

Summary of Aboriginal and Torres Strait Islander health status - selected topics 2020









Australian Indigenous HealthInfoNet

The mandate of the Australian Indigenous HealthInfoNet (HealthInfoNet) is to contribute to improvements in Aboriginal and Torres Strait Islander health by making relevant, high quality knowledge and information easily accessible to policy makers, health service providers, program managers, clinicians and other health professionals (including Aboriginal and Torres Strait Islander Health Workers) and researchers. The Health InfoNet also provides easy-to-read and summarised material for students and the general community.

The HealthInfoNet achieves its commitment by undertaking research into various aspects of Aboriginal and Torres Strait Islander health and disseminating the results (and other relevant knowledge and information) mainly via Australian Indigenous HealthInfoNet websites (https://healthinfonet.ecu.edu.au), The Alcohol and Other Drugs Knowledge Centre (https:// aodknowledgecentre.ecu.edu.au), Tackling Indigenous Smoking (https://tacklingsmoking.org. au) and WellMob (https://wellmob.org.au). The research involves analysis and synthesis of data and other information obtained from academic, professional, government and other sources. The Health/nfoNet's work in knowledge exchange aims to facilitate the transfer of pure and applied research into policy and practice to address the needs of a wide range of users.

Recognition statement

The HealthInfoNet recognises and acknowledges the sovereignty of Aboriginal and Torres Strait Islander people as the original custodians of the country. Aboriginal and Torres Strait Islander cultures are persistent and enduring, continuing unbroken from the past to the present, characterised by resilience and a strong sense of purpose and identity despite the undeniably negative impacts of colonisation and dispossession. Aboriginal and Torres Strait Islander people throughout the country represent a diverse range of people, communities and groups, each with unique identities, cultural practices and spiritualities. We recognise that the current health status of Aboriginal and Torres Strait Islander people has been significantly impacted by past and present practices and policies.

We acknowledge and pay our deepest respects to Elders past and present throughout the country. In particular, we pay our respects to the Whadjuk Nyoongar peoples of Western Australia on whose Country our offices are located.

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Further information

This *Summary* is based on our more comprehensive publication the *Overview of Aboriginal and Torres Strait Islander health status 2020 (Overview)*. The *Summary* does not cover all of the health topics found in the *Overview*, only those which receive specific funding through the Health*InfoNet* funding partners. The *Overview* and *Summary* are produced annually and can be found at: healthinfonet.ecu.edu.au/summaries and healthinfonet.ecu.edu.au/overviews.

Acknowledgements

Special thanks are extended to staff at the Australian Indigenous Health*InfoNet* for their assistance and support, and to the Australian Government Department of Health and other funding partners for their ongoing support of the work of the Australian Indigenous Health*InfoNet*.

Tell us what you think

We value your feedback as part of our post-publication peer review process. Please let us know if you have any suggestions for improving this *Summary*. (See https://healthinfonet.ecu.edu.au/ contact-us)





Cover artwork

Bibdjool by Donna Lei Rioli

Donna Lei Rioli, a Western Australian Indigenous artist - was commissioned by the Health*InfoNet* to create a logo incorporating a gecko, chosen as it is one of a few animals that are found across the great diversity of Australia.

Donna is a Tiwi/Nyoongar woman who is dedicated to the heritage and culture of the Tiwi people on her father's side, Maurice Rioli, and the Nyoongar people on her mother's side, Robyn Collard. Donna enjoys painting because it enables her to express her Tiwi and Nyoongar heritage and she combines the two in a unique way.

Donna interpreted the brief with great awareness and conveyed an integrated work that focuses symbolically on the pathway through life. This is very relevant to the work and focus of the Australian Indigenous Health*lnfoNet* in contributing to improving the health and wellbeing of Aboriginal and Torres Strait Islander people.

Featured icon artwork by Frances Belle Parker

The Health*InfoNet* commissioned Frances Parker, a proud Yaegl woman, mother and artist, to produce a suite of illustrated icons for use in our knowledge exchange products. Frances translates biomedical and statistically based information into culturally sensitive visual representations, to provide support to the Aboriginal and Torres Strait Islander workforce and those participating in research and working with Aboriginal and Torres Strait Islander people and their communities. Frances came to prominence winning the Blake Prize in 2000, making her the youngest winner and the first Indigenous recipient over the 65 year history of the prize.

"Biirrinba is the Yaygirr name for the mighty Clarence River (NSW). It is this river that is the life giving vein for the Yaegl people. And it is this river which inspires much of my artwork. I am deeply inspired by my Mother's land (Yaegl land) and the Island in the Clarence River that my Mother grew up on, Ulgundahi Island. The stories which are contained within this landscape have shaped me as a person as an artist and most recently as a Mother. This is my history, my story and it will always... be my responsibility to share this knowledge with my family and my children."





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Introduction

Aboriginal and Torres Strait Islander people have lived on their traditional lands across Australia, including the Torres Strait Islands, for many thousands of years^[1]. Before colonisation, Aboriginal and Torres Strait Islander people lived in family and community groups, and moved across the land following seasonal changes. The Aboriginal and Torres Strait Islander concept of health is not just about the individual person, but a whole-of-life view that includes the social, emotional and cultural wellbeing of the community ^[2].

