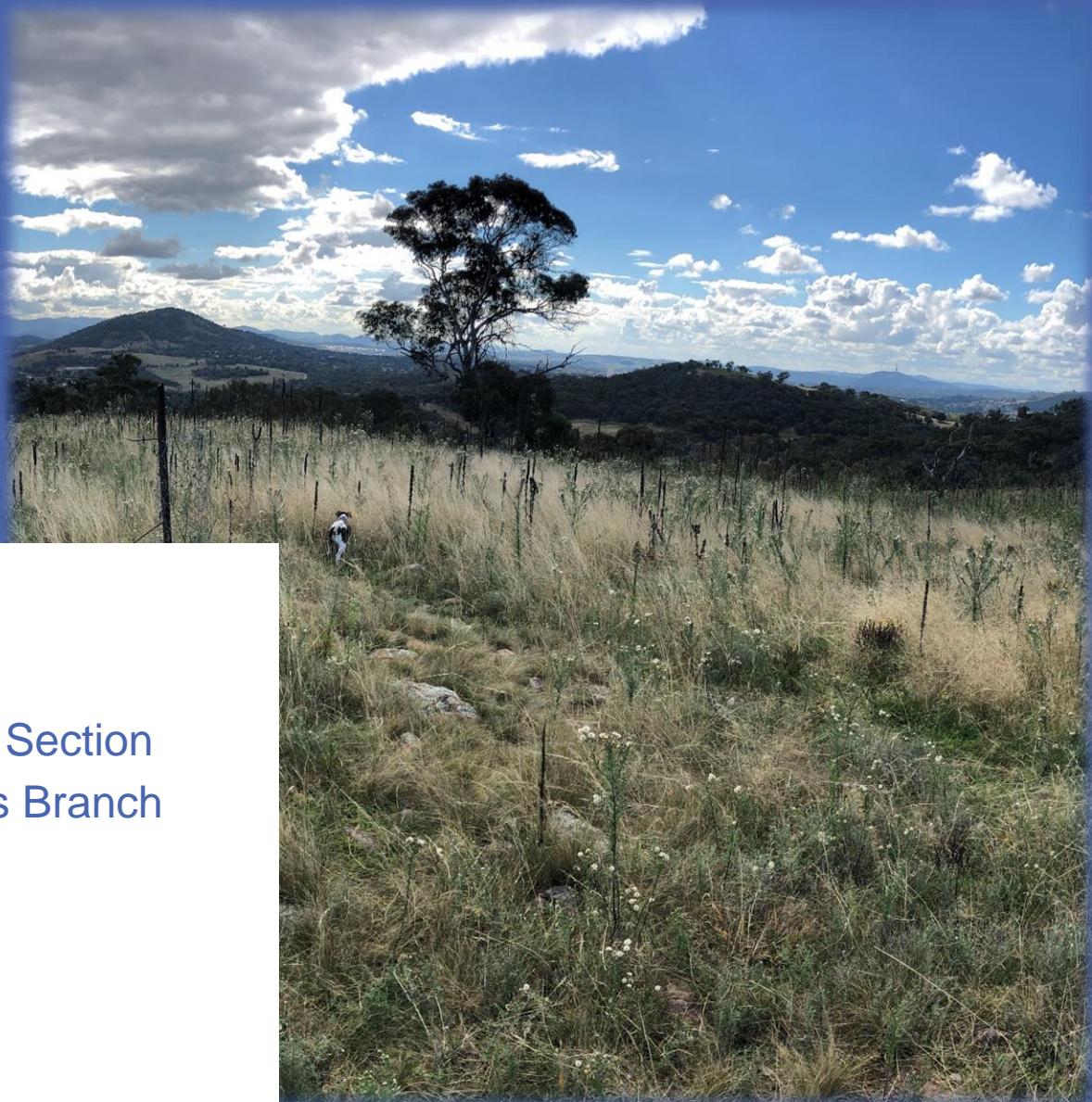




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Serious injuries among children and young people in the ACT 2000–2020



Epidemiology Section
Data Analytics Branch

June 2023

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Epidemiology section

Data Analytics Branch

2023

Acknowledgments

This report was written by Glenn Draper, Zoe Pollock and Louise Freebairn of the Epidemiology Section, Data Analytics Branch, ACT Health Directorate. Additional support and comments were provided by Pramod Adhikari, Alex Rauli, and Elizabeth Chalker from the Epidemiology Section and Will Constantine from the ACT Children & Young People Death Review Committee. We would also like to thank the members of the ACT Children & Young People Death Review Committee.

ISSN 1325-1090

Australian Capital Territory, Canberra, 2023

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Suggested citation:

Draper G, Pollock Z & Freebairn L (2023). Serious injuries among children and young people in the ACT, 2000–2020. ACT Government, Canberra ACT.

ACKNOWLEDGEMENT OF COUNTRY

ACT Health acknowledges the Traditional Custodians of the land, the Ngunnawal people. ACT Health respects their continuing culture and connections to the land and the unique contributions they make to the life of this area. ACT Health also acknowledges and welcomes Aboriginal and Torres Strait Islander peoples who are part of the community we serve.

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1. Executive Summary

Injury is the leading cause of death and a major contributor to physical disability and psychological trauma for children and young people. This report, requested by the ACT Children & Young People Death Review Committee examines the burden, severity and trends in childhood injury. A retrospective analysis of Australian Capital Territory (ACT) resident children and young people aged 0–24 years who were hospitalised for an injury between 1 July 2000 and 30 June 2020 was conducted. Data is presented by three age groups: 0–12 years, 13–18 years and 19–24 years. International Classification of Injury Severity Scores, developed by Macquarie University, were applied to provide a more nuanced view of injuries that have a higher impact on children and young people in the ACT.

Key findings were:

- Between 2000/01 and 2019/20 the number of injury-related hospitalisations for young people aged 0–24 steadily increased (from a total of 1,152 hospitalisations in 2000/01 to 2,941 hospitalisations in 2019/20).
- The age-standardised rate for injury-related hospitalisations for males aged 0–24 years increased by an average of 2.8% per year (from 13.2 hospitalisations per 1,000 persons to 24.3) and by an average of 4.8% for females (from 7.0 hospitalisations per 1,000 persons to 17.4).
- The majority of injury-related hospitalisations were classified as minor, however the proportion of injuries classified as moderate or serious increased with age.
- Across all age groups, the leading nature (type) of injury was injuries to the head. The severity of injuries to the head increased with age (for children aged 0–12 years 4% were classified as moderate or severe, 25% for those aged 13–18 years and 60% for those aged 19–24 years).
- The leading cause of injury for all ages was slipping, tripping, stumbling and falls. A similar pattern of injury severity increasing with age was also observed. After falls, the leading cause of injury differed by age group. For children aged 0–12 years it was exposure to inanimate mechanical forces (e.g., car accident), for children aged 13–18 years and young people aged 19–24 years, intentional self-harm was the next most frequent cause of injury.
- The place of occurrence of injury varied by age group. For children aged 0–12 years the leading place of injury occurrence was the home, for young people aged 13–18 years it was sports and athletics areas and for young people aged 19–24 years it was education facilities, other institutions and public administration areas.
- For children aged 0–12 years, the most common activity leading to injury was wheeled non-motored sports (i.e., cycling), whereas for young people aged 13–18 years and 19–24 years, team ball sports were the leading activity.

2. Introduction

2.1 Project background

Injury is the leading cause of death and a major cause of disability for children and young people. [1] Injuries that occur throughout childhood can potentially lead to negative consequences that may last a lifetime and can include physical disability and life-long psychological trauma for both the young person and their families.

In the ACT, the ACT Children & Young People Death Review Committee (the Committee) is committed to reducing the number of preventable deaths that occur among young Territorians and, routinely reviews all child deaths that occur within the ACT. The Committee is also legislated to identify areas requiring further research. To gain a better understanding of the circumstances leading to accidental death, the ACT Minister for Families and Community Service, and Minister for Health, agreed for the Committee to scope the extent of serious injury among children and young people in the ACT. The Epidemiology Section, located within the ACT Health Directorate's Data Analytics Branch was tasked with developing a method to classify injury severity and to provide an analytical breakdown of serious injury among Territorians aged 0–24 years over the past 20 years.

The overall aim of this project was to understand the burden and severity of hospitalised childhood injury in the ACT between 1 July 2000 and 30 June 2020. This can help shape injury prevention strategies, policy prioritisation and resource allocation in the ACT.

2.2 Methodology

This research involved a retrospective analysis of ACT resident children and young people aged 0–24 years hospitalised for an injury between 1 July 2000 and 30 June 2020. Data is presented by three age groups: 0–12 years, 13–18 years and 19–24 years. Hospitalisations were combined into four, five-year periods based on financial years.

Hospital separations

Hospital separations (defined as the end of an episode of care for an admitted patient i.e., discharged from hospital) were extracted from the ACT Admitted Patient Care Collection (APC). This included information on all patient admissions from public and private hospitals that were reported to the ACT Health Directorate throughout the study period. Please note that records for private hospitals in the ACT are incomplete and caution should be taken when interpreting results (see Appendix Table 13). Only individuals with a usual residential address within the ACT were included in the analysis as this is the scope of the Committee. Diagnoses and external cause codes were classified using the International Classification of Diseases, 10th Revision, Australian Modification (ICD-10-AM). Injury-related hospitalisations with a principal diagnosis of S00–T98, Chapter XIX Injury, poisoning and certain other consequences were extracted. External cause codes (V01-Y98) were used to provide further information related to the injury, including cause, activity and location of the event.

Injury severity

Injury severity classifications were based on research completed by Associate Professor Rebecca Mitchell and colleagues from the Centre for Healthcare Resilience and Implementation Science, Australian Institute of Health Innovation at Macquarie University. [2] The research team has made their survival risk ratios (SRRs) concordance files available for download. [3]

SRRs were calculated based on the International Classification of Injury Severity Score (ICISS) methodology which can be used to estimate injury severity using ICD-10-AM injury diagnosis classifications and survival risk ratios (SRRs) for each diagnosis. The SRR represents the ratio of the number of individuals with each injury diagnosis who did not die and the total number of individuals with the injury diagnosis. Separate SRRs have been created for adults (defined as over 16 years) and children (under 16 years). For the present study, child SRRs were applied to those aged 16 years or younger at hospitalisation and adult SRRs were applied to those aged greater than 16 years and less than or equal to 24 years at hospitalisation.

Three different ICISS levels were used for classification of injury. [4]

- Minor (>0.99)
- Moderate (0.941–0.99)
- Serious (<0.941)

For example, the diagnostic code S12.0—Fracture of first cervical vertebra, received an SRR of 0.97037037 and would be classified as a moderate injury. This indicates that, on average, patients hospitalised with this injury have around a 97.0% chance of surviving the injury, or alternatively, a 3.0% risk of death.

Data analysis

Analysis for the present project was completed using STATA version 17.0.

Denominators were obtained from the Australian Bureau of Statistics (ABS) Estimated Residential Populations (ERP). [5] Populations were classified into three categories: 0–12 years, 13–18 years and 19–24 years to reflect the different vulnerabilities and risks associated with injury as children develop. Rates were calculated using three year rolling averages. For overall trends in injury, rates were presented per 1,000 people and directly age-standardised to the total Australian population as at 30 June 2001. For analysis of injury severity, rates were presented per 100,000 people due to small numerators.

3. Overall trends in injury

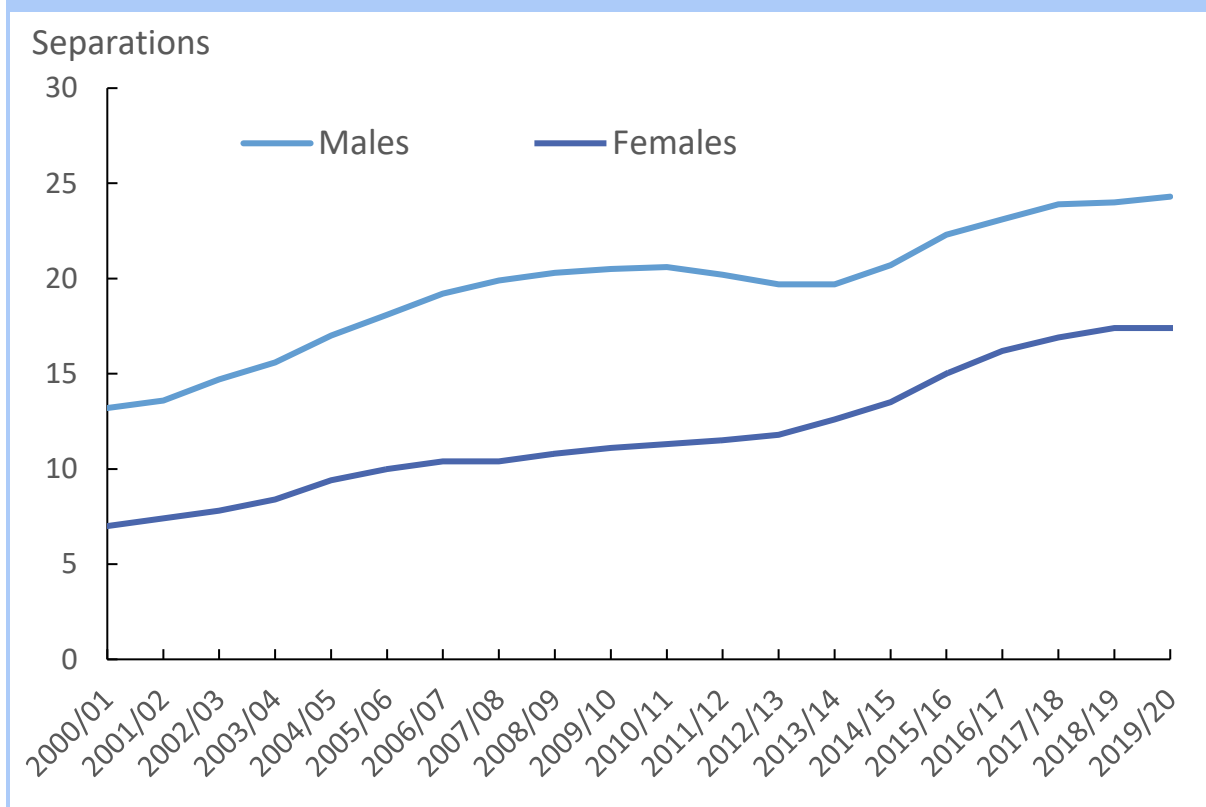
Between 2000/01 and 2019/20 there were 40,432 injury-related hospitalisations for ACT-resident children and young people aged 0–24 years. The number of injury-related hospitalisations increased steadily between 2000/01 and 2019/20 (see Appendix Table 1 for detailed breakdown).

Injury by sex over time

Of all the injury-related hospitalisations recorded between 2000/01 and 2019/20, 63.5% were males and 36.5% were females. Age-standardised hospitalisation rates for both ACT males and females aged 0–24 years increased significantly between 2000/01 and 2019/20 (Figure 1).

The injury-related, age-specific hospitalisation rate for boys aged 0–12 years increased from 11.2 hospitalisations per 1,000 persons in 2000/01 to 17.5 hospitalisations per 1,000 persons in 2019/20 (Appendix Table 1). Similar increases were recorded for young males aged 13–18 years and 19–24 years (15.4 to 33.4 hospitalisations per 1,000 persons and 15.4 to 29.9 hospitalisations per 1,000 persons respectively). Injury-related hospitalisations for girls aged 0–12 years increased from 7.8 hospitalisations per 1,000 persons in 2000/01 to 13.1 hospitalisations per 1,000 persons in 2019/20. Hospitalisation rates for young females aged 13–18 years and 19–24 years increased from 6.2 to 19.8 hospitalisations per 1,000 persons and 7.0 to 17.4 hospitalisations per 1,000 persons respectively.

Figure 1: Age-standardised hospitalisation rates per 1,000 persons, all injuries by sex, persons aged 0–24 years, ACT, 2000/01 to 2019/20



Notes: Age-standardised to the total Australian population as at June 30, 2001.

Data based on three-year rolling averages.

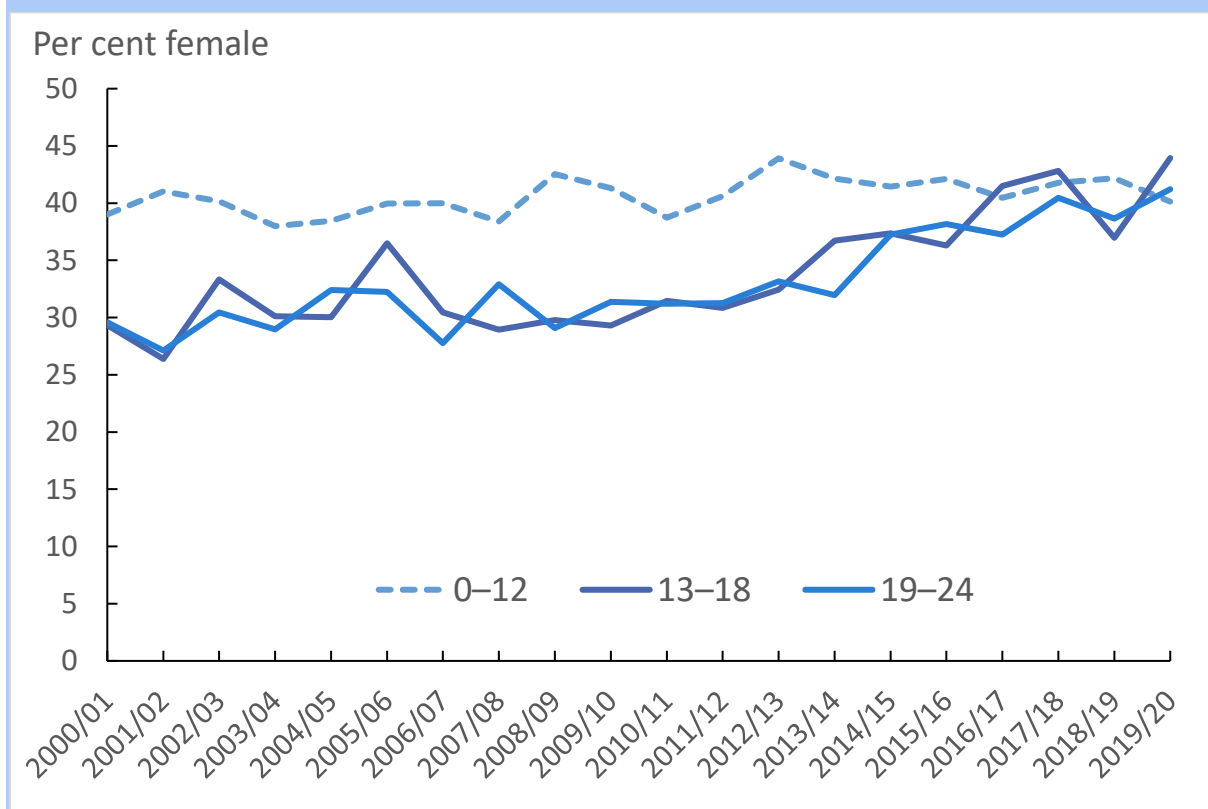
Source: ACT Admitted Patient Care data collection.

