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Gambling activity in Australia

Findings from wave 15 of the Household, Income and Labour Dynamics in Australia (HILDA) Survey

RESEARCH REPORT 2017

Andrew Armstrong and Megan Carroll

Families Framework research domain: Challenges for families



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	Poker	hand is determined according to the combinations of players' cards
	Race betting	

Term	Description
Regular gamblers	Adults who spent money on one or more gambling activities in a typical month of 2015.
SEIFA	Socio-Economic Indexes for Areas (SEIFA) ranks areas in Australia according to relative socio-economic advantage and disadvantage. The indexes are based on information from the five-yearly Census.
Sports betting	Wagering on local, national or international sporting activities (other than horse and greyhound racing).
Significant difference (statistical)	A difference that is highly unlikely due to chance.
Utility expenditure	Total household expenditure on electricity bills, gas bills and other heating fuel such as firewood and heating oil. Does not include water, telephone or internet bills.
Weighted data	Data collected from survey participants are adjusted to represent the population from which the sample was drawn. For instance, data from the 17,606 wave 15 HILDA Survey participants are adjusted so that together they represent the total population of Australia.

Executive Summary

This report provides an overview of gambling activity in Australia in 2015, with respect to participation, expenditure, and problems among regular gamblers. The report follows a format and style common to gambling prevalence studies conducted in Australia and elsewhere.

As with those studies, the report is intended as a reference document. It is written primarily for researchers and government officials who have an interest in Australian gambling statistics. This report makes a unique contribution to knowledge of gambling in Australia, since Australia has no prior history of surveying and reporting on gambling activity among regular gamblers at the national level.

The content consists primarily of descriptive statistics with a focus on population estimates. The statistics were obtained from cross-sectional analysis of Household, Income and Labour Dynamics in Australia (HILDA) Survey data, wave 15, which is the first wave to include gambling questions. The HILDA Survey was designed so that participants' responses (17,606 participants in wave 15) could be generalised to the Australian adult population.

The participation statistics include population-representative estimates of the proportion and number of Australians who spent money on up to ten common gambling activities (lotteries, instant scratch tickets, electronic gaming machines, race betting, sports betting, keno, casino table games, bingo, private betting and poker) in a typical month of 2015. The report refers almost entirely to these gamblers, which we refer to as regular gamblers.

Chapter 1 of this report provides the background to the study and details regarding study design and methodology. **Chapters 2 and 3** respectively provide statistics regarding typical gambling participation and expenditure. **Chapters 4 and 5** address participation and expenditure among adults who experienced gambling-related problems. In **Chapter 6** gambling expenditure is positioned within the household budgets of low, middle and high-income households. As well, rates of financial stress are compared between households that contain members with and without gambling problems. Additional tables, including comparison of the HILDA Survey gambling statistics with recent state/territory and national prevalence data and industry revenue data, can be found in the **Appendices**.

The report identifies an estimated 6.8 million regular gamblers in 2015, among whom lottery participation was very common (76%). Instant scratch tickets (22%) and electronic gaming machines (EGMs; 21%) followed, attracting 1.4 to 1.5 million gamblers. Less than a million gambled regularly on anything else, including racing (14%), sports betting (8%), keno (8%), casino table games (3%), bingo (3%), private betting (2%) and poker (2%). It was common for people to participate either solely in lotteries (59%), or a combination of lotteries and up to two additional activities.

While lotteries and instant scratch tickets were the most popular activities, individual gamblers spent comparatively little on these activities in a typical month, and therefore over the entirety of the year (\$695 and \$248 per year on average). Those who gambled on Electronic Gaming Machines spent a great deal more per year (\$1,292 on average). So too did those who regularly gambled on races (\$1,308), sports (\$1,032), casino table games (\$1,369), and particularly poker (\$1,758).

Regular gamblers, viewed by activity, have quite different profiles. For example, compared to the Australian population:

- lottery participants were over-represented among older couples living without children;
- EGM participants were over-represented among people for whom welfare payments formed their main source of income;
- bingo participants were over-represented among retired women living alone;
- regular race or sports bettors were over-represented among men on higher incomes, yet the race bettors were more likely to be older and live in outer regional/remote areas; and
- sports bettors were more likely to be younger and live in an inner-regional area or major city.

Gambling problems are indicated in the HILDA Survey by endorsing one or more items on the Problem Gambling Severity Index (PGSI). According to the standard use of the PGSI, 1.1 million regular gamblers were estimated to have behaved in ways that caused or put them at risk of gambling-related problems.

Among this subset of regular gamblers, there were more sociodemographic similarities than differences. Those who experienced problems were generally more likely to be young, single, unemployed or not employed (excluding retirees and full-time students), Indigenous, men, living in rental accommodation, in a low socioeconomic area, and were more likely to draw their income from welfare payments than those who had no problems.

Those with problems were also more likely to participate regularly in certain activities. This led to rates of problems being particularly high among participants in six activities (EGMs, race betting, sports betting, casino table games, private betting, and poker) with almost 1-in-2 gamblers on any of these activities experiencing one or more issues.

Another thing those with problems had in common was higher than average spending on gambling. This was particularly so among EGM, race and sports betting participants. Those experiencing the greatest problems spent more than four times as much on these activities, and on gambling overall, as those without problems. Well over half of all expenditure by regular gamblers on these activities came from people who had problems.

Overall, more than forty percent of gambling expenditure by regular gamblers, aggregated across all activities, was accounted for by the 17% who experienced problems.

Gambling expenditure has significant financial ramifications for low-income households, particularly among households where gamblers experienced problems. Gamblers living in low-income households spent a much greater proportion of their household's total disposable income on gambling than high-income households (10% vs 1% on average)—this despite spending less in actual dollar terms (\$1,662 vs \$2,387).

Gamblers who had problems spent much more of their households' income on gambling than other regular gamblers, with those experiencing severe problems in low-income households spending an average 27% of their disposable household income on gambling—equivalent to four times their yearly household utility bills, or more than half the grocery bills for that income group.

Consistent with these patterns of expenditure, the households of those with gambling problems had a much greater proportion of stressful financial events. Inability to pay electricity, gas or telephone bills on time, and needing to ask friends or family for financial help, were common occurrences.

Future waves of the HILDA Survey will provide nationally representative longitudinal data with which to measure changes in gambling activity and effects on individuals and their households.

Key Findings

Chapter 2: Participation

- According to population estimates from the HILDA Survey, 6.8 million or 39% of Australian adults gambled in a typical month of 2015. They are referred to here as regular gamblers.
- Among the 6.8 million gamblers, participation in lotteries was most common (76%), followed by instant scratch tickets (22%) and electronic gaming machines (EGMs) (21%).
- Compared to the Australian adult population, regular gambling participants were substantially
 over-represented among males (i.e., 54% of gamblers were males versus 49% of Australian adults), people
 aged 50 and older, those who had ten years or less schooling or had completed a certificate/diploma, people
 who were retired, who lived alone or with their partner and no others, who lived outside a major city, and
 those who drew on welfare as their main source of income.
- There were wide-ranging sociodemographic differences between those who gambled regularly on each activity and the Australian adult population.

Chapter 3: Expenditure

- Typical monthly expenditure by the 6.8 million regular gamblers amounted to an estimated \$8.6 billion dollars nationally for 2015. Lotteries (42%), EGMs (21%) and race betting (15%) accounted for most of this.
- Regular gamblers' average past-year expenditure was an estimated \$1,272. Poker participants recorded the highest mean product expenditure (\$1,785) and instant scratch tickets the lowest (\$248).
- Gamblers generally spent around half their overall gambling outlay on a single product. Lotteries (79%) and keno (32%) were exceptions, accounting for substantially more and less of their respective participants' overall outlays.
- Mean expenditure was significantly higher than average among gamblers who were male, had completed schooling no further than year 10, were employed full-time, single, and lived with multiple adults. It was lower among gamblers who had a university degree, and lived in a house with children.

Chapter 4: Gambling problems and participation

- As measured using the PGSI, an estimated 7.9% or 1.39 million Australian adults had experienced one or more gambling-related problems in 2015. That is, their gambling behaviour caused or put them at risk of gambling problems. This included 1% or 193,000 who could be classified as "problem gamblers"—the most severe category.
- 80% of those who had experienced problems in the past year had gambled in a typical month of 2015 (i.e., regularly).
- Much higher proportions of low-risk, moderate-risk and problem gamblers participated in EGMs, race betting, and sports betting, compared to non-problem gamblers. Problem gamblers also had much higher participation rates than any other group in casino table games (20%), poker (20%), and private betting (13%).
- Compared to non-problem gamblers, those who experienced problems were over-represented among people
 who were male, aged 18 to 29, Indigenous, were unemployed, or not employed (excluding students and retirees),
 single, renting, lived in a low socioeconomic area, had a low income, and drew their main source of income from
 welfare payments. They were under-represented among those who owned their own home, retirees, university
 graduates, and those who drew their main source of income from superannuation or investments.

Chapter 5: Gambling problems and expenditure

- Gamblers who had problems (i.e., the combined low-risk, moderate-risk and problem gamblers), representing 17% of regular gamblers, accounted for nearly half of all expenditure by regular gamblers in 2015 (\$3.63b or 42%), and more than half of all expenditure by regular gamblers across EGMs, race betting, sports betting, casino table games and private betting (59-69%).
- Regular gamblers' mean expenditure was higher among adults in higher risk groups. Non-problem gamblers averaged \$883 over the year whereas problem gamblers averaged \$6,241.
- The strength of the relationship between expenditure and gambler risk status varied markedly across products. Lottery, keno and instant scratch ticket expenditure had the weakest connection. Race betting, EGMs and particularly sports betting expenditure had the strongest.
- Higher risk gamblers were likely to spend more on gambling overall, and spread their outlay over a range of activities rather than a single activity. Lower risk gamblers spent less overall and on fewer products.

Chapter 6: Gambling and the household budget

- Gamblers living in low-income households spent, on average, a much greater proportion of their household's total disposable income on gambling than high-income households (10% vs 1%)—this despite spending less in actual dollar terms (\$1,662 vs \$2,387).
- Higher risk gamblers spent greater proportions of their household's disposable income on gambling. Problem gamblers in low income households spent the greatest proportion (27%)—equivalent to four times the average yearly household utility bills, and more than half the grocery bills, of that income group.
- Households containing higher risk gamblers experienced a much larger proportion of stressful financial events than those containing non-problem gamblers. The most common were an inability to pay electricity, gas or telephone bills on time, and needing to ask friends or family for financial help.

1 Introduction

Background

Gambling is a common activity in Australia. Most adults participate at least once a year. The most recent gambling surveys put the national annual participation rate at around 64% (Dowling et al., 2016; Hing et al., 2014) and between 55–74% across the states and territories (Office of Economic and Statistical Research, 2012; Davidson et al., 2016; The Social Research Centre, 2013; Stevens et al., 2017; Sproston et al., 2012; ACIL Allen Consulting et al., 2014; Hare, 2015).

The gambling activities that Australians prefer are changing. Compared to two decades ago, far fewer now participate in activities that emphasise chance, including lotteries, scratch tickets, keno and Electronic Gaming Machines (EGMs). Much greater numbers now participate in activities that emphasise skill and experience in predicting the outcome, including some casino table games, horse and dog racing and especially sports (Armstrong et al. 2017).

The amount spent is substantial. In 2014/15, Australians gambled \$191 billion and lost \$22.7 billion across the range of available activities. This equates to \$1,242 spent for every person aged 18 and over (Queensland Government Statistician's Office, 2016).

It means that, per capita, Australian adults are the largest spenders on gambling in the world, at around double the average of other Western countries (The Economist online, 2014, 2011, 2017).

Many see and experience gambling as a form of leisure and recreation. However, gambling can have serious repercussions for individuals, their families and society as a whole (Abbott et al., 2015). Between 5-12% of Australians are estimated to experience one or more gambling problems annually (Dowling et al., 2015; Hing et al., 2014), with rates ranging similarly widely across the states and territories (Office of Economic and Statistical Research, 2012; Davidson et al., 2016; The Social Research Centre, 2013; Stevens et al., 2017; Sproston et al., 2012; ACIL Allen Consulting et al., 2014; Hare, 2015). The burden of harm associated with these problems has been estimated to be of a similar magnitude to depressive disorder and alcohol misuse and dependence (Browne et al., 2016).

While numerous cross-sectional state/territory and some national gambling surveys have been performed, there was until recently no ongoing population-level survey of Australian gambling activity and the socio-economic characteristics of gamblers and their families. Longitudinal data with which to measure change over time in gambling activity and effects on individuals and families was similarly absent.

