

ASH Year 10 Snapshot Survey 2023

Information and Methods

The ASH Year 10 Snapshot surveys Year 10 students in Aotearoa New Zealand every year on their smoking and vaping behaviour and attitudes. It is one of the largest ongoing youth smoking surveys in the world, with 29,260 students participating in 2023. It uses robust and validated measures and is conducted to a high methodological standard, that has been subject to peer review and ethics approval.

**24TH ANNUAL
ASH
YEAR 10
SNAPSHOT**

The ASH Year 10 Snapshot is a census style survey – all Aotearoa New Zealand schools with Year 10 students are invited to participate each year, other than distance education. It began in 1992 and has been running annually since 1999. In 2006 it became part of the NZ Youth Tobacco Monitor (NZYTM). The Survey was not carried out in 2020 due to COVID-19. In 2023 the Survey was available in English and Te Reo Māori.

SURVEY ADMINISTRATION



- ASH sends all consenting schools survey packs
- Teachers administer the Survey to all Year 10 classes in the school

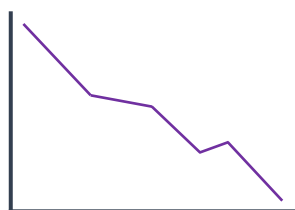


- The one-page, two-sided questionnaire is completed in class time
- The Survey is anonymous, and the information collected is confidential



- Completed questionnaires are returned by courier for checking
- Spoiled and/or incomplete questionnaires are removed, then sent to the data entry provider for scanning, which reduces data entry error

DATA ANALYSIS



Returned questionnaires are checked for logical consistency. Only questionnaires with completed answers on age, gender, ethnicity, and smoking status are included for analysis. Ethnicity is coded using prioritised ethnicity classification.¹ For comparison to previous years, analysis is restricted to those aged 14 and 15 years of age.

PARTICIPATION

29,260
STUDENT
PARTICIPANTS



56% **SCHOOL**
PARTICIPATION
RATE

In 2023 the number of questionnaires returned with valid answers to questions on age, gender, ethnicity, and smoking status was 29,260.

56% (310 out of 550) of invited schools agreed to participate in 2023, compared to 60% for the 2022 Survey. Eighteen schools did not return their questionnaires in time for inclusion in analysis.

SAMPLE CHARACTERISTICS

	2023 ASH Year 10 Snapshot sample	2023 National Year 10 population ²
Year 10 (N)	29,260	66,850
Gender		
- Female	48.8%	48.0%
- Male	49.6%	51.8%
- Another gender	1.6%	0.3%**
Ethnicity*		
- Māori	20.7%	25.9%
- Pacific	7.3%	9.8%
- Asian	17.1%	14.6%
- Other	5.0%	2.9%
- European/Pākehā	49.9%	45.7%

*The ASH Year 10 Snapshot Survey uses prioritised ethnicity,¹ while the 2023 National Year 10 population ethnicity statistics use total response ethnicity.²

**Gender data is collected via Ministry of Education School Roll Returns and will likely take several years to build an accurate picture of students who identify as Another Gender or Not Stated.²

STRENGTHS & LIMITATIONS

Strengths of the ASH Year 10 Snapshot Survey include its frequent survey points allowing good measurement of trends, large sample allowing detailed sub-sample analysis, and the ability to provide results to individual schools.

Limitations include a potential for bias, with lower participation for Māori and Pacific students than previous years. As questionnaires are not administered by researchers, there is a potential effect on student response rates and the quality of data collection. Clustered sampling by school is not factored into the analysis, as a large proportion of the population is sampled. Data has not been weighted as this is consistent with previous years, and therefore allows comparison.

ACKNOWLEDGEMENTS

ASH appreciates the valuable time and effort of the schools, teachers, and students across Aotearoa NZ that took part in the 2023 ASH Year 10 Snapshot Survey.

The NZYTM Expert Advisory Group – Annabel Prescott, Chris Bullen, Craig Gordon, Nivy Gurram, and Sally Wong – provided expert advice and input into the 2023 Survey. Special thanks to NZYTM research lead and project manager Sally Wong (ASH).

Questionnaire translation into Te Reo Māori was provided by Manawa Titī Ltd. Scanning and data capture was provided by TIMG NZ. Analysis was provided by Varsha Parag, lead biostatistician at the National Institute for Health Innovation, University of Auckland, using SAS v9.4.

The 2023 ASH Year 10 Snapshot Survey is funded by Manatū Hauora Ministry of Health via Te Whatu Ora as part of the NZYTM.

All waves of the Survey have been approved by the Multiregional Health and Disability Ethics Committee for use in schools (MEC/07/10/141).

SUGGESTED CITATION

Action for Smokefree 2025 (ASH). 2023. ASH Year 10 Snapshot Survey 2023: Information and methods. Available from: <http://ash.org.nz>

REFERENCES

¹Ministry of Health, 2017. HISO 10001:2017 Ethnicity data protocols. Wellington: Ministry of Health.

²Ministry of Education, 2023. School rolls. Available from: <http://educationcounts.govt.nz>