**Self-harm Hospitalisations**

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| **Technical information** | |
| **Indicator name (short)** | Self-harm Hospitalisations (SH) |
| **Description** | The measure is the rate calculated by dividing the total number of self-harm hospitalisations by the number of individuals in the New Zealand (NZ) resident population. The measure will be illustrated using the number of self-harm hospitalisations per 10,000 population domiciled within a District (previously DHB) with age standardisation.  This measure is presented for three categories:   * Total * Intentional * undetermined   This measure will be calculated quarterly with a rolling 12-month data period, by the ninth week after the quarter ends.  Where applicable, crude rates and age-standardised rates are provided. |
| **Rationale** | Intentional self-harm is a mal-adaptive coping mechanism indicating young people in distress and coping with that distress in an unhealthy way. It is often associated with low mood, depression, anxiety, wider family/peer group issues and events, stress, bullying, bereavement, relationship issues, trauma, intense or difficult feelings, or being in a group that self-harms.  Detailed data will help Alliances respond more proactively to young people in distress including through primary mental health responsiveness, appropriate secondary responses, referral pathways and cross sector/community support. |
| **Numerator** | Total number of self-harm hospitalisations among youth aged 10-24 years |
| **Denominator** | New Zealand (NZ) resident population - number of youth in the New Zealand (NZ) resident population |
| **Suppression Rules** | Where population is less than 50 the numbers are suppressed |
| **Inclusions** | The following are included in the model and have been flagged to allow further analysis:   * Intentional self-harm (ICD-10 AM codes X60-X84) * Undetermined intent (ICD-10 AM codes Y10-Y34) * Short stay ED events * Mental health events |
| **Exclusions** | The following are excluded in the model:   * Overseas domiciled patients * Incomplete stays |
| **Note for calculation** | Unit of measure:rate  Adjustment applied: both **crude rates** and **age standardised** rates are provided. For the standardised rates, the user of the reports can select either *WHO 2000 Population* or *Census 2018 NZ Resident Population*.  District assignment:   * District of domicile, * PHO where patient is enrolled   Stratification:   * District of domicile based on the first event of the stay * age in 5-year bands based on the first event of the stay * gender * prioritised ethnicity (Māori, Pacific, and Other in that order) from NMDS dataset based on the first event of the stay * NZDep2018 Index of deprivation quintile based on the first event of the stay |
| **Data sources** | The source of data for the numerator of the measure will be the National Minimum Dataset (NMDS).  The estimated NZ resident population with Statistics NZ projections (consistent with the Population based funding formula) will be used to count the denominator of this measure. |
| **Notes** | **PHO Population**  The denominators in the PHO reports will be the average population enrolled in each PHO over the 12 months period. This leads to inaccurate population numbers displayed for PHOs that have been in existence for less than 12 months.  NHIs will be used to link NMDS data with the PHO patient registers. The PHO patient registers for the quarter in which the patient was discharged will be used. For example, if the patient’s last day of the whole stay was on 2 February 2017, then the PHO the patient is enrolled with in that quarter will be used. |