Australian Health Performance Framework: PI 3.1.3–Incidence of sexually transmissible infections and blood-borne viruses, 2021

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# Australian Health Performance Framework: PI 3.1.3–Incidence of sexually transmissible infections and blood-borne viruses, 2021

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| Identifying and definitional attributes | |
| Metadata item type: | Indicator |
| Indicator type: | Indicator |
| Short name: | AHPF PI 3.1.3–Incidence of sexually transmissible infections and blood-borne viruses, 2021 |
| METEOR identifier: | 778137 |
| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 29/05/2024 |
| Description: | The number of notifications of syphilis, human immunodeficiency virus (HIV), hepatitis B, hepatitis C, chlamydia and gonorrhoea. |
| Rationale: | Simple treatments are available for most of these sexually transmissible infections. However, if left untreated, chlamydia and gonorrhoea can cause pelvic inflammatory disease in females and infertility in both males and females, while untreated syphilis can cause serious long-term conditions including heart failure, dementia, blindness and brain damage. |
| Indicator set: | [Australian Health Performance Framework, 2021](https://meteor.aihw.gov.au/content/764926)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 29/05/2024 |

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| Collection and usage attributes | |
| Population group age from: | Birth |
| Population group age to: | 50 years and older |
| Computation description: | [**Age-standardised rate**](https://meteor.aihw.gov.au/content/327276)(expressed as a percentage): calculated using the direct method, using age groups 0-14, 15-19, 20-29, 30-39, 40-49, and 50 and over based on the 2001 Census as the standard population using the direct age-standardisation method.  **Analysis by state and territory**, remoteness and SEIFA Index of Relative Socioeconomic Disadvantage (IRSD) is based on usual residence of person.  Presented as crude rate per 100,000 population.  **Indigenous population**  TBC |
| Computation: | Crude rate (expressed as a percent) 100,000 × (Numerator ÷ Denominator)  Calculated separately for each type of infection |
| Numerator: | Number of notifications of new diagnoses of syphilis, HIV, hepatitis B, hepatitis C, chlamydia and gonorrhoea infection. |
| Numerator data elements: | **Data Element / Data Set**  Viral hepatitis (B and C), gonorrhoea, syphilis, chlamydia - notifications of new diagnoses of selected sexually transmissible disease and/or blood-borne viruses -  **Data Source**  [National Notifiable Diseases Surveillance System (NNDSS)](https://meteor.aihw.gov.au/content/393138)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  HIV - Notifications of new diagnoses of selected sexually transmissible disease and/or blood-borne viruses  **Data Source**  [National HIV Registry](https://meteor.aihw.gov.au/content/396672)  **Guide for use**  Data source type: Administrative by-product data |
| Denominator: | Total population |
| Denominator data elements: | **Data Element / Data Set**  Person—estimated resident population of Australia  **Data Source**  [ABS Estimated resident population (total population)](https://meteor.aihw.gov.au/content/393625)  **Guide for use**  Data source type: Census-based plus administrative by-product data    **Data Element / Data Set**  Person—estimated resident population of Australia  **Data Source**  [ABS Indigenous experimental estimates and projections (2001 Census-based)](https://meteor.aihw.gov.au/content/394092)  **Guide for use**  Data source type: Census-based plus administrative by-product data |
| Disaggregation: | State and territory, by each type of infection, by:   * Indigenous status * sex * age * remoteness (Australian Standard Geographical Classification Remoteness Structure) * SEIFA IRSD quintiles   Some disaggregation may result in numbers too small for publication. |