Substantial increase in female injury presentations

Although increases in injury were seen across both sexes between 2000/01 and 2019/20, females saw a larger increase than males. Rates for males increased by an average of 2.8% per year from 13.2 hospitalisations per 1,000 persons in 2000/01 to 24.3 in 2019/20. Over the same period, injury-related hospitalisations for females increased by an average of 4.8% per year, from 7.0 to 17.4 hospitalisations per 1,000 persons.

The increase in female injury-related hospital presentations was seen most prominently in older females. As a proportion of all injury-related hospitalisations among young people aged 13–18 years, 29.3% were female in 2000/01, increasing to 43.9% in 2019/20. Over the same period among those aged 19–24 years, the proportion of females increased from 29.6% to 41.2% of all injury-related hospitalisations (Figure 2).

Figure 2: Injury-related hospitalisations, per cent female, aged 0–24 years, ACT residents, 2000/01 to 2019/20



Source: ACT Admitted Patient Care data collection.

Injury by age over time

Over the five-year period 2000/01 to 2004/05, a total of 6,710 injury-related hospitalisations were recorded for Canberrans aged 0–24 years. This increased to 13,770 hospitalisations for the period 2015/16 to 2019/20 (Table 1).

In 2015/16 to 2019/20, age-specific injury-related hospitalisations per 1,000 persons were higher among young people aged 13–18 years (26.9) compared to those aged 0–12 years (14.5) and 19–24 years (24.9). Compared to the rates reported in 2000/01 to 2004/05, this represented a 49.5% increase for children aged 0–12 years, a 103.8% increase for young people aged 13–18 years and a 94.5% increase for those aged 19–24 years (Figure 3).

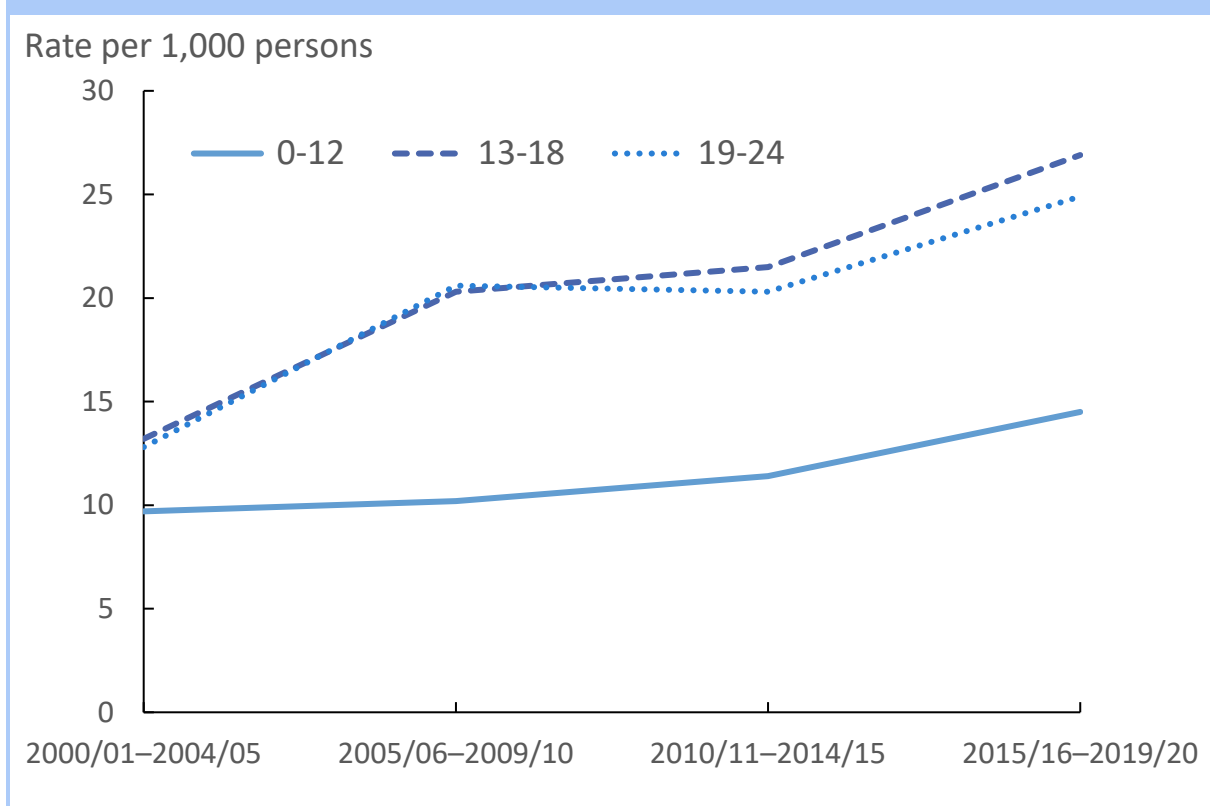
Table 1: Number of injury-related hospitalisations by year, persons by age group, ACT residents, 2000/01 to 2019/20

	0–12	13–18	19–24	Total
2000/01–2004/05	2,691	1,887	2,132	6,710
2005/06–2009/10	2,833	2,897	3,777	9,507
2010/11–2014/15	3,544	2,978	3,923	10,445
2015/16–2019/20	5,091	3,805	4,874	13,770

Note: Includes public and private hospitals.

Source: ACT Admitted data collection.

Figure 3: Age-specific hospitalisation rates, all injuries by age, ACT, 2000/01 to 2019/20



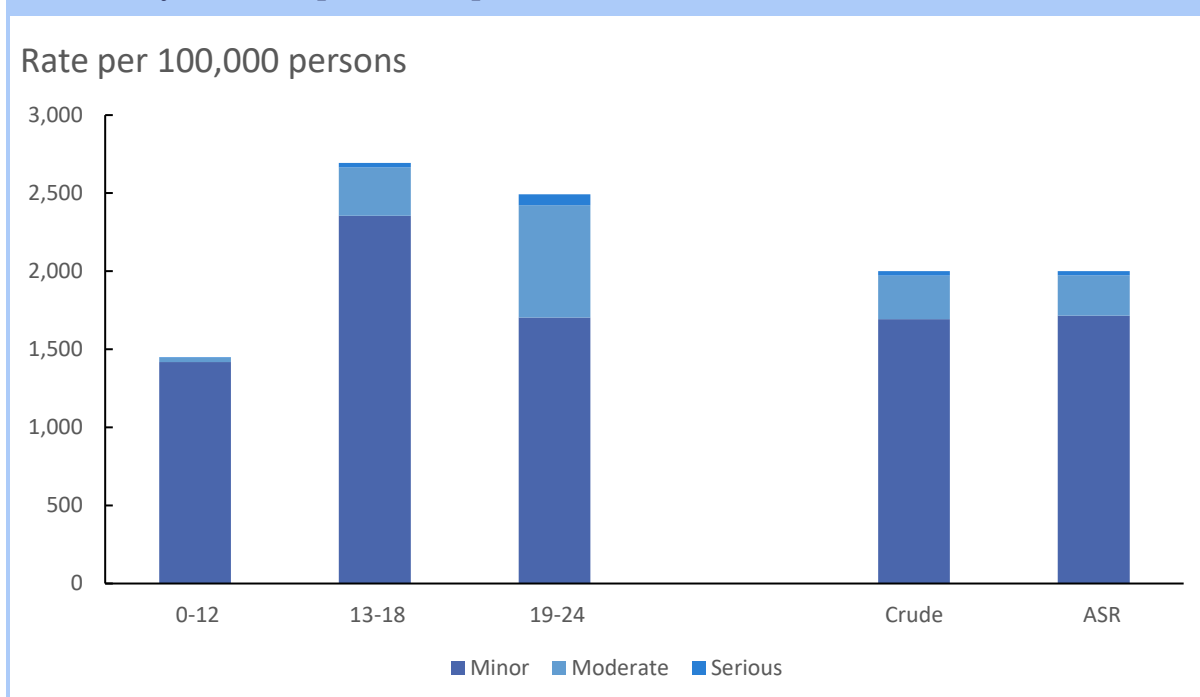
Source: ACT Admitted Patient Care data collection.

Injury by severity

Throughout the period 2015/16 to 2019/20, most injury-related hospitalisations for children aged 0–12 years were classified as minor (1,419 hospitalisations per 100,000 persons). This represented 98.0% of all injury-related hospitalisations for this age group. Injuries classified as moderate represented 1.7% of all injury-related hospitalisations for children aged 0–12 years, while serious injuries represented 0.3%.

For the same period, the proportion of injuries classified as moderate or serious increased with age. For young people aged 13–18 years, 11.5% of injuries were classified as moderate and 1.1% were serious. For persons aged 19–24 years, the proportion of injuries classified as moderate or serious was 28.8% and 2.8% respectively (Figure 4).

Figure 4: All injury-related hospitalisations by severity and age, persons aged 0–24 years, rates per 100,000 persons, ACT residents, 2015/16 to 2019/20



Notes:

Crude rates are raw number of hospitalisations per 100,000 people.

Age-standardised rates (ASR) have been calculated to adjust for differences in age structures in the population.

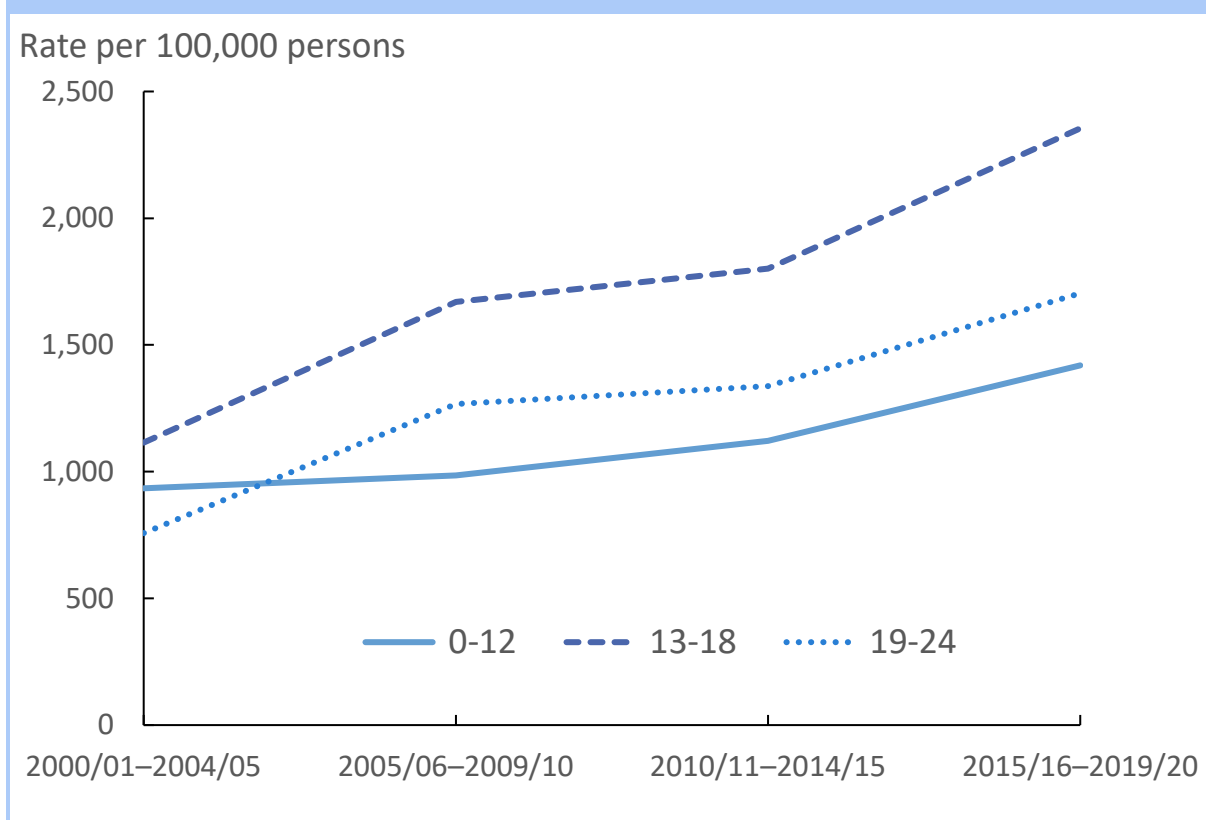
Source: ACT Admitted Patient Care data collection.

Minor injury

Of the three age groups reported, those aged 13–18 years recorded the highest hospitalisation rate for minor injuries for the period 2015/16 to 2019/20 (2,354.5 hospitalisations per 100,000 persons). This was substantially higher than the rates seen for young people aged 18–24 years (1,703.8 hospitalisations per 100,000 persons) and children aged 0–12 years (1,419.4 hospitalisations per 100,000 persons).

The rate of injuries classified as minor for children aged 0–12 years increased from 934.3 hospitalisations per 100,000 persons in 2000/01 to 2004/05 to 1,419.4 hospitalisations per 100,000 persons in 2015/16 to 2019/20. This represented an increase of 51.9%. Injury-related hospitalisations classified as minor among persons aged 13–18 years and 19–24 years increased by 111.2% and 125.0% respectively (Figure 5).

Figure 5: Age-specific rates per 100,000 persons for minor injuries, ACT residents, 2000/01 to 2019/20



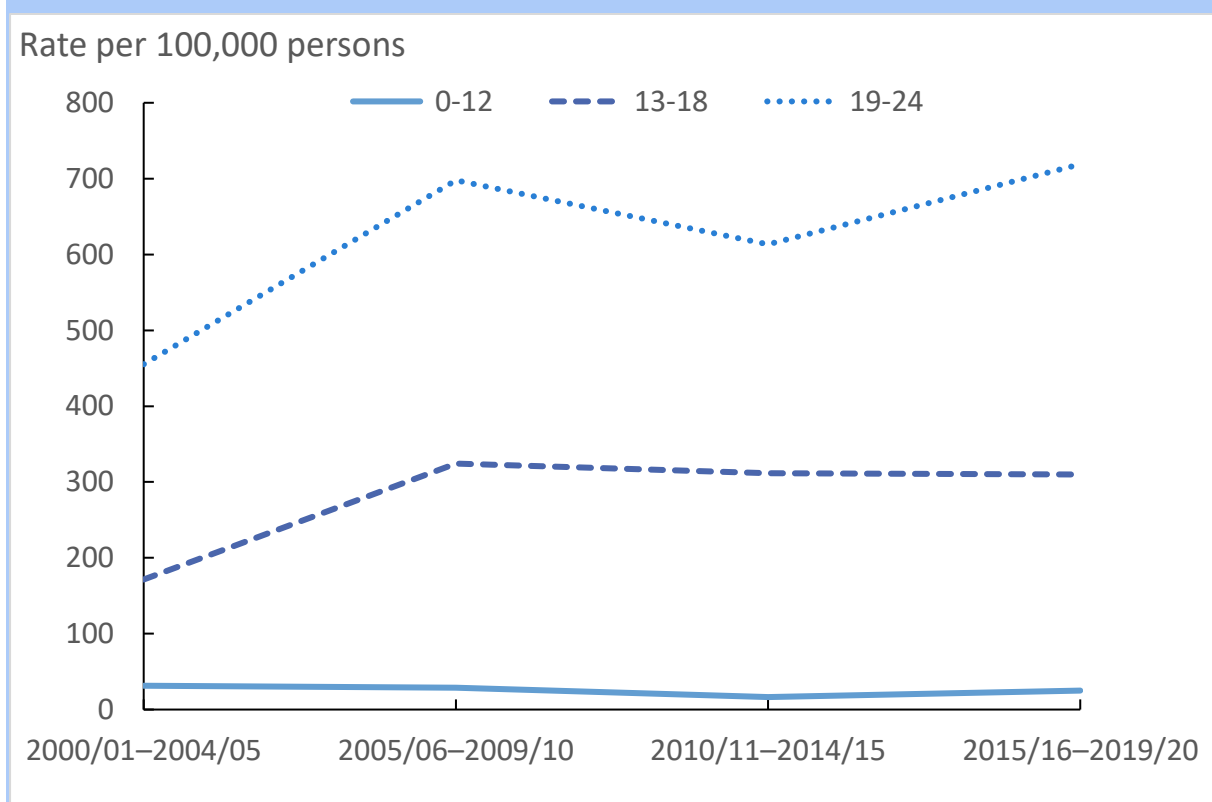
Source: ACT Admitted Patient Care data collection.

Moderate injury

Young Canberrans aged 19–24 years recorded consistently higher age-specific hospitalisation rates for injuries classified as moderate than their counterparts aged 0–12 years and 13–18 years. In 2015/16–2019/20, the age-specific injury rate for young people aged 19–24 years was 718.9 per 100,000, while those aged 0–12 years and 13–18 years recorded rates of 25.0 and 310.1 hospitalisations per 100,000 persons respectively (Figure 6).

Over the twenty-year period, the age-specific hospitalisation rate for moderate injuries among children aged 0–12 years remained relatively stable. For young people aged 13–18 years and 19–24 years the rates increased between 2000/01 and 2009/10 before remaining relatively stable to 2019/20.

