| Information topic | Details |
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| Indicator name | Melanoma deaths |
| Domain and topic | UV Exposure: Melanoma |
| Indicator definition and units | Mortality rates for melanoma, per 100,000. Melanoma is defined as melanoma of the skin (ICD-10 AM C43). |
| Data source | New Zealand Mortality Collection, Health New Zealand–Te Whatu Ora. |
| Numerator | Number of melanoma deaths (ICD-10-AM C43). Non-residents have been excluded from the analysis. |
| Denominator | Population estimates (mid-year), prepared by Statistics New Zealand. |
| Methodology | Confidence interval: 95% confidence intervals were calculated based on the methodology outlined in APHO (2008). Confidence intervals are presented as error bars on graphs. |
| | Interpreting graphs (including DHB graphs): Results are presented by year, sex, age group, ethnic group, NZDep2018, urban/rural 2013 (UR) classification, and district health board (DHB). Prioritised ethnicity has been used, in the following order: Māori, Pacific, Asian, European/Other. Rates are per 100,000 people and have been age-standardised to the WHO world standard population (Ahmad et al 2001), to account for different age structures of populations. |
| | Crude rates are suppressed for counts less than 5 or populations less than 30, due to unreliability of the estimate with small numbers. Age-standardised rates are suppressed for overall counts less than 20, or if any age-band of the calculation has a population less than 30, due to unreliability of the estimate with small numbers. |
| | When comparing groups of varying population sizes, differences that involve small groups may not be statistically significantly different, compared with similar differences for larger groups. This is due to a higher variability associated with the rate of the small group. |
| | For graphs by health district (formerly District Health Boards), tests for statistical significance with the national rate have used adjustments for multiple comparisons. All comparisons made are conservative (ie, the p value is slightly overstated) because the |

| | New Zealand estimate contains the DHBs, so the New Zealand and every DHB estimate are positively correlated. This means that in some instances, we might be slightly less likely to find a significant difference that exists. |
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| Time period and time scale | Annual from 2001–2019. |
| Population coverage | New Zealand usually resident population of all ages. |
| Spatial Coverage | National |
| Measures of frequency | Results are presented by year, sex, ethnic group, age group, NZDep2018, Urban-Rural category and district. |
| Limitations of indicator | The reported year of death is the year of death registration, not necessarily the actual year of death. Information surrounding survival rates compared to mortality are not readily available. |
| Related indicators | Daily UV levels Melanoma cancer registrations Non-melanoma skin cancer deaths |
| References | Ahmad O B, et al. 2001. <i>Age Standardization of Rates: A New WHO Standard (Technical Report)</i> . GPE Discussion Paper Series: No. 31. Geneva: World Health Organization. |
| | APHO. 2008. Technical Briefing 3: Commonly used public health statistics and their confidence intervals. York, UK: Association of Public Health Observatories. |
| | Atkinson J, Salmond C, & Crampton P. 2014. NZDep2013 index of deprivation. Wellington: Department of Public Health, University of Otago. |