

Information topic	Details
Indicator name	Unmet need for GP services due to a lack of transport
Domain and topic	Transport: Unmet need for GP services
Indicator definition and units	Unmet need for GP services due to a lack of transport is defined as having had a medical problem but not visiting a GP due to a lack of transport, in the past 12 months (Ministry of Health 2021).
Data source	New Zealand Health Survey, conducted by the Ministry of Health. We have used data supplied in tables published on the Ministry of Health website.
Numerator	Children and adults who needed to see a GP in the last 12 months but didn't, because they did not have transport to get there.
Denominator	All children (aged 0–14 years) and adults (aged 15+ years) (estimated usually resident population).
Methodology	<p>Since 2011/12, unmet need for GP services due to a lack of transport has been asked about in the adult and child questionnaires of the New Zealand Health Survey. The question asked was:</p> <ul style="list-style-type: none"> • In the last 12 months, was there a time when you had a medical problem but did not visit a GP because you had no transport to get there? <p>For children aged 0–14 years, a primary caregiver answered the child questionnaire as a proxy for the child. The above question was reworded to refer to the child.</p>
Time period and time scale	<p>National data is available for 2011/12, 2012/13, 2013/14, 2014/15, 2015/16, and annually after this.</p> <p>DHB-level data is available for the three-year periods 2014–2014 and 2014–17. Updated data is available occasionally by the Ministry of Health.</p> <p>The time period for each survey year is normally from 1 July to 30 June (e.g. 2015/16 data collection was from 1 July 2015 to 30 June 2016). The 2019/20 New Zealand Health Survey dataset only includes data for three-quarters of the survey year (July 2019 to March 2020).</p> <p>On 19 March 2020, the interviewing for the New Zealand Health Survey was suspended, to reduce any risks of transmitting COVID-19 between interviewers and respondents. No adjustments or</p>

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	<p>imputations have been done to account for the impact this has had on the 2019/20 data (Ministry of Health 2020).</p> <p>Time trends with earlier surveys (e.g. the 2006/07 New Zealand Health Survey) are not possible, as the question wording was substantially changed for the 2011/12 survey.</p>
Population coverage	The usually resident population of all ages, who are living in permanent dwellings, aged-care facilities and student accommodation. The following people were not included in the survey: people living in institutions, such as for long-term hospital care, hospital- and dementia-level care in aged-care facilities, and in prisons; the homeless; short-term visitors; and tourists.
Spatial Coverage	National and by DHB
Measures of frequency	Results are presented by sex, age group, ethnic group (total response), neighbourhood deprivation (NZDep2018 quintiles) and disability status.
Confidence interval methodology	95% confidence intervals were calculated by the Ministry of Health using jack-knife weights. Confidence intervals are presented in brackets in the text and tables, and as error bars on graphs.
Limitations of indicator	<p>There is some uncertainty in the estimates due to taking a sample, reflected in the 95% confidence intervals. The results cannot be compared to previous results (eg the 2006/07 New Zealand Health Survey) due to a change in question wording.</p> <p>No adjustment of gathered data has taken place to account for the shortened survey in 2019/20.</p>
Limitations of data source	The survey results may under- or over-estimate indicators due to the nature of self-reported information.
Created by	Ministry of Health, New Zealand
Related indicators	<p>Number of motor vehicles</p> <p>Main mode of transport to work on Census day</p> <p>Commuting time by mode of transport</p> <p>Household travel time by mode of transport</p> <p>Active transport to and from school</p>
For more information	<p>For more information on the New Zealand Health Survey, visit the New Zealand Health Survey website:</p> <p>http://www.health.govt.nz/nz-health-statistics/national-collections-and-surveys/surveys/current-recent-surveys/new-zealand-health-survey</p>

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References	Ministry of Health. 2020. New Zealand Health Survey Annual Data Explorer. URL: https://minhealthnz.shinyapps.io/nz-health-survey-2019-20-annual-data-explorer (accessed 20/02/21). Wellington: Ministry of Health.
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