Inclusion of a gambling activity module within the Household, Income and Labour Dynamics in Australia survey (HILDA) is intended to address this need. HILDA is a nationally representative longitudinal panel study of Australian households which commenced in 2001. It provides data on a wide range of aspects of life around family dynamics, economic and subjective well-being and labour market dynamics.

Gambling questions were included for the first time in wave 15, connecting gambling activity in 2015 to these broad areas of life. The module comprises two components. The first measures the amount of expenditure on 10 different gambling activities during a "typical month"¹. The focus on a "typical month" ensures the focus is on regular gambling, and thus effectively excludes the occasional or once-off expenditure.

The design of these gambling questions was undertaken in collaboration with the Melbourne Institute of Applied Economic and Social Research at the University of Melbourne and Australian Government Department of Social Services.

The second component comprises the Problem Gambling Severity Index (PGSI; Ferris & Wynne, 2001) This includes nine questions used to identify people whose gambling behaviour caused them problems or put them at risk of problems, on a continuum of increasing severity.

The 12th annual statistical report of the HILDA Survey (Wooden and Wilkens, 2017) presented some initial findings in the chapter dedicated to gambling. They found that 39% of Australian adults participated in gambling activities in a typical month, with an average expenditure of \$115 per month. As with previous studies, the HILDA Survey shows males are not only more likely to gamble, but they spend more on average and are more likely to experience gambling-related problems. While lottery was the most common activity, problem gambling is more common among participants in poker, electronic gaming machine users, and race and sports bettors. Most notably, while higher income and full-time employment were significant indicators of participation in gambling and of higher expenditure, it is the unemployed who are at greatest risk of developing problem gambling behaviours.

The intention of this report is to build on this work and provide a more detailed overview of gambling activity in Australia in 2015, in terms of participation, expenditure, and gambling problems among regular gamblers, as drawn from the HILDA self-report survey. The report follows a format and style common to gambling prevalence studies conducted in Australia and elsewhere. As with those studies, the report is intended as a reference document. It is written primarily for researchers and government officials who have an interest in Australian gambling statistics.

Overview of study design

Sample and response

The HILDA Survey commenced in 2001 with a nationally-representative sample of Australian households (residents in private dwellings).² Wave 1 included 11,693 households, sampled from 488 areas across Australia, with members of 7,682 households, or 13,969 individuals, completing interviews. In wave 11 (2011), the sample was topped up with an additional 2,153 households (5,477 individuals) to address the issue of recent arrivals to Australia being under-represented in the HILDA sample.

This report focuses on data from the wave 15 survey which included a gambling question module for the first time. The fieldwork for wave 15 occurred between 28 July 2015 and 7 February 2016, with 98% of fieldwork completed by 31 December 2015. Wave 15 comprised 8,865 fully responding or 9,631 fully and partially responding households, comprising 17,606 responding individuals.

The gambling module formed part of the Self-Completion Questionnaire (SCQ), a paper form administered to every member of each household aged 15 years and over. The SCQ includes questions the respondents may prefer to not disclose in the presence of an interviewer or other household members. The response rate for these was 88%, with 15,245 persons responding to the gambling module.³

Gambling module

The gambling module consisted of two components relating to participation and problems. Participants were first asked whether they spent money on 10 gambling activities in a typical month, and roughly how much on average they spent on each (Table 1.1, page 7). Respondents were considered to be "activity participants" if they responded "yes" to the question of whether they spent money on the activity, even if their expenditure estimate was missing. However, only those with valid expenditure responses were included in expenditure calculations. Missing responses for "any expenditure in a typical month" on a given activity were coded to "no" for those participants who had replied "yes" to other activities. Participants with missing responses on all gambling expenditure questions were excluded from analysis.

² The survey was approved by the Human Research Ethics Committee of the University of Melbourne (1647030).

³ Further details on the structure of the HILDA Survey sample, including complete questionnaires, are available online: http://melbourneinstitute.unimelb.edu.au/hilda.

Table 1.1: Gambling expenditure questions included in HILDA Survey wave 15

In a typical month, roughly how much do you spend on the following activities? This includes money spent on-line (on a computer, mobile/smart phone, iPad etc.). *If you are unsure, please make your best guess.*

	Any expenditure on a typical month?	How much per month? (On average)
Instant scratch tickets ("scratchies")	No/Yes	\$
Bingo	No/Yes	\$
Lotto or lottery games, like Powerball or Oz Lotto	No/Yes	\$
Keno	No/Yes	\$
Private betting (e.g., playing cards or mah-jong with friends and family)	No/Yes	\$
Poker	No/Yes	\$
Casino table games (e.g., blackjack, roulette)	No/Yes	\$
Poker machines ("pokies") or slot machines	No/Yes	\$
Betting on horse or dog races (but not sweeps)	No/Yes	\$
Betting on sports	No/Yes	\$

The second component consisted of the Problem Gambling Severity Index (PGSI; Ferris and Wynne 2001). The PGSI consists of nine items that capture problematic gambling behaviour in the past 12 months, and the adverse consequences of gambling experienced in the past 12 months⁴. These items are shown in Table 1.2. Each item is rated on a 4-point scale, where 0 = Never and 3 = Almost always. Responses are summed to give a score between 0 and 27. The higher the score, the greater the problems or likelihood of problems.

Table 1.2: The Problem Gambling Severity Index

Now thinking about the last 12 months ...

(Cross X one box on each line)	Never	Some- times	Most of the time	Almost always
Have you bet more than you could really afford to lose?				
Have you needed to gamble with larger amounts of money to get the same feeling of excitement?				
When you gambled, did you go back another day to try and win back the money you lost?				
Have you borrowed money or sold anything to get money to gamble?				
Have you felt that you might have a problem with gambling?				
Has gambling caused you any health problems, including stress or anxiety?				
Have people criticized your betting or told you that you had a gambling problem, regardless of whether or not you thought it was true?				
Has your gambling caused any financial problems for you or your household?				
Have you felt guilty about the way you gamble or what happens when you gamble?				

⁴ Whereas PGSI behavioural items refer to actions in the past twelve months, the adverse consequences reported in the past twelve months may be the legacy of prior problematic gambling behaviours. E.g., gambling-related financial hardship experienced in the past 12 months may be a consequence of gambling behaviour in prior years.

All HILDA Survey participants were administered the PGSI, irrespective of whether they had gambled in a typical month. Each participant was assigned a gambling risk state according to the following risk thresholds:

 Table 1.3:
 Problem Gambling Severity Index risk thresholds

PGSI Score	Risk category
0	Non-problem gambler
1-2	Low-risk gambler
3-7	Moderate risk gambler
8 or over	Problem gambler

Non-problem gamblers were those who did not engage in problematic gambling behaviour or experience adverse consequences in the past 12 months from gambling. **Low-risk and moderate-risk gamblers** were those who reported low or moderate level problematic behaviour and/or consequences. They are considered as being at low to moderate risk of becoming problem gamblers. **Problem gamblers** were those who reported high level problematic behaviour and/or consequences.

Statistical analysis

The bulk of the report presents basic descriptive statistics, such as means and percentage distributions. Tables are based on the responding sample for each individual question (i.e., item non-response is excluded), and as such baseline numbers may vary slightly between tables. The sample sizes for each of the gambling activities, and for the categories derived from the PGSI are presented in Appendix B (page 61).

Unless otherwise stated, analysis is conducted at an individual responding person level (rather than household) and based on individual's responses. As monetised gambling is illegal under the age of 18, respondents aged 15-17 were excluded from analysis. The exception to this approach is Chapter 6 (page 52), which addresses gambling expenditure as part of the wider household budget and therefore uses variables constructed from all household members' responses, and includes some analysis conducted at a household level.

Gambling participation and expenditure is analysed according to a set of demographic variables that are expected to be related to gambling behaviours. Some demographic variable percentages may not add to 100% as those which had small categories which did not readily collapse into broader categories are not presented (e.g., participants born outside of Australia, Asia or Europe) but were retained while calculating percentages. For further detail regarding the construction of individual variables for analysis, see Appendix C (page 62).

To reduce the impact of outliers on estimates of gambling expenditure, estimates were Winsorised whereby values were capped at the top and bottom 1%. An individual's overall expenditure was calculated by summing the individually capped expenditure values from each of the ten activities.

Standard errors of statistics are not presented in this report, instead estimates which have a relative standard error of between 30% and 50% are marked with # to indicate unreliable estimates and where caution is required when interpreting these estimates. Estimates with a standard error >50% were suppressed, with np (not presented) appearing in place of the estimate.

Confidence intervals for means were calculated at the 95% level, using weighted standard errors. Tests of statistical significance used survey weighted chi-square and t-tests. Statistical analyses were conducted using STATA v14.2.

Weighting

In order to generalise findings to the Australian population, HILDA Survey data was weighted to reflect the probability of households and individuals being selected in the complex-cross sectional survey. This report uses the Self-Completion Questionnaire (SCQ) weighting values provided in the HILDA Survey dataset. Details about the weighting process can be found elsewhere (Watson 2012). Throughout the report, these population weights were attached to the 14,453 SCQ respondents aged 18 or above to derive estimates of the proportion and number of adults in the population within each group of interest. Standard errors for weighted data were calculated using the delete-a-group Jackknife method, using replicate weights provided in the HILDA Survey dataset. Details are available elsewhere (Hayes 2008).

Comparison of HILDA data to other gambling statistics

Appendix A (page 57) provides comparisons of the estimates produced from the HILDA data to estimates produced from other national and state/territory sources. There is considerable variation across data sources in respect to estimates of gambling participation and gambling expenditure. The key contributing factor to those differences is the focus on gambling "in a typical month" in HILDA, and so excluding less regular participation and expenditure. There is also considerable variation in rates of gambling problems. This is because the HILDA Survey administered the PGSI to a population representative sample, whereas gambling studies have only administered it to people who gambled in the past year.

2 Gambling participation

Introduction

This chapter presents estimates of the prevalence of Australian adults (aged 18 years or over) who participated in one or more of 10 gambling activities in a typical month of 2015. People were considered to have participated, and to have been regular gamblers, if they spent money on a given activity in a typical month during the year. The report refers almost entirely to these gamblers. Less frequent gambling participation was not asked about in the HILDA survey. Estimates of the amounts spent on the 10 activities are the focus of Chapter 3 (page 19).

The 10 activities include lotteries, instant scratch tickets, electronic gaming machines (EGMs), race betting, sports, keno, casino table games, bingo, private betting and poker.

Also estimated is the number of activities in which people typically participated, and the proportions of participants who engaged in each combination of activities.

Finally, participants in each activity are profiled and compared to the Australian adult population on a wide range of sociodemographic characteristics.

Key findings

- An estimated 39% of Australian adults—6.8 million people—gambled in a typical month of 2015 (i.e., regularly).
- Among these 6.8 million regular gamblers, participation in lotteries was most common (76%), followed by instant scratch tickets (22%) and electronic gaming machines (21%).
- Approximately one third (38%) of gamblers participated in multiple activities.
- Compared to the Australian adult population, regular gambling participants were substantially over-represented among males (i.e., 54% of gamblers were males versus 49% of Australian adults), people aged 50 and older, those who had 10 years or less schooling or a certificate or diploma, people who were retired, who lived alone or with another adult, who lived outside a major city, and those who drew their main source of income from welfare payments.
- There were wide-ranging sociodemographic differences between those who gambled regularly on each activity and the Australian adult population.

Gambling participation

In a typical month of 2015, population weighted HILDA Survey estimates indicate that 39% of Australian adults gambled on one or more of the 10 activities listed in Table 2.1. Among these "regular gamblers", lottery participation was most common (76%). Other commonly reported activities were the regular purchase of instant scratch tickets (22%) and playing of electronic gaming machines (EGMs; 21%). Least likely to be a typical monthly event were casino table gambling, bingo, private betting and poker, with participation rates of 2–3% among those who gambled.

Activity	Estimated number	Australian population	Regular gambling population
	'000	%	%
Lottery	5,186	29.6	76.2
Instant scratch tickets	1,495	8.5	22.0
EGMs	1,418	8.1	20.8
Race betting	975	5.6	14.3
Sports betting	574	3.3	8.4
Keno	549	3.1	8.1
Casino table games	192	1.1	2.8
Bingo	186	1.1	2.7
Private betting	155	0.9	2.3
Poker	132	0.8	1.9
Any gambling	6,809	38.9	100.0

 Table 2.1:
 Estimated number and proportion of Australian adults who gambled in a typical month

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding.