Figure 6: Age-specific rates per 100,000 persons for moderate injuries, ACT residents, 2000/01 to 2019/20

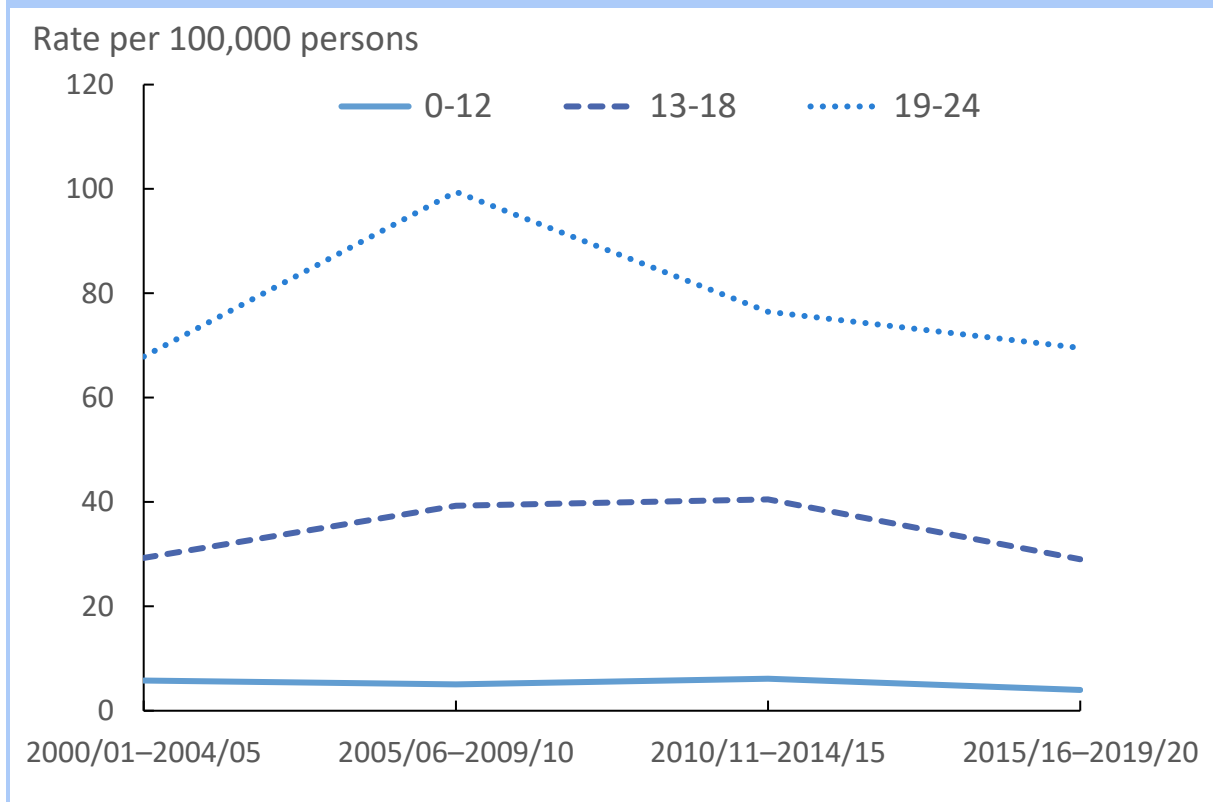


Source: ACT Admitted Patient Care data collection.

Serious injury

Young people aged 19–24 years recorded higher hospitalisation rates for serious injuries than their younger counterparts. Over the five-year period 2015/16 to 2019/20, the age-specific rate for serious injury among those aged 19–24 years was 69.5 per 100,000 persons, while those aged 0–12 years and 13–18 years reported rates of 4.0 and 29.0 hospitalisations per 100,000 persons respectively (Figure 7).

Figure 7: Age-specific rates per 100,000 persons for serious injuries, ACT residents, 2000/01 to 2019/20



Source: ACT Admitted Patient Care data collection.

4. Injury: leading nature, cause, place and activity

Figures 8–11 present injuries in relation to the following four categories for the most recent period; 2015/16 to 2019/20:

- Nature of injury (type)
- Injury cause
- Place of occurrence
- Activity leading to the injury.

These figures present the leading type/cause/place/activity for each age group based on the sum of injuries classified as either moderate or serious. While all injuries requiring hospitalisation can be considered serious, restricting cases to the sum of moderate and serious injuries focuses on injuries that may have more substantial health and other impacts on young people and their families in the ACT. For a breakdown of all injuries, including minor injuries, see Appendix Tables 2–12.

Leading nature of injury

Between 2015/16 and 2019/20, the leading nature of injury for all age-groups was injuries to the head. The proportion of head injuries defined as moderate or serious increased with age. Among children aged 0–4 years, around 4% of injuries to the head were classified as either moderate or serious. By comparison, 25% of injuries to the head among those aged 13–18 years and 60% of injuries to the head among those aged 19–24 years were classified as either moderate or serious (Figure 9).

For children aged 0–12 years, after injuries to the head, the leading types of moderate and serious injury were injury of the abdomen, back, spine, pelvis and genitals, followed by injuries arising from the effects of a foreign body entering a natural orifice, and injuries to the thorax (Figure 8a).

Among young people aged 13–18 years, after injuries to the head, the leading nature of moderate and serious injury was abdomen, back, spine, pelvis and genitals, followed by poisoning, drugs and medicaments, and injuries to the knee and lower leg (Figure 8b).

The leading nature of moderate and serious injury for young people aged 19–24 years after injuries to the head was poisoning, drugs and medicaments followed by injuries to the knee and lower leg and injuries to the abdomen, back, spine, pelvis and genitals (Figure 8c).

Like head injuries, moderate and serious injuries to the abdomen, back, spine, pelvis and genitals were common across all three age groups examined. The proportion of injuries of this nature classified as either moderate or serious increased with age. Among children aged 0–12 years, around 17.5% of injuries to the abdomen, back, spine, pelvis and genitals were classified as either moderate or serious. This increased to 55.4% and 88.7% for young people aged 13–18 years and 19–24 years respectively.

Figure 8: Leading nature of injury by age group, rate per 100,000 and per cent of injuries classified as moderate or serious, 2015/16 to 2019/20

Note: Leading nature of injury is ranked by the sum of moderate and serious injuries

Figure 8a: Children aged 0-12 years

	Injuries to the head (S00–S09)	Abdomen, back, spine, pelvis & genitals ^(a) (S30–S09)	Foreign body enter natural orifice ^(b) (T15–T19)	Injuries to the thorax (S20–S29)
Minor	344.1	24.7	58.4	2.6
Moderate	14.0	5.2	2.0	0.6
Serious	0.6	0.0	0.0	0.3

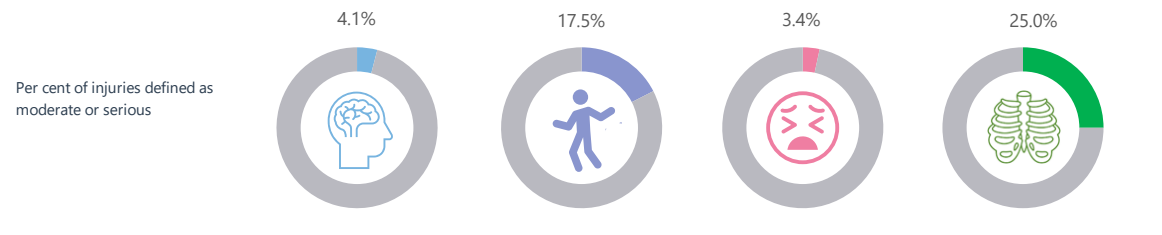


Figure 8b: Young people aged 13–18 years

	Injuries to the head (S00–S09)	Abdomen, back, spine, pelvis & genitals ^(a) (S30–S09)	Poisoning, drugs, medicaments ^(c) (T36–T50)	Injuries to the knee and lower leg (S80–S89)
Minor	271.6	32.0	444.4	261.6
Moderate	77.5	38.4	34.1	27.7
Serious	12.8	1.4	0.7	0.0

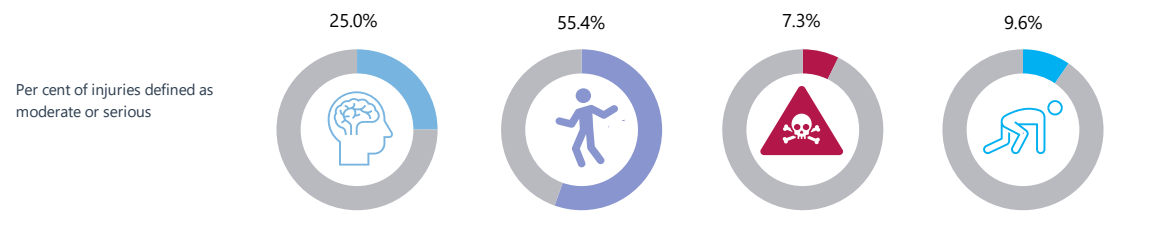
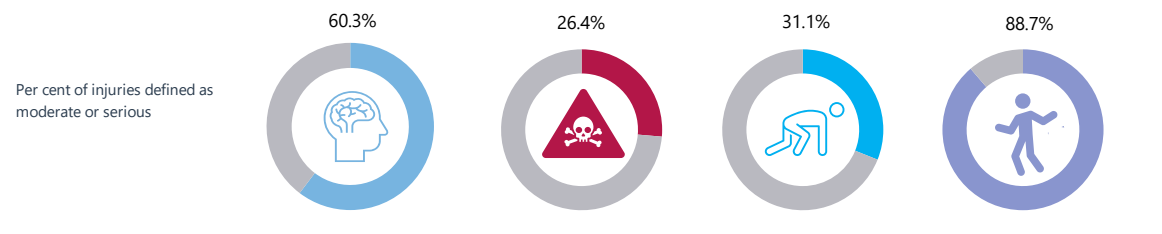


Figure 8c: Young adults aged 19–24 years

	Injuries to the head (S00–S09)	Poisoning, drugs, medicaments ^(c) (T36–T50)	Injuries to the knee and lower leg (S80–S89)	Abdomen, back, spine, pelvis & genitals ^(a) (S30–S09)
Minor	120.7	235.7	170.3	7.7
Moderate	150.8	83.9	76.7	53.2
Serious	32.7	0.5	0.0	7.2



Leading cause of injury

Between 2015/16 and 2019/20, the leading cause of moderate and serious injury for all age groups examined was slipping, tripping, stumbling and falls. Among children aged 0–12 years, most injuries were classified as minor, with 2.0% classified as either moderate or serious (Figure 9). The proportion of injuries resulting from slipping, tripping, stumbling or falls classified as moderate or serious increased with age (13–18 years, 10.9%; 19–24 years, 31.8%)

After slipping, tripping, stumbling and falls, the most common cause of moderate or serious injury among children aged 0–12 years was exposure to inanimate mechanical forces, pedal cycle rider injured in a transport accident, and accidental non-transport drowning and submersion.

While there were only 10 hospitalisations between 2015/2016 and 2019/20 arising from accidental drowning and submersion for children aged 0–12 years, 90% of these cases were classified as serious (Figure 9a). This illustrates that while drownings may be less frequent than other causes, these injuries may have a substantial adverse impact on health and other outcomes for young people.

For young people aged 13–18 years and young adults aged 19–24 years, the second and third leading cause of injury was intentional self-harm and car occupant injured in transport injury. For these causes of injury, the proportion of injuries defined as moderate or serious increased with age.

Figure 9: Leading cause of injury by age group, rate per 100,000 and per cent of injuries classified as moderate or serious, 2015/16 to 2019/20

Note: Leading cause of injury is ranked by the sum of moderate and serious injuries

Figure 9a: Children aged 0–12 years

	Slipping, tripping, stumbling and falls (W00-W19)□	Exposure to inanimate mechanical forces (W20-W49)□	Pedal cycle rider injured in transport accident (V10-V19)□	Accidental non-transport drowning and submersion (W65-W74)□
Minor	640.6	336.9	73.2	0.3
Moderate	12.5	3.2	2.9	0.0
Serious	0.3	0.0	0.0	2.6

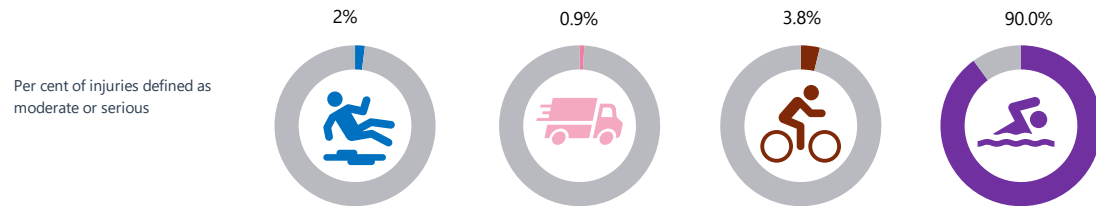


Figure 9b: Young people aged 13–18 years

	Slipping, tripping, stumbling and falls (W00-W19)□	Intentional self-harm (X60-X84)□	Car occupant injured in transport accident (V40-V49)	Exposure to animate mechanical forces (W50-W64)□
Minor	469.2	471.4	33.4	193.4
Moderate	51.2	44.1	34.8	34.8
Serious	6.4	7.8	5.0	1.4

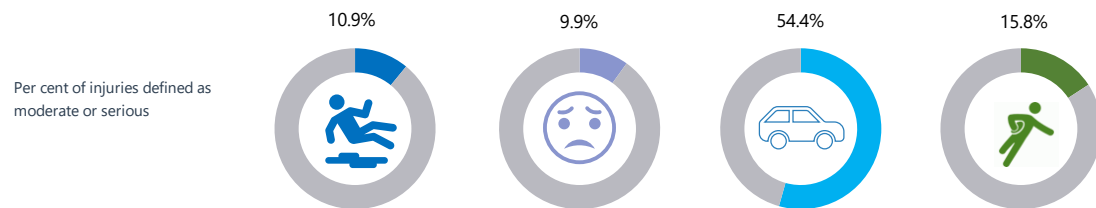
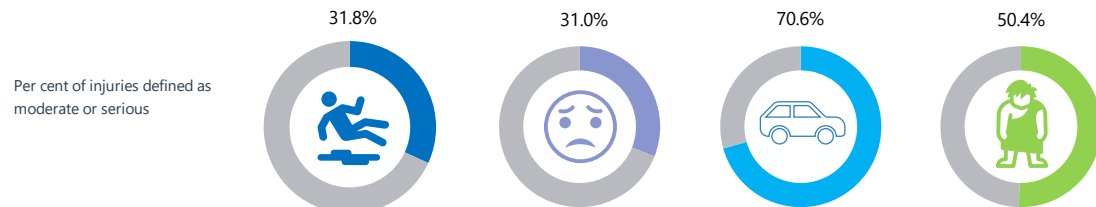


Figure 9c: Young adults aged 19–24 years

	Slipping, tripping, stumbling and falls (W00-W19)□	Intentional self-harm (X60-X84)□	Car occupant injured in transport accident (V40-V49)	Assault (X85-Y09)□
Minor	248.5	213.7	32.7	61.9
Moderate	101.8	89.0	66.0	55.2
Serious	14.3	7.2	12.8	7.7



Place of occurrence

Between 2015/16 and 2019/20, the leading place of occurrence for moderate and serious injury-related hospitalisations in the ACT varied by age group. This likely reflects the different activities in which children and young people participate, and where they spend much of their time.

For children aged 0–12 years, the leading place of occurrence for moderate and serious injury was the home, followed by school, other institutions, and public administration areas¹ and sports and athletics areas. Among young people aged 13–18 years, the most common places of occurrence for moderate and serious injury-related hospitalisations were sports and athletics areas and streets and highways, followed by school, other institutions, and public administration areas and the home. Young adults aged 19–24 years reported schools, other institutions, and public administration areas as the most common place of occurrence for moderate and serious injury-related hospitalisations. This was followed by streets and highways, the home and lastly, sports and athletics areas.

The severity of these injuries increased with age. For example, the proportion of injury-related hospitalisations classified as moderate or serious that occurred at school, other institutions or public administration areas among children aged 0–12 years was 1.3%. This increased to 15.4% for young people aged 13–18 years and 69.8% for young adults aged 19–24 years. The increased proportion of injuries classified as moderate or serious based on age was evident with each of the leading places of occurrence presented (Figure 10).

1. Other public admin area includes locations such as; church, college, library, public hall, theatre, university or youth centre.

