the given academic year.
Total Assessed Result Count	integer	Count of assessed results.
Total Student Count	integer	Count of students with entries. Due to the granular nature of these files, this also represents a count of entries.
Cohort Warning	varchar(12)	Indicates if the figures were calculated based on a small cohort.



File Contents- Scholarship Attainment Statistics

The New Zealand Scholarship awards were introduced in 2004, and the present system for marking the Scholarship examination was introduced in 2006. Scholarship is intended to challenge New Zealand's most able secondary school students. Therefore, the examinations are very demanding.

These files contain figures of assessed results for individual Scholarship subjects. Figures are of results falling into each result category: No Award, Scholarship, and Outstanding Scholarship.

File name structure:

- Scholarship-Attainment-Statistics-National-xxxx-yyyymmdd.xlsx/.csv
- Scholarship-Attainment-Statistics-National-Ethnicity-xxxx-yyyymmdd.xlsx/.csv
- Scholarship-Attainment-Statistics-National-Gender-xxxx-yyyymmdd.xlsx/.csv
- Scholarship-Attainment-Statistics-National-School-Decile-Band-xxxx-yyyymmdd.xlsx/.csv

Where:

- xxxx: the latest academic year included in the file.
- yyyymmdd: the "as at" date of the data (yyyy: year, mm: month, dd: day)

File Contents and Field Definitions:

Field	Data Type	Description/Notes
Subject	varchar(255)	Name of the Scholarship subject.



Field	Data Type	Description/Notes
Ethnicity	varchar(255)	<i>Only included in the National-Ethnicity file.</i> The ethnicity of the students (total response). Includes Māori, Pacific Peoples, Asian, Middle Eastern/Latin American/African, and European. Excludes Other Ethnicity.
Gender	varchar(255)	<i>Only included in the National-Gender file.</i> The gender of the students. Includes Male, and Female. Excludes Not Stated.
School Decile Band	varchar(50)	<i>Only included in the National-School-Decile-Band file.</i> The decile band of the school the students were enrolled with. Includes Decile 1-3, Decile 4-7, and Decile 8-10. Excludes Decile Not Stated.
Academic Year	integer	The academic year the following data relates to.
Outstanding Scholarship Rate	percentage(5,1) or numeric(5,3)	Percentage of assessed results which were Outstanding in the given academic year.
Scholarship Rate	percentage(5,1) or numeric(5,3)	Percentage of assessed results which were Scholarship in the given academic year.
No Award Rate	percentage(5,1) or numeric(5,3)	Percentage of assessed results which were not Scholarship, nor Outstanding in the given academic year.



Field	Data Type	Description/Notes
Outstanding Scholarship Count	integer	Count of assessed results which were Outstanding in the given academic year.
Scholarship Count	integer	Count of assessed results which were Scholarship in the given academic year.
No Award Count	integer	Count of assessed results which were not Scholarship, nor Outstanding in the given academic year.
Total Assessed Result Count	integer	Count of assessed results.
Total Student Count	integer	Count of students with entries. Due to the granular nature of these files, this also represents a count of entries.
Cohort Warning	varchar(12)	Indicates if the figures were calculated based on a small cohort.