Number of gambling activities

Table 2.2 shows the proportion of adults who participated in one or more of the 10 gambling activities in a typical month.

The survey found that almost one quarter (24%) of Australian adults spent money on a single activity in a typical month, while 15% participated in multiple activities. Among those who gambled, 38% spent money on more than one activity.

Table 2.2: Numbe	r of gambling	activities in	a typical month
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	Australian population	Regular gambling population
Number of activities	%	%
0	61.7	-
1	23.6	61.6
2	9.3	24.2
3	3.7	9.8
4+	1.7	4.4

Notes: Statistics based on weighted data. Percentages may not total 100% due to rounding.

Tables 2.3 and 2.4 (page 12) show the proportion of gamblers who participated in each single activity, the mean number of activities that participants in each activity engaged in, and the proportion who engaged in additional activities. In these tables, the most common activity combinations in a typical month can be seen.

Most lottery participants (59%) gambled solely on that activity in a typical month. Gamblers who participated in any other activity usually participated in one or two additional activities (2.3 to 3.4 on average), and included lottery in the mix. For instance, as shown in Table 2.3, keno participants very rarely spent money on that activity alone (only 10% did). They usually spent money on three activities (2.9 on average). As shown in Table 2.4, the additional activities were most commonly the lotteries, which two thirds of keno players participated in regularly (67%), and EGMs, which half played regularly (48%).

Participants in	This activity only (%)	Mean number of activities
Lottery	59.3	1.63
Instant scratch tickets	19.0	2.32
EGMs	25.4	2.46
Race betting	17.5	2.65
Sports betting	17.4	2.82
Keno	10.2	2.90
Casino table games	20.4	3.05
Bingo	28.0	2.71
Private betting	20.1	3.36
Poker	19.9	3.21
Any gambling	61.6	1.59

 Table 2.3:
 Number of gambling activities among regular gamblers

Notes: Statistics based on weighted data. Percentages may not total 100% due to rounding.

Table 2.4: Gambling activity participation cross-over

				Participa	tion rate in	other acti	vities (%)			
	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting	Keno	Casino table games	Bingo	Private betting	Poker
Lottery	-	20.6	14.6	10.1	5.1	7.1	1.5	1.8	1.5	1.2
Instant scratch tickets	71.5	-	24.7	10.3	6.9	9.6	2.3	3.0	2.1	1.5
EGMs	53.3	26.1	-	20.1	10.8	18.7	5.4	4.8	3.2	3.3
Race betting	53.6	15.8	29.2	-	33.4	15.4	5.8	3.2	5.2	2.9
Sports betting	46.0	17.9	26.6	56.7	-	12.3	7.6	2.3	7.9	5.0
Keno	67.2	26.1	48.2	27.3	12.8	-	3.7	4.6	4.0	4.7
Casino table games	39.6	18.2	39.7	29.7	22.9	10.7	-	9.1	18.6	16.2
Bingo	50.8	24.2	36.7	16.7	7.1	13.6	9.4	-	9.2	2.9
Private betting	51.2	20.7	29.2	32.8	29.1	14.0	23.0	11.0	-	25.4
Poker	47.6	17.4	36.0	21.8	21.8	19.7	23.7	4.1	30.0	-

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding

Sociodemographic characteristics of regular gamblers

Table 2.5 (page 13) shows the socioeconomic and demographic characteristics of regular gamblers in 2015. Their characteristics are compared to the Australian adult population.

Compared to the Australian adult population, a significantly higher proportion of regular gamblers were male. That is, 49% of Australian adults were male whereas 54% of regular gamblers were male. Regular gamblers were further over-represented among people aged 50 and older, those born in Europe, those who had 10 years or less schooling, or had certificate or diploma, people who were retired, who lived alone or with only their partner, who lived outside a major city, and those who drew their main source of income from welfare payments.

Note that the proportions provided in Table 2.5 can be used to estimate the national gambling participation rates for each demographic group, such as the percentage of Australians who were male gamblers. For example, we know that 38.9% of Australians were regular gamblers (Table 2.1, page 11), of whom 54.2% were male (Table 2.5). Therefore, 21% (54.2% of 38.9%) of Australians were male gamblers in 2015.

	Australian adults	Regular gamblers
Subpopulation categories	%	%
Sex		
Male	49.0	54.2↑
Female	51.0	45.8↓
Age group		
18-29	22.5	11.9↓
30-49	34.9	34.0
50-64	24.1	30.4↑
65+	18.6	23.8↑
Indigenous Status		
Non-Indigenous	97.7	97.6
Indigenous	2.3	2.4
Region of birth ^a		
Australia	69.7	71.9↑
Europe	10.8	11.9↑
Asia	10.7	7.3↓
First Language spoken		
English	85.6	90.3↑
Other	14.4	9.7↓
Highest education Level		
Below year 10	8.1	9.2↑
Completed year 10	15.3	19.O†
Completed year 12	15.8	13.0↓
Certificate or diploma	33.1	37.9↑
Bachelors or higher	27.7	20.9↓
Employment		
Employed full-time	43.6	47.4↑
Employed part-time	20.1	16.3↓
Unemployed-looking for work	3.2	2.3↓
Retired	19.7	25.0↑
Full-time student	3.4	1.2↓
Other not employed-not looking for work	9.9	7.9↓
Relationship status		
Married/in a de facto relationship	54.6	59.5↑
Single	45.4	40.5↓
Household composition		
Single adult household	12.3	14.1↑
Couple only household	24.4	28.6↑
Household with children	30.3	25.6↓
Multiple adult household	33.0	31.7

 Table 2.5:
 Sociodemographic characteristics of Australian adults and regular gamblers

	Australian adults	Regular gamblers
Subpopulation categories	%	%
Housing tenure		
Own outright	17.3	18.3
Own with mortgage	52.7	53.3
Rent	27.7	26.0
Remoteness		
Major city	72.5	69.1↓
Inner regional	18.2	20.0↑
Outer regional/remote	9.3	11.O↑
SEIFA quintile ^ь		
Lowest	19.6	19.7
2	18.2	19.6↑
Middle	19.3	19.8
4	20.6	20.0
Highest	22.4	21.0↓
Equivalised disposable household income ^c		
<\$29,500	19.8	19.3
\$29,500-\$41,499	20.4	19.4
\$41,500-\$53,999	19.4	20.2
\$54,000-\$73,499	20.2	20.8
\$73,500+	20.2	20.3
Main source of household income		
Wages/salary/business	73.5	70.3↓
Govt. pension/allowance/benefit	18.2	20.7↑
Superannuation/annuity/investment	8.1	8.7

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only region of origins representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. ↑ and ↓ are used to indicate values significantly above or below the general Australian population at p<.05.

Sociodemographic characteristics of regular gamblers by activity

Table 2.6 (page 16) provides a sociodemographic breakdown of participants in each of the 10 activities. Their characteristics are compared to the Australian adult population.

As shown in the table, there were many significant sociodemographic differences between the activity participants and the Australian population. Given the large number of significant differences, only those which were considered substantial are described below.⁵

Lotteries. Compared to the Australian adult population, a substantially higher proportion of lottery participants were aged 50 and over. That is, while 43% of Australian adults were aged 50 and over, a much larger percentage (58%) of lottery players were aged 50 and over. A substantially higher proportion were also born in Europe, had 10 years or less of schooling or had completed a certificate or diploma, were retired, married/in a de facto relationship, and lived with only their partner.

Instant scratch tickets. A substantially higher proportion of participants were aged 50 and older, had 10 years or less of schooling, were retired, lived alone or with only their partner, and lived outside of a major city.

Electronic gaming machines. EGM players were substantially over-represented among those aged 50 and older, people who identified as Indigenous, who had 10 years or less of schooling or had completed a certificate or

⁵ Differences of around twenty percent or greater between the proportion of Australians and proportion of gambling participants represented by a sociodemographic characteristic were considered substantial.

diploma, were retired, lived alone or with only their partner, lived in an inner regional area, those who had lowest incomes, and those who drew their main source of income from welfare payments.

Race betting. A substantially higher proportion of race bettors were male, aged between 50 and 64, born in Australia, had 10 years of schooling or had completed a certificate or diploma, were employed full-time, lived alone or with only their partner, and lived in an outer regional or remote area. Race bettors were further over-represented among those with the highest incomes.

Sports betting. Relative to the Australian adult population, a substantially higher proportion were male, younger than 50, Indigenous, born in Australia, had 12 years of schooling, were employed full-time, single, had the highest incomes, and drew their main source of income from employment.

Keno. Participants were substantially over-represented among males, people aged 30 and older, those who identified as Indigenous, had 10 years or less of schooling or had completed a certificate or diploma, were retired, lived alone, lived outside a major city, lived in a low socioeconomic area, and those who drew their main source of income from welfare payments.

Casino table games. A substantially higher proportion of participants were male, younger than 30, Indigenous, had 12 years of schooling, were employed full-time, single, lived with multiple adults, lived in a major city, lived in a high socioeconomic area, and drew their main source of income from employment.

Bingo. Compared to the Australian population, a substantially higher proportion of participants were female, aged 65 and over, had 10 years or less of schooling, were retired or not employed and not looking for work, lived alone, lived in the lowest socioeconomic areas, had the lowest incomes, and drew their main source of income from welfare payments.

Private betting. Participants were substantially over-represented among males, people born in Asia, and those who owned their own home with a mortgage.

Poker participants. Relative to the Australian adult population, a substantially higher proportion of poker players were male, did not have a university degree, were employed full-time, lived with multiple adults, and drew their main source of income from employment.

Note that the proportions provided in Table 2.6 can be used to estimate national regular gambling participation rates for each demographic group. For example, we know that 3.3% of Australians were regular sport bettors (Table 2.1, page 11), of whom 88% were male (Table 2.6). Therefore, 2.9% (88% of 3.3%) of Australians were male sports bettors and 0.4% (12% of 3.3%) of Australians were female sports bettors.

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	Australian adults	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting	Keno	Casino table games	Bingo	Private betting	Poker
Subpopulation categories	%	%	%	%	%	%	%	%	%	%	%
Sex											
Male	49.0	52.8†	45.31	54.3†	80.91	88.01	60.2†	76.6†	19.31	62.91	65.81
Female	51.0	47.21	54.7†	45.71	19.1	12.01	39.81	23.4	80.7†	37.1	34.21
Age group											
18-29	22.5	6.21	12.51	16.1	15.51	32.7†	10.01	46.21	8.0#J	22.5	30.2
30-49	34.9	35.8	30.51	25.31	34.9	42.41	39.7	30.8	23.6	44.0	41.2
50-64	24.1	33.4↑	33.2f	29.6†	31.41	18.6	28.1	16.3	29.5	15.0	18.3
65+	18.6	24.61	23.8†	29.01	18.2	6.3	22.1	du	38.91	18.5#	10.3#
Indigenous status											
Non-Indigenous	97.7	98.1	96.9	95.1	96.4	95.41	94.51	95.01	95.0	97.1	95.5
Indigenous	2.3	1.9	3.1	4.9↑	3.6	4.6↑	5.5↑	5.0#f	5.O#	du	du
Region of birth ^a											
Australia	69.7	69.7	72.8	78.1f	80.7†	82.0†	78.8†	68.6	65.2	59.0	63.3
Europe	10.8	13.3f	10.0	12.2	8. 8	1 0.9	11.9	4.0	14.6	8.4#	10.3#
Asia	10.7	8.0	6.31	3.8	3.64	3.1#↓	3.74	13.9	9.3	23.1#↑	14.9
First language spoken											
English	85.6	89.31	91.2f	94.2f	95.01	96.61	95.41	82.4	82.4	77.6	77.4
Other	14.4	10.7	8.8	5.8	5.0#	3.4#	4.6#	17.6#	17.6	22.4#	22.6#
Highest education level											
Below year 10	8.1	9.51	9.4	12.0f	6.2	3.4#	12.5†	du	23.91	12.8#	7.6#
Completed year 10	15.3	19.0f	20.41	21.6†	20.21	14.7	22.1f	14.8	29.31	11.6#	18.7
Completed year 12	15.8	11.14	11.91	16.5	15.8	22.0†	13.4	27.6†	8.3	9.8#	13.3#
Certificate or Diploma	33.1	39.1f	36.6	38.91	40.51	33.3	42.31	34.6	28.7	36.5	45.0
Bachelors or higher	27.7	21.34	21.74	10.11	17.4	26.6	18.6	20.7	du	29.3	15.31