Australia was colonised by the British in the late 18th century. This led to many negative impacts on the health and wellbeing of Aboriginal and Torres Strait Islander people^[1, 3], including discrimination and the loss of identity, language, culture and land^[4]. The health and wellbeing of Aboriginal and Torres Strait Islander people today is still affected in many ways by this colonial history.

Nationally, there has been a shift away from the deficit approach (focusing on the negative differences between Aboriginal and Torres Strait Islander people and non-Indigenous people) to focus on strength-based approaches to understanding and interpreting measures of health and wellness^[4]. The *Summary of Aboriginal and Torres Strait Islander health status – selected topics 2020* aims to deliver the most important and up to date information about Aboriginal and Torres Strait Islander health while also limiting comparisons with other Australians.

The Health*InfoNet* has prepared this *Summary* as part of our contribution to support those who work in the Aboriginal and Torres Strait Islander health sector. Key health topics are summarised in plain language and an infographic style to enable readers to digest data easily and quickly.

The accuracy of the identification of Aboriginal and Torres Strait Islander people in health data collections varies across the country. Information about hospitalisations is generally considered to be accurate for all jurisdictions: New South Wales (NSW), Victoria (Vic), Queensland (Qld), Western Australia (WA), South Australia (SA), Tasmania (Tas), the Australian Capital Territory (ACT) and the Northern Territory (NT), however in some jurisdictions private hospital data are not included. Other statistical information is only considered to be sufficient and complete for certain jurisdictions, for example data about deaths are usually only provided for NSW, Qld, WA, SA and the NT. Please refer to the sources for full details on the statistical information presented here.

If you want more information about the health and wellbeing of Aboriginal and Torres Strait Islander people, you can:

- read our latest Overview^[5] for a more comprehensive health status update
- read one of our health topic reviews (healthinfonet.ecu.edu.au/reviews)
- visit our website (healthinfonet.ecu.edu.au).



In 2021, the Health*InfoNet* will undertake a nation-wide consultation, led by Dr Uncle Mick Adams, Health*InfoNet's* Senior Aboriginal Research Fellow, to develop policy and practice guidelines for the work of the Health*InfoNet*. The focus of the consultation review will be on best practice in data sovereignty and governance.



Statistical terms

- Hospitalisation refers to a period of hospital care for a person admitted to hospital.
 Hospitalisation rates are calculated as the total number of such periods of care divided by the total number of the population of interest. The rate is usually written per 1,000.
 Unless indicated, rates of hospitalisations provided in this *Summary* are *excluding dialysis separations* these are the regular hospitalisations required by kidney disease patients for dialysis treatment.
- **Incidence** is the number of new cases of a disease or condition during a time period, the **incidence rate** is the number divided by the population of interest.
- Median is the middle number in a range where 50% fall below and 50% fall above.
- **Prevalence** is the proportion of people living with a disease or condition in a given time period.
- Rates are one way of looking at how common a disease or condition is in a population. A rate is calculated by taking the number of cases and dividing it by the population at risk, for a specific time period. A specific type of rate, called an **age-standardised rate** (or an age-adjusted rate), allows for comparison between populations that have different age profiles. These are different from **crude rates**. Unless stated otherwise, rates presented in this *Summary* are age-standardised.
- **Survival** is statistically measured as the likelihood of a person being alive for a given period of time after being diagnosed with a disease or condition.

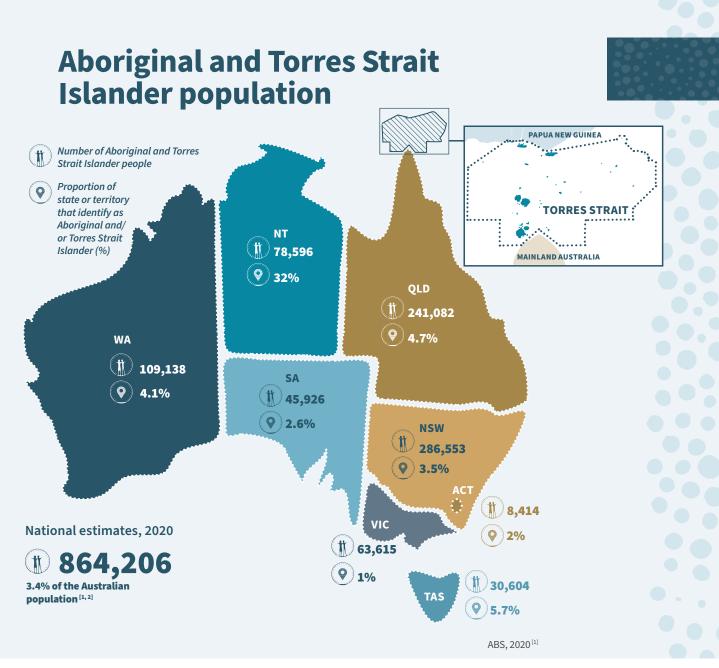
National surveys

Most of the information presented in this *Summary* is sourced from government reports, particularly those produced by the Australian Bureau of Statistics (ABS), the Australian Institute of Health and Welfare (AIHW), the Australian Health Ministers' Advisory Council (AHMAC) and the Steering Committee for the Review of Government Service Provision (SCRGSP). Data in these reports come from national health surveys, hospitals and other government agencies (including the birth and death registration systems).

It's important to note that data presented from national health surveys were generally calculated from responses by people aged 15 years and over. For children aged 14 years and under, a parent or guardian of a child generally provided responses on behalf of the child.

