Australian Health Performance Framework: PI 3.1.4–Incidence of end-stage kidney disease, 2020

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# Australian Health Performance Framework: PI 3.1.4–Incidence of end-stage kidney disease, 2020

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| Identifying and definitional attributes | |
| Metadata item type: | Indicator |
| Indicator type: | Indicator |
| Short name: | AHPF PI 3.1.4–Incidence of end-stage kidney disease, 2020 |
| METEOR identifier: | 728395 |
| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 13/10/2021 |
| Description: | Number of new cases of treated end-stage kidney disease (ESKD) plus number of individuals who died with: an underlying cause of death of ‘chronic kidney failure’, ‘hypertensive kidney failure’ or ‘unspecified kidney failure’; or an associated cause of death of ‘chronic renal failure, end-stage’, and did not receive dialysis or transplant treatment (untreated cases), per 100,000 population. |
| Indicator set: | [Australian Health Performance Framework, 2020](https://meteor.aihw.gov.au/content/728283)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 11/07/2023 |

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| Collection and usage attributes | |
| Computation description: | Causes of death in scope: 'Chronic renal failure' (ICD-10 codes N18.0, N18.5, N18.8, N18.9), 'hypertensive renal failure' (ICD-10 codes I12.0, I13.1, I13.2) or 'unspecified renal failure' (ICD-10 code N19.0) as an underlying cause of death or 'chronic renal failure, end-stage' (ICD-10 code N18.0, N18.5) as an associated cause of death.  Count new cases on the ANZDATA registry who died of renal failure in the same year once only.  Rates directly age-standardised to the 2001 Australian population.  Presented per 100,000 population.  95% confidence intervals calculated for rates. |
| Computation: | 100,000 × (Numerator ÷ Denominator) |
| Numerator: | Number of unique individuals who appeared as new cases on the ANZDATA registry in the reference year (treated cases) plus the number of individuals who died with an underlying cause of death of renal failure or an associated cause of death of chronic renal failure, end-stage and were not on the ANZDATA registry (untreated cases). |
| Numerator data elements: | **Data Element / Data Set**  **Data Element**    Person—person identifier    **Data Source**  [Australia and New Zealand Dialysis and Transplant Register (ANZDATA)](https://meteor.aihw.gov.au/content/393142)  **Guide for use**    Data source type: Registry data    **Data Element / Data Set**  **Data Element**    Person—cause of death (for entity and record axis data (ICD-10) ANN{.N}    **Data Source**  [AIHW National Mortality Database](https://meteor.aihw.gov.au/content/395084)  **Guide for use**    Data source type: Administrative by-product data. Each multiple cause of death is assigned from the original death certificate after processing according to the coding rules of ICD-10. The multiple causes of death collectively become the Record Axis Data (multiple cause data). The original codes and code order detailed on the death certificate, before coding to by the ICD-10 rules are maintained in the Entity Axis Data.  Underlying cause of death: ICD-10 codes N18.0, N18.5, N18.8, N18.9, I12.0, I13.1, I13.2, N19.0 Associated cause of death: ICD-10 codes N18.0, N18.5    **Data Element / Data Set**  **Data Element**    Person—cause of death number NN    **Data Source**  [AIHW National Mortality Database](https://meteor.aihw.gov.au/content/395084)  **Guide for use**    Data source type: Administrative by-product data 1 = underlying cause of death 2 to 20 = associated causes of death The cause listed as number 1 should equal the cause listed as the underlying cause of death. All other causes (number 2 to 20) are listed in alphabetical order.    **Data Element / Data Set**  [Person—person identifier, XXXXXX[X(14)]](https://meteor.aihw.gov.au/content/290046)  **Data Source**  [National Death Index (NDI)](https://meteor.aihw.gov.au/content/395083)  **Guide for use**    Data source type: Administrative by-product data  Used to eliminate double-counting of patients who commenced treatment for end-stage kidney disease and died in the reference period |
| Denominator: | Total population |
| Denominator data elements: | **Data Element / Data Set**  **Data Element**    Person—estimated Indigenous population of Australia    **Data Source**  [ABS Indigenous estimates and projections (2011 Census-based)](https://meteor.aihw.gov.au/content/585844)  **Guide for use**    Data source type: Census-based plus administrative by-product data Data from 2012 onwards are population projections    **Data Element / Data Set**  [Person—estimated resident population of Australia, total people N[N(7)]](https://meteor.aihw.gov.au/content/388656)  **Data Source**  [ABS Estimated resident population (2011 Census-based)](https://meteor.aihw.gov.au/content/585823)  **Guide for use**    Data source type: Census-based plus administrative by-product data |