Table 2.6 continued over page

	Australian adults	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting	Keno	Casino table games	Bingo	Private betting	Poker
Subpopulation categories	%	%	%	%	%	%	%	%	%	%	%
Employment											
Employed full-time	43.6	48.7†	43.4	38.91	55.51	70.41	47.7	59.91	24.1	56.7	64.7†
Employed part-time	20.1	15.91	17.7	17.1	15.3	14.1	18.3	20.6	8.4#	16.8#	12.6#
Unemployed-looking for work	3.2	2.01	2.4	4.2	2.8#	2.0#	4.0	3.4#	2.5#	d u	du
Retired	19.7	25.31	25.5†	31.01	19.8	7.34	23.61	du	46.7†	13.3#	6.4#
Full-time student	3.4	0.4	1.6#↓	1.3#↓	du	2.6#	du	4.7#	du	5.0#	du
Other not employed-not looking for work	0 [.] 0	7.64	9.4	7.54	4.5	3.5#↓	6.2	du	17.8†	d L	du
Relationship status											
Married/in a de facto relationship	54.6	64.41	56.7	50.1	54.0	44.5	51.9	16.65	52.3	53.4	44.1
Single	45.4	35.61	43.3	49.91	46.0	55.51	48.1	60.11	47.7	46.6	55.9
Household composition											
Single adult household	12.3	13.4↑	14.5†	14.9f	15.0f	13.4	15.3†	7.64	23.01	13.0	14.5
Couple-only household	24.4	29.91	28.41	30.51	29.5f	24.0	27.0	10.9#	29.4	16.8	12.3
Household with children	30.3	26.31	22.4	16.4	25.1	24.4	20.71	22.3	20.2	31.3	25.4
Multiple adult household	33.0	30.51	34.7	38.3	30.4	38.3	37.0	59.2f	27.4	38.8	47.91
Housing tenure											
Own outright	17.3	19.0f	18.5	19.5	19.0	15.4	16.4	14.2#	12.2	10.7#	9.9#
Own with mortgage	52.7	55.1↑	50.6	49.6	53.5	54.9	52.2	61.7	50.4	68.31	57.0
Rent	27.7	23.5	28.4	28.4	25.6	28.7	27.7	23.8	32.1	19.7	31.1
Remoteness											
Major city	72.5	69.7	651	64.81	66.81	77.1	53.5↓	86.0†	66.2	75.9	79.7
Inner regional	18.2	19.2	21.8†	24.31	19.8	16.8	28.41	7.54	23.6	du	14.8
Outer regional/remote	9.3	11.Of	13.2†	10.9	13.4↑	6.1	18.1f	6.6#	10.2	13.5	5.5#

	Australian adults	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting	Keno	Casino table games	Bingo	Private betting	Poker
Subpopulation categories	%	%	%	%	%	%	%	%	%	%	%
SEIFA quintile ^b											
Lowest	19.6	19.0	21.8	27.6†	22.2	19.6	32.3f	10.3	41.2f	18.0	14.6
2	18.2	19.81	18.3	20.3	19.6	14.8	23.8#↑	24.4	19.9	18.3	19.9
Middle	19.3	20.0	18.5	19.8	14.8	14.71	19.8#	7.64	17.8	14.8	20.4#
4	20.6	19.8	20.2	17.1	23.2	24.8	13.01	25.0	10.21	21.4	22.6
Highest	22.4	21.5	21.2	15.21	20.3	26.2	10.11	32.7	du	27.6	22.6#
Equivalised disposable household income $^{\mathrm{c}}$	usehold incor	mec									
<\$29,500	19.8	18.4	20.0	25.2f	17.5	10.1	21.7	10.3	42.41	17.3	12.8
\$29,500-\$41,499	20.4	19.4	18.9	19.6	17.5	17.5	18.5	14.2	16.0	18.1	21.1
\$41,500-\$53,999	19.4	20.2	22.4	21.8	20.8	17.6	22.5	16.1	15.3	12.4	24.9
\$54,000-\$73,499	20.2	21.0	20.2	19.4	19.2	23.4	21.7	33.8	17.4	25.0	23.5
\$73,500+	20.2	20.1	18.6	14.01	25.01	31.41	15.5	25.6	0.6	27.3	17.7
Main source of household income	income										
Wages/salary/business	73.5	71.34	70.7	61.34	75.6	89.1↑	70.1	93.6f	43.8	83.3f	88.31
Govt. pension/ allowance/ benefit	18.2	19.61	20.71	29.3†	17.2	7.24	22.41	du	50.61	13.8	11.7
Superannuation/annuity/ investment	8.1	8. 8	8.2	9.2	7.3	3.5↓	7.3	du	5.6#	du	du
Notes: Percentages based on weighted data. Percentages may	on weighted	data. Percent		total 100% du	e to rounding	not total 100% due to rounding or non-response. ^a Only region of births representing >10% of the population are	nse. ^a Only red	aion of births r	representing >	>10% of the po	pulation are

Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only region of bursheresenting 210% of the population are presented. ^b Socio-Economic Indexes for Areas 2011.^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented ue to insufficient responses or RSE >50% f and 1 are used to indicate values significantly above or below the general Australian population at p<.05. NOLES.

3 Gambling expenditure

Introduction

This chapter presents HILDA survey-based estimates of typical past-year expenditure by regular gamblers in 2015, derived from self-reported, typical monthly spends. This information is presented in two ways. First, estimates of *national expenditure* by all regular gamblers in Australia are presented, which takes into account the estimated number of people participating in each gambling activity, and their spending on those activities. The national estimates are presented for overall spending on gambling as well as for each activity. These estimates are also presented in terms of what proportion of spending is accounted for by each sociodemographic group. The other perspective shown here is the *average expenditure* among those who report spending on gambling overall, and on particular activities. This analysis also compares average spending across sociodemographic groups.

Mean expenditure estimates for the five most common activities (lotteries, instant scratch tickets, EGMs, race betting, sports betting) are further provided for each sociodemographic group (e.g. average expenditure on sports betting by male participants). Due to sample size limitations, this level of detail could not be accurately estimated for the remaining five activities (keno, casino table games, bingo, private betting, poker).

All estimates of past-year expenditure were calculated by multiplying regular gamblers' self-reported typical monthly spend by 12. The estimates therefore do not represent *total gambling* expenditure for the year, which would include amounts from high and low spend months, and expenditure on activities where participation was less than monthly.⁶

See Appendix A (page 57) for a comparison between the HILDA survey-based estimates of regular gamblers' typical expenditure presented in this chapter, and total gambling expenditure reported by the Australian gambling industry.

Key findings

- Typical monthly expenditure by the 6.8 million regular gamblers amounted to an estimated \$8.6 billion dollars nationally for 2015. Lotteries (42%), EGMs (21%) and race betting (15%) accounted for most of this.
- The majority of national gambling expenditure by regular gamblers was accounted for by participants who were male, aged 30-64, born in Australia, spoke English as a first language, had completed no more than 10 years of schooling, were employed full-time, married/in a de facto relationship, lived in a major city, had a high income, and drew their main source of income from employment.
- Typical past-year expenditure on gambling was an estimated average of \$1,272 per regular participant. In terms of particular activities, poker recorded the highest average spend per participant (\$1,785) and instant scratch tickets the lowest (\$248).
- Gamblers generally spent around half of their overall gambling outlay on a single product. Lotteries (79%) and keno (32%) were exceptions, accounting for substantially more and less of their respective participants' overall outlays.
- Mean expenditure was significantly higher than average among gamblers who were male, had completed schooling no further than year 10, were employed full-time, single, and lived with multiple adults. It was lower among gamblers who had a university degree, and lived in a house with children.
- Mean expenditure was otherwise similar between gamblers with different sociodemographic characteristics, including those with low and high incomes and those whose main source of income was either a wage or welfare payment.

⁶ As noted in Section 1, to reduce the impact of outliers (extreme high and low values) on estimates of gambling expenditure, estimates were Winsorised whereby values were capped at the top and bottom 1%.

National gambling expenditure

Table 3.1 shows HILDA survey-based estimates of national past-year gambling expenditure by regular participants on each activity.

Typical monthly gambling expenditure by the 6.8 million regular gamblers amounted to approximately \$8.6 billion dollars over 2015. Lotteries (42%), EGMs (21%) and race betting (15%) together accounted for around three quarters of this amount. Seven activities accounted for the remaining quarter.

	National expenditure	Proportion of national expenditure
Activity	\$M	%
Lottery	3,577	41.6
Instant scratch tickets	368	4.3
EGMs	1,820	21.1
Race betting	1,265	14.7
Sports betting	579	6.7
Keno	226	2.6
Casino table games	256	3.0
Bingo	156	1.8
Private betting	134	1.6
Poker	228	2.7
	8,609	100.0

 Table 3.1:
 National past-year expenditure by regular activity participants

Notes: Values are based on weighted data and capped expenditure. Percentages may not total 100% due to rounding. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure. See Appendix A (page 57) for a comparison between these survey-based estimates and actual 'known' expenditure reported by industry

National gambling expenditure by sociodemographic characteristics

Table 3.2 (page 21) shows HILDA survey-based estimates of national gambling expenditure, by regular gamblers, for each sociodemographic group.

The sociodemographic groups responsible for the highest proportion of gambling expenditure were males, those aged 50-64, those born in Australia, those who spoke English as a first language, who had a certificate or diploma, were employed full-time, were married/in a de facto relationship, lived in a multiple adult household with no children, owned their home with a mortgage, lived in a major city, those who had higher incomes, and drew their main source of income from employment.

	Total spend	Proportion of total
Subpopulation categories	\$M	%
Overall		
All gamblers	8,609	100.0
Sex		
Male	5,509	64.0
Female	3,100	36.0
Age group		
18-29	1,079	12.5
30-49	2,648	30.8
50-64	2,837	33.0
65+	2,046	23.8
Indigenous status		
Non-Indigenous	8,366	97.2
Indigenous	243	2.8
Region of birth ^a		
Australia	6,145	71.4
Europe	1,000	11.6
Asia	605	7.0
First language spoken		
English	7,467	86.7
Other	923	10.7
Highest education Level		
Below year 10	769	8.9
Completed year 10	1,813	21.1
Completed year 12	1,172	13.6
Certificate or diploma	3,512	40.9
Bachelors or higher	1,328	15.5
Employment		
Employed full-time	4,351	50.5
Employed part-time	1,226	14.2
Unemployed-looking for work	243	2.8
Retired	2,060	23.9
Full-time student	np	-
Not employed-not looking for work	629	7.3
Relationship status		
Married/in a de facto relationship	4,818	56.0
Single	3,791	44.0
Household composition		
Single adult household	1,311	15.2
Couple only household	2,471	28.7
Household with children	1,741	20.2
Multiple adult household	3,087	35.9

Table 3.2: National past-year expenditure by sociodemographic characteristics

Table 3.2 continued over page

	Total spend	Proportion of total
Subpopulation categories	\$M	%
Housing tenure		
Own outright	1,610	18.7
Own with mortgage	4,613	53.6
Rent	2,172	25.2
Remoteness		
Major city	6,054	70.3
Inner regional	1,618	18.8
Outer regional/remote	937	10.9
SEIFA quintile ^ь		
Lowest	1,863	21.6
2	1,759	20.4
Middle	1,573	18.3
4	1,655	19.2
Highest	1,761	20.5
Equivalised disposable household incor	ne ^c	
<\$29,500	1,579	18.3
\$29,500-\$41,499	1,500	17.4
\$41,500-\$53,999	1,770	20.6
\$54,000-\$73,499	1,881	21.8
\$73,500+	1,879	21.8
Main source of household income		
Wages/salary/business	6,103	70.9
Govt. pension/allowance/benefit	1,782	20.7
Superannuation/annuity/investment	708	8.2

Notes: Values are based on weighted data and capped expenditure. Percentages may not total 100% due to rounding or non-response. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household.

National gambling expenditure on each activity by sociodemographic characteristics

Table 3.3 (page 22) shows past-year expenditure on the five most common activities by regular gamblers in each sociodemographic group.

The sociodemographic groups that spent the most on each of the five activities were the same as those for overall expenditure, with a few exceptions:

- Females spent more than males on instant scratch tickets.
- People in lower income groups spent more on instant scratch tickets and EGMs than those with higher incomes.
- Those aged 18-29 spent more on sports betting compared to other age groups.
- Single people spent more on EGMs and sports betting than those who were married/in a de facto relationship.