Figure 10: Leading place of occurrence by age group, rate per 100,000 and per cent of injuries classified as moderate or serious, 2015/19 to 2019/20

Note: Leading place of occurrence is ranked by the sum of moderate and serious injuries

Figure 10a: Children aged 0–12 years

	Home (Y92.0)	School, other institution and public admin area (Y92.2)	Sports and athletics area (Y92.3)	Street and highway (Y92.4)
Minor	297.0	320.0	103.2	28.5
Moderate	7.3	4.1	2.6	2.3
Serious	2.6	0.3	0.3	0.0

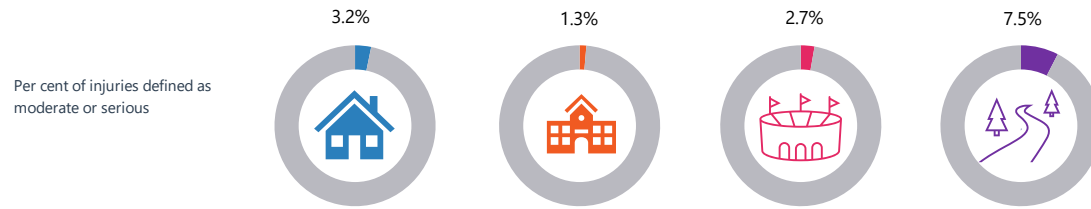


Figure 10b: Young people aged 13–18 years

	Sports and athletics area (Y92.3)	Street and highway (Y92.4)	School, other institution and public admin area (Y92.2)	Home (Y92.0)
Minor	564.5	97.4	261.6	359.0
Moderate	56.9	54.7	44.8	37.7
Serious	6.4	8.5	2.8	5.7

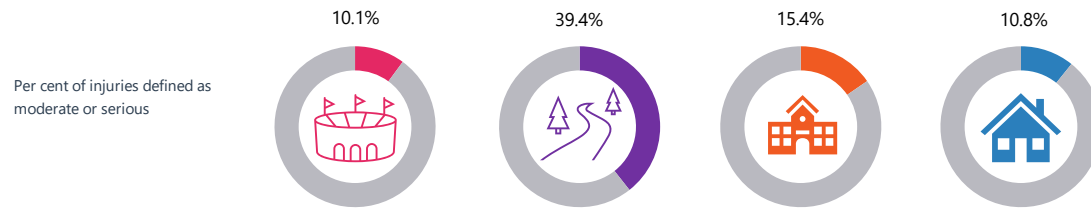
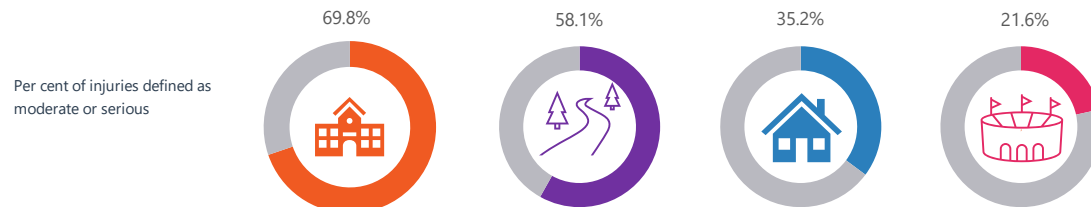


Figure 10c: Young adults aged 19–24 years

	School, other institution and public admin area (Y92.2)	Street and highway (Y92.4)	Home (Y92.0)	Sports and athletics area (Y92.3)
Minor	64.4	103.8	222.4	288.4
Moderate	142.7	122.2	107.9	73.1
Serious	6.1	22.0	12.8	6.1



Activity

Between 2015/2016 and 2019/20 the leading activity in which a child or young person was engaged when they received a moderate or serious injury differed across age groups. This provides useful insights into key activities that pose a higher risk for injury for children and young people.

For children aged 0–12 years, the leading activities associated with moderate or serious injury were wheeled non-motored sports (i.e., cycling) and individual water sports, followed by team ball sports and acrobatic sports. For children aged 13–18 years, the leading activities leading to moderate or serious injury engaged in when injured were team ball sports and wheeled non-motored sports, followed by equestrian activities and ice and snow sports. Finally, for young adults aged 19–24 years, the leading activities associated with moderate or serious injury were team ball sports, wheeled non-motored sports, wheeled motored sports and equestrian activities (Figure 11).

The severity of injuries also increased with age. The proportion of moderate or serious injuries caused by wheeled non-motored sports for children aged 0–12 was 4.6% (Figure 11a). For young people aged 13–18 this proportion increased to 14.6% (Figure 11b) and 28.4% for young people aged 19–24 years (Figure 11c).

Figure 11: Leading activity by age group, rate per 100,000 and per cent moderate or serious, 2015/19 to 2019/20

Note: Leading activity is ranked by the sum of moderate and serious injuries

Figure 11a: Children aged 0–12 years

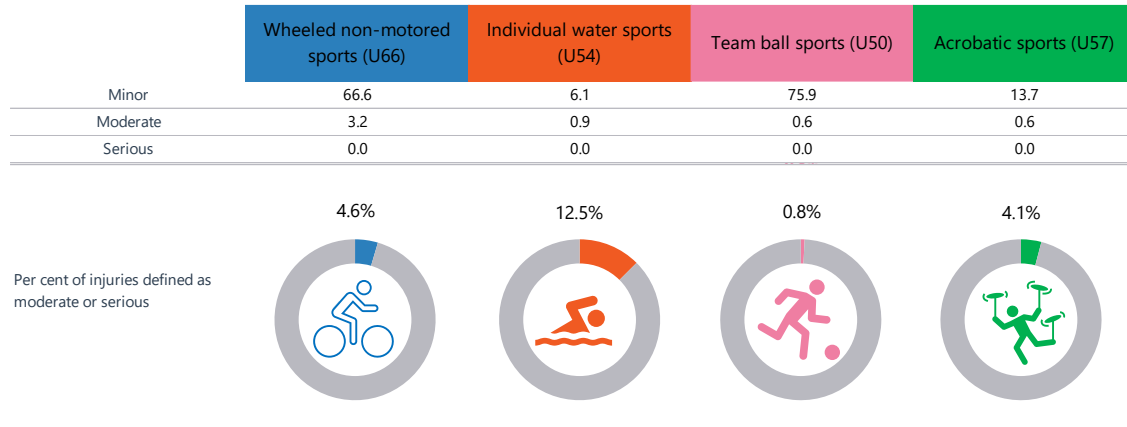


Figure 11b: Young people aged 13–18 years

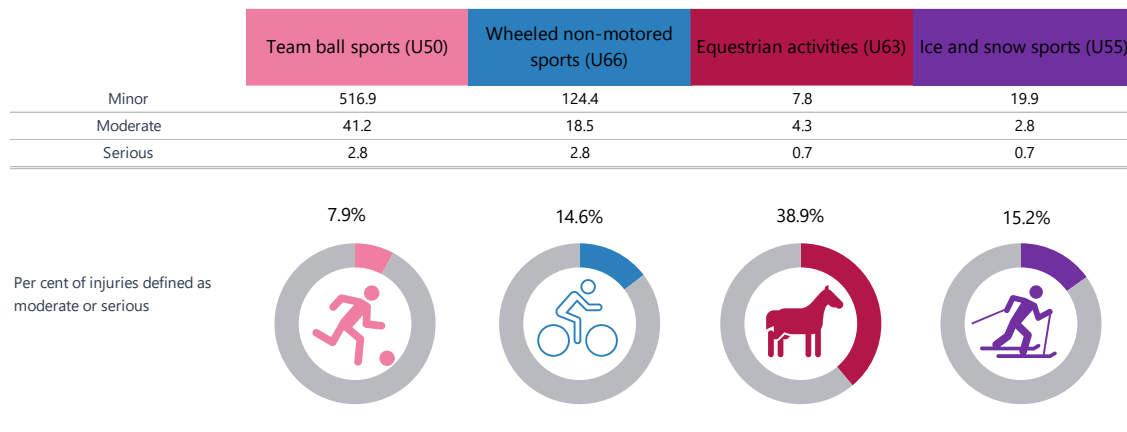
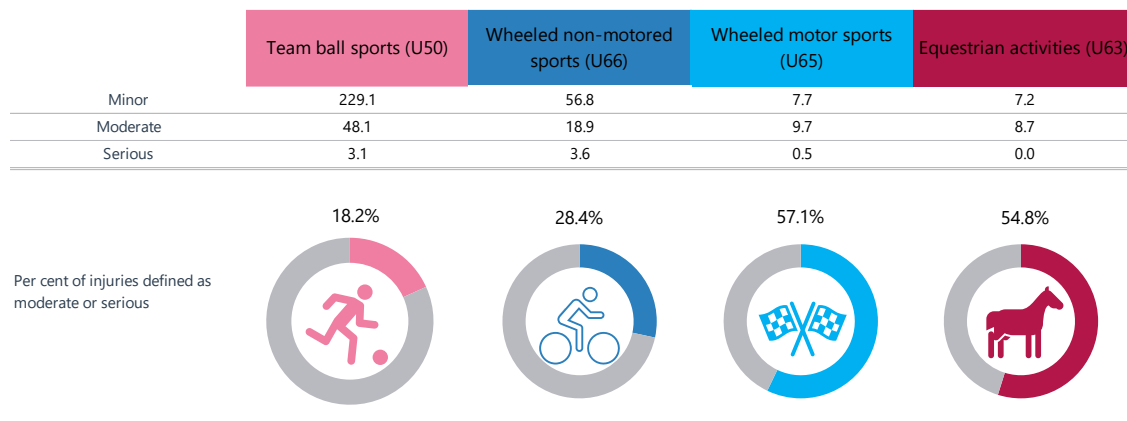


Figure 11c: Young adults aged 19–24 years



5. Conclusions

Injuries are the leading cause of death for children and young people who live in the ACT and contribute significantly to hospitalisations and lifelong disability. [1] This report provides a comprehensive analysis of the patterns and trends of injury-related hospitalisation for children and young people in the ACT.

Over the past twenty years there has been a steady increase in the number of injury-related hospitalisations for young people aged 0–24 years, highlighting the need for ongoing research, policy development, adequate acute and rehabilitation health care services, and strategy implementation. These increases were higher among females, with an average injury-related hospitalisation rate increase of 4.8% per year across the review period, compared to 2.8% for males.

Although all injuries experienced by children that require hospitalisation may be considered serious, utilising the International Classification of Injury Severity Scores provides a more nuanced analysis of injuries that may be of most concern and can assist in prioritisation of prevention strategies and health care services in the ACT.

This report found that most injuries requiring hospitalisation were classified as minor. However, the proportion of injuries classified as moderate and severe increased with age. Between 2015/16 and 2019/20, for children aged 0–12 years, 1.7% of injuries were moderate, while 0.3% were serious. This compares to higher proportions in young people aged 13–18 years where 11.5% of injuries were moderate and 1.1% were serious. For those aged 19–24 years, proportions increased to 28.8% for moderate injury and 2.8% for serious injury.

The nature of injury (type), injury cause, place of occurrence, and the activity associated with the injury incident were analysed. The patterns of injury differed across age groups reflecting the changing vulnerabilities and risks of injury as children develop. Injury severity also increased with age across the four categories of nature, cause, place and activity.

This report was prepared for the ACT Children and Young People Death Review Committee with the consent of the Minister for Families and Community Services. The findings presented in this report provide a broader commentary of patterns and trends in child injury to inform mortality and morbidity risks. These analyses provide contextual information to improve the understanding of child mortality and morbidity in the ACT.

6. Glossary

ABS

Australian Bureau of Statistics

Additional diagnosis

Conditions or complaints, either coexisting with the principal diagnosis or arising during the episode of admitted patient care (hospitalisation), episode of residential care or attendance at a health-care establishment that require the provision of care.

Admission

The process whereby the hospital accepts responsibility for the patient's care and/or treatment. Admission follows a clinical decision based upon specified criteria that a patient requires same-day or overnight care or treatment.

Admitted patient

A patient who undergoes a hospital's formal admission process to receive treatment and/or care. This treatment and/or care is provided over a period of time and can occur in hospital and/or in the person's home (for hospital-in-the-home patients).

Age-specific rate

Rate for a specific age group. The number of events and the population relate to the same age group.

AIHW

Australian Institute of Health and Welfare

APC

Admitted Patient Care Collection

Average length of stay (ALOS):

The average number of days spent in hospital for each stay (episode of care) for admitted patients who stayed at least one night.

Bed days

The total number of days for patients who were admitted for an episode of care and who separated during a specified reference period. A patient who is admitted and separated on the same day is allocated one bed day.

Crude rate

The number of events recorded in a population divided by the size of the population during a specified time period, without adjustments for other factors such as age.

Emergency department (ED)

A hospital facility that provides triage, assessment, care or treatment for non-admitted patients suffering from a medical condition or injury.

External cause

The environmental event, circumstance or condition as the cause of injury, poisoning and other adverse effect.

ICD

International Classification of Diseases

Injury

An injury is damage to the body. Injuries can occur intentionally or unintentionally and have many causes such as road accidents, falls, poisoning, burns and drowning.

Injury - Activity

Activity the patient was engaging in when the injury occurred (e.g., team ball sport, acrobatic sports).

Injury - Cause

Cause of injury (e.g., falls, poisoning, motor vehicle accidents).

Injury - Minor injury

An injury with a survival probability of greater than 99.0%.

Injury - Moderate injury

An injury with a survival probability of between 94.1% and 99.0%.

Injury - Nature of

Type of Injury (e.g., head, poisoning leg injury).

Injury - Place of occurrence

Place where the injury occurred (e.g., home, school, street/highway).

Injury - Serious injury

An injury with a survival probability of less than 94.1%.

International Classification of Injury Severity Scores (ICISS)

A method used to derive estimates of injury severity. These scores are calculated by applying survival risk ratios (see SRRS below) to ICD-codes and presented as survival probabilities.

Principal diagnosis

The diagnosis chiefly responsible for occasioning an episode of patient care (hospitalisation), an episode of residential care or an attendance at the health care establishment. Diagnoses are recorded using the relevant edition of the International statistical classification of diseases and related health problems, 10th revision, Australian modification (ICD-10-AM).

Private patient

Person admitted to a private hospital, or person admitted to a public hospital who decides to choose the doctor(s) who will treat them or to have private ward accommodation. This means they will be charged for medical services, food and accommodation.

Public patient

A patient treated at no charge in a public hospital (or provided with care by a private hospital on behalf of a public hospital).

Separation

An episode of care for an admitted patient, which can be a total hospital stay (from admission to discharge, transfer or death) or a portion of a hospital stay beginning or ending in a change of type of care (for example, from acute care to rehabilitation). Separation also means the process by which

an admitted patient completes an episode of care either by being discharged, dying, transferring to another hospital, or changing type of care.

Separation rate

The total number of episodes of care for admitted patients divided by the total number of persons in the population under study. Often presented as a rate per 1,000 or 10,000 members of a population. Rates may be crude or standardised.

Survival risk ratio (SRR)

The number of people with each injury diagnosis who survive, divided by the total number of individuals with that injury diagnosis.

Three year rolling averages

A three -year rolling average, sometimes referred to as a moving average, is a set of calculations which creates a series of averages from a full data set, with each calculated data point being, in the case of this report, the average of the current value and the previous and following values. Rolling averages help with visualising trends by smoothing the data when they might otherwise be difficult to see (particularly if there is a lot of variability in the data).

7. References

- [1] Australian Institute of Health and Welfare. Hospitalised injury in children and young people, 2017–18. Canberra: AIHW; 2021. Available from: <https://www.aihw.gov.au/getmedia/25a1c441-4946-4e6d-8d34-12c4f552aada/aihw-injcat-217.pdf.aspx?inline=true>
- [2] Mitchell R, Ting H, Driscoll T, Braithwaite J. Identification and internal validation of models for predicting survival and ICU admission following a traumatic injury. *Scand. J. Trauma, Resusc. Emerg. Med.* 2018;26(1) <https://doi.org/10.1186/s13049-018-0563-5>
- [3] Mitchell, R. & Ting, H. P. Survival risk ratios for ICD-10-AM injury diagnosis classifications for children. Macquarie University. 1 Jul 2021, 10.25949/14852949.v1
- [4] Dayal S, Wren J, Wright C. Mapping injury severity scores against hospitalisation day stays for injury priority areas (excluding workplace injury). Wellington: Public Health Intelligence, Health and Disability Systems Strategy Directorate, Ministry of Health, 2008.
- [5] ABS Cat No. 3101.0 National, state and territory population. Estimated Resident Population by single year of age, Australian Capital Territory. 2021

8. Appendix

Appendix Table 1: Hospital separations and crude rates per 1,000, all injuries, young people by age group, ACT residents, 2000/01 to 2019/20

	Males				Females			
	0-12	13-18	19-24	Total ^(a)	0-12	13-18	19-24	Total ^(a)
	(Separations)							
2000-01	305	229	231	765	195	95	97	387
2001-02	342	226	258	826	238	81	96	415
2002-03	319	250	297	866	214	125	130	469
2003-04	333	304	341	978	204	131	139	474
2004-05	333	312	367	1,012	208	134	176	518
2005-06	359	336	458	1,153	239	193	218	650
2006-07	318	386	515	1,219	212	169	198	579
2007-08	340	425	479	1,244	212	173	235	620
2008-09	312	441	593	1,346	231	187	243	661
2009-10	358	415	575	1,348	252	172	263	687
2010-11	405	412	520	1,337	256	189	236	681
2011-12	414	415	543	1,372	283	185	247	715
2012-13	364	408	538	1,310	285	196	267	748
2013-14	413	338	517	1,268	301	196	243	740
2014-15	482	399	509	1,390	341	238	302	881
2015-16	514	421	565	1,500	374	240	349	963
2016-17	568	423	632	1,623	386	300	375	1,061
2017-18	619	446	568	1,633	444	334	386	1,164
2018-19	594	532	616	1,742	433	312	388	1,133
2019-20	694	444	582	1,720	465	348	408	1,221
	(Rate per 1,000)							
2000-01	11.2	15.4	15.4	13.4	7.8	6.3	6.2	7.0
2001-02	11.2	15.9	16.4	13.8	7.8	7.1	6.9	7.4
2002-03	11.6	17.6	18.2	14.9	7.9	8.0	7.6	7.8
2003-04	11.6	19.7	19.8	15.9	7.7	9.3	9.0	8.4
2004-05	12.3	21.8	22.3	17.5	8.1	11.0	10.6	9.5
2005-06	12.2	23.8	25.2	18.9	8.2	12.0	11.7	10.2
2006-07	12.3	26.4	26.7	20.0	8.3	13.0	12.7	10.7
2007-08	11.6	28.7	28.7	20.9	8.1	12.7	13.0	10.7
2008-09	11.9	29.2	29.1	21.2	8.5	12.6	14.0	11.1
2009-10	12.4	28.8	29.2	21.4	9.0	13.0	13.7	11.4
2010-11	13.3	28.5	27.8	21.2	9.5	13.1	13.3	11.5
2011-12	13.1	28.7	26.8	20.8	9.6	13.9	13.1	11.7
2012-13	12.8	27.4	26.7	20.2	9.9	14.3	13.2	11.9
2013-14	13.1	27.2	26.4	20.1	10.3	15.6	14.2	12.6
2014-15	14.3	27.5	27.2	20.9	11.0	16.6	15.8	13.6
2015-16	15.4	29.3	29.3	22.3	11.6	18.9	18.2	15.1
2016-17	16.3	30.2	30.2	23.1	12.4	21.1	19.5	16.3
2017-18	16.6	32.5	30.7	23.8	12.7	22.9	19.6	16.8
2018-19	17.4	32.7	29.6	23.9	13.2	24.2	19.8	17.3
2019-20	17.5	33.4	29.9	24.2	13.1	24.1	19.8	17.3

Note: Includes public and private hospitals.