Surveys that have informed in this Summary

2012-13 Australian Aboriginal and Torres Strait Islander Health Survey	2012-13 AATSIHS
2014-15 National Aboriginal and Torres Strait Islander Social Survey	2014-15 NATSISS
2018-19 National Aboriginal and Torres Strait Islander Health Survey	2018-19 NATSIHS
2019 National Drug Strategy Household Survey	2019 NDSHS



The Aboriginal and Torres Strait Islander population is much younger overall than the non-Indigenous population^[1,2]. **In 2020, it was estimated that 1/3** of the Aboriginal and Torres Strait Islander population was aged **<15 years and just over 5%** of Aboriginal and Torres Strait Islander people were aged **65 years+.**

More detailed information about the Aboriginal and Torres Strait Islander population can be found in the 2016 Census^[3].



32% of the total Aboriginal and Torres Strait Islander population were located in the regions of **Brisbane, NSW Central and North Coast and Sydney-Wollongong**^[4].



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among Aboriginal and Torres Strait Islander people

Factors known as the 'social and cultural determinants of health' impact the health and wellness of individuals^[1]. They are the conditions that people are born into, grow and live in and include^[2]:

- early child development
- access to health care

employment

social exclusion

education

Recent information about some of these social and cultural determinants is available for the Aboriginal and Torres Strait Islander population. These determinants play a large part in health inequities between population groups^[2], such as the differences between Aboriginal and Torres Strait Islander people and other Australians.



In 2020^[3]:

There were **240,180** school students who identified as Aboriginal and/or Torres Strait Islander The **retention rate**, for secondary students was **60%**

Highest retention rates were found in the **ACT** (99%) and **SA** (75%), while **lowest** the rates were found in the **NT** (36%) and **NSW** and **WA** (both 56%).

Aboriginal and Torres Strait Islander students at, or above the national minimum standard, 2019^[4]

	Year 3	Year 5	Year 7	Year 9
Reading	83%	78%	78%	72%
Writing	85%	73%	65%	53%
Numeracy	81%	80%	76%	84%

The 2016 Australian Census reported for Aboriginal and Torres Strait Islander people^[5]:





vocational or tertiary studies





The 2016 Australian Census reported for Aboriginal and Torres Strait Islander people [5]:

of \$150-\$799



aged 15 to 24 years were either in full or part time employment, education or training

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47%

ly income₂ aged 15-64 years were employed



^{1.} Students who started school in year 7/8 and continued through to year 12.

^{2.} This is based on equivalised household income, which is a special calculation that allows us to compare the incomes of different types of households.

Births and pregnancy

among Aboriginal and Torres Strait Islander people

There were **21,925 births**, registered in Australia where one or both parents were Aboriginal and/or Torres Strait Islander in 2019^[1].

This represented 7.2% of all births registered in Australia in 2019.



Aboriginal and/or Torres Strait Islander status of parents for births registered:





Babies

Low birthweight (LBW) is a birthweight of less than 2,500 grams^[2]. Babies with LBW are at greater risk of health problems and death^[3].

For babies born to Aboriginal and Torres Strait Islander mothers in 2018^[4]:



Antenatal (pre-birth) care from health professionals during pregnancy supports positive health outcomes for mother and

Mothers

In 2018, **66%** of pregnant women attended antenatal care in their first trimester of pregnancy^[4].

child, especially when provided during the

first trimester (12 weeks) of pregnancy^[5, 6].

For Aboriginal and Torres Strait Islander mothers who gave birth in 2019^[1]:

The median age was 26 years 59% were aged 20-29 years 11% were teenagers

The total fertility rate, was

2,316 births per 1,000 women



Smoking while pregnant is known to be a major factor in babies having LBW^[7]. In 2018, **2 out of 5 mothers reported smoking** during pregnancy^[4].

2. The total fertility rate is the number of children born to 1,000 women at the current level and age pattern of fertility.



^{1.} Likely to be underestimated as Indigenous status is not always identified, and there may be a delay in birth registrations.

Deaths

among Aboriginal and Torres Strait Islander people

In 2019, there were **3,787 deaths**, registered for Aboriginal and/or Torres Strait Islander people^[1]. This accounts for **2.2% of all deaths in Australia** for 2019. Deaths from **avoidable causes**, accounted for **61%** of all deaths in the five-year period 2014-2018^[2].

Leading causes of death^[3]:



In 2019^[1]:

The age standardised death rate was **9.1 per 1,000** The **median age at death** was **60.4 years** The rate of deaths for **babies** 12 months or younger was **5.8 per 1,000**

The **life expectancy** for Aboriginal and Torres Strait Islander people born in 2015-2017 was^[4]:



Life expectancy was lower for people living in remote areas





In July 2020, a new national agreement on *Closing the gap* was endorsed by Aboriginal and Torres Strait Islander leaders. Specific outcomes, targets and monitoring measures were set for life expectancy; deaths; leading causes of death; and potentially avoidable deaths^[2].

^{1.} The ABS notes that the actual number of deaths may be slightly higher because of inaccurate data or delays in registration.

^{2.} Deaths that could have been prevented with timely and effective health care, including early detection and effective treatment.

