

# National Healthcare Agreement: P03-Incidence of end-stage kidney disease, 2010

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# National Healthcare Agreement: P03-Incidence of end-stage kidney disease, 2010

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Incidence of end-stage kidney disease, 2010
<b>METEOR identifier:</b>	393143
<b>Registration status:</b>	<a href="#">Health</a> , Superseded 08/06/2011
<b>Description:</b>	Incidence of end-stage kidney disease.
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2010)</a> <a href="#">Health</a> , Superseded 08/06/2011
<b>Outcome area:</b>	<a href="#">Prevention</a> <a href="#">Health</a> , Standard 07/07/2010
<b>Data quality statement:</b>	<a href="#">National Healthcare Agreement: P03-Incidence of end-stage kidney disease, 2010 QS</a> <a href="#">Health</a> , Superseded 08/06/2011

## Collection and usage attributes

<b>Computation description:</b>	<p>Count new cases on the Australian and New Zealand Dialysis and Transplant Register (ANZDATA) registry and those who died of end-stage kidney disease in the same year once only.</p> <p>Causes of death in scope: Chronic renal failure (ICD-10 codes N180, N188, N189); Hypertensive renal failure (ICD-10 codes I120, I131, I132) and Unspecified renal failure (ICD-10 code N19) as an underlying cause and Chronic renal failure, end-stage (ICD-10 code N180) as an associated cause of death.</p> <p>Rates are directly age-standardised to the Australian population as at 30 June 2001.</p> <p>Presented per 100,000 population.</p>
<b>Computation:</b>	$100,000 \times (\text{Numerator} \div \text{Denominator})$
<b>Numerator:</b>	Number of unique individuals who appeared as new cases on the ANZDATA registry in the reference year, and the number of untreated individuals who died with an underlying cause of death of renal failure or an associated cause of death of chronic renal failure, end-stage.

**Numerator data elements:****Data Element / Data Set****Data Element**

Person—person identifier

**Data Source**

[Australia and New Zealand Dialysis and Transplant Register \(ANZDATA\)](#)

**Guide for use**

Data source type: Registry data

**Data Element / Data Set****Data Element**

Cases where the associated cause of death (rather than the underlying cause of death) was chronic renal failure, end-stage

**Data Source**

[AIHW National Mortality Database](#)

**Guide for use**

Data source type: Administrative by-product data  
ICD-10 code N180

**Data Element / Data Set**

[Person—person identifier, XXXXXX\[X\(14\)\]](#)

**Data Source**

[National Death Index \(NDI\)](#)

**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

**Data Element / Data Set**

[Person—underlying cause of death, code \(ICD-10 2nd edn\) ANN-ANN](#)

**Data Source**

[AIHW National Mortality Database](#)

**Guide for use**

Data source type: Administrative by-product data  
ICD-10 codes N180, N188, N189, I120, I131, N19

**Denominator:**

Total population

**Denominator data elements:**

**Data Element / Data Set**

**Data Element**

Person—estimated resident population of Australia

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Guide for use**

Data source type: Census-based plus administrative by-product data

**Data Element / Data Set**

**Data Element**

Person—estimated resident population of Australia

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Guide for use**

Data source type: Census-based plus administrative by-product data

**Disaggregation data elements:**

**Data Element / Data Set**

**Data Element**

Person—area of usual residence

**Data Source**

[Australia and New Zealand Dialysis and Transplant Register \(ANZDATA\)](#)

**Guide for use**

Data source type: Registry data  
Used for disaggregation by state/territory

**Data Element / Data Set**

**Data Element**

Person—Indigenous status

**Data Source**

[Australia and New Zealand Dialysis and Transplant Register \(ANZDATA\)](#)

**Guide for use**

Data source type: Registry data

**Data Element / Data Set**

**Data Element**

Person—sex

**Data Source**

[Australia and New Zealand Dialysis and Transplant Register \(ANZDATA\)](#)

**Guide for use**

Data source type: Registry data

#### Data Element / Data Set

[Establishment—Australian state/territory identifier, code N](#)

##### Data Source

[AIHW National Mortality Database](#)

##### Guide for use

Data source type: Administrative by-product data

#### Data Element / Data Set

[Person—sex, code N](#)

##### Data Source

[AIHW National Mortality Database](#)

##### Guide for use

Data source type: Administrative by-product data

#### Data Element / Data Set

[Person—Indigenous status, code N](#)

##### Data Source

[AIHW National Mortality Database](#)

##### Guide for use

Data source type: Administrative by-product data

#### Comments:

Specified disaggregation: Nationally and by state/territory: by sex, Indigenous status, remoteness area and SEIFA of residence.

Available disaggregation: Nationally and by state/territory: by sex and Indigenous status.

For analysis by state/territory and Indigenous status, data from 2003-2006 was combined.

Most recent data available for 2010 CRC baseline report: 2006.

Provision of data for 2007 will be possible once coded ABS National Mortality Data are provided to the Australian Institute of Health and Welfare (AIHW). Data for 2008 will be available in the second half of 2009, pending provision of ABS National Mortality Data unit record files to AIHW.

## Representational attributes

Representation class:	Rate
Data type:	Real
Unit of measure:	Person
Format:	N[NN].N

## Indicator conceptual framework

Framework and dimensions:	<a href="#">Health conditions</a>
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## Data source attributes

**Data sources:**

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Frequency**

Quarterly

**Data quality statement**

[ABS Estimated resident population \(total population\), QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[Australia and New Zealand Dialysis and Transplant Register \(ANZDATA\)](#)

**Frequency**

Annual

**Data custodian**

Australian and New Zealand Dialysis and Transplant Register (ANZDATA)

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Frequency**

Periodic

**Data quality statement**

[ABS Indigenous experimental estimates and projections, QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[National Death Index \(NDI\)](#)

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

**Data Source**

[AIHW National Mortality Database](#)

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

## Accountability attributes

**Reporting requirements:** National Healthcare Agreement

**Organisation responsible for providing data:** Australian Institute of Health and Welfare

**Further data development / collection required:** Specification: Interim

Linking ANZDATA to the National Death Index.

After data linkage, the possible inclusion of the following ICD-10 (2nd edition) codes will be explored:

- Unspecified renal failure – N19
- Hypertensive renal failure – I12.0, I13.1, I13.2
- Diabetic renal failure – E11.23, E13.23, E14.23

Refine the count of untreated cases, potentially using national hospital data.

**Other issues caveats:** This specification does not include untreated cases who did not die in the reference period. There may be further undercounting if chronic renal failure was not mentioned on the death certificate of a person with untreated end-stage kidney disease.

Some disaggregations could result in numbers too small for publication.

Disaggregation by Indigenous status will be based on data from states/territories for which the quality of Indigenous identification is considered acceptable.

## Relational attributes

**Related metadata references:** Has been superseded by [National Healthcare Agreement: P103-Incidence of end-stage kidney disease, 2011](#)  
[Health](#), Superseded 30/10/2011

See also [National Healthcare Agreement: P19-Infant/young child mortality rate, 2010](#)  
[Health](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P33-Women with at least one antenatal visit in the first trimester, 2010](#)  
[Health](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P61-Teenage birth rate, 2010](#)  
[Health](#), Superseded 08/06/2011