			Instants	oratel						
	Lotte	ery	Instant s ticke		EGI	Чs	Race b	etting	Sports b	etting
Subpopulation categories	\$M	%	\$M	%	\$M	%	\$M	%	\$M	%
Overall										
All activity participants	3,577	100.0	368	100.0	1,820	100.0	1,265	100.0	579	100.0
Sex										
Male	2,132	59.6	176	47.8	1,009	55.4	1,129	89.2	512	88.4
Female	1,445	40.4	192	52.2	812	44.6	137	10.8	67#	11.6
Age group										
18-29	125	3.5	37	10.1	216	11.9	191	15.1	229	39.6
30-49	1,138	31.8	107	29.1	467	25.7	393	31.1	223	38.5
50-64	1,322	37.0	131	35.6	606	33.3	457	36.1	82	14.2
65+	992	27.7	92	25.0	531	29.2	225	17.8	np	-
Indigenous status										
Non-Indigenous	3,515	98.3	354	96.2	1,756	96.5	1,232	97.4	556	96.0
Indigenous	62	1.7	13#	3.5	64	3.5	34#	2.7	23#	4.0
Region of birth ^a										
Australia	2,491	69.6	267	72.6	1,299	71.4	1,025	81.0	432	74.6
Europe	483	13.5	31	8.4	253	13.9	128#	10.1	30#	5.2
Asia	248	6.9	29#	7.9	133	7.3	23#	1.8	np	-
First language spo	oken									
English	3,125	87.4	317	86.1	1,609	88.4	1,199	94.8	520	89.8
Other	356	10.0	40#	10.9	175#	9.6	58#	4.6	np	-
Highest education										
Below year 10	315	8.8	42	11.6	234	12.9	52	4.2	np	-
Completed year 10	737	20.6	77	21.0	441	24.2	247	19.6	99	17.2
Completed year 12	406	11.4	31	8.6	260	14.3	201	16.0	107	18.5
Certificate or Diploma	1,498	42.0	152	41.5	685	37.6	544	43.1	214	36.9
Bachelors or higher	614	17.2	63	17.3	200	11.O	216	17.1	120	20.8
Employment										
Employed full-time	1,760	49.2	162	44.1	766	42.1	762	60.2	360	62.1
Employed part-time	533	14.9	49	13.4	252	13.8	145	11.5	91#	15.8
Unemployed- looking for work	53	1.5	7	2.0	79#	4.3	np	-	np	-
Retired	975	27.3	100	27.2	537	29.5	229	18.1	np	-
Full-time student	np	-	np	-	8#	0.4	np	-	np	-
Not employed- not looking for work	245	6.9	39	10.6	177	9.7	np	-	10#	1.7

Table 3.3: National past-year expenditure on each activity by sociodemographic characteristics

	Lotte	ery	Instant s ticke		EGN	1s	Race be	etting	Sports b	etting
Subpopulation categories	\$M	%	\$M	%	\$M	%	\$M	%	\$M	%
Relationship statu	s									
Married/in a de facto relationship	2,300	64.3	217	59.0	871	47.9	655	51.8	236	40.8
Single	1,278	35.7	151	41.0	950	52.2	610	48.2	343	59.2
Household compo	sition									
Single adult household	513	14.3	46	12.5	342	18.8	219	17.3	60	10.4
Couple only household	1,149	32.1	110	29.9	525	28.8	381	30.1	147	25.4
Household with children	776	21.7	81	22.0	290	15.9	240	19.0	104	18.0
Multiple adult household	1,139	31.8	130	35.4	664	36.5	426	33.6	268	46.3
Housing tenure										
Own outright	732	20.5	61	16.6	333	18.3	263	20.8	136	23.5
Own with mortgage	1,973	55.2	188	51.1	934	51.3	645	51.0	274	47.3
Rent	765	21.4	112	30.4	525	28.8	308	24.3	160#	27.6
Remoteness										
Major city	2,445	68.4	236	64.1	1,286	70.7	867	68.5	480	82.9
Inner regional	726	20.3	78	21.2	364	20.0	230	18.2	62	10.7
Outer regional/ remote	406	11.4	53	14.4	170	9.3	169	13.4	37#	6.4
SEIFA quintile ^b										
Lowest	712	19.9	92	25.0	482	26.5	265	20.9	67	11.6
2	775	21.7	71	19.3	359	19.7	276	21.8	73#	12.6
Middle	677	18.9	66	17.9	360	19.8	161	12.7	84#	14.5
4	731	20.4	75	20.4	294	16.2	260	20.6	156	26.9
Highest	682	19.1	64	17.4	326	17.9	304	24.0	199	34.4
Equivalised dispos	able house	hold inco	omec							
<\$29,500	674	18.8	70	19.0	424	23.3	181	14.3	57#	9.8
\$29,500-\$41,499	644	18.0	76	20.7	296	16.3	239	18.9	109#	18.8
\$41,500-\$53,999	679	19.0	101	27.4	440	24.2	205	16.2	85#	14.7
\$54,000- \$73,499	758	21.2	63	17.1	403	22.1	268	21.2	152	26.3
\$73,500+	823	23.0	57	15.5	257	14.1	373	29.5	176	30.4
Main source of hou	usehold inc	ome								
Wages/salary/ business	2,527	70.6	253	68.8	1,115	61.3	914	72.3	488	84.3
Govt. pension/ allowance/ benefit	744	20.8	89	24.2	539	29.6	212	16.8	np	-
Superannuation/ annuity/ investment	297	8.3	24	6.5	160	8.8	139	11.O	np	-

Notes: Values are based on weighted data and capped expenditure. Percentages may not add to 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure.

Mean gambling expenditure

Table 3.4 presents mean expenditure on each activity by regular gamblers in 2015. The estimated amount activity participants spent across all regular gambling activities is included in the second column. The third column shows the mean proportion of their total typical gambling expenditure that the activity in question constituted. The annual dollar values reflect mean typical monthly expenditure multiplied by twelve.

The mean typical expenditure per gambler was \$1,272 for 2015. Poker saw the highest mean spend per participant, followed by casino table games, race betting, EGMs and sports betting, all of which exceeded \$1000.

Lottery participants spent most of their average gambling outlay for the year on this single activity (79%; a mean lottery spend of \$695 would equate to a total gambling outlay of \$878), whereas keno participants spent only one third of their gambling money on this activity. All other activities attracted somewhere around half of respective participants' average gambling outlay for the year, with private betting being the lowest of these (43%) and EGMs the highest (60%).

	Mean spend on activity	95% CI	Estimated average total gambling expenditure	Proportion of total gambling spend accounted for by activity
Activity	\$	\$	\$	%
Lottery	695	658-733	878	79.2
Instant scratch tickets	248	215-281	622	39.9
EGMs	1,292	1,150-1,433	2,146	60.2
Race betting	1,308	1,140-1,477	2,502	52.3
Sports betting	1,032	767-1,296	2,305	44.8
Keno	425	354-497	1,310	32.4
Casino table games	1,369	962-1,776	2,566	53.4
Bingo	863	676-1,050	1,568	55.1
Private betting	898	633-1,163	2,080	43.2
Poker #	1,758	505-3,065	3,674	47.9
All gamblers	1,272	1,183–1,361	-	100.0

Table 3.4: Mean past-year expenditure by regular activity participants

Notes: Values are based on weighted data and capped expenditure. Percentages may not total 100% due to rounding. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure. # RSE between 30% and 50%

Mean gambling expenditure by sociodemographic characteristics

Table 3.5 (page 26) shows mean past-year gambling expenditure by participants in each sociodemographic group.

For the most part, mean gambling expenditure did not differ significantly across sociodemographic groups. Similar amounts were spent by people of different age, Indigenous status, country of birth, language spoken at home, housing tenure, remoteness, area economic advantage, income and source of income.

Gambling expenditure was significantly higher than average among male gamblers, those who had completed schooling no further than year 10, were employed full-time, single and lived with multiple adults.

Expenditure was lower than average among females, those aged 30-49, those who had a university degree, and lived in a household with children.