Hospitalisations

among Aboriginal and Torres Strait Islander people

Hospital statistics provide some information about the health of a population and give governments information on how well the health system is managing^[1, 2]. However, they provide only a part of the overall picture of health because:

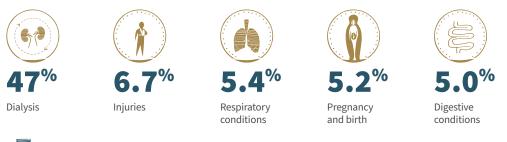
- they only report on conditions that are serious enough to require hospitalisation
- depending on where they live, not everyone has access to hospitals
- different hospitals may have different admission policies and procedures for illnesses
- the statistics relate to events of hospitalisation rather than to individual patients, i.e. one person may be hospitalised several times in the time period^[3-6].

In 2018-19 there were [8]:



A key factor in the higher rates of hospitalisation for Aboriginal and Torres Strait Islander people is dialysis treatment for kidney disease, which involves repeat admissions for the same patients.

Leading causes of Aboriginal and Torres Strait Islander hospitalisation in 2018-19^[8]:

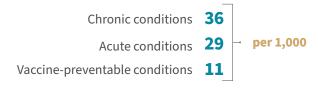


Potentially preventable hospitalisations

Potentially preventable hospitalisations are hospitalisations that could have been avoided with preventative care actions and early disease management. They can be used as a way to measure how easily people can access primary health or community care and how effective it is ^[7]. These hospitalisations are calculated for chronic conditions (such as diabetes) and conditions that can be prevented with vaccinations.

In 2018-19, the rate of potentially preventable hospitalisations among Aboriginal and Torres Strait Islander people was **75 per 1,000**^{[8].}

The highest rates for potentially preventable hospitalisations were for:





Cardiovascular health

among Aboriginal and Torres Strait Islander people

Cardiovascular disease (CVD) is the common term for all of the diseases and conditions that affect the heart and blood vessels^[1]. These include ^[1,2]:

- ischaemic heart disease (IHD)
- heart failure
- peripheral vascular disease
- cerebrovascular disease (including stroke) which affects blood vessels in the brain
- rheumatic heart disease (RHD).

The term also includes high blood pressure which is associated with CVD^[2]. CVD is a serious problem for the Aboriginal and Torres Strait Islander population^[3]. Many people report having CVD, and it is a leading cause of both hospitalisation and death.

Prevalence

The National Aboriginal and Torres Strait Islander Health Survey (NATSIHS) 2018-19^[4] reported:





CVD was slightly higher among males than females





among those aged 55 years +



In 2018-19, about **one quarter of Aboriginal and Torres Strait Islander adults had high blood pressure**^[4]. Other health conditions like diabetes and chronic kidney disease can also increase the risk of developing CVD^[7].

Due to the high prevalence of CVD among Aboriginal and Torres Strait Islander people, it is now recommended for all adults to participate in regular screening for CVD risk factors from the age of 18 years^[7].







16,124 hospitalisations for CVD in 2018-19^[8]

5.4% of all Aboriginal and Torres Strait Islander hospitalisations

At a crude rate of 19 per 1,000

Although rates of CVD are highest among older people, CVD is recognised as having a substantial impact on younger Aboriginal and Torres Strait Islander people.

22 in every 1,000

2015-17 rate of hospitalisations for for CVD in Aboriginal and Torres Strait Islander **people aged 35-44** ^[9].



Deaths

About one quarter of all deaths were caused by CVD in 2014-2018^[9].



IHD was the leading cause of deaths in 2019^[10].



The rates of deaths due to **IHD increased with age**, however, concerningly, it was the leading cause of death among the **35-44 year age group** and the fourth leading cause of death among the **25-34 year age group** in 2019^[10].

Acute rheumatic fever (ARF) and rheumatic heart disease (RHD)

ARF and RHD are preventable health problems that affect many Aboriginal and Torres Strait Islander people and communities^[11]. RHD occurs when ARF, a sickness caused by the germ *Streptococcus*, leads to permanent damage to the heart valves. Risk factors for ARF include overcrowding and poor sanitation^[11, 12].

In NSW, Qld, WA, SA and the NT, from 2015 to 2017_1 , there were ^[13]:



¹ Among Aboriginal and Torres Strait Islander people <45 years.



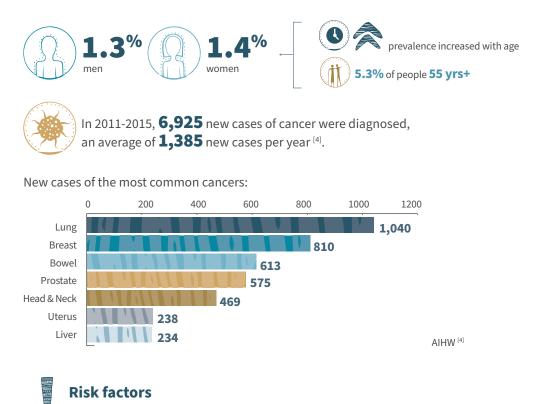
Cancer

among Aboriginal and Torres Strait Islander people

Cancer (also known as neoplasms) is the term used for a number of related diseases that cause damage to healthy body cells causing them to grow abnormally^[1]. Cancer can start almost anywhere in the body and there are more than 200 types of cancer^[2]. The location in the body where the cancer cells begin forming is known as the primary site. For example, lung cancer begins in the lungs. When cancer cells spread to other parts of the body parts it is known as 'metastasis'. The information available about cancer incidence, hospitalisations and deaths generally only identifies the primary site of cancer, even if it has spread.