| Disaggregation: | 1997–2013—Nationally, by:   * Age group (0–54, 55–64, 65–74, 75+) and sex * Sex.   2009–2013 (aggregate)—Nationally, by:   * Remoteness (Australian Statistical Geography Standard (ASGS) 2011 Remoteness Structure) * Socio-Economic Indexes for Areas (SEIFA) 2011 Index of Relative Socio-Economic Disadvantage (IRSD) quintile * Indigenous status.   Data are presented as rates (number per 100,000 population). Counts are also provided for aggregated data for 2009–2013. Disaggregations by Indigenous status and sex include rate ratios—the 2009–2013 aggregate figures are age-standardised to the Australian population as at 30 June 2001, while the time series from 1999–2012 uses age-standardised rates based on a 3-year moving average between 1998 and 2013.  Aggregated data for 2009–2013 by sex, remoteness and SEIFA IRSD quintile are age-standardised to the Australian population as at 30 June 2001.  Disaggregation by Indigenous status are based on data only from jurisdictions for which the quality of Indigenous identification is considered acceptable—New South Wales (from 1998), Queensland (from 1998), South Australia, Western Australia and the Northern Territory (from 1991). |
| Disaggregation data elements: | **Data Element / Data Set**  **Data Element**    Person—Indigenous status    **Data Source**  [Australia and New Zealand Dialysis and Transplant Register (ANZDATA)](https://meteor.aihw.gov.au/content/393142)  **Guide for use**    Data source type: Registry data    **Data Element / Data Set**  **Data Element**    Person—postcode of residence    **Data Source**  [Australia and New Zealand Dialysis and Transplant Register (ANZDATA)](https://meteor.aihw.gov.au/content/393142)  **Guide for use**    Data source type: Registry data Used for disaggregation by state/territory, remoteness and SEIFA    **Data Element / Data Set**  **Data Element**    Person—sex    **Data Source**  [Australia and New Zealand Dialysis and Transplant Register (ANZDATA)](https://meteor.aihw.gov.au/content/393142)  **Guide for use**    Data source type: Registry data    **Data Element / Data Set**  **Data Element**    Person—age group code NNN    **Data Source**  [AIHW National Mortality Database](https://meteor.aihw.gov.au/content/395084)  **Guide for use**    Data source type: Administrative by-product data    **Data Element / Data Set**  [Establishment—Australian state/territory identifier, code N](https://meteor.aihw.gov.au/content/269941)  **Data Source**  [AIHW National Mortality Database](https://meteor.aihw.gov.au/content/395084)  **Guide for use**    Data source type: Administrative by-product data    **Data Element / Data Set**  [Person—sex, code N](https://meteor.aihw.gov.au/content/287316)  **Data Source**  [AIHW National Mortality Database](https://meteor.aihw.gov.au/content/395084)  **Guide for use**    Data source type: Administrative by-product data    **Data Element / Data Set**  [Person—Indigenous status, code N](https://meteor.aihw.gov.au/content/291036)  **Data Source**  [AIHW National Mortality Database](https://meteor.aihw.gov.au/content/395084)  **Guide for use**    Data source type: Administrative by-product data |
| Comments: | Most recent data available for 2020 Australian Health Performance Reporting (comprising linked dataset, linked ANZDATA, AIHW National Mortality Database and National Death Index): 2013.  The most recent AIHW report on end-stage kidney disease is [*Incidence of end-stage kidney disease in Australia 1997–2013*](https://www.aihw.gov.au/reports/chronic-kidney-disease/incidence-of-end-stage-kidney-disease-in-australia-1997-2013/contents/table-of-contents) (AIHW 2016).  Most recent individual datasets available are:   * 2018 ANZDATA and * 2018 for National Mortality Data. |
| Representational attributes | |
| Representation class: | Rate |
| Data type: | Real |
| Unit of measure: | Person |
| Format: | N[NN].N |
| Indicator conceptual framework | |
| Framework and dimensions: | [1. Health conditions](https://meteor.aihw.gov.au/content/721649) |
| Data source attributes | |
| Data sources: | **Data Source**  [ABS Indigenous estimates and projections (2011 Census-based)](https://meteor.aihw.gov.au/content/585844)  **Frequency**  Periodic  **Data custodian**  Australian Bureau of Statistics  **Data Source**  [Australia and New Zealand Dialysis and Transplant Register (ANZDATA)](https://meteor.aihw.gov.au/content/393142)  **Frequency**  Annual  **Data custodian**    Australian and New Zealand Dialysis and Transplant Register (ANZDATA)    **Data Source**  [ABS Estimated resident population (2011 Census-based)](https://meteor.aihw.gov.au/content/585823)  **Frequency**  Quarterly  **Data custodian**  Australian Bureau of Statistics  **Data Source**  [AIHW National Mortality Database](https://meteor.aihw.gov.au/content/395084)  **Frequency**  Annual  **Data custodian**    Australian Institute of Health and Welfare    **Data Source**  [National Death Index (NDI)](https://meteor.aihw.gov.au/content/395083)  **Frequency**  Annual  **Data custodian**    Australian Institute of Health and Welfare |
| Accountability attributes | |
| Reporting requirements: | Australian Health Performance Framework |
| Organisation responsible for providing data: | Australian Institute of Health and Welfare |
| Source and reference attributes | |
| Reference documents: | Australian Institute of Health and Welfare 2016. Incidence of end-stage kidney disease in Australia 1997–2013. Cat. no. PHE 211. Canberra: AIHW. Viewed 12 November 2019, <https://www.aihw.gov.au/reports/chronic-kidney-disease/incidence-of-end-stage-kidney-disease-in-australia-1997-2013/contents/table-of-contents>. |
| Relational attributes | |
| Related metadata references: | Supersedes [Australian Health Performance Framework: PI 3.1.4–Incidence of end-stage kidney disease, 2019](https://meteor.aihw.gov.au/content/715317)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 13/10/2021 |