Table 3.5: Mean past-year expenditure by sociodemographic characteristics

Subpopulation categories\$OverallAll gamblers1,2721,183-1,361SexMale1,49911,374-1,625Female10031922-1,083Age group1118-291,341963-1,72030-491,14811,009-1,28650-641,3811,204-1,55765+1,2781,144-1,412Indigenous status1,2671,178-1,355Indigenous1,2671,178-1,355Indigenous1,2621,182-1,342Suborp Alianta1,2621,182-1,342Europe1,242982-1,503Australia1,2621,182-1,342Europe1,243765-1,671English1,2451,176-1,314Other1,440845-2,035Europe1,2451,176-1,314Other1,440845-2,035Europe1,2451,176-1,314Other1,440845-2,035Europe1,2451,176-1,314Other1,2451,176-1,314Other1,440845-2,035Europe1,2501,030-1,696Completed year 101,4171,257-1,577Completed part 101,4171,257-1,577Europe1,3369,881-685Completed part 21,3369,881-685Completed part 101,4171,257-1,578Europe 101,4171,257-1,578Europe 111,3571,221-1,486Europe 121,358		Mean spend	95% CI
All gamblers1,2721,183-1,361SexMale1,499†1,374-1,625Female1003↓922-1,083Age group1118-291,341963-1,72030-491,148↓1,009-1,28650-641,3811,204-1,55765+1,2781,144-1,412Indigenous status1,2671,178-1,355Indigenous status1,496934-2,057Region of birth>1,2621,182-1,342Australia1,2621,182-1,342Europe1,242982-1,503Asia1,218765-1,671English1,2451,176-1,514Other1,440845-2,035Highest education Level1Eelow year 101,2501,030-1,469Completed year 101,2511,030-1,459Gompleted year 101,3671,205-1,529Bachelor or higher942791-1,033Employed full-time1,353†1,221-1,486Employed part-time1,171966-1,268Unemployed-looking for work1,588883-2,292Retired1,20730-2,385Not employed-not looking for work1,190824-1,556Full-time student1,20730-2,385Not employed-not looking for work1,190824-1,550Full-time student1,20730-2,385Not employed-not looking for work1,19511,087-1,302	Subpopulation categories	\$	\$
Sex Male 1,499† 1,374-1,625 Female 10031 922-1,083 Age group 1 18-29 1,341 963-1,720 30-49 1,1481 1,009-1,286 50-64 1,381 1,204-1,557 65+ 1,278 1,144-1,412 Indigenous status 1,496 934-2,057 Non-Indigenous 1,267 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth* 1 242 982-1,503 Asia 1,218 765-1,671 Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1176 1,361 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 1,257 1,577 Completed year 10 1,417 1,257-1,577 Completed year 10 1,4171 1,257-1,577 200 1,493 988-1,685 200 1,203 1,250 </th <th>Overall</th> <th></th> <th></th>	Overall		
Male 1,499† 1,374-1,625 Female 10031 922-1,083 Age group 1 1 18-29 1,341 963-1,720 30-49 1,1481 1,009-1,286 50-64 1,381 1,244-1,557 65+ 1,278 1,144-1,412 Indigenous status 1,267 1,178-1,355 Indigenous of birth ^a 1,496 934-2,057 Region of birth ^a 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1 245 Europe 1,242 982-1,534 Other 1,440 845-2,035 Highest education Level 1 245 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 257 Ecompleted year 10 1,4171 1,257-1,577 Completed ayear 10 1,4171 1,257-1,529 <td< td=""><td>All gamblers</td><td>1,272</td><td>1,183-1,361</td></td<>	All gamblers	1,272	1,183-1,361
Female 10031 992-1,083 Age group 1 18-29 1,341 963-1,720 30-49 1,1481 1,009-1,286 50-64 1,381 1,204-1,557 65+ 1,278 1,144-1,412 Indigenous status 1 1 Non-Indigenous 1,267 1,178-1,355 Indigenous status 1,496 934-2,057 Region of birth ^a 1 242 982-1,503 Australia 1,262 1,182-1,342 1 Europe 1,242 982-1,603 4 Asia 1,218 765-1,671 1 First language spoken 1 245 1,176-1,314 Other 1,440 845-2,035 1 Highest education Level 1 245 1,030-1,469 Completed year 10 1,4171 1,257-1,577 1 Completed year 10 1,4171 1,257-1,577 1 Gentificate or diploma 1,367 1,205-1,529 1	Sex		
Age group 18–29 1,341 963–1,720 30–49 1,1481 1.009–1,286 50–64 1,381 1,204-1,557 65+ 1,278 1,144-1,412 Indigenous status 1 1 Non-Indigenous 1,267 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth ^a 1 2 Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1 2 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 2 Below year 10 1,245 1,176-1,314 Other 1,440 845-2,035 Gompleted year 10 1,4171 1,257-1,577 Completed year 10 1,4171 1,257-1,577 Completed year 10 1,4171 1,257-1,577 Completed year 12 1,336	Male	1,499↑	1,374-1,625
18-29 1,341 963-1,720 30-49 1,1481 1,009-1,286 50-64 1,381 1,204-1,557 65+ 1,278 1,144-1,412 Indigenous status 1,496 934-2,057 Region of birth ³ 1,262 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth ³ 1 2 Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1 2 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 2 Below year 10 1,245 1,176-1,314 Other 1,440 845-2,035 Gompleted year 10 1,4171 1,257-1,577 Completed year 10 1,4171 1,257-1,577 Completed year 10 1,4171 1,257-1,577 Eduitophioma 1,367 1,205-1,529	Female	1003↓	922-1,083
30-49 1,148,1 1,009-1,286 50-64 1,381 1,204-1,557 65+ 1,278 1,144-1,412 Indigenous status 1,267 1,178-1,355 Indigenous 1,267 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth ^a 1,262 1,182-1,342 Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1 1 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 1030-1,469 Completed year 10 1,4171 1,257-1,577 Completed ar 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 9421 791-1,093 Employment 1117 966-1,268 Unemployed full-time 1,3531 1,221-1,486 Employed part-time 1,363 883-2,292 Retired 1,207 <t< td=""><td>Age group</td><td></td><td></td></t<>	Age group		
50-64 1,381 1,204-1,557 65+ 1,278 1,144-1,412 Indigenous status 1 1 Non-Indigenous 1,267 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth* 1 2 Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1 2 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 2 Below year 10 1,250 1,030-1,469 Completed year 10 1,4171 1,257-1,577 Completed year 10 1,4171 1,257-1,577 Completed are 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 9421 791-1,093 Employed full-time 1,3531 1,221-1,486 Employed part-time 1,178	18-29	1,341	963-1,720
65+ 1,278 1,144-1,412 Indigenous status 1,267 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth* 1,262 1,182-1,342 Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1 1 Europe 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 1 Below year 10 1,250 1,030-1,469 Completed year 10 1,417 1,257-1,577 Completed year 10 1,417 1,257-1,577 Completed year 10 1,417 1,207-1,529 Bachelor or higher 9424 791-1,093 Employed full-time 1,367 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for	30-49	1,148↓	1,009-1,286
Indigenous status Infigenous Non-Indigenous 1,267 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth ^a Infigenous 1,496 934-2,057 Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken International status 100 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level International status 1,250 1,030-1,469 1,030-1,469 Completed year 10 1,417 1,257-1,577 Completed year 10 1,417 1,257-1,577 Completed year 10 1,417 1,205-1,529 Bachelor or higher 9421 791-1,093 Employed fulletime 1,353 1,221-1,486 1,205 1,529 Employed part-time 1,117 966-1,268 1,099-1,345 1,099-1,345 Unemployed-looking for work 1,588 883-2,292 1,099-1,345 Full-time student 1,207 30-2,385	50-64	1,381	1,204-1,557
Non-Indigenous 1,267 1,178-1,355 Indigenous 1,496 934-2,057 Region of birth ^a Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level Below year 10 1,250 1,030-1,469 Completed year 10 1,4171 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 9421 791-1,093 Employed full-time 1,3531 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,227 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not lo	65+	1,278	1,144-1,412
Indigenous 1,496 934-2,057 Region of birth ^a V Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken V V English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level V Below year 10 1,250 1,030-1,469 Completed year 10 1,4171 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 9421 791-1,093 Employment 1,177 966-1,268 Employed full-time 1,3531 1,221-1,486 Employed part-time 1,179 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190<	Indigenous status		
Region of birth ^a Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level Below year 10 1,250 1,030-1,469 Completed year 10 1,4171 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 9421 791-1,093 Employment Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,1087-1,302	Non-Indigenous	1,267	1,178–1,355
Australia 1,262 1,182-1,342 Europe 1,242 982-1,503 Asia 1,218 765-1,671 First language spoken 1 245 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 1 Below year 10 1,250 1,030-1,469 Completed year 10 1,417† 1,257-1,577 Completed aer 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,1087-1,302 1,087-1,302	Indigenous	1,496	934-2,057
Europe 1.242 982-1,503 Asia 1.218 765-1,671 First language spoken 1 245 1,176-1,314 Other 1,245 1,176-1,314 0 Other 1,440 845-2,035 1 Highest education Level 1 1 1 Below year 10 1,250 1,030-1,469 1 Completed year 10 1,4171 1,257-1,577 1 Completed or 12 1,336 988-1,685 1 Certificate or diploma 1,367 1,205-1,529 1 Bachelor or higher 9424 791-1,093 1 Employed full-time 1,3531 1,221-1,486 1 Employed part-time 1,117 966-1,268 1 Unemployed-looking for work 1,588 883-2,292 1 Retired 1,227 30-2,385 1 1 Full-time student 1,207 30-2,385 1 1 Not employed-not looking for work 1,190 824-1,556	Region of birth ^a		
Asia 1,218 765-1,671 First language spoken 1 English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 1 Below year 10 1,250 1,030-1,469 Completed year 10 1,417 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 9421 791-1,093 Employment 1 1,257 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,227 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,1951 1,087-1,302	Australia	1,262	1,182-1,342
First language spoken English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 1 Below year 10 1,250 1,030-1,469 Completed year 10 1,417 † 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 9421 791-1,093 Employment 1 1,257 Employed full-time 1,353 † 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,207 30-2,385 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,1951 1,087-1,302	Europe	1,242	982-1,503
English 1,245 1,176-1,314 Other 1,440 845-2,035 Highest education Level 1 1 Below year 10 1,250 1,030-1,469 Completed year 10 1,417↑ 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employment 1 1,257 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,227 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Asia	1,218	765-1,671
Other 1,440 845-2,035 Highest education Level 1 1 Below year 10 1,250 1,030-1,469 Completed year 10 1,4171 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employment 1 1 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,227 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	First language spoken		
Highest education Level Below year 10 1,250 1,030-1,469 Completed year 10 1,417↑ 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employment 1 1 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	English	1,245	1,176-1,314
Below year 10 1,250 1,030-1,469 Completed year 10 1,417↑ 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employment 1,353↑ 1,221-1,486 Employed full-time 1,353↑ 1,221-1,486 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Other	1,440	845-2,035
Completed year 10 1,417↑ 1,257-1,577 Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employment 1,353↑ 1,221-1,486 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Highest education Level		
Completed ear 12 1,336 988-1,685 Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employment 1,353↑ 1,221-1,486 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Below year 10	1,250	1,030-1,469
Certificate or diploma 1,367 1,205-1,529 Bachelor or higher 942↓ 791-1,093 Employment 1,353↑ 1,221-1,486 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Completed year 10	1,417↑	1,257-1,577
Bachelor or higher 942↓ 791-1,093 Employment 1 2 Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Completed ear 12	1,336	988-1,685
Employment Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Certificate or diploma	1,367	1,205-1,529
Employed full-time 1,353↑ 1,221-1,486 Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Bachelor or higher	942↓	791-1,093
Employed part-time 1,117 966-1,268 Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Employment		
Unemployed-looking for work 1,588 883-2,292 Retired 1,222 1,099-1,345 Full-time student 1,207 30-2,385 Not employed-not looking for work 1,190 824-1,556 Relationship status 1,195↓ 1,087-1,302	Employed full-time	1,353↑	1,221-1,486
Retired1,2221,099-1,345Full-time student1,20730-2,385Not employed-not looking for work1,190824-1,556Relationship statusMarried/in a de facto relationship1,195↓1,087-1,302	Employed part-time	1,117	966-1,268
Full-time student1,20730-2,385Not employed-not looking for work1,190824-1,556Relationship status1,19511,087-1,302	Unemployed-looking for work	1,588	883-2,292
Not employed-not looking for work1,190824-1,556Relationship status1,195↓1,087-1,302	Retired	1,222	1,099-1,345
Relationship statusMarried/in a de facto relationship1,195↓1,087-1,302	Full-time student	1,207	30-2,385
Married/in a de facto relationship 1,195↓ 1,087-1,302	Not employed-not looking for work	1,190	824-1,556
	Relationship status		
Single 1,387↑ 1,248-1,525	Married/in a de facto relationship	1,195↓	1,087-1,302
	Single	1,387↑	1,248-1,525

	Mean spend	95% CI
Subpopulation categories	\$	\$
Household composition		
Single adult household	1,372	1,199-1,545
Couple only household	1,278	1,140-1,417
Household with children	1,002↓	860-1,143
Multiple adult household	1,442↑	1,239-1,645
Housing Tenure		
Own outright	1,298	1,116-1,480
Own with mortgage	1,282	1,181-1,382
Rent	1,237	1,079-1,394
Remoteness		
Major city	1,294	1,167-1,421
Inner regional	1,202	1,094-1,311
Outer regional/remote	1,262	1,067-1,457
SEIFA quintile ^b		
Lowest	1,400	1,221-1,580
2	1,327	1,163-1,491
Middle	1,178	989-1,366
4	1,224	1,087-1,361
Highest	1,236	1,029-1,443
Equivalised disposable household income		
<\$29,500	1,218	1,073-1,363
\$29,500-\$41,499	1,142	998-1,287
\$41,500-\$53,999	1,293	1,107-1,480
\$54,000-\$73,499	1,331	1,150-1,512
\$73,500+	1,366	1,179–1,553
Main source of household income		
Main source of household income Wages/salary/business	1,280	1,176-1,385
	1,280 1,280	1,176-1,385 1,124-1,437

Notes: Values based on weighted data and capped expenditure. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. ↑ and ↓ are used to indicate values significantly above or below overall mean spend at p<.05. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure.

Mean activity-level gambling expenditure by sociodemographic characteristics

Table 3.6 (page 28) shows mean expenditure on the five most common activities by participant sociodemographic characteristics for 2015. Within each activity, mean expenditure by sociodemographic characteristic was compared to the overall activity mean expenditure. Participant sample sizes were too small to provide this level of detail reliably for the five remaining activities (keno, casino table games, bingo, private betting, poker).

Lottery expenditure was significantly *higher* than the mean spend of \$695 among people who were male, aged 50 and over, and lived with their partner.

The mean spending on instant scratch ticket expenditure varied little across sociodemographic groups, with a yearly mean spend of \$248 overall.

Electronic gaming machine expenditure was significantly *higher* than the mean spend of \$1,292 among people who lived alone, and lived in a major city.

Race betting expenditure was significantly *higher* than the mean spend of \$1,308 among people who were male. The yearly average for males on this activity (\$1,442) was around double that for females (\$741).

Among sports betting participants (with a mean spend of \$1,032), differences by sociodemographic characteristics were largely not statistically significant, although there was some variation apparent for the socio-economic status of the region, and household income.

Overall, variation in spending was much greater across activities than across sociodemographic characteristics.

Table 3.6: Mean past-year expenditure on each activity, by sociodemographic characteristics

	5,	5	0		
	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting
Subpopulation categories	\$	\$	\$	\$	\$
Overall					
All activity participants	695	248	1,292	1,308	1,032
Sex					
Male	782↑	261	1,311	1,442↑	1,034
Female	598↓	237	1,268	741↓	1,017#
Age group					
18-29	395↓	199	951↓	1,263	1,238
30-49	615↓	235	1,306	1,159	932
50-64	767↑	267	1,452	1,505	804
65+	790↑	263	1,305	1,293	np
Indigenous status					
Non-Indigenous	696	247	1,311	1,321	1,041
Indigenous	634	286	926	969	850
Region of birth ^a					
Australia	695	246	1,179↓	1,310	940
Europe	709	209	1,459	1,553	859
Asia	599	318	2,577	662#↓	np
First language spoken					
English	693	238	1,235	1,327	986
Other	661	319	2,169#	1,252#	np
Highest education level					
Below year 10	653	306	1,432	905	np
Completed year 10	756	254	1,442	1,261	1,185
Completed year 12	713	179↓	1,118	1,313	874
Certificate or diploma	744	280	1,245	1,391	1,150
Bachelors or higher	560↓	199	1,282	1,292	808
Employment					
Employed full-time	699	252	1,396	1,411	904
Employed part-time	655	188↓	1,042	972	1,135

Table 3.6 continued over page

	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting
Subpopulation categories	\$	\$	\$	\$	\$
Unemployed-looking for work	518↓	203	1,352	1,285	np
Retired	750	267	1,240	1,222	np
Full-time student	362	399#	439#↓	np	np
Not employed-not looking for work	636	279	1,664	1,414#	547#↓
Relationship status					
Married/in a de facto relationship	693	258	1,234	1,248	939
Single	700	235	1,349	1,379	1,108
Household composition					
Single adult household	743	215	1,645↑	1,516	795
Couple only household	749↑	261	1,223	1,328	1,088
Household with children	571↓	245	1,250	988L	762
Multiple adult household	728	253	1,228	1,451	1,253
Housing Tenure					
Own outright	752	223	1,226	1,437	1,562
Own with mortgage	697	251	1,333	1,253	889
Rent	632	264	1,322	1,247	1,005
Remoteness					
Major city	681	245	1,410↑	1,337	1,103
Inner regional	735	241	1,063↓	1,220	681
Outer regional/remote	714	274	1,102	1,293	1,059#
SEIFA quintile ^ь					
Lowest	731	284	1,242	1,246	641↓
2	761	260	1,252	1,456	867#
Middle	662	242	1,295	1,116	1,034#
4	716	248	1,212	1,149	1,107
Highest	615↓	205	1,522	1,559	1,326
Equivalised disposable household income ^c					
<\$29,500	716	237	1,199	1,085	1,057#
\$29,500-\$41,499	641	269	1,073	1,405	1,119
\$41,500-\$53,999	654	306	1,440	1,015	839#
\$54,000-\$73,499	701	212↓	1,463	1,439	1,146
\$73,500+	761	207	1,294	1,538	1,001
Main source of household income					
Wages/salary/business	688	241	1,288	1,246	970
Govt. pension/allowance/benefit	744	288	1,318	1,305	np
Superannuation/annuity/investment	653	202	1,225	1,963	2,407#

Notes: Values based on weighted data and capped expenditure. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. ↑ and ↓ are used to indicate values significantly above or below overall mean spend at p<.05. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure.

