Information topic	Details
Indicator name	Leptospirosis notifications
Domain and topic	Animals and human health
Indicator definition and units	The number and rate of notifications of leptospirosis. Rates are presented per 100,000 population.
Data source	National database of notifiable diseases (EpiSurv), from Institute of Environmental Science and Research (ESR).
Numerator	Number of notifications of leptospirosis cases with status of confirmed, probable and under investigation (excluding notifications with a known overseas travel history during the incubation period).
Denominator	Annual population estimates (2018 and prior) and projections (after 2018) from Statistics New Zealand by DHB and TA.
	For the New Zealand Index of Deprivation analysis, the 2013 denominator population by NZDep2013 deciles, age group and sex has been used, based on Census 2013 data.
Methodology	Age-standardised rates have been calculated using the direct method, using the World Health Organization world population age distribution (Ahmad et al 2001).
	Prioritised ethnicity has been used, in the following prioritisation order: Māori, Pacific peoples, Asian, European/Other.
	Variables provided on the dataset have been used for the analysis, including prioritised ethnicity, sex, NZDep 2013 decile and District Health Board (DHB).
	Free-text occupation data have been categorised into occupation groups at risk of exposure to leptospirosis based on WorkSafe guidelines of at-risk occupations (WorkSafe New Zealand 2019)
Time period and time scale	Annual data, from 2001 to the most recent data available.
Population coverage	National
Spatial coverage	District Health Board Territorial Authority
Measures of frequency	Results are presented by occupation type, year, sex, age group, ethnic group (prioritised), NZDep2013, and urban/rural classification at the national level.

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GPE Discussion Paper Series: No. 31. Geneva: World Health Organization.

Eayers D. 2008. *Technical Briefing 3: Commonly used public health statistics and their confidence intervals.* York, UK: Association of Public Health Observatories (APHO).

WorkSafe New Zealand. 2019. *Prevention and Control of Leptospirosis*. Wellington: WorkSafe New Zealand. URL: https://worksafe.govt.nz/topic-and-industry/working-with-animals/prevention-and-control-of-leptospirosis/gpg/ (accessed 3 February 2020).