Incidence and prevalence

In the 2018-19 NATSIHS ^[3], **1.3%** of Aboriginal and Torres Strait Islander people reported having neoplasms (including both cancerous and non-cancerous tumours).



Different types of cancer have different risk factors and sometimes cancers can develop for no known reason^[5]. Risk factors for the common types of cancer include^[6]:



The high incidence of some types of cancer among Aboriginal and Torres Strait Islander people can be partly explained by the higher level of risk factors, most notably smoking^[7]. This is the main contributing factor to the high incidence of lung cancer.





For the period 2006-2015, the likelihood of surviving five years after a cancer diagnosis was 51%^[4].



The relative survival rates for males was lower than for females.



The highest observed survival rates were found in prostate cancer, while lung cancer had the lowest^[4].



In 2018-19, there were 9,357 hospitalisations for cancer, representing 3.1% of all hosptialisations^[8].

In 2015-17, there were 24,871 cancer-related hospitalisations^[4].

Of these, **10,323** were for cancer as the principal diagnosis, at a rate of **12 per 1,000**



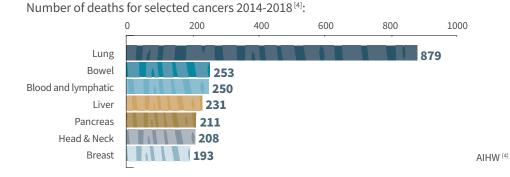
There were 3,340 deaths due to cancer in 2014-2018, at a rate of 221 per 100,000 [4]



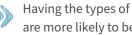
Deaths



Cancers of the trachea, bronchus and lung combined were the fourth highest overall cause of death in 2019^[9].



Factors contributing to cancer deaths^[10-12]:



Having the types of cancers that are more likely to be fatal.

Being more likely to present with co-morbidities (other chronic conditions).

Being diagnosed with cancer at a later stage.

No treatment, or inadequate treatment.





Diabetes

among Aboriginal and Torres Strait Islander people

Diabetes (diabetes mellitus) is a chronic condition where the body cannot properly process glucose (sugar) from food ^[1]. Diabetes is treatable but can lead to life-threatening health complications if left untreated or not managed well ^[2].

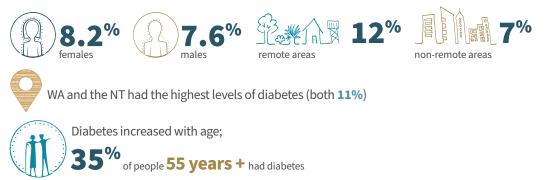
There are different types of diabetes with the three most common being:

- type 1 diabetes
- type 2 diabetes
- gestational diabetes mellitus (GDM) (a type of diabetes that occurs in pregnancy).

Diabetes is a serious problem for the Aboriginal and Torres Strait Islander population ^[2]. The most common form is type 2 diabetes, which occurs at earlier ages for Aboriginal and Torres Strait Islander people than for non-Indigenous people and is often undetected and untreated.

Incidence and prevalence

In the 2018-19 NATSIHS **7.9%** of people self-reported diabetes ^[3]:



High sugar levels (HSL) are a pre-cursor to diabetes. In the 2018-19 NATSIHS, **13% of adults** reported having HSL and/or diabetes^[4]:



In 2019, the incidence rate for type 1 diabetes was 13 per 100,000 [5].

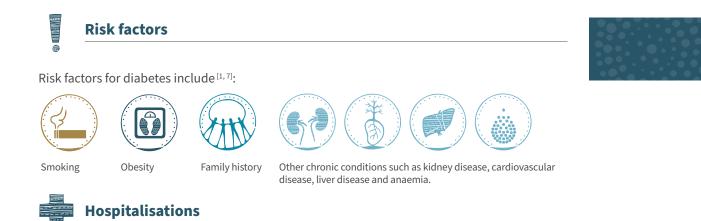


per 100,000



In 2017-18, there were **1,715 new cases of GDM** among Aboriginal and Torres Strait Islander women aged 15-49 years^[6].





Hospital services are usually required to treat the advanced stages of complications of diabetes or acute episodes^[2].

In 2015-17, there were 6,504 hospitalisations for diabetes [4]:

Crude rate of **4.1 per 1,000**

In 2017-18, there were **1,016** hospitalisations for **type 1** diabetes as a main diagnosis ^[8]:

The crude rate as a main or additional diagnosis was

3.7 - per 1,000 -Ω **3.7** females

There were **2,504** hospitalisations for **type 2** diabetes as a main diagnosis.

The crude rate as a main or per 1,000 additional diagnosis was^[6]



99 71 females males

3.8

males

2.3x higher for those living in remote and very remote areas (8.4 per 1,000) than for those living in major cities (3.6 per 1,000)^[8].

In 2017-18, there were **589 hospitalisations** for diabetes as the main diagnosis **during pregnancy (GDM)** ⁽⁹⁾.

The rate of GDM was more than 5x higher for those living in remote and very remote areas (119 per 1,000) than for those living in major cities (22 per 1,000).



Diabetes was the third leading cause of death for Aboriginal and Torres Strait Islander people in 2019^[10].