| Disaggregation data elements: | **Data Element / Data Set**  Person—age  **Data Source**  [National Notifiable Diseases Surveillance System (NNDSS)](https://meteor.aihw.gov.au/content/393138)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  Person—area of usual residence  **Data Source**  [National Notifiable Diseases Surveillance System (NNDSS)](https://meteor.aihw.gov.au/content/393138)  **Guide for use**  Data source type: Administrative by-product data  Used for disaggregation by state/territory, remoteness and SEIFA IRSD    **Data Element / Data Set**  Person—Indigenous status  **Data Source**  [National Notifiable Diseases Surveillance System (NNDSS)](https://meteor.aihw.gov.au/content/393138)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  Person—sex  **Data Source**  [National Notifiable Diseases Surveillance System (NNDSS)](https://meteor.aihw.gov.au/content/393138)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  Person—age  **Data Source**  [National HIV Registry](https://meteor.aihw.gov.au/content/396672)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  Person—area of usual residence  **Data Source**  [National HIV Registry](https://meteor.aihw.gov.au/content/396672)  **Guide for use**  Data source type: Administrative by-product data  Used for disaggregation by state/territory, remoteness and SEIFA IRSD    **Data Element / Data Set**  Person—Indigenous status  **Data Source**  [National HIV Registry](https://meteor.aihw.gov.au/content/396672)  **Guide for use**  Data source type: Administrative by-product data    **Data Element / Data Set**  Person—sex  **Data Source**  [National HIV Registry](https://meteor.aihw.gov.au/content/396672)  **Guide for use**  Data source type: Administrative by-product data |
| Comments: | The current case definitions for these infections, including any historical edits, are available at: <https://www.health.gov.au/casedefinitions>.  **Syphilis** data limited to notifications of less than 2 years' duration and includes notifications of congenital syphilis.  **HIV** data contains notifications of newly diagnosed HIV infection and includes HIV infections known to have been acquired within 12 months prior to diagnosis.  **Hepatitis B** and **hepatitis C** data contains notifications of newly diagnosed infections, including cases known to have been acquired within 24 months prior to diagnosis.  **Chlamydia** and **gonococcal infection** notifications may include cases that are not sexually acquired, especially in the 0-4 year age group. |
| Representational attributes | |
| Representation class: | Rate |
| Data type: | Real |
| Unit of measure: | Person |
| Format: | N[NN].N |
| Data source attributes | |
| Data sources: | **Data Source**  [ABS Estimated resident population (total population)](https://meteor.aihw.gov.au/content/393625)  **Frequency**  Quarterly  **Data quality statement**  [ABS Estimated resident population (total population), QS](https://meteor.aihw.gov.au/content/449216)  **Data custodian**  Australian Bureau of Statistics    **Data Source**  [National Notifiable Diseases Surveillance System (NNDSS)](https://meteor.aihw.gov.au/content/393138)  **Frequency**  Annual  **Data custodian**  Australian Government Department of Health    **Data Source**  [ABS Indigenous experimental estimates and projections (2001 Census-based)](https://meteor.aihw.gov.au/content/394092)  **Frequency**  Periodic  **Data quality statement**  [ABS Indigenous experimental estimates and projections, QS](https://meteor.aihw.gov.au/content/449223)  **Data custodian**  Australian Bureau of Statistics    **Data Source**  [National HIV Registry](https://meteor.aihw.gov.au/content/396672)  **Frequency**  Annual  **Data custodian**  The Kirby Institute for infection and immunity in society |
| Accountability attributes | |
| Reporting requirements: | Australian Health Performance Framework |
| Organisation responsible for providing data: | Kirby Institute, University of New South Wales |
| Accountability: | Australian Institute of Health and Welfare |
| Further data development / collection required: | Specification: Long-term |
| Source and reference attributes | |
| Submitting organisation: | Australian Institute of Health and Welfare |
| Relational attributes | |
| Related metadata references: | Supersedes [Australian Health Performance Framework: PI 3.1.3–Incidence of sexually transmissible infections and blood-borne viruses, 2020](https://meteor.aihw.gov.au/content/728388)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 07/09/2023  Has been superseded by [Australian Health Performance Framework: PI 3.1.3–Incidence of sexually transmissible infections and blood-borne viruses, 2024](https://meteor.aihw.gov.au/content/788566)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 29/05/2024  See also [National Healthcare Agreement: PI 02-Incidence of sexually transmissible infections and blood-borne viruses, 2012](https://meteor.aihw.gov.au/content/435959)  [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Retired 25/06/2013 |