

Information topic	Details
Indicator name	<b>Access to safe drinking-water</b>
Domain and topic	Drinking-water quality: Access to safe drinking-water
Indicator definition and units	<ul style="list-style-type: none"> <li>• Number and percentage of the population on registered community drinking-water supplies (serving communities with more than 100 people) with access to bacteriologically-, protozoal- and chemically-compliant drinking-water.</li> <li>• Number of drinking-water supplies that issued a permanent or temporary 'boil water' notice.</li> </ul>
Data source	Annual Report on Drinking-water Quality. Ministry of Health
Numerator	Estimated number of people who were served with drinking water meeting the bacteriological protozoal and chemical standards.
Denominator	Population on registered community drinking-water supplies serving more than 100 people
Methodology	This indicator presents data published in the <i>Annual Report on Drinking-water Quality 2020-2021</i> , published by the New Zealand Ministry of Health in June 2021.
Time period and time scale	Annual from 1 July – 30 June, from 2010/2011 onwards
Population coverage	Population on registered drinking-water supplies.
Spatial Coverage	National & by territorial authority
Measures of frequency	<ul style="list-style-type: none"> <li>• Number and percentage of people served bacteriological/protozoal/chemical/overall compliant drinking-water <ul style="list-style-type: none"> <li>○ In total</li> <li>○ By supply size</li> <li>○ By territorial authority</li> </ul> </li> <li>• Number of supplies that issued a temporary or permanent boil water notice, by supply size</li> <li>• Number of people affected by permanent or temporary boil water notices</li> </ul>
Confidence interval methodology	Byar's approximations for calculating the 95% confidence interval for rates of events were used (Eayres 2008).
Limitations of indicator	Indicator only represents the population on registered drinking-water supplies serving over 100 people, instead of all New Zealanders. For example, New Zealanders who rely on wells or rain

## Metadata

	tanks for potable drinking-water and water sources that serve a population of less than 100 people are not included.
Limitations of data source	The population statistics in the report are estimates derived from the online Water Information New Zealand (WINZ) datasets and it is not possible to determine their accuracy.
Created by	Environmental Health Intelligence New Zealand
Related indicators	<a href="#">Access to fluoridated drinking-water</a> <a href="#">Waterborne diseases related to drinking water</a> <a href="#">Oral health of children</a>
For more information	<a href="https://www.health.govt.nz/publication/annual-report-drinking-water-quality-2020-2021">https://www.health.govt.nz/publication/annual-report-drinking-water-quality-2020-2021</a>
References	Eayres D. (2008). <i>Technical Briefing 3: Commonly used public health statistics and their confidence intervals</i> . York: Association of Public Health Observatories