Crude rate

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# Crude rate

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| Identifying and definitional attributes | |
| Metadata item type: | Glossary Item |
| METEOR identifier: | 327274 |
| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 01/03/2005 |
| Definition: | The ratio of the number of events in the population being studied during a certain time period to the estimated population size midway through that time period. |
| Context: | Population health and health services research: Required to calculate population rates, such as incidence rates, prevalence rates, mortality rates and health service utilisation rates. |

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| Collection and usage attributes | |
| Guide for use: | Formula: R =d/n  Where: R  is the crude rate for the population being studied, d is the number of events for that population group, n is the total population for that population group. |
| Comments: | Crude rates are generally multiplied by 1,000 or 100,000 to avoid small decimal fractions. It is then called the crude rate per 1,000 or 100,000 population. |
| Source and reference attributes | |
| Origin: | Australian Institute of Health and Welfare |
| Reference documents: | Textbooks of epidemiology, demography and biostatistics.  The presentation of formulae in this data element is based on the notation used in Armitage P & Berry G 1994. *Statistical Methods in Medical Research*. Oxford: Blackwell Scientific Publications.  **See also** [**Age-standardised rate**](https://meteor.aihw.gov.au/content/327276) |
| Relational attributes | |
| Related metadata references: | Is re-engineered from  [Crude rate, version 1, Derived DE, NHDD, NHIMG, Superseded 01/03/2005.pdf](https://meteor.aihw.gov.au/content/273788)  (14.2 KB)  *No registration status* |
| Metadata items which use this glossary item: | [Age-standardised rate](https://meteor.aihw.gov.au/content/327276)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 01/03/2005 |