Rates are based on three year rolling averages.

(a) Total, persons aged 0-24 years.

Source: ACT Admitted Patient Data Collection.

Appendix Table 2: Injury type by severity, children aged 0–12 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
S00-S09: Injuries to the head								
2000/01–2004/05	399	47	8	454	142.6	16.8	2.9	162.3
2005/06–2009/10	393	45	<5	np	143.0	16.4	..	160.8
2010/11–2014/15	576	29	<5	np	190.9	9.6	..	201.9
2015/16–2019/20	1,184	48	<5	np	344.1	14.0	..	358.6
S10-S19: Injuries to the neck								
2000/01–2004/05	11	<5	0	np	3.9	..	..	4.3
2005/06–2009/10	13	<5	0	np	4.7	..	..	5.8
2010/11–2014/15	17	0	0	17	5.6	..	..	5.6
2015/16–2019/20	33	0	0	33	9.6	..	..	9.6
S20-S29: Injuries to the thorax								
2000/01–2004/05	7	<5	0	np	2.5	..	..	3.9
2005/06–2009/10	5	<5	<5	np	1.8	..	..	2.5
2010/11–2014/15	11	5	<5	np	3.6	1.7	..	5.6
2015/16–2019/20	9	<5	<5	np	2.6	..	..	3.5
S30-S39: Injuries to the abdomen, low er back, lumbar spine, pelvis and external genitals								
2000/01–2004/05	47	20	<5	np	16.8	7.2	..	24.3
2005/06–2009/10	73	16	0	89	26.6	5.8	..	32.4
2010/11–2014/15	67	6	<5	np	22.2	2.0	..	24.9
2015/16–2019/20	85	18	0	103	24.7	5.2	..	29.9
S40-S49: Injuries to the shoulder and upper arm								
2000/01–2004/05	234	0	0	234	83.7	..	..	83.7
2005/06–2009/10	242	0	0	242	88.1	..	..	88.1
2010/11–2014/15	285	<5	0	np	94.5	..	..	95.1
2015/16–2019/20	348	0	0	348	101.1	..	..	101.1
S50-S59: Injuries to the elbow and forearm								
2000/01–2004/05	1,027	0	0	1,027	367.2	..	..	367.2
2005/06–2009/10	887	0	0	887	322.7	..	..	322.7
2010/11–2014/15	975	0	0	975	323.2	..	..	323.2
2015/16–2019/20	1,111	0	0	1,111	322.9	..	..	322.9
S60-S69: Injuries to the wrist, hand and fingers								
2000/01–2004/05	265	0	0	265	94.7	..	..	94.7
2005/06–2009/10	358	0	0	358	130.3	..	..	130.3
2010/11–2014/15	542	0	0	542	179.7	..	..	179.7
2015/16–2019/20	893	0	0	893	259.5	..	..	259.5
S70-S79: Injuries to the hip and thigh								
2000/01–2004/05	53	<5	0	np	18.9	..	..	19.7
2005/06–2009/10	85	<5	0	np	30.9	..	..	32.4
2010/11–2014/15	81	0	0	81	26.8	..	..	26.8
2015/16–2019/20	92	<5	0	np	26.7	..	..	27.3
S80-S89: Injuries to the knee and low er leg								
2000/01–2004/05	157	0	0	157	56.1	..	..	56.1
2005/06–2009/10	137	0	0	137	49.8	..	..	49.8
2010/11–2014/15	157	<5	0	np	52.0	..	..	52.4
2015/16–2019/20	238	0	0	238	69.2	..	..	69.2
S90-S99: Injuries to the ankle and foot								
2000/01–2004/05	66	0	0	66	23.6	..	..	23.6
2005/06–2009/10	73	0	0	73	26.6	..	..	26.6
2010/11–2014/15	123	0	0	123	40.8	..	..	40.8
2015/16–2019/20	171	0	0	171	49.7	..	..	49.7
T07: Injuries involving multiple body regions								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..

(Continued)

Appendix Table 2: (continued): Injury type by severity, children aged 0–12 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
T14: Injury of unspecified body region								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T15-T19: Effects of foreign body entering through natural orifice								
2000/01–2004/05	112	11	0	123	40.0	3.9	..	44.0
2005/06–2009/10	130	8	0	138	47.3	2.9	..	50.2
2010/11–2014/15	214	6	0	220	70.9	2.0	..	72.9
2015/16–2019/20	201	7	0	208	58.4	2.0	..	60.5
T20-T25: Burns and corrosions of external body surface, specified by site								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T20-T32: Burns and corrosions								
2000/01–2004/05	52	0	0	52	18.6	..	..	18.6
2005/06–2009/10	50	<5	<5	np	18.2	..	..	18.9
2010/11–2014/15	57	0	0	57	18.9	..	..	18.9
2015/16–2019/20	61	0	0	61	17.7	..	..	17.7
T26-T28: Burns and corrosions confined to eye and internal organs								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
T30-T32: Burns and corrosions of multiple and unspecified body regions								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T33-T34: Frostbite								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T36-T50: Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances								
2000/01–2004/05	56	<5	0	np	20.0	..	..	20.4
2005/06–2009/10	48	<5	0	np	17.5	..	..	17.8
2010/11–2014/15	38	0	0	38	12.6	..	..	12.6
2015/16–2019/20	83	<5	0	np	24.1	..	..	24.4
T51-T65: Toxic effects of substances chiefly nonmedicinal as to source								
2000/01–2004/05	15	0	0	15	5.4	..	..	5.4
2005/06–2009/10	19	<5	0	np	6.9	..	..	7.3
2010/11–2014/15	22	0	0	22	7.3	..	..	7.3
2015/16–2019/20	27	<5	0	np	7.8	..	..	8.4
T66-T78: Other and unspecified effects of external causes								
2000/01–2004/05	29	0	7	36	10.4	..	2.5	12.9
2005/06–2009/10	56	0	8	64	20.4	..	2.9	23.3
2010/11–2014/15	86	0	12	98	28.5	..	4.0	32.5
2015/16–2019/20	169	<5	11	np	49.1	..	3.2	52.6
T79: Certain early complications of trauma								
2000/01–2004/05	5	0	0	5	1.8	..	..	1.8
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	0	<5	0	np	..	..	..	..

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 3: Injury type by severity, children aged 13–18 years, ACT residents

	Severity				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
S00-S09: Injuries to the head								
2000/01–2004/05	203	79	23	305	141.2	54.9	16.0	212.1
2005/06–2009/10	362	162	34	558	254.6	113.9	23.9	392.4
2010/11–2014/15	319	117	34	470	229.7	84.2	24.5	338.4
2015/16–2019/20	382	109	18	509	271.6	77.5	12.8	361.9
S10-S19: Injuries to the neck								
2000/01–2004/05	19	7	<5	np	13.2	4.9	..	20.2
2005/06–2009/10	47	8	5	60	33.1	5.6	3.5	42.2
2010/11–2014/15	22	10	<5	np	15.8	7.2	..	24.5
2015/16–2019/20	45	7	<5	np	32.0	5.0	..	39.1
S20-S29: Injuries to the thorax								
2000/01–2004/05	7	14	<5	np	4.9	9.7	..	15.3
2005/06–2009/10	10	19	0	29	7.0	13.4	..	20.4
2010/11–2014/15	10	21	<5	np	7.2	15.1	..	24.5
2015/16–2019/20	11	28	0	39	7.8	19.9	..	27.7
S30-S39: Injuries to the abdomen, low er back, lumbar spine, pelvis and external genitals								
2000/01–2004/05	31	36	<5	np	21.6	25.0	..	48.7
2005/06–2009/10	40	73	8	121	28.1	51.3	5.6	85.1
2010/11–2014/15	39	54	11	104	28.1	38.9	7.9	74.9
2015/16–2019/20	45	54	<5	np	32.0	38.4	..	71.8
S40-S49: Injuries to the shoulder and upper arm								
2000/01–2004/05	55	14	0	69	38.3	9.7	..	48.0
2005/06–2009/10	148	29	0	177	104.1	20.4	..	124.5
2010/11–2014/15	158	31	0	189	113.7	22.3	..	136.1
2015/16–2019/20	189	25	0	214	134.4	17.8	..	152.1
S50-S59: Injuries to the elbow and forearm								
2000/01–2004/05	303	8	0	311	210.8	5.6	..	216.3
2005/06–2009/10	302	17	<5	np	212.4	12.0	..	225.0
2010/11–2014/15	336	11	<5	np	241.9	7.9	..	250.5
2015/16–2019/20	371	27	<5	np	263.8	19.2	..	285.1
S60-S69: Injuries to the wrist, hand and fingers								
2000/01–2004/05	351	9	0	360	244.1	6.3	..	250.4
2005/06–2009/10	557	6	0	563	391.7	4.2	..	395.9
2010/11–2014/15	637	9	0	646	458.6	6.5	..	465.1
2015/16–2019/20	832	9	0	841	591.5	6.4	..	597.9
S70-S79: Injuries to the hip and thigh								
2000/01–2004/05	31	10	<5	np	21.6	7.0	..	29.2
2005/06–2009/10	55	8	0	63	38.7	5.6	..	44.3
2010/11–2014/15	36	14	<5	np	25.9	10.1	..	36.7
2015/16–2019/20	39	21	<5	np	27.7	14.9	..	44.1
S80-S89: Injuries to the knee and low er leg								
2000/01–2004/05	247	22	0	269	171.8	15.3	..	187.1
2005/06–2009/10	313	33	0	346	220.1	23.2	..	243.3
2010/11–2014/15	291	43	0	334	209.5	31.0	..	240.5
2015/16–2019/20	368	39	0	407	261.6	27.7	..	289.4
S90-S99: Injuries to the ankle and foot								
2000/01–2004/05	57	0	0	57	39.6	..	..	39.6
2005/06–2009/10	79	6	0	85	55.6	4.2	..	59.8
2010/11–2014/15	81	<5	0	np	58.3	..	..	59.0
2015/16–2019/20	115	9	0	124	81.8	6.4	..	88.2
T07: Injuries involving multiple body regions								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..

(Continued)

Appendix Table 3: (continued): Injury type by severity, young people aged 13–18 years, ACT residents

	Severity				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
T14: Injury of unspecified body region								
2000/01–2004/05	<5	<5	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	<5	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T15-T19: Effects of foreign body entering through natural orifice								
2000/01–2004/05	27	<5	0	np	18.8	..	..	19.5
2005/06–2009/10	10	<5	<5	np	7.0	..	..	9.8
2010/11–2014/15	15	<5	0	np	10.8	..	..	12.2
2015/16–2019/20	39	<5	0	np	27.7	..	..	29.1
T20-T25: Burns and corrosions of external body surface, specified by site								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T20-T32: Burns and corrosions								
2000/01–2004/05	16	<5	<5	np	11.1	..	..	13.9
2005/06–2009/10	16	<5	<5	np	11.3	..	..	14.1
2010/11–2014/15	7	8	0	15	5.0	5.8	..	10.8
2015/16–2019/20	19	6	0	25	13.5	4.3	..	17.8
T26-T28: Burns and corrosions confined to eye and internal organs								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
T30-T32: Burns and corrosions of multiple and unspecified body regions								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T33-T34: Frostbite								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T36-T50: Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances								
2000/01–2004/05	211	7	<5	np	146.8	4.9	..	152.3
2005/06–2009/10	306	37	0	343	215.2	26.0	..	241.2
2010/11–2014/15	385	45	0	430	277.2	32.4	..	309.6
2015/16–2019/20	625	48	<5	np	444.4	34.1	..	479.2
T51-T65: Toxic effects of substances chiefly nonmedicinal as to source								
2000/01–2004/05	18	<5	0	np	12.5	..	..	14.6
2005/06–2009/10	23	<5	0	np	16.2	..	..	18.3
2010/11–2014/15	26	<5	0	np	18.7	..	..	20.2
2015/16–2019/20	35	<5	0	np	24.9	..	..	25.6
T66-T78: Other and unspecified effects of external causes								
2000/01–2004/05	9	0	5	14	6.3	..	3.5	9.7
2005/06–2009/10	30	0	<5	np	21.1	..	..	23.9
2010/11–2014/15	47	0	<5	np	33.8	..	..	36.0
2015/16–2019/20	132	<5	11	np	93.8	..	7.8	103.8
T79: Certain early complications of trauma								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	<5	0	np	..	..	..	3.5
2010/11–2014/15	<5	<5	<5	np	..	..	..	..
2015/16–2019/20	0	<5	0	np	..	..	..	..

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 4: Injury type by severity, young people aged 19–24 years, ACT residents

	Severity				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
S00-S09: Injuries to the head								
2000/01–2004/05	153	184	60	397	94.0	113.0	36.8	243.8
2005/06–2009/10	286	330	109	725	159.5	184.0	60.8	404.3
2010/11–2014/15	232	273	80	585	119.6	140.7	41.2	301.5
2015/16–2019/20	236	295	64	595	120.7	150.8	32.7	304.2
S10-S19: Injuries to the neck								
2000/01–2004/05	23	9	6	38	14.1	5.5	3.7	23.3
2005/06–2009/10	61	24	10	95	34.0	13.4	5.6	53.0
2010/11–2014/15	50	10	8	68	25.8	5.2	4.1	35.0
2015/16–2019/20	56	27	8	91	28.6	13.8	4.1	46.5
S20-S29: Injuries to the thorax								
2000/01–2004/05	<5	42	<5	np	..	25.8	..	28.9
2005/06–2009/10	<5	64	5	np	..	35.7	2.8	40.1
2010/11–2014/15	<5	61	0	np	..	31.4	..	32.5
2015/16–2019/20	6	56	5	67	3.1	28.6	2.6	34.3
S30-S39: Injuries to the abdomen, low er back, lumbar spine, pelvis and external genitals								
2000/01–2004/05	8	65	16	89	4.9	39.9	9.8	54.7
2005/06–2009/10	11	122	31	164	6.1	68.0	17.3	91.4
2010/11–2014/15	12	119	22	153	6.2	61.3	11.3	78.9
2015/16–2019/20	15	104	14	133	7.7	53.2	7.2	68.0
S40-S49: Injuries to the shoulder and upper arm								
2000/01–2004/05	24	31	0	55	14.7	19.0	..	33.8
2005/06–2009/10	133	101	0	234	74.2	56.3	..	130.5
2010/11–2014/15	122	100	<5	np	62.9	51.5	..	115.5
2015/16–2019/20	146	99	<5	np	74.7	50.6	..	125.8
S50-S59: Injuries to the elbow and forearm								
2000/01–2004/05	139	25	<5	np	85.4	15.4	..	101.9
2005/06–2009/10	186	41	10	237	103.7	22.9	5.6	132.2
2010/11–2014/15	218	40	12	270	112.4	20.6	6.2	139.2
2015/16–2019/20	209	81	14	304	106.9	41.4	7.2	155.4
S60-S69: Injuries to the wrist, hand and fingers								
2000/01–2004/05	467	23	0	490	286.8	14.1	..	300.9
2005/06–2009/10	778	27	0	805	433.8	15.1	..	448.9
2010/11–2014/15	942	20	0	962	485.5	10.3	..	495.8
2015/16–2019/20	1,365	38	0	1,403	698.0	19.4	..	717.4
S70-S79: Injuries to the hip and thigh								
2000/01–2004/05	0	24	<5	np	..	14.7	..	16.6
2005/06–2009/10	<5	53	5	np	..	29.6	2.8	34.6
2010/11–2014/15	11	38	<5	np	5.7	19.6	..	25.8
2015/16–2019/20	27	79	6	112	13.8	40.4	3.1	57.3
S80-S89: Injuries to the knee and low er leg								
2000/01–2004/05	175	113	0	288	107.5	69.4	..	176.9
2005/06–2009/10	275	130	0	405	153.3	72.5	..	225.8
2010/11–2014/15	323	108	<5	np	166.5	55.7	..	222.7
2015/16–2019/20	333	150	0	483	170.3	76.7	..	247.0
S90-S99: Injuries to the ankle and foot								
2000/01–2004/05	71	<5	0	np	43.6	..	..	46.1
2005/06–2009/10	111	5	0	116	61.9	2.8	..	64.7
2010/11–2014/15	160	7	0	167	82.5	3.6	..	86.1
2015/16–2019/20	177	17	0	194	90.5	8.7	..	99.2
T07: Injuries involving multiple body regions								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	<5	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..