4 Gambling problems and participation

Introduction

This chapter presents statistics on gambling participation and sociodemographic characteristics for regular gamblers whose gambling behaviour caused or put them at risk of problems in 2015, as assessed by the Problem Gambling Severity Index (PGSI; Ferris & Wynne, 2001). These people are referred to in this report as having experienced gambling-related problems.

Statistics include population-representative estimates of the proportion and number of Australians and regular gamblers who belonged to four PGSI risk groups: non-problem gamblers, low-risk gamblers, moderate-risk gamblers, and problem gamblers. **Non-problem gamblers** did not engage in problematic gambling behaviour or experience adverse consequences in 2015. **Low-risk and moderate-risk gamblers** were those who reported low or moderate level problematic behaviour and/or consequences. They are considered as being at low to moderate risk of becoming problem gamblers. **Problem gamblers** were those who reported severe problematic behaviour and/or consequences.

Further included are activity participation rates for each risk group and a comparison of sociodemographic characteristics between non-problem gamblers and risk group members.

Key findings

Participation:

- 7.9% or 1.39 million Australian adults were estimated to have experienced one or more gambling-related problems in 2015 (PGSI scores of 1+). This included 1.1% or 193,000 who could be classified as "problem gamblers" (PGSI scores of 8+)—those with the most severe problems and most at risk of further problems.
- 80% of those who had experienced gambling-related problems in the past year had gambled in a typical month of 2015.
- Adults in higher risk groups participated in a higher number of activities.
- 32-46% of participants in each activity except lotteries and instant scratch tickets had experienced gambling-related problems.
- Problem gamblers appeared to comprise particularly high proportions of private betting (12%), casino table game (15%), and poker (22%) participants.

Sociodemographic characteristics:

- Across the various activities, gamblers who experienced problems were relatively similar to each other in terms of their characteristics. Those who did not experience problems, viewed by activity, had more distinct profiles.
- Compared to non-problem gamblers, those who experienced problems were significantly over-represented among people who were male, aged 18–29, Indigenous, unemployed or not employed (excluding retirees and full-time students), single, renting, people who lived in a low socioeconomic area, had a low income, and drew their main source of income from welfare payments. They were under-represented among those who owned their own home, retirees, and university graduates.

Prevalence of gambling problems

Table 4.1 shows the number and prevalence of non-problem gamblers, low risk, moderate risk, and problem gamblers, (1) among the Australian adult population, and (2) among adults who gambled in a typical month of 2015 (i.e., regularly).

It is estimated that around 1.39 million (7.9%) Australian adults experienced one or more gambling-related problems in 2015 (PGSI scores of 1+). This included 193,000 (1.1%) who could be classified as problem gamblers (PGSI scores of 8+)—the most severe category.

These numbers include Australians who may not have actually gambled in 2015 but nevertheless experienced problems in 2015 due to their gambling behaviour in years prior. For example, problem gambling in 2013 may have caused financial problems that stretched into 2015.

Around 80% of those who reported problems in 2015 had gambled in a typical month of that year. Specifically, 1.13 million (17%) regular gamblers experienced problems including 139,000 (2.1%) problem gamblers.

Table 4.1: Prevalence of risk group members among Australian adults and regular gamblers

	Au	Australian adult population ^a				Regular gambler population				
Activity	Estimated number '000	95% CI '000	%	95% CI	Estimated number '000	95% CI '000	%	95% CI		
Non-gambler &/ or non-problem gambler	16,082 ^b	15,924-16,239	92.1	91.3-92.8	5,655	5,448-5,863	83.3	81.6-84.8		
Low risk gambler	731	643-818	4.2	3.7-4.7	593	517-670	8.7	7.7-9.9		
Moderate risk gambler	462	393-531	2.6	2.3-3.1	402	344-461	5.9	5.2-6.8		
Problem gambler	193	150-237	1.1	0.88-1.4	139	102-176	2.1	1.6-2.7		
Any risk	1,386	1,251-1,522	7.9	7.2-8.7	1,136	1,017-1,254	16.7	15.2-18.4		
Moderate risk/ problem gambler	656	569-742	3.7	3.3-4.3	542	470-614	8.0	7.0-9.1		

Notes: Values are based on weighted data. Percentages may not total 100% due to rounding. ^a Includes those surveyed in HILDA who did not gamble in a typical month but nevertheless reported experiencing PGSI gambling problems in the past year. They may have been infrequent gamblers, or their problems may have been caused by gambling activity in previous years. ^b Includes both non-gamblers and infrequent gamblers who reported no problems.

Number of activities by risk group

Table 4.2 (page 32) shows the proportion of gamblers in each risk group who participated in one or more of the 10 gambling activities during a typical month.

The majority of non-problem gamblers regularly participated in only one activity (68%) whereas the majority of those who experienced problems regularly participated in multiple activities. Those in higher risk groups were likely to have participated in a higher number of activities.

Number of regular activities	Regular gambling population	Non-problem gamblers	Low risk gamblers	Moderate risk gamblers	Problem gamblers
	%	%	%	%	%
1	61.6	67.5	38.1	25.1	26.0
2	24.2	22.9	35.3	27.1	22.9
3	9.8	7.3	17.1	26.2	29.8
4+	4.4	2.3	9.5	21.6	21.3

 Table 4.2:
 Proportion of regular gamblers in each risk group that participated in one or more activities

Notes: Values based on weighted data. Percentages may not total 100% due to rounding.

Number and proportion of activity participants by risk group

Table 4.3 shows the number of Australian adults who gambled on each activity in a typical month by risk group membership.

Note that because around two fifths (38%) of gamblers spent money on multiple activities in a typical month, they are represented within their risk group for *each* of the activities they participated in. It is therefore not possible on the basis of these figures alone to ascribe the problems reported by an individual to any one particular activity.

 Table 4.3:
 Estimated number of regular activity participants belonging to each risk group

	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting	Keno	Casino table games	Bingo	Private betting	Poker
	'000 '	'000'	'000'	'000 '	'000 '	'000	'000 '	'000 '	'000'	'000 '
Non-problem gambler	4,489	1,217	829	572	340	369	106	127	84	70
Low risk gambler	368	118	259	190	99	69	28	36	25#	9#
Moderate risk gambler	246	120	244	164	98	88	29	15#	22#	23
Problem gambler	69	33	85	50	36	21	28#	7#	18#	28#
Total	5,172	1,487	1,418	975	574	548	192	185	148	130
Any risk	683	271	589	403	234	178	86	58	64	60
Moderate risk / problem gambler	315	152	330	214	134	109	58	22	39	51

Notes: Values are based on weighted data. # RSE between 30% and 50%.

Lotteries had vastly larger numbers of non-problem gamblers (4.48 million) than any other activity. However, lotteries (683,000) along with EGMs (589,000) also had the greatest numbers of participants from all three risk groups, including the largest numbers of problem gamblers. A large number of regular race betting participants experienced problems as well (403,000).

Bingo, poker, casino table games, and private betting attracted the least numbers of regular gamblers with problems, with less than 100,000 participating in each.

Table 4.4 (page 33) shows that the prevalence of past-year gambling problems was lowest among people who participated in lotteries (13%) and instant scratch tickets (18%). Rates were much higher across all other products, with problems experienced by 32% of bingo participants up to 46% of poker participants. Problem gamblers comprised particularly high proportions of private betting (12%), casino table game (15%), and poker (22%) participants.

	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting	Keno	Casino table games	Bingo	Private betting	Poker
	%	%	%	%	%	%	%	%	%	%
Non-problem gambler	86.8	81.8	58.5	58.6	59.3	67.4	55.3	68.6	56.6	53.7
Low risk gambler	7.1	7.9	18.2	19.4	17.3	12.7	14.7	19.6	16.7#	6.9#
Moderate risk gambler	4.8	8.0	17.2	16.8	17.1	16.1	15.3	7.9#	14.5#	17.7
Problem gambler	1.3	2.2	6.0	5.1	6.3	3.8	14.7#	3.9#	12.1#	21.7#
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Any risk	13.2	18.2	41.5	41.4	40.7	32.6	44.7	31.5	43.4	46.3
Moderate risk / Problem gambler	6.1	10.3	23.3	21.9	23.4	19.9	30.0	11.9	26.7	39.4

Table 4.4: Proportion of activity participants belonging to each risk group

Notes: Values are based on weighted data. Percentage may not add to 100% due to rounding. # RSE between 30% and 50%

Together, the data from Tables 4.3 and 4.4 provide unique and important perspectives on each activity. For instance, lotteries attracted the largest number of people with gambling-related problems, and yet, those with gambling-related problems constituted only a small proportion of those who participated in lotteries, due to its overwhelming popularity. Likewise, poker, casino table games, and private betting attracted a much lower number of people with problems compared to all other activities, and yet, those with gambling-related problems constituted a much higher proportion of all those who participated in these particular activities. In fact, poker attracted the least number of regular gamblers, but the highest proportion of those with problems.

Risk group activity participation rates

Table 4.5 shows the proportion of risk group members who participated in each activity in a typical month. This is a transposition of the results presented in Table 4.4 which showed the proportions of activity participants who belonged to each risk group.

The majority of gamblers within all risk groups regularly participated in lotteries. It was most popular among non-problem gamblers with 79% participating. Those without problems were fairly unlikely to participate in any other form of gambling other than scratch tickets (22%).

For every other activity, rates of participation were higher among gamblers who experienced problems. Participation rates were especially high for EGMs (44% of low risk gamblers up to 61% of moderate risk and problem gamblers) and race betting (32% of low risk gamblers, 41% of moderate risk and 36% of problem gamblers), attracting a third or more of all risk group members. Sports betting was relatively popular as well, attracting a quarter of all moderate risk (24%) and problem gamblers (26%).

Casino table games, poker and private betting attracted very low proportions of gamblers within all but the problem gambler group (i.e., 13% of problem gamblers participated in private betting, 20% in casino table games and poker).

	Lottery	Instant scratch tickets	EGMs	Race betting	Sports betting	Keno	Casino table games	Bingo	Private betting	Poker
	%	%	%	%	%	%	%	%	%	%
Non-problem gambler	79.4	21.5	14.7	10.1	6.0	6.5	1.9	2.3	1.5	1.2
Low risk gambler	62.0	19.9	43.6	31.9	16.7	11.7	4.8	6.1	4.2	1.5
Moderate risk gambler	61.0	29.7	60.7	40.7	24.4	22.0	7.3	3.7	5.3	5.7
Problem gambler	49.5	23.7	61.4	35.9	25.9	14.9	20.2	5.3	12.9	20.2
All gamblers	76.5	22.2	21.1	14.5	8.6	8.3	2.9	2.8	2.3	2.0

 Table 4.5:
 Proportion of risk group members who regularly participated in each activity

Notes: Values based on weighted data. Percentages may not total 100% due to rounding. Values may not add to totals due to missing PGSI values for some participants.