Kidney health

among Aboriginal and Torres Strait Islander people

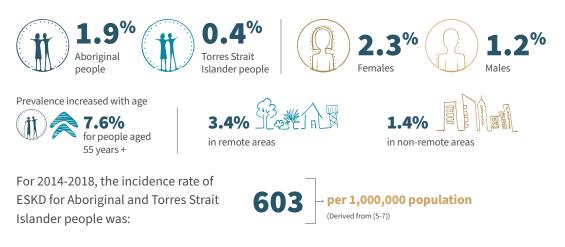
Keeping the kidneys healthy is important because they help the body by removing waste and extra water, and keeping the blood clean and chemically balanced^[1]. If the kidneys stop working properly, waste can build up in the blood and damage the body^[2]. Many people are unaware that they have kidney disease as up to 90% of kidney function can be lost before symptoms appear.

Kidney disease is a serious health problem for many Aboriginal and Torres Strait Islander people, in particular chronic kidney disease (CKD) and end-stage kidney disease (ESKD).

Incidence and prevalence

For the 2012-13 AATSIHS, **18%** of Aboriginal and Torres Strait Islander adults had biomedical signs of CKD¹³.

For the 2018-19 NATSIHS, **1.8%** of Aboriginal and Torres Strait Islander people reported kidney disease as a long-term health condition^[4].



Risk factors

Risk factors for kidney disease which can be changed or controlled include ^[2, 8]:



or obese



pressure





Risk factors for Aboriginal and Torres Strait Islander people that cannot be changed or controlled include:





Family history of CKD



Acute kidney injury





disease

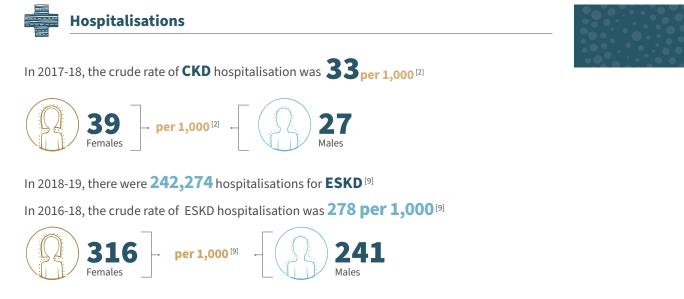


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In 2016-18, the rate for people living in remote and very remote locations (681 per 1,000) was **5x higher** than for those living in major cities (137 per 1,000)^[9].

Managing kidney disease may involve dialysis, which involves artificially filtering the blood. This often requires the patient being admitted to hospital, although in some circumstances the treatment can be performed at home. If kidney disease is left untreated a kidney transplant may be required ^[2]. Kidney disease impacts a patient's quality of life as well as those who care for them ^[10-12]. Treatments can be expensive and require frequent travel to medical facilities ^[13].

Dialysis:



Dialysis is the most common reason Aboriginal and Torres Strait Islander people are hospitalised^[14].

In 2017-18, the rate of hospitalisation for regular dialysis was 284 per 1,000^[2].

In 2019, **378** people commenced dialysis, **up from 322** in 2018^[15].

Kidney transplants: In 2019, there were 55 transplant operations^[15].



In 2019, there were 83 deaths due to diseases of the urinary system

(including disorders of the bladder and urethra, as well as disease of the kidneys and ureters) It was the 8^{th} underlying cause of death for women and the 14^{th} underlying cause of death for men^[16].

For 2016-2018, the crude death rate for CKD as an underlying or associated cause of death was



In 2018, 217 Aboriginal and Torres Strait Islander people who were receiving dialysis died ^[17]. The most common causes of death for the dialysis patients were CVD (64 deaths) and withdrawal from treatment (51 deaths).



Sexual transmitted infections

among Aboriginal and Torres Strait Islander people

Sexually transmissible infections (STIs) are spread through sexual contact and include:

- bacterial infections such as chlamydia, gonorrhoea and syphilis
- viral infections such as human papillomavirus (HPV) and genital herpes
- parasitic infections such as trichomoniasis.

Most STIs are treatable although early detection is important^[1]. Safe sex practices, such as using condoms, are recommended to prevent exposure and the spread of STIs.



In 2018, there were ^[2]:



Young people are particularly vulnerable to bacterial STIs^[3]. The median age of diagnoses in 2017:

 chlamydia	21 years
gonorrhoea	22 years
syphilis	27 years

In 2017, **people aged 15-29 years** accounted for **82% of chlamydia notifications** in the Aboriginal and Torres Strait Islander population.

In 2017^[3]:

) Females were **2x** more likely to be diagnosed with chlamydia than males.

Females were **1.2x** more likely to be diagnosed with gonorrhoea than males.

Syphilis notifications were **50%** for males and females.



In 2017, **Qld** (45%) and the **NT** (35%) accounted for **80% of the syphilis** notifications from all states and territories, with WA having the next highest reported notifications (9.2%)^[3].

For more information about STIs and other aspects of sexual health visit the Australian Indigenous Health*InfoNet's* **new online sexual health portal** [healthinfonet.ecu.edu.]

1. A disease required by law to be reported to government authorities in order to monitor its spread.

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Environmental health

among Aboriginal and Torres Strait Islander people

Environmental health refers to the physical, chemical and biological factors which impact a person's health and wellbeing such as: housing conditions; drinking water; air quality; sanitation; disease control and food safety^[1,2]. Health conditions associated with poor environmental health include:

- infectious diseases of the bowels (such as 'gastro')
- skin infections (such as scabies, boils)
- middle ear infections

- chronic diseases (such as ARF)
- respiratory issues
- some cancers^[3, 4].