(Continued)

Appendix Table 4: (continued): Injury type by severity, young people aged 19–24 years, ACT residents

	Severity				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
T14: Injury of unspecified body region								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	5	0	5	..	2.8	..	2.8
2010/11–2014/15	<5	<5	0	np	..	..	..	..
2015/16–2019/20	0	<5	0	np	..	..	..	..
T15-T19: Effects of foreign body entering through natural orifice								
2000/01–2004/05	12	5	0	17	7.4	3.1	..	10.4
2005/06–2009/10	21	8	0	29	11.7	4.5	..	16.2
2010/11–2014/15	28	8	0	36	14.4	4.1	..	18.6
2015/16–2019/20	33	7	0	40	16.9	3.6	..	20.5
T20-T25: Burns and corrosions of external body surface, specified by site								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T20-T32: Burns and corrosions								
2000/01–2004/05	6	16	<5	np	3.7	9.8	..	16.0
2005/06–2009/10	8	22	<5	np	4.5	12.3	..	17.3
2010/11–2014/15	<5	24	0	np	..	12.4	..	14.4
2015/16–2019/20	10	26	<5	np	5.1	13.3	..	19.4
T26-T28: Burns and corrosions confined to eye and internal organs								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T30-T32: Burns and corrosions of multiple and unspecified body regions								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T33-T34: Frostbite								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
T36-T50: Poisoning by, adverse effect of and underdosing of drugs, medicaments and biological substances								
2000/01–2004/05	184	67	<5	np	113.0	41.1	..	155.4
2005/06–2009/10	315	110	0	425	175.6	61.3	..	237.0
2010/11–2014/15	332	100	<5	np	171.1	51.5	..	223.7
2015/16–2019/20	461	164	<5	np	235.7	83.9	..	320.1
T51-T65: Toxic effects of substances chiefly nonmedicinal as to source								
2000/01–2004/05	11	11	0	22	6.8	6.8	..	13.5
2005/06–2009/10	34	11	<5	np	19.0	6.1	..	25.7
2010/11–2014/15	32	10	0	42	16.5	5.2	..	21.6
2015/16–2019/20	34	7	0	41	17.4	3.6	..	21.0
T66-T78: Other and unspecified effects of external causes								
2000/01–2004/05	9	0	7	16	5.5	..	4.3	9.8
2005/06–2009/10	47	<5	<5	np	26.2	..	..	27.9
2010/11–2014/15	65	0	11	76	33.5	..	5.7	39.2
2015/16–2019/20	167	<5	9	np	85.4	..	4.6	90.5
T79: Certain early complications of trauma								
2000/01–2004/05	0	6	5	11	..	3.7	3.1	6.8
2005/06–2009/10	0	<5	<5	np	..	..	..	3.3
2010/11–2014/15	0	<5	7	np	..	..	3.6	5.2
2015/16–2019/20	0	<5	10	np	..	..	5.1	6.6

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 5: Cause of injury by severity, children aged 0–12 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Accidents (V01-X59)								
2000/01–2004/05	2,446	76	16	2,538	874.5	27.2	5.7	907.4
2005/06–2009/10	2,517	71	14	2,602	915.8	25.8	5.1	946.7
2010/11–2014/15	3,146	46	18	3,210	1,042.8	15.2	6.0	1,064.0
2015/16–2019/20	4,528	79	13	4,620	1,316.0	23.0	3.8	1,342.8
Transport injuries (V00-V99)								
Pedestrian injured in transport accident (V00-V09)								
2000/01–2004/05	20	5	<5	np	7.2	1.8	..	9.3
2005/06–2009/10	20	<5	<5	np	7.3	..	..	9.1
2010/11–2014/15	17	<5	<5	np	5.6	..	..	6.3
2015/16–2019/20	15	<5	<5	np	4.4	..	..	4.9
Pedal cycle rider injured in transport accident (V10-V19)								
2000/01–2004/05	165	11	<5	np	59.0	3.9	..	63.3
2005/06–2009/10	165	15	<5	np	60.0	5.5	..	65.9
2010/11–2014/15	145	<5	<5	np	48.1	..	..	49.7
2015/16–2019/20	252	10	0	262	73.2	2.9	..	76.1
Motorcycle rider injured in transport accident (V20-V29)								
2000/01–2004/05	23	0	0	23	8.2	..	..	8.2
2005/06–2009/10	20	<5	0	np	7.3	..	..	7.6
2010/11–2014/15	14	0	0	14	4.6	..	..	4.6
2015/16–2019/20	30	<5	0	np	8.7	..	..	9.0
Occupant of three-w heeled motor vehicle injured in transport accident (V30-V39)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Car occupant injured in transport accident (V40-V49)								
2000/01–2004/05	25	5	<5	np	8.9	1.8	..	11.1
2005/06–2009/10	37	<5	<5	np	13.5	..	..	14.9
2010/11–2014/15	26	<5	<5	np	8.6	..	..	10.3
2015/16–2019/20	24	5	0	29	7.0	1.5	..	8.4
Occupant of pick-up truck or van injured in transport accident (V50-V59)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	<5	<5	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Occupant of heavy transport vehicle injured in transport accident (V60-V69)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Bus occupant injured in transport accident (V70-V79)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Other land transport accidents (V80-V89)								
2000/01–2004/05	22	<5	0	np	7.9	..	..	8.6
2005/06–2009/10	20	<5	0	np	7.3	..	..	8.0
2010/11–2014/15	16	0	0	16	5.3	..	..	5.3
2015/16–2019/20	14	<5	<5	np	4.1	..	..	4.7
Water transport accidents (V90-V94)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..

(Continued)

Appendix Table 5: (continued): Cause of injury by severity, children aged 0–12 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Other and unspecified transport accidents (V98-V99)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	6	0	0	6	2.2	..	..	2.2
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Other causes of injury								
Slipping, tripping, stumbling and falls (W00-W19)								
2000/01–2004/05	1,344	38	5	1,387	480.5	13.6	1.8	495.9
2005/06–2009/10	1,339	26	0	1,365	487.2	9.5	..	496.7
2010/11–2014/15	1,598	28	<5	np	529.7	9.3	..	540.0
2015/16–2019/20	2,204	43	<5	np	640.6	12.5	..	653.4
Exposure to inanimate mechanical forces (W20-W49)								
2000/01–2004/05	426	12	<5	np	152.3	4.3	..	156.9
2005/06–2009/10	504	7	<5	np	183.4	2.5	..	186.7
2010/11–2014/15	783	5	0	788	259.5	1.7	..	261.2
2015/16–2019/20	1,159	11	0	1,170	336.9	3.2	..	340.0
Exposure to animate mechanical forces (W50-W64)								
2000/01–2004/05	79	<5	0	np	28.2	..	..	29.0
2005/06–2009/10	113	<5	0	np	41.1	..	..	42.2
2010/11–2014/15	168	<5	0	np	55.7	..	..	56.4
2015/16–2019/20	312	<5	0	np	90.7	..	..	91.6
Accidental non-transport drowning and submersion (W65-W74)								
2000/01–2004/05	0	<5	7	np	..	..	2.5	2.9
2005/06–2009/10	<5	0	8	np	..	..	2.9	3.3
2010/11–2014/15	0	0	10	10	..	..	3.3	3.3
2015/16–2019/20	<5	0	9	np	..	..	2.6	2.9
Exposure to electric current, radiation and extreme ambient air temperature and pressure (W85-W99)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Exposure to smoke, fire and flames (X00-X09)								
2000/01–2004/05	5	0	0	5	1.8	..	..	1.8
2005/06–2009/10	5	<5	0	np	1.8	..	..	2.2
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	5	<5	0	np	1.5	..	..	2.0
Contact with venomous animals and plants (X20-X29)								
2000/01–2004/05	5	0	0	5	1.8	..	..	1.8
2005/06–2009/10	10	0	0	10	3.6	..	..	3.6
2010/11–2014/15	9	0	0	9	3.0	..	..	3.0
2015/16–2019/20	11	0	0	11	3.2	..	..	3.2
Contact with heat and hot substances (X10-X19)								
2000/01–2004/05	44	0	0	44	15.7	..	..	15.7
2005/06–2009/10	43	<5	<5	np	15.6	..	..	16.4
2010/11–2014/15	45	0	0	45	14.9	..	..	14.9
2015/16–2019/20	56	0	0	56	16.3	..	..	16.3
Exposure to forces of nature (X30-X39)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Poisoning by and exposure to noxious substances (X40-X49)								
2000/01–2004/05	77	<5	0	np	27.5	..	..	27.9
2005/06–2009/10	70	<5	0	np	25.5	..	..	25.8
2010/11–2014/15	49	0	0	49	16.2	..	..	16.2
2015/16–2019/20	94	<5	0	np	27.3	..	..	27.6

(Continued)

Appendix Table 5: (continued): Cause of injury by severity, children aged 0–12 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Overexertion and strenuous or repetitive movements (X50-X50)								
2000/01–2004/05	9	0	0	9	3.2	..	..	3.2
2005/06–2009/10	22	0	0	22	8.0	..	..	8.0
2010/11–2014/15	25	0	0	25	8.3	..	..	8.3
2015/16–2019/20	54	0	0	54	15.7	..	..	15.7
Travel and motion (X51-X51)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Accidental exposure to other specified factors (X52-X59)								
2000/01–2004/05	202	0	0	202	72.2	..	..	72.2
2005/06–2009/10	164	7	0	171	59.7	2.5	..	62.2
2010/11–2014/15	255	<5	<5	np	84.5	..	..	85.9
2015/16–2019/20	321	<5	<5	np	93.3	..	..	94.2
Intentional self-harm (X60-X84)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	10	0	0	10	3.3	..	..	3.3
2015/16–2019/20	15	0	0	15	4.4	..	..	4.4
Assault (X85-Y09)								
2000/01–2004/05	23	<5	0	np	8.2	..	..	9.7
2005/06–2009/10	29	<5	0	np	10.6	..	..	11.6
2010/11–2014/15	16	<5	0	np	5.3	..	..	5.6
2015/16–2019/20	11	0	<5	np	3.2	..	..	3.5
Event of undetermined intent (Y10-Y34)								
2000/01–2004/05	<5	<5	0	np	..	..	..	..
2005/06–2009/10	5	0	0	5	1.8	..	..	1.8
2010/11–2014/15	7	0	0	7	2.3	..	..	2.3
2015/16–2019/20	15	0	0	15	4.4	..	..	4.4
Drugs, medicaments and biological substances causing adverse effects in therapeutic use (Y40-Y59)								
2000/01–2004/05	11	<5	0	np	3.9	..	..	4.6
2005/06–2009/10	41	<5	0	np	14.9	..	..	15.3
2010/11–2014/15	93	0	0	93	30.8	..	..	30.8
2015/16–2019/20	114	0	0	114	33.1	..	..	33.1

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 6: Cause of injury by severity, young people aged 13–18 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Accidents (V01-X59)								
2000/01–2004/05	1,263	167	28	1,458	878.5	116.2	19.5	1,014.1
2005/06–2009/10	1,841	314	43	2,198	1,294.6	220.8	30.2	1,545.7
2010/11–2014/15	1,894	292	49	2,235	1,363.5	210.2	35.3	1,609.0
2015/16–2019/20	2,381	300	27	2,708	1,692.8	213.3	19.2	1,925.3
Transport injuries (V00-V99)								
Pedestrian injured in transport accident (V00-V09)								
2000/01–2004/05	10	<5	<5	np	7.0	..	..	10.4
2005/06–2009/10	14	11	<5	np	9.8	7.7	..	19.0
2010/11–2014/15	16	5	7	28	11.5	3.6	5.0	20.2
2015/16–2019/20	16	<5	0	np	11.4	..	..	14.2
Pedal cycle rider injured in transport accident (V10-V19)								
2000/01–2004/05	107	15	0	122	74.4	10.4	..	84.9
2005/06–2009/10	194	37	<5	np	136.4	26.0	..	164.6
2010/11–2014/15	144	34	5	183	103.7	24.5	3.6	131.7
2015/16–2019/20	204	25	6	235	145.0	17.8	4.3	167.1
Motorcycle rider injured in transport accident (V20-V29)								
2000/01–2004/05	40	15	<5	np	27.8	10.4	..	40.3
2005/06–2009/10	45	24	<5	np	31.6	16.9	..	49.9
2010/11–2014/15	44	22	<5	np	31.7	15.8	..	50.4
2015/16–2019/20	42	17	0	59	29.9	12.1	..	41.9
Occupant of three-w heeled motor vehicle injured in transport accident (V30-V39)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Car occupant injured in transport accident (V40-V49)								
2000/01–2004/05	44	37	10	91	30.6	25.7	7.0	63.3
2005/06–2009/10	81	75	16	172	57.0	52.7	11.3	121.0
2010/11–2014/15	43	44	14	101	31.0	31.7	10.1	72.7
2015/16–2019/20	47	49	7	103	33.4	34.8	5.0	73.2
Occupant of pick-up truck or van injured in transport accident (V50-V59)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Occupant of heavy transport vehicle injured in transport accident (V60-V69)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	<5	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Bus occupant injured in transport accident (V70-V79)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	<5	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Other land transport accidents (V80-V89)								
2000/01–2004/05	12	<5	<5	np	8.3	..	..	11.8
2005/06–2009/10	31	12	<5	np	21.8	8.4	..	32.3
2010/11–2014/15	20	6	0	26	14.4	4.3	..	18.7
2015/16–2019/20	24	10	<5	np	17.1	7.1	..	24.9
Water transport accidents (V90-V94)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	<5	0	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..

(Continued)

Appendix Table 6: (continued): Cause of injury by severity, young people aged 13–18 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Other and unspecified transport accidents (V98-V99)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Other causes of injury								
Slipping, tripping, stumbling and falls (W00-W19)								
2000/01–2004/05	386	42	5	433	268.5	29.2	3.5	301.2
2005/06–2009/10	429	64	9	502	301.7	45.0	6.3	353.0
2010/11–2014/15	567	72	13	652	408.2	51.8	9.4	469.4
2015/16–2019/20	660	72	9	741	469.2	51.2	6.4	526.8
Exposure to inanimate mechanical forces (W20-W49)								
2000/01–2004/05	251	16	<5	np	174.6	11.1	..	187.8
2005/06–2009/10	368	32	<5	np	258.8	22.5	..	283.4
2010/11–2014/15	424	28	<5	np	305.2	20.2	..	326.1
2015/16–2019/20	547	26	0	573	388.9	18.5	..	407.4
Exposure to animate mechanical forces (W50-W64)								
2000/01–2004/05	68	14	<5	np	47.3	9.7	..	57.7
2005/06–2009/10	156	24	<5	np	109.7	16.9	..	127.3
2010/11–2014/15	190	39	<5	np	136.8	28.1	..	166.3
2015/16–2019/20	272	49	<5	np	193.4	34.8	..	229.6
Accidental non-transport drowning and submersion (W65-W74)								
2000/01–2004/05	0	0	<5	np	..	..	..	..
2005/06–2009/10	0	0	<5	np	..	..	..	..
2010/11–2014/15	<5	0	<5	np	..	..	..	..
2015/16–2019/20	0	<5	0	np	..	..	..	..
Exposure to electric current, radiation and extreme ambient air temperature and pressure (W85-W99)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Exposure to smoke, fire and flames (X00-X09)								
2000/01–2004/05	<5	<5	<5	np	..	..	..	3.5
2005/06–2009/10	6	<5	<5	np	4.2	..	..	5.6
2010/11–2014/15	<5	<5	0	np	..	..	..	5.8
2015/16–2019/20	6	<5	0	np	4.3	..	..	5.7
Contact with venomous animals and plants (X20-X29)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	8	<5	0	np	5.6	..	..	6.3
2010/11–2014/15	8	0	0	8	5.8	..	..	5.8
2015/16–2019/20	6	<5	0	np	4.3	..	..	5.0
Contact with heat and hot substances (X10-X19)								
2000/01–2004/05	6	0	0	6	4.2	..	..	4.2
2005/06–2009/10	5	<5	0	np	3.5	..	..	4.2
2010/11–2014/15	<5	<5	0	np	..	..	..	..
2015/16–2019/20	11	<5	0	np	7.8	..	..	9.2
Exposure to forces of nature (X30-X39)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	<5	0	np	..	..	..	..
Poisoning by and exposure to noxious substances (X40-X49)								
2000/01–2004/05	22	0	0	22	15.3	..	..	15.3
2005/06–2009/10	27	<5	0	np	19.0	..	..	20.4
2010/11–2014/15	24	8	0	32	17.3	5.8	..	23.0
2015/16–2019/20	44	6	0	50	31.3	4.3	..	35.5

(Continued)

Appendix Table 6: (continued): Cause of injury by severity, young people aged 13–18 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Overexertion and strenuous or repetitive movements (X50-X50)								
2000/01–2004/05	36	<5	<5	np	25.0	..	..	26.4
2005/06–2009/10	117	6	<5	np	82.3	4.2	..	87.2
2010/11–2014/15	108	7	<5	np	77.8	5.0	..	83.5
2015/16–2019/20	113	12	0	125	80.3	8.5	..	88.9
Travel and motion (X51-X51)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Accidental exposure to other specified factors (X52-X59)								
2000/01–2004/05	273	16	<5	np	189.9	11.1	..	201.7
2005/06–2009/10	355	27	<5	np	249.6	19.0	..	269.3
2010/11–2014/15	308	21	<5	np	221.7	15.1	..	237.6
2015/16–2019/20	390	25	<5	np	277.3	17.8	..	296.5
Intentional self-harm (X60-X84)								
2000/01–2004/05	205	14	5	224	142.6	9.7	3.5	155.8
2005/06–2009/10	263	41	<5	np	184.9	28.8	..	216.6
2010/11–2014/15	339	36	<5	np	244.1	25.9	..	271.4
2015/16–2019/20	663	62	11	736	471.4	44.1	7.8	523.3
Assault (X85-Y09)								
2000/01–2004/05	55	25	8	88	38.3	17.4	5.6	61.2
2005/06–2009/10	125	55	8	188	87.9	38.7	5.6	132.2
2010/11–2014/15	75	40	5	120	54.0	28.8	3.6	86.4
2015/16–2019/20	84	28	<5	np	59.7	19.9	..	82.5
Event of undetermined intent (Y10-Y34)								
2000/01–2004/05	21	<5	0	np	14.6	..	..	17.4
2005/06–2009/10	65	7	0	72	45.7	4.9	..	50.6
2010/11–2014/15	74	9	0	83	53.3	6.5	..	59.8
2015/16–2019/20	31	6	0	37	22.0	4.3	..	26.3
Drugs, medicaments and biological substances causing adverse effects in therapeutic use (Y40-Y59)								
2000/01–2004/05	9	<5	0	np	6.3	..	..	7.7
2005/06–2009/10	31	7	0	38	21.8	4.9	..	26.7
2010/11–2014/15	55	5	<5	np	39.6	3.6	..	43.9
2015/16–2019/20	99	6	<5	np	70.4	4.3	..	75.4

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 7: Cause of injury by severity, young people aged 19–24 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Accidents (V01-X59)								
2000/01–2004/05	985	468	86	1,539	604.9	287.4	52.8	945.1
2005/06–2009/10	1,747	745	144	2,636	974.1	415.4	80.3	1,469.9
2010/11–2014/15	2,036	703	112	2,851	1,049.4	362.3	57.7	1,469.5
2015/16–2019/20	2,555	856	105	3,516	1,306.4	437.7	53.7	1,797.8
Transport injuries (V00-V99)								
Pedestrian injured in transport accident (V00-V09)								
2000/01–2004/05	6	6	<5	np	3.7	3.7	..	8.6
2005/06–2009/10	9	15	8	32	5.0	8.4	4.5	17.8
2010/11–2014/15	7	16	6	29	3.6	8.2	3.1	14.9
2015/16–2019/20	6	12	<5	np	3.1	6.1	..	11.2
Pedal cycle rider injured in transport accident (V10-V19)								
2000/01–2004/05	24	32	<5	np	14.7	19.7	..	35.0
2005/06–2009/10	65	39	14	118	36.2	21.7	7.8	65.8
2010/11–2014/15	63	38	9	110	32.5	19.6	4.6	56.7
2015/16–2019/20	101	47	9	157	51.6	24.0	4.6	80.3
Motorcycle rider injured in transport accident (V20-V29)								
2000/01–2004/05	58	49	<5	np	35.6	30.1	..	68.2
2005/06–2009/10	120	69	23	212	66.9	38.5	12.8	118.2
2010/11–2014/15	74	84	14	172	38.1	43.3	7.2	88.7
2015/16–2019/20	87	84	11	182	44.5	43.0	5.6	93.1
Occupant of three-w heeled motor vehicle injured in transport accident (V30-V39)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Car occupant injured in transport accident (V40-V49)								
2000/01–2004/05	59	84	30	173	36.2	51.6	18.4	106.2
2005/06–2009/10	107	165	40	312	59.7	92.0	22.3	174.0
2010/11–2014/15	75	105	38	218	38.7	54.1	19.6	112.4
2015/16–2019/20	64	129	25	218	32.7	66.0	12.8	111.5
Occupant of pick-up truck or van injured in transport accident (V50-V59)								
2000/01–2004/05	0	0	<5	np	..	..	..	..
2005/06–2009/10	0	<5	<5	np	..	..	..	3.3
2010/11–2014/15	0	0	<5	np	..	..	..	..
2015/16–2019/20	0	<5	0	np	..	..	..	..
Occupant of heavy transport vehicle injured in transport accident (V60-V69)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	<5	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Bus occupant injured in transport accident (V70-V79)								
2000/01–2004/05	<5	<5	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	<5	0	np	..	..	..	..
2015/16–2019/20	6	<5	0	np	3.1	..	..	5.1
Other land transport accidents (V80-V89)								
2000/01–2004/05	8	6	<5	np	4.9	3.7	..	9.8
2005/06–2009/10	19	19	7	45	10.6	10.6	3.9	25.1
2010/11–2014/15	28	19	0	47	14.4	9.8	..	24.2
2015/16–2019/20	18	23	<5	np	9.2	11.8	..	22.0
Water transport accidents (V90-V94)								
2000/01–2004/05	<5	<5	0	np	..	..	..	..
2005/06–2009/10	<5	<5	<5	np	..	..	..	..
2010/11–2014/15	0	<5	<5	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..

(Continued)

Appendix Table 7: (continued): Cause of injury by severity, young people aged 19–24 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Other and unspecified transport accidents (V98-V99)								
2000/01–2004/05	<5	0	<5	np	..	..	..	..
2005/06–2009/10	0	<5	<5	np	..	..	..	..
2010/11–2014/15	<5	<5	<5	np	..	..	..	3.1
2015/16–2019/20	0	0	0	0	..	..	..	..
Other causes of injury								
Slipping, tripping, stumbling and falls (W00-W19)								
2000/01–2004/05	161	100	21	282	98.9	61.4	12.9	173.2
2005/06–2009/10	292	142	29	463	162.8	79.2	16.2	258.2
2010/11–2014/15	416	153	19	588	214.4	78.9	9.8	303.1
2015/16–2019/20	486	199	28	713	248.5	101.8	14.3	364.6
Exposure to inanimate mechanical forces (W20-W49)								
2000/01–2004/05	255	56	12	323	156.6	34.4	7.4	198.4
2005/06–2009/10	490	74	7	571	273.2	41.3	3.9	318.4
2010/11–2014/15	633	63	8	704	326.3	32.5	4.1	362.9
2015/16–2019/20	887	116	6	1,009	453.5	59.3	3.1	515.9
Exposure to animate mechanical forces (W50-W64)								
2000/01–2004/05	38	24	<5	np	23.3	14.7	..	39.3
2005/06–2009/10	110	52	7	169	61.3	29.0	3.9	94.2
2010/11–2014/15	188	72	<5	np	96.9	37.1	..	135.6
2015/16–2019/20	242	97	5	344	123.7	49.6	2.6	175.9
Accidental non-transport drowning and submersion (W65-W74)								
2000/01–2004/05	0	0	<5	np	..	..	..	..
2005/06–2009/10	0	0	<5	np	..	..	..	..
2010/11–2014/15	<5	<5	<5	np	..	..	..	..
2015/16–2019/20	<5	<5	<5	np	..	..	..	..
Exposure to electric current, radiation and extreme ambient air temperature and pressure (W85-W99)								
2000/01–2004/05	<5	<5	0	np	..	..	..	..
2005/06–2009/10	8	<5	0	np	4.5	..	..	5.0
2010/11–2014/15	<5	<5	<5	np	..	..	..	3.6
2015/16–2019/20	6	<5	0	np	3.1	..	..	4.1
Exposure to smoke, fire and flames (X00-X09)								
2000/01–2004/05	<5	<5	<5	np	..	..	..	3.1
2005/06–2009/10	<5	5	0	np	..	2.8	..	4.5
2010/11–2014/15	<5	9	0	np	..	4.6	..	5.7
2015/16–2019/20	<5	7	<5	np	..	3.6	..	5.6
Contact with venomous animals and plants (X20-X29)								
2000/01–2004/05	6	0	0	6	3.7	..	..	3.7
2005/06–2009/10	11	0	0	11	6.1	..	..	6.1
2010/11–2014/15	14	<5	0	np	7.2	..	..	7.7
2015/16–2019/20	11	<5	0	np	5.6	..	..	6.1
Contact with heat and hot substances (X10-X19)								
2000/01–2004/05	<5	10	0	np	..	6.1	..	8.0
2005/06–2009/10	<5	12	<5	np	..	6.7	..	9.5
2010/11–2014/15	<5	11	0	np	..	5.7	..	6.2
2015/16–2019/20	<5	9	<5	np	..	4.6	..	6.6
Exposure to forces of nature (X30-X39)								
2000/01–2004/05	<5	0	<5	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	<5	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Poisoning by and exposure to noxious substances (X40-X49)								
2000/01–2004/05	24	18	0	42	14.7	11.1	..	25.8
2005/06–2009/10	48	23	<5	np	26.8	12.8	..	40.1
2010/11–2014/15	18	21	<5	np	9.3	10.8	..	21.1
2015/16–2019/20	61	33	0	94	31.2	16.9	..	48.1

(Continued)

Appendix Table 7: (continued): Cause of injury by severity, young people aged 19–24 years, ACT residents

	Separations				Age-specific rates per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Overexertion and strenuous or repetitive movements (X50-X50)								
2000/01–2004/05	38	11	<5	np	23.3	6.8	..	32.5
2005/06–2009/10	117	30	<5	np	65.2	16.7	..	83.1
2010/11–2014/15	132	31	<5	np	68.0	16.0	..	86.1
2015/16–2019/20	121	30	9	160	61.9	15.3	4.6	81.8
Travel and motion (X51-X51)								
2000/01–2004/05	0	<5	0	np	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Accidental exposure to other specified factors (X52-X59)								
2000/01–2004/05	301	67	<5	np	184.8	41.1	..	227.8
2005/06–2009/10	345	98	<5	np	192.4	54.6	..	248.7
2010/11–2014/15	383	73	9	465	197.4	37.6	4.6	239.7
2015/16–2019/20	461	64	<5	np	235.7	32.7	..	270.0
Intentional self-harm (X60-X84)								
2000/01–2004/05	168	71	10	249	103.2	43.6	6.1	152.9
2005/06–2009/10	234	99	6	339	130.5	55.2	3.3	189.0
2010/11–2014/15	266	78	14	358	137.1	40.2	7.2	184.5
2015/16–2019/20	418	174	14	606	213.7	89.0	7.2	309.9
Assault (X85-Y09)								
2000/01–2004/05	53	73	14	140	32.5	44.8	8.6	86.0
2005/06–2009/10	192	198	31	421	107.1	110.4	17.3	234.8
2010/11–2014/15	122	127	22	271	62.9	65.5	11.3	139.7
2015/16–2019/20	121	108	15	244	61.9	55.2	7.7	124.8
Event of undetermined intent (Y10-Y34)								
2000/01–2004/05	30	13	<5	np	18.4	8.0	..	27.0
2005/06–2009/10	88	32	<5	np	49.1	17.8	..	68.6
2010/11–2014/15	89	30	0	119	45.9	15.5	..	61.3
2015/16–2019/20	50	22	<5	np	25.6	11.2	..	37.3
Drugs, medicaments and biological substances causing adverse effects in therapeutic use (Y40-Y59)								
2000/01–2004/05	7	5	<5	np	4.3	3.1	..	9.2
2005/06–2009/10	32	10	0	42	17.8	5.6	..	23.4
2010/11–2014/15	72	23	<5	np	37.1	11.9	..	50.0
2015/16–2019/20	109	11	<5	np	55.7	5.6	..	62.4

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 8: Injury by leading place of occurrence and severity, children aged 0–12 years, ACT residents

	Severity				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Y92.0 – Home								
2000/01–2004/05	553	32	6	591	197.7	11.4	2.1	211.3
2005/06–2009/10	521	32	8	561	189.6	11.6	2.9	204.1
2010/11–2014/15	718	19	9	746	238.0	6.3	3.0	247.3
2015/16–2019/20	1,022	25	9	1,056	297.0	7.3	2.6	306.9
Y92.1 – Residential institution								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	5	0	0	5	1.7	..	..	1.7
2015/16–2019/20	<5	0	0	np	..	..	..	..
Y92.2 – School, other institution and public administrative area								
2000/01–2004/05	503	11	<5	np	179.8	3.9	..	184.5
2005/06–2009/10	623	7	0	630	226.7	2.5	..	229.2
2010/11–2014/15	787	8	<5	np	260.9	2.7	..	264.2
2015/16–2019/20	1,101	14	<5	np	320.0	4.1	..	324.4
Y92.3 – Sports and athletics area								
2000/01–2004/05	105	<5	<5	np	37.5	..	..	39.3
2005/06–2009/10	161	5	<5	np	58.6	1.8	..	60.8
2010/11–2014/15	207	<5	<5	np	68.6	..	..	69.6
2015/16–2019/20	355	9	<5	np	103.2	2.6	..	106.1
Y92.4 – Street and highway								
2000/01–2004/05	70	14	<5	np	25.0	5.0	..	30.7
2005/06–2009/10	91	7	<5	np	33.1	2.5	..	36.7
2010/11–2014/15	90	5	<5	np	29.8	1.7	..	32.5
2015/16–2019/20	98	8	0	106	28.5	2.3	..	30.8
Y92.5 – Trade and service area								
2000/01–2004/05	16	0	0	16	5.7	..	..	5.7
2005/06–2009/10	18	0	<5	np	6.5	..	..	6.9
2010/11–2014/15	30	<5	0	np	9.9	..	..	10.9
2015/16–2019/20	41	<5	0	np	11.9	..	..	12.2
Y92.6 – Industrial and construction area								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Y92.7 – Farm								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	6	0	0	6	2.2	..	..	2.2
2010/11–2014/15	7	0	0	7	2.3	..	..	2.3
2015/16–2019/20	5	<5	0	np	1.5	..	..	1.7
Y92.8 – Other specified place of occurrence								
2000/01–2004/05	82	<5	<5	np	29.3	..	..	30.7
2005/06–2009/10	75	5	<5	np	27.3	1.8	..	29.5
2010/11–2014/15	130	<5	<5	np	43.1	..	..	44.1
2015/16–2019/20	211	<5	<5	np	61.3	..	..	62.5
Y92.9 – Unspecified place of occurrence								
2000/01–2004/05	1,269	26	<5	np	453.7	9.3	..	464.4
2005/06–2009/10	1,265	25	0	1,290	460.3	9.1	..	469.4
2010/11–2014/15	1,529	13	<5	np	506.8	4.3	..	511.8
2015/16–2019/20	2,178	28	<5	np	633.0	8.1	..	641.7

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 8: Injury by leading place of occurrence and severity, young people aged 13–18 years, ACT residents

	Severity				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Y92.0 – Home								
2000/01–2004/05	181	16	5	202	125.9	11.1	3.5	140.5
2005/06–2009/10	250	47	5	302	175.8	33.1	3.5	212.4
2010/11–2014/15	329	47	<5	np	236.9	33.8	..	272.1
2015/16–2019/20	505	53	8	566	359.0	37.7	5.7	402.4
Y92.1 – Residential institution								
2000/01–2004/05	9	<5	0	np	6.3	..	..	7.7
2005/06–2009/10	11	<5	0	np	7.7	..	..	10.5
2010/11–2014/15	6	<5	<5	np	4.3	..	..	5.8
2015/16–2019/20	25	<5	<5	np	17.8	..	..	19.9
Y92.2 – School, other institution and public administrative area								
2000/01–2004/05	155	46	<5	np	107.8	32.0	..	141.9
2005/06–2009/10	254	74	6	334	178.6	52.0	4.2	234.9
2010/11–2014/15	268	72	7	347	192.9	51.8	5.0	249.8
2015/16–2019/20	368	63	<5	np	261.6	44.8	..	309.3
Y92.3 – Sports and athletics area								
2000/01–2004/05	230	26	<5	np	160.0	18.1	..	180.8
2005/06–2009/10	438	57	10	505	308.0	40.1	7.0	355.1
2010/11–2014/15	661	93	9	763	475.9	67.0	6.5	549.3
2015/16–2019/20	794	80	9	883	564.5	56.9	6.4	627.8
Y92.4 – Street and highway								
2000/01–2004/05	96	43	15	154	66.8	29.9	10.4	107.1
2005/06–2009/10	159	114	22	295	111.8	80.2	15.5	207.4
2010/11–2014/15	103	80	24	207	74.2	57.6	17.3	149.0
2015/16–2019/20	137	77	12	226	97.4	54.7	8.5	160.7
Y92.5 – Trade and service area								
2000/01–2004/05	20	8	<5	np	13.9	5.6	..	20.9
2005/06–2009/10	57	13	<5	np	40.1	9.1	..	50.6
2010/11–2014/15	39	6	<5	np	28.1	4.3	..	33.1
2015/16–2019/20	60	10	<5	np	42.7	7.1	..	50.5
Y92.6 – Industrial and construction area								
2000/01–2004/05	9	<5	0	np	6.3	..	..	7.0
2005/06–2009/10	5	<5	0	np	3.5	..	..	6.3
2010/11–2014/15	21	<5	0	np	15.1	..	..	15.8
2015/16–2019/20	20	<5	0	np	14.2	..	..	16.4
Y92.7 – Farm								
2000/01–2004/05	<5	<5	0	np	..	..	..	..
2005/06–2009/10	6	0	0	6	4.2	..	..	4.2
2010/11–2014/15	11	<5	<5	np	7.9	..	..	9.4
2015/16–2019/20	17	5	0	22	12.1	3.6	..	15.6
Y92.8 – Other specified place of occurrence								
2000/01–2004/05	47	14	<5	np	32.7	9.7	..	43.8
2005/06–2009/10	58	13	0	71	40.8	9.1	..	49.9
2010/11–2014/15	53	10	8	71	38.2	7.2	5.8	51.1
2015/16–2019/20	80	17	<5	np	56.9	12.1	..	71.1
Y92.9 – Unspecified place of occurrence								
2000/01–2004/05	870	93	14	977	605.1	64.7	9.7	679.6
2005/06–2009/10	1,167	148	14	1,329	820.6	104.1	9.8	934.6
2010/11–2014/15	1,036	130	8	1,174	745.8	93.6	5.8	845.2
2015/16–2019/20	1,368	139	5	1,512	972.6	98.8	3.6	1,075.0

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 9: Injury by leading place of occurrence and severity, young people aged 19–24 years, ACT residents

	Severity				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Y92.0 – Home								
2000/01–2004/05	155	85	9	249	95.2	52.2	5.5	152.9
2005/06–2009/10	242	112	8	362	134.9	62.5	4.5	201.9
2010/11–2014/15	293	110	21	424	151.0	56.7	10.8	218.5
2015/16–2019/20	435	211	25	671	222.4	107.9	12.8	343.1
Y92.1 – Residential institution								
2000/01–2004/05	7	<5	0	np	4.3	..	..	5.5
2005/06–2009/10	<5	5	<5	np	..	2.8	..	5.0
2010/11–2014/15	19	9	<5	np	9.8	4.6	..	14.9
2015/16–2019/20	7	8	<5	np	3.6	4.1	..	9.2
Y92.2 – School, other institution and public administrative area								
2000/01–2004/05	43	146	9	198	26.4	89.7	5.5	121.6
2005/06–2009/10	91	237	14	342	50.7	132.2	7.8	190.7
2010/11–2014/15	115	292	18	425	59.3	150.5	9.3	219.1
2015/16–2019/20	126	279	12	417	64.4	142.7	6.1	213.2
Y92.3 – Sports and athletics area								
2000/01–2004/05	109	61	7	177	66.9	37.5	4.3	108.7
2005/06–2009/10	290	101	14	405	161.7	56.3	7.8	225.8
2010/11–2014/15	468	146	15	629	241.2	75.3	7.7	324.2
2015/16–2019/20	564	143	12	719	288.4	73.1	6.1	367.6
Y92.4 – Street and highway								
2000/01–2004/05	93	136	37	266	57.1	83.5	22.7	163.3
2005/06–2009/10	197	270	74	541	109.8	150.6	41.3	301.7
2010/11–2014/15	141	208	69	418	72.7	107.2	35.6	215.4
2015/16–2019/20	203	239	43	485	103.8	122.2	22.0	248.0
Y92.5 – Trade and service area								
2000/01–2004/05	37	19	8	64	22.7	11.7	4.9	39.3
2005/06–2009/10	92	56	11	159	51.3	31.2	6.1	88.7
2010/11–2014/15	128	40	9	177	66.0	20.6	4.6	91.2
2015/16–2019/20	156	38	8	202	79.8	19.4	4.1	103.3
Y92.6 – Industrial and construction area								
2000/01–2004/05	23	6	<5	np	14.1	3.7	..	18.4
2005/06–2009/10	28	8	<5	np	15.6	4.5	..	21.2
2010/11–2014/15	52	10	<5	np	26.8	5.2	..	32.5
2015/16–2019/20	82	19	<5	np	41.9	9.7	..	52.7
Y92.7 – Farm								
2000/01–2004/05	0	<5	<5	np	..	..	..	..
2005/06–2009/10	<5	<5	0	np	..	..	..	3.3
2010/11–2014/15	6	6	0	12	3.1	3.1	..	6.2
2015/16–2019/20	9	<5	0	np	4.6	..	..	6.6
Y92.8 – Other specified place of occurrence								
2000/01–2004/05	33	29	10	72	20.3	17.8	6.1	44.2
2005/06–2009/10	59	37	16	112	32.9	20.6	8.9	62.5
2010/11–2014/15	67	33	<5	np	34.5	17.0	..	53.6
2015/16–2019/20	84	49	5	138	43.0	25.1	2.6	70.6
Y92.9 – Unspecified place of occurrence								
2000/01–2004/05	774	285	36	1,095	475.3	175.0	22.1	672.4
2005/06–2009/10	1,342	474	56	1,872	748.3	264.3	31.2	1,043.8
2010/11–2014/15	1,344	364	26	1,734	692.7	187.6	13.4	893.7
2015/16–2019/20	1,711	437	36	2,184	874.9	223.4	18.4	1,116.7