Aboriginal and Torres Strait Islander people are disproportionately affected by the diseases associated with environmental health due to:

- the remoteness of some communities
- lack of adequate housing
- lack of cleaning, health and personal care equipment
- poor infrastructure
- lack of access to tradespeople and repairs

Highest in the **NT (51%)** and

lowest in the ACT (8%) [1].

the cost of maintenance^[2-5].

In 2018-19, overcrowding was:



Overcrowding



18% of Aboriginal and Torres Strait Islander people were living in an **overcrowded** house in 2016



Infrastructure

In 2018-19^[1]:

94% of households in major cities reported functioning facilities for washing people, bedding and clothes, preparing/storing food and sewerage.

80% of Aboriginal and Torres Strait Islander households reported living in housing of an acceptable, standard.

- **33%** of Aboriginal and Torres Strait Islander households reported major structural issues, **compared with 26%** in 2014-15.
- Households with major structural issues increased with remoteness.

Hospitalisations for diseases related to environmental health







2014-18^[1]

2018-19[1]

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acute upper respiratory infections

^{1.} Housing of an 'acceptable' standard must have at least four working household facilities and not more than two major structural problems^[1].

Social and emotional wellbeing

(including mental health) among Aboriginal and Torres Strait Islander people

For many Aboriginal and Torres Strait Islander people, social and emotional wellbeing (SEWB) includes mental health and also:

- connection to country
- culture
- spirituality
- the body and emotions
- ancestry, family and community^[1,2].

Colonisation has had a long-lasting impact on the wellbeing of Aboriginal and Torres Strait Islander people through experiences such as:

- discrimination and racism
- economic exclusion
- child removal by the state
- exposure to violence
- grief and loss
- intergenerational trauma^[3-5].

Factors that have been found to support wellbeing include:

- cultural continuity
- self-determination
- supporting Indigenous knowledge systems
- maintaining family networks
- strong community governance^[2, 5].

Prevalence

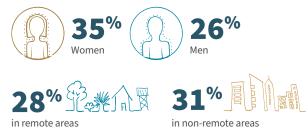
Psychological distress

In the 2018-19 NATSIHS, **31%** of Aboriginal and Torres Strait Islander respondents aged 18 years and over reported high or very high levels of psychological distress ^[6].





More women reported high or very high levels of psychological distress compared with men.



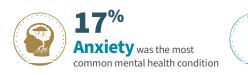


Mental health conditions

In the 2018-19 NATSIHS ^[6]:



25% of Aboriginal and **17%** of Torres Strait Islander people aged two years and over were reported as having a mental and/or behavioural condition.



Mental health conditions were more likely to be reported by people living in non-remote areas 13% Depression was the second most common mental health condition





compared with remote areas.

In 2018-19^[7]:

There were **23,700** hospitalisations of Aboriginal and Torres Strait Islander people for **mental** and **behavioural** disorders.

Intentional **self-harm**¹ was responsible for **2,980** hospitalisations.



of all hospitalisations

Deaths

In 2019, **195 people died** from intentional self-harm (suicide)^[8].

Suicide was the fifth leading cause of death overall in 2019 for Aboriginal and Torres Strait islander people.

Suicide was



X3 more likely to be a cause of death for males as for females

Between 2015-2019, the rate of suicide deaths increased from [8]:



WA consistently records the highest death rates for suicide.

^{1.} Intentional self-harm as a principal diagnosis for external causes of injury or poisoning for Aboriginal and Torres Strait Islander people.

Alcohol use

among Aboriginal and Torres Strait Islander people

Drinking too much alcohol, both on single drinking occasions (binge drinking) and over a person's lifetime can lead to health and social harms including:

- chronic diseases
- injury and transport accidents
- mental health disorders

- intergenerational trauma
- violence

Alcohol use not only affects individuals, but also families and the wider community^[1,2].

The 2020 National Health and Medical Research (NHMRC) Australian guidelines to reduce health risks from drinking alcohol provide recommendations on reducing the risk of alcohol-related harm for adults, young people, and women who are pregnant or breastfeeding^[3]:

- Guideline 1 recommends that to reduce the risk of alcohol-related disease or injury, men and women should drink no more than four standard drinks on any day or no more than 10 standard drinks in a week.
- Guideline 2 recommends that to reduce the risk of alcohol-related harm and injury, children and people aged under 18 years should not drink alcohol.
- **Guideline 3** recommends that to prevent alcohol-related harm to an unborn child, women who are planning a pregnancy, or who are pregnant, should not drink alcohol. For women who are breastfeeding, not drinking alcohol is the safest option for their baby.

Abstinence and alcohol consumption

The following information was self-reported by participants in the 2018-19 NATSIHS^[4]:

Abstinence (no consumption of alcohol) in the last 12 months

of Aboriginal people



aged 18 years or older had not drunk alcohol or had not done so for more than 12 months.



The proportion of people who were abstinent was highest for **aged 55 years** and older.





in major cities

The proportion of people who were abstinent was higher for people living in remote and very remote areas than non-remote areas

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^{1.} The 2018-19 NATSIHS assessed a person's alcohol consumption for short-term and lifetime risk using the previous (2009) NHMRC alcohol guidelines.