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 10: Injury by leading activity and severity, children aged 0–12 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Team ball sports (U50)								
2000/01–2004/05	55	6	0	np	19.7	..	..	20.0
2005/06–2009/10	142	0	0	142	51.7	..	..	51.7
2010/11–2014/15	153	6	0	np	50.7	..	..	51.4
2015/16–2019/20	261	6	0	np	75.9	..	..	76.4
Team bat or stick sports (U51)								
2000/01–2004/05	7	6	0	np	2.5	..	..	2.9
2005/06–2009/10	19	0	0	19	6.9	..	..	6.9
2010/11–2014/15	11	0	0	11	3.6	..	..	3.6
2015/16–2019/20	10	6	0	np	2.9	..	..	3.2
Team water sports (U52)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Boating sports (U53)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Individual water sports (U54)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	8	6	0	np	2.9	..	..	3.6
2010/11–2014/15	17	6	0	np	5.6	..	..	6.3
2015/16–2019/20	21	6	0	np	6.1	..	..	7.0
Ice and snow sports (U55)								
2000/01–2004/05	8	0	0	8	2.9	..	..	2.9
2005/06–2009/10	12	6	0	np	4.4	..	..	4.7
2010/11–2014/15	13	0	0	13	4.3	..	..	4.3
2015/16–2019/20	22	6	0	np	6.4	..	..	6.7
Individual athletic activities (U56)								
2000/01–2004/05	13	6	0	np	4.6	..	..	5.0
2005/06–2009/10	6	6	0	np	2.2	..	..	2.5
2010/11–2014/15	14	0	0	14	4.6	..	..	4.6
2015/16–2019/20	5	0	0	5	1.5	..	..	1.5
Acrobatic sports (U57)								
2000/01–2004/05	25	0	0	25	8.9	..	..	8.9
2005/06–2009/10	25	0	0	25	9.1	..	..	9.1
2010/11–2014/15	22	0	0	22	7.3	..	..	7.3
2015/16–2019/20	47	6	0	np	13.7	..	..	14.2
Aesthetic activities (U58)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	5	0	0	5	1.5	..	..	1.5
Racquet sports (U59)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	5	0	0	5	1.5	..	..	1.5
Target and precision sports (U60)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	5	0	0	5	1.5	..	..	1.5

(Continued)

Appendix Table 10: (continued): Injury by leading activity and severity, children aged 0-12 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Combative sports (U61)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	6	0	0	6	2.2	..	..	2.2
2010/11–2014/15	6	0	0	6	2.0	..	..	2.0
2015/16–2019/20	8	0	0	8	2.3	..	..	2.3
Power sports (U62)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Equestrian activities (U63)								
2000/01–2004/05	12	<5	0	np	4.3	..	..	5.4
2005/06–2009/10	10	<5	0	np	3.6	..	..	4.0
2010/11–2014/15	9	0	0	9	3.0	..	..	3.0
2015/16–2019/20	9	0	0	9	2.6	..	..	2.6
Adventure sports (U64)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Wheeled motor sports (U65)								
2000/01–2004/05	6	0	0	6	2.1	..	..	2.1
2005/06–2009/10	13	<5	0	np	4.7	..	..	5.1
2010/11–2014/15	6	0	0	6	2.0	..	..	2.0
2015/16–2019/20	14	0	0	14	4.1	..	..	4.1
Wheeled nonmotored sports (U66)								
2000/01–2004/05	96	6	<5	np	34.3	2.1	..	36.8
2005/06–2009/10	121	9	<5	np	44.0	3.3	..	47.7
2010/11–2014/15	130	<5	0	np	43.1	..	..	43.8
2015/16–2019/20	229	11	0	240	66.6	3.2	..	69.8
Multidiscipline sports (U67)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Aero sports (U68)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Other school-related recreational activities (U69)								
2000/01–2004/05	92	0	0	92	32.9	..	..	32.9
2005/06–2009/10	96	0	0	96	34.9	..	..	34.9
2010/11–2014/15	28	0	0	28	9.3	..	..	9.3
2015/16–2019/20	20	0	0	20	5.8	..	..	5.8
Other specified sport and exercise activity (U70)								
2000/01–2004/05	17	0	0	17	6.1	..	..	6.1
2005/06–2009/10	16	<5	0	np	5.8	..	..	6.2
2010/11–2014/15	52	<5	<5	np	17.2	..	..	17.9
2015/16–2019/20	38	<5	0	np	11.0	..	..	11.6
Unspecified sport and exercise activity (U71)								
2000/01–2004/05	17	<5	0	np	6.1	..	..	6.4
2005/06–2009/10	8	0	0	8	2.9	..	..	2.9
2010/11–2014/15	16	0	0	16	5.3	..	..	5.3
2015/16–2019/20	18	0	0	18	5.2	..	..	5.2

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 11: Injury by leading activity and severity, young people aged 13–18 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Team ball sports (U50)								
2000/01–2004/05	140	14	<5	np	97.4	9.7	..	108.5
2005/06–2009/10	422	47	6	475	296.8	33.1	4.2	334.0
2010/11–2014/15	542	56	<5	np	390.2	40.3	..	433.4
2015/16–2019/20	727	58	<5	np	516.9	41.2	..	561.0
Team bat or stick sports (U51)								
2000/01–2004/05	11	0	0	11	7.7	..	..	7.7
2005/06–2009/10	39	<5	<5	np	27.4	..	..	31.6
2010/11–2014/15	37	8	0	45	26.6	5.8	..	32.4
2015/16–2019/20	29	0	0	29	20.6	..	..	20.6
Team water sports (U52)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Boating sports (U53)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Individual water sports (U54)								
2000/01–2004/05	<5	0	<5	np	..	..	..	3.5
2005/06–2009/10	19	0	<5	np	13.4	..	..	16.2
2010/11–2014/15	11	0	<5	np	7.9	..	..	9.4
2015/16–2019/20	15	0	<5	np	10.7	..	..	12.1
Ice and snow sports (U55)								
2000/01–2004/05	7	0	0	np	4.9	..	..	7.7
2005/06–2009/10	13	0	<5	np	9.1	..	..	10.5
2010/11–2014/15	19	0	0	np	13.7	..	..	15.1
2015/16–2019/20	28	0	<5	np	19.9	..	..	23.5
Individual athletic activities (U56)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	11	0	0	11	7.7	..	..	7.7
2010/11–2014/15	16	0	0	np	11.5	..	..	12.2
2015/16–2019/20	11	0	0	np	7.8	..	..	9.2
Acrobatic sports (U57)								
2000/01–2004/05	9	0	0	np	6.3	..	..	7.0
2005/06–2009/10	13	0	0	np	9.1	..	..	9.8
2010/11–2014/15	14	0	0	np	10.1	..	..	11.5
2015/16–2019/20	18	0	0	np	12.8	..	..	14.9
Aesthetic activities (U58)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	3.5
2010/11–2014/15	5	0	0	5	3.6	..	..	3.6
2015/16–2019/20	5	0	<5	np	3.6	..	..	4.3
Racquet sports (U59)								
2000/01–2004/05	7	0	0	7	4.9	..	..	4.9
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	0	0	0	np	..	..	..	..
2015/16–2019/20	6	0	0	6	4.3	..	..	4.3
Target and precision sports (U60)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..

(Continued)

Appendix Table 11: (continued): Injury by leading activity and severity, young people aged 13–18 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Combative sports (U61)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	10	<5	0	np	7.0	..	..	8.4
2010/11–2014/15	19	<5	0	np	13.7	..	..	14.4
2015/16–2019/20	15	0	0	15	10.7	..	..	10.7
Power sports (U62)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	<5	<5	0	np	..	..	..	..
Equestrian activities (U63)								
2000/01–2004/05	7	<5	<5	np	4.9	..	..	7.0
2005/06–2009/10	21	6	<5	np	14.8	4.2	..	19.7
2010/11–2014/15	14	<5	0	np	10.1	..	..	13.0
2015/16–2019/20	11	6	<5	np	7.8	4.3	..	12.8
Adventure sports (U64)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	5	0	0	5	3.6	..	..	3.6
2015/16–2019/20	5	0	0	5	3.6	..	..	3.6
Wheeled motor sports (U65)								
2000/01–2004/05	7	<5	0	np	4.9	..	..	5.6
2005/06–2009/10	17	7	0	24	12.0	4.9	..	16.9
2010/11–2014/15	24	7	0	31	17.3	5.0	..	22.3
2015/16–2019/20	16	<5	0	np	11.4	..	..	13.5
Wheeled nonmotored sports (U66)								
2000/01–2004/05	84	8	0	92	58.4	5.6	..	64.0
2005/06–2009/10	127	22	<5	np	89.3	15.5	..	105.5
2010/11–2014/15	172	32	8	212	123.8	23.0	5.8	152.6
2015/16–2019/20	175	26	<5	np	124.4	18.5	..	145.7
Multidiscipline sports (U67)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	<5	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Aero sports (U68)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Other school-related recreational activities (U69)								
2000/01–2004/05	5	0	0	5	3.5	..	..	3.5
2005/06–2009/10	13	<5	0	np	9.1	..	..	9.8
2010/11–2014/15	5	0	0	5	3.6	..	..	3.6
2015/16–2019/20	6	<5	0	np	4.3	..	..	5.7
Other specified sport and exercise activity (U70)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	10	<5	0	np	7.0	..	..	8.4
2010/11–2014/15	18	5	<5	np	13.0	3.6	..	17.3
2015/16–2019/20	25	<5	0	np	17.8	..	..	19.2
Unspecified sport and exercise activity (U71)								
2000/01–2004/05	<5	<5	0	np	..	..	..	..
2005/06–2009/10	11	<5	0	np	7.7	..	..	8.4
2010/11–2014/15	17	0	<5	np	12.2	..	..	13.0
2015/16–2019/20	18	0	0	18	12.8	..	..	12.8

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 12: Injury by leading activity and severity, young people aged 19–24 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Team ball sports (U50)								
2000/01–2004/05	63	37	0	100	38.7	22.7	..	61.4
2005/06–2009/10	256	85	11	352	142.7	47.4	6.1	196.3
2010/11–2014/15	345	99	5	449	177.8	51.0	2.6	231.4
2015/16–2019/20	448	94	6	548	229.1	48.1	3.1	280.2
Team bat or stick sports (U51)								
2000/01–2004/05	10	5	<5	np	6.1	3.1	..	11.1
2005/06–2009/10	38	8	<5	np	21.2	4.5	..	26.2
2010/11–2014/15	49	<5	<5	np	25.3	..	..	27.8
2015/16–2019/20	53	7	0	60	27.1	3.6	..	30.7
Team water sports (U52)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Boating sports (U53)								
2000/01–2004/05	0	<5	0	np	..	..	..	..
2005/06–2009/10	<5	<5	<5	np	..	..	..	..
2010/11–2014/15	0	0	<5	np	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Individual water sports (U54)								
2000/01–2004/05	0	<5	0	np	..	..	..	..
2005/06–2009/10	10	<5	<5	np	5.6	..	..	8.4
2010/11–2014/15	8	<5	0	np	4.1	..	..	5.7
2015/16–2019/20	10	<5	0	np	5.1	..	..	7.2
Ice and snow sports (U55)								
2000/01–2004/05	<5	7	0	np	..	4.3	..	4.9
2005/06–2009/10	21	6	<5	np	11.7	3.3	..	15.6
2010/11–2014/15	37	11	<5	np	19.1	5.7	..	25.3
2015/16–2019/20	32	14	0	46	16.4	7.2	..	23.5
Individual athletic activities (U56)								
2000/01–2004/05	0	0	<5	np	..	..	..	..
2005/06–2009/10	5	<5	0	np	2.8	..	..	3.3
2010/11–2014/15	<5	<5	0	np	..	..	..	..
2015/16–2019/20	<5	<5	<5	np	..	..	..	4.1
Acrobatic sports (U57)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	5	<5	0	np	2.6	..	..	3.1
Aesthetic activities (U58)								
2000/01–2004/05	<5	<5	<5	np	..	..	..	..
2005/06–2009/10	<5	<5	0	np	..	..	..	..
2010/11–2014/15	7	<5	0	np	3.6	..	..	4.6
2015/16–2019/20	<5	<5	0	np	..	..	..	3.1
Racquet sports (U59)								
2000/01–2004/05	<5	0	<5	np	..	..	..	..
2005/06–2009/10	5	<5	0	np	2.8	..	..	3.9
2010/11–2014/15	<5	<5	0	np	..	..	..	2.6
2015/16–2019/20	<5	<5	0	np	..	..	..	..
Target and precision sports (U60)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	<5	<5	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..

(Continued)

Appendix Table 12: (continued): Injury by leading activity and severity, young people aged 19–24 years, ACT residents

	Separations				Rate per 100,000 persons			
	Minor	Moderate	Serious	Total	Minor	Moderate	Serious	Total
Combative sports (U61)								
2000/01–2004/05	6	<5	0	np	3.7	..	..	4.9
2005/06–2009/10	12	<5	0	np	6.7	..	..	8.4
2010/11–2014/15	24	5	<5	np	12.4	2.6	..	16.5
2015/16–2019/20	21	<5	0	np	10.7	..	..	12.3
Power sports (U62)								
2000/01–2004/05	<5	0	<5	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	5	6	<5	np	2.6	3.1	..	6.2
2015/16–2019/20	7	<5	<5	np	3.6	..	..	6.1
Equestrian activities (U63)								
2000/01–2004/05	0	<5	<5	np	..	..	..	3.1
2005/06–2009/10	5	5	<5	np	2.8	2.8	..	6.7
2010/11–2014/15	15	13	0	28	7.7	6.7	..	14.4
2015/16–2019/20	14	17	0	31	7.2	8.7	..	15.9
Adventure sports (U64)								
2000/01–2004/05	0	<5	0	np	..	..	..	..
2005/06–2009/10	<5	<5	<5	np	..	..	..	..
2010/11–2014/15	<5	<5	<5	np	..	..	..	..
2015/16–2019/20	16	6	0	22	8.2	3.1	..	11.2
Wheeled motor sports (U65)								
2000/01–2004/05	15	7	0	22	9.2	4.3	..	13.5
2005/06–2009/10	25	17	<5	np	13.9	9.5	..	24.0
2010/11–2014/15	25	17	<5	np	12.9	8.8	..	22.2
2015/16–2019/20	15	19	<5	np	7.7	9.7	..	17.9
Wheeled nonmotored sports (U66)								
2000/01–2004/05	14	9	5	28	8.6	5.5	3.1	17.2
2005/06–2009/10	57	25	10	92	31.8	13.9	5.6	51.3
2010/11–2014/15	72	36	10	118	37.1	18.6	5.2	60.8
2015/16–2019/20	111	37	7	155	56.8	18.9	3.6	79.3
Multidiscipline sports (U67)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	<5	0	0	np	..	..	..	..
Aero sports (U68)								
2000/01–2004/05	0	<5	0	np	..	..	..	..
2005/06–2009/10	<5	0	0	np	..	..	..	..
2010/11–2014/15	<5	0	0	np	..	..	..	..
2015/16–2019/20	0	<5	0	np	..	..	..	..
Other school-related recreational activities (U69)								
2000/01–2004/05	0	0	0	0	..	..	..	..
2005/06–2009/10	0	0	0	0	..	..	..	..
2010/11–2014/15	0	0	0	0	..	..	..	..
2015/16–2019/20	0	0	0	0	..	..	..	..
Other specified sport and exercise activity (U70)								
2000/01–2004/05	0	<5	0	np	..	..	..	..
2005/06–2009/10	8	<5	<5	np	4.5	..	..	7.2
2010/11–2014/15	21	9	0	30	10.8	4.6	..	15.5
2015/16–2019/20	18	7	<5	np	9.2	3.6	..	13.8
Unspecified sport and exercise activity (U71)								
2000/01–2004/05	<5	0	0	np	..	..	..	..
2005/06–2009/10	5	<5	0	np	2.8	..	..	5.0
2010/11–2014/15	12	<5	0	np	6.2	..	..	7.7
2015/16–2019/20	26	<5	<5	np	13.3	..	..	14.3

Notes:

Includes public and private hospitals.

<5 Less than five separations.

.. Rate not calculated due to small numbers.

np Not published.

Source: ACT Admitted Patient Care data collection.

Appendix Table 13: Injury-related hospital separations by hospital type, ACT residents aged less than 25 years, 2000/01–2004/05 to 2015/16–2019/20

	Public	Private	Total
		(Per cent)	
2000/01–2004/05	76.5	23.5	100
2005/06–2009/10	82.8	17.2	100
2010/11–2014/15	84.6	15.4	100
2015/16–2019/20	86.2	13.8	100