Illicit drug use

among Aboriginal and Torres Strait Islander people

Illicit drug use is the use of illegal drugs such as cannabis, heroin, cocaine and methamphetamine, as well as the use of prescribed drugs, such as painkillers, in ways in which they were not intended or prescribed ^[1, 2]. Illicit drug use is associated with an increased risk of mental illness, poisoning, self-harm, infection with blood borne viruses from unsafe injection practices, chronic disease and death ^[3-5].

Most Aboriginal and Torres Strait Islander people do not use illicit drugs^[6-8].

Prevalence

In the 2019 National Drug Strategy Household Survey (NDSHS)^[8]:

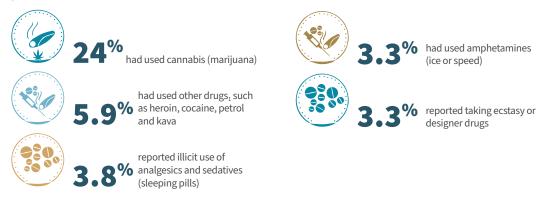


of people aged 14 years + reported they had used illicit drugs in the previous 12 months



of people aged 14 years + had **Never used illicit drugs** or had not done so in the past 12 months

In the 2018-19 NATSIHS^[7], people aged 15 years + reported **specific drug** use over the previous 12 months:



Illicit drug use was **1.8x** higher among males than females^[7]:



In 2018-19, the most common principal drugs of concern that Aboriginal and Torres Strait Islander people **sought treatment** for were **amphetamines**, **cannabis and heroin** ^[9].

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^{1.} Drugs included in the 'other' category includes heroin, cocaine, petrol, LSD/synthetic hallucinogens, naturally occurring hallucinogens, kava, methadone and other inhalants.





The top two reasons for **drug-related hospitalisations** among Aboriginal and Torres Strait Islander people in 2018-19 were **mental and behavioural disorders** (crude rate of 4.7 per 1,000) and **poisoning** (crude rate of 3 per 1,000)^[10].

The **most common drugs** to cause mental and behavioural disorders requiring hospitalisation in 2016-18 were^[7]:



Hospitalisation rates due to drug use were higher in major cities than in inner and outer regional areas, and remote and very remote areas^[10].





Deaths

For the period 2014-2018 [10]:

Rates of drug induced deaths were **1.5x** higher for males (17 per 100,000) than for females (11 per 100,000)



The highest rate of drug-induced deaths for Aboriginal and Torres Strait Islander people was recorded in SA





Volatile substance use

Volatile substance use (VSU) involves sniffing inhalants - substances that give off fumes such as petrol, paint, glue or deodorants^[11]. Sniffing can have serious short and long-term health effects, including a condition known as sudden sniffing death which causes the heart to stop within minutes^[12].

In the 2014-15 NATSISS, 0.7% of Aboriginal and Torres Strait Islander people aged 15 years and over reported using petrol and other inhalants in the 12 months prior to the survey [13].

Rates of hospitalisation caused by VSU for 2016-18^[10]:

Toxic effect of organic solvents (e.g. petrol) 0.04
Accidental poisoning from organic solvents 0.02
oural disorders from use of volatile substances 0.05

per 1,000

Mental/behavio

Overall, the number of people using volatile substances is small but the issue of VSU is still a concern in some communities [14]. Positively, one study reported a 95% reduction of VSU between 2006 and 2018, attributed to the replacement of regular unleaded petrol with low aromatic fuel (LAF).

2. ICD code F15 hospitalisation from use of other stimulants includes amphetamine-related disorders and caffeine but not cocaine.

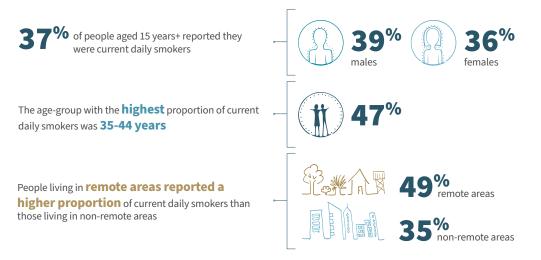
Tobacco use

among Aboriginal and Torres Strait Islander people

Tobacco smoking increases the risk of chronic disease, such as CVD, many forms of cancer, and lung diseases, as well as being a risk factor associated with preterm birth and LBW ^[1]. Environmental tobacco smoke (passive smoking) can also make people sick, especially children. Passive smoking is a risk factor for children who are particularly susceptible to middle ear infections, asthma and increased risk of SIDS.

Smoking among Aboriginal and Torres Strait Islander people

In the 2018-19 NATSIHS [2]:



Passive smoking reported in the 2014-15 NATSISS^[3]

of Aboriginal and Torres Strait Islander children aged 0-14 years lived in households with a daily smoker.



For those children living with a daily smoker, % were living in households where people smoked indoors.

The good news is the proportion of **young people starting to smoke has decreased**, which will result in improved health outcomes over time.

Daily smoking rates reduced between the 2012-13 AATSIHS and the 2018-19 NATSIHS^[2]:

15-17 year olds decreasing from 18% to %

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18-24 year olds decreasing from 42% to %

25-34 year olds decreasing from 52% to %



In a 2017 survey, **70%** of Aboriginal and Torres Strait Islander students (aged 12-17 years) had never smoked tobacco, a significant increase from 49% in 2005^[4].



The proportion of Aboriginal and Torres Strait Islander mothers who reported smoking during pregnancy has decreased from 52% in 2009 to **44%** in 2018^[5].

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