Sociodemographic characteristics of risk groups

Table 4.6 shows the socioeconomic and demographic characteristics of each risk group, initially setting aside information about the types of gambling activities. Non-problem gamblers were compared to those with problems to identify characteristics that distinguished between them.

The overall pattern was one where a significantly higher proportion of those with gambling problems were male, aged 18–29, Indigenous, were unemployed or not employed (excluding retirees and fulltime students), single, lived in a house they rented, lived in a low socioeconomic area, had a low income, and drew their main source of income from a welfare payment, compared to those without problems.

A significantly *lower* proportion of gamblers with problems lived with children, or only their partner, owned their home with a mortgage, had a university degree, and were retired.

Table 4.6: S	Sociodemographic	characteristics of	regular gamblers	belonging to each risk group
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		Gambling risk group				
	Australian Adults	Non-problem	Low risk	Moderate risk	Problem gamblers	
Subpopulation categories	%	%	%	%	%	
Sex						
Male	49.0	51.5	62.9↑	69.2↑	64.9	
Female	51.0	48.0	37.1↓	30.8↓	35.1	
Age group						
18-29	22.5	10.9	16.4↑	13.7	27.4↑	
30-49	34.9	34.1	33.2	35.6	32.4	
50-64	24.1	30.4	29.2	30.8	29.1	
65+	18.6	24.6	21.2	19.9	11.1#↓	
Indigenous status						
Non-Indigenous	97.7	98.1	97.3	93.9↓	89.0↓	
Indigenous	2.3	1.9	2.7#	6.1↑	11.O [#] ↑	
Region of birth ^a						
Australia	69.7	71.6	73.5	72.3	73.7	
Europe	10.8	12.3	11.4	9.4	6.4#	
Asia	10.7	7.2	8.7#	5.3	15.6#	
First language spoken						
English	85.6	90.7	87.0	92.0	80.6	
Other	14.4	9.3	13.0	8.0	19.4	
Highest education Level						
Below year 10	8.1	8.8	9.1	11.6	8.7	
Completed year 10	15.3	18.9	18.0	19.2	29.3	
Completed year 12	15.8	12.7	15.4	13.2	14.1	
Certificate or Diploma	33.1	37.6	39.6	44.3	29.9	
Bachelors or higher	27.7	22.0	18.0	11.6↓	18.0	
Employment						
Employed full-time	43.6	47.6	45.3	53.3	37.2	
Employed part-time	20.1	16.5	16.4	12.3	17.6#	
Unemployed-looking for work	3.2	1.8	3.0	5.O#	11.5#↑	
Retired	19.7	25.7	22.6	22.1	8.5#↓	
Full-time student	3.4	0.9	3.4#	np	np	
Other not employed-not looking for work	9.9	7.6	9.3	6.2	20.0↑	

Table 4.6 continued over page

			Gamblin	g risk group	
	Australian Adults	Non-problem	Low risk	Moderate risk	Problem gamblers
Subpopulation categories	%	%	%	%	%
Relationship status					
Married/in a de facto relationship	54.6	62.1	48.4↓	50.0↓	30.1↓
Single	45.4	37.9	51.6↑	50.0↑	69.9↑
Household composition					
Single adult household	12.3	13.6	15.3	17.6	19.7#
Couple only household	24.4	29.2	27.0	26.7	18.5↓
Household with children	30.3	25.7	26.2	25.6	18.1↓
Multiple adult household	33.0	31.5	31.5	30.1	43.7
Housing tenure					
Own outright	17.3	19.0	16.2	14.7	11.8#
Own with mortgage	52.7	54.5	45.8↓	51.5	39.1↓
Rent	27.7	24.3	34.8↑	30.9	45.8#↑
Remoteness					
Major city	72.5	68.8	69.9	71.8	77.0
Inner regional	18.2	19.8	21.9	18.0	17.2
Outer regional/remote	9.3	11.4	8.2	10.2	5.8#↓
SEIFA quintile ^ь					
Lowest	19.6	18.3	25.4↑	28.7↑	20.5
2	18.2	19.8	17.3	22.2	13.3↓
Middle	19.3	20.0	20.3	15.3	20.5
4	20.6	20.7	17	17.4	13.6
Highest	22.4	21.2	20.1	16.5	32.1
Equivalised disposable household inco	ome ^c				
<\$29,500	19.8	18.2	25.0↑	23.9↑	20.2
\$29,500-\$41,499	20.4	19.0	23.0	18.2	23.6
\$41,500-\$53,999	19.4	20.4	18.1	21.5	19.4
\$54,000-\$73,499	20.2	21.2	16.1↓	21.4	23.5
\$73,500+	20.2	21.2	17.8	15↓	13.3
Main source of household income					
Wages/salary/business	73.5	70.8	66.4	71.6	67.8
Govt. pension/allowance/benefit	18.2	19.7	26.5↑	23.6	21.2
Superannuation/annuity/investment	8.1	9.1	7.0	4.3↓	11.O#

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. ↑ and ↓ are used to indicate values significantly above or below non-problem gamblers at p<.05.

Sociodemographic characteristics of risk groups by activity

This subsection provides a brief sociodemographic comparison of non-problem gamblers and those with problems among those who participated in lotteries, instant scratch tickets, EGMs, race betting or sports betting. Detailed tables are presented for each of these activities. Cell sample sizes were not large enough to examine the remaining activities at this level of detail.

These tables are largely provided for reference, and so only limited analysis is presented below, highlighting some key observations:

Lotteries: Compared to non-problem lottery participants, a higher proportion of participants who experienced problems were male, had a certificate or diploma-level qualification, were not employed, single, lived in a home they rented, lived in a low socioeconomic area, and had a low income (Table 4.7).

Instant scratch tickets: A higher proportion of participants who experienced problems were male, aged 18–29, were employed full-time, and lived in a home they rented, compared to non-problem participants (Table 4.8, page 38).

Electronic gaming machines: A higher proportion of problem participants were male, aged 30–49, single, lived alone or in a family with children, lived in a home they rented, and drew their main source of income from a welfare payment, compared to non-problem participants (Table 4.9, page 40).

Race betting: A higher proportion of participants with problems were male, single, and lived in a home they rented, compared to non-problem participants (Table 4.10, page 42).

Sports betting: A higher proportion of participants who experienced problems were male, aged 18–29, single, and lived in a home they rented, compared to non-problem participants (Table 4.11, page 44).



		Gambling risk group					
	Australian adults	Non-problem	Low risk	Moderate risk	Problem		
Subpopulation categories	%	%	%	%	%		
Sex							
Male	49.0	51.5	57.0	69.1↑	66.0		
Female	51.0	48.5	43.0	30.9↓	34.0		
Age group							
18-29	22.5	6.0	7.6	4.8	17.3#		
30-49	34.9	36.3	31.4	36.0	33.2		
50-64	24.1	32.7	38.1	36.6	40.5		
65+	18.6	25.0	22.9	22.6	9.0#		
Indigenous status							
Non-Indigenous	97.7	98.4	98.0	96.8	82.0		
Indigenous	2.3	1.6	2.0#	3.2#	18.0#		
Region of birth ^a							
Australia	69.7	69.6	69.9	67.6	74.9		
Europe	10.8	13.3	13.9	13.1	12.9		
Asia	10.7	8.1	9.7#	5.5#	np		
First language spoken							
English	85.6	89.6	85.0	89.7	85.8		
Other	14.4	10.4	15.0	10.3	14.2		
Highest education level							
Below year 10	8.1	9.2	9.7	11.2	9.4#		
Completed year 10	15.3	18.8	20.3	18.4	30.9		
Completed year 12	15.8	10.8	11.3	14.1	17.9#		
Certificate or diploma	33.1	38.7	41.8	47.6↑	29.5		
Bachelors or higher	27.7	22.5	16.9	8.8↓	12.3#		
Employment							
Employed full-time	43.6	48.6	48.9	55.3	44.4		
Employed part-time	20.1	16.2	15.6	11.4	7.5#↓		

			Gamblin	g risk group	
	Australian adults	Non-problem	Low risk	Moderate risk	Problem
Subpopulation categories	%	%	%	%	%
Unemployed-looking for work	3.2	1.7	2.5	np	np
Retired	19.7	25.8	22.9	23.9	8.4↓
Full-time student	3.4	0.4 [#]	np	np	np
Other not employed-not looking for work	9.9	7.4	9.7	5.3#	21.9↑
Relationship status					
Married/in a de facto relationship	54.6	66.1	54.2↓	57.0	35.9↓
Single	45.4	33.9	45.8↑	43.0	64.1↑
Household composition					
Single adult household	12.3	13.0	13.7	17.0	22.6
Couple only household	24.4	30.0	30.3	29.8	21.7#
Household with children	30.3	26.7	23.9	22.7	17.3#
Multiple adult household	33.0	30.3	32.1	30.5	38.4
Housing tenure					
Own outright	17.3	19.7	16.3	14.4	np
Own with mortgage	52.7	55.7	49.4	56.5	34.9↓
Rent	27.7	22.4	31.2↑	25.3	54.9↑
Remoteness					
Major city	72.5	69.8	69.7	71.5	72.0
Inner regional	18.2	19.0	21.4	17.0	21.1#
Outer regional/remote	9.3	11.2	8.9	11.5	np
SEIFA quintile ^b					
Lowest	19.6	17.4	26.4↑	31.3↑	29.1
2	18.2	19.9	17.8	24.0	14.2#
Middle	19.3	20.2	21.9	12.7↓	17.O#
4	20.6	20.6	14.9↓	14.5	15.4#
Highest	22.4	21.9	19.0	17.5	24.3
Equivalised disposable household ir	icome ^c				
<\$29,500	19.8	17.3	24.5	24.4	31.1
\$29,500-\$41,499	20.4	19.5	19.9	18.7	15.7
\$41,500-\$53,999	19.4	20.2	22.2	20.1	15.O#
\$54,000-\$73,499	20.2	21.2	17.5	21.7	19.8#
\$73,500+	20.2	21.8	16.0↓	15.1	18.4#
Main source of household income					
Wages/salary/business	73.5	71.9	66.2	71.7	63.2
Govt. pension/allowance/benefit	18.2	18.7	25.3	24.4	22.8
Superannuation/annuity/ investment	8.1	9.1	8.2	3.9#↓	14.O [#]

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. ↑ and ↓ are used to indicate values significantly above or below non-problem gamblers at p<.05.

			Gambling	g risk group	
	Australian adults	Non-problem	Low risk	Moderate risk	Problem
Subpopulation categories	%	%	%	%	%
Sex					
Male	49.0	43.4	41.8	68.7↑	55.6
Female	51.0	56.6	58.2	31.3↓	44.4#
Age group					
18-29	22.5	11.1	15.9	16.0	42.2#↑
30-49	34.9	29.9	28.8	39.7	30.O#
50-64	24.1	32.9	36.5	30.3	27.8#
65+	18.6	26.0	18.8	14.O [#] ↓	np
Indigenous status					
Non-Indigenous	97.7	97.2	98.0	96.2	80.6#
Indigenous	2.3	2.8	2.0	np	np
Region of birth ^a					
Australia	69.7	72.7	69.5	75.3	74.1
Europe	10.8	10.4	10.5#	9.3#	np
Asia	10.7	6.0	9.2#	np	np
First language spoken					
English	85.6	91.9	81.5	96.1	78.8
Other	14.4	8.1	18.5#	3.9	21.2
Highest education level					
Below year 10	8.1	9.3	7.4#	9.6#	np
Completed year 10	15.3	19.3	26.0	19.8	39.9#
Completed year 12	15.8	11.3	18.3	16.4	np
Certificate or diploma	33.1	36.8	32.4	43.5	25.9#
Bachelors or higher	27.7	23.2	15.9	10.7#↓	29.0#
Employment					
Employed full-time	43.6	42.8	36.9	61.8↑	33.1#
Employed part-time	20.1	18.4	18.5	10.2↓	np
Unemployed-looking for work	3.2	1.5	3.7#	np	np
Retired	19.7	27.3	21.6	16.6↓	np
Full-time student	3.4	1.0	np	np	np
Other not employed-not looking for work	9.9	9.0	16.9	4.3#↓	16.1#
Relationship status					
Married/in a de facto relationship	54.6	58.3	48.7	53.1	32.3#
Single	45.4	41.7	51.3	46.9	67.7

Table 4.8: Instant scratch ticket participants: sociodemographic characteristics of risk groups

		Gambling risk group				
	Australian adults	Non-problem	Low risk	Moderate risk	Problem	
Subpopulation categories	%	%	%	%	%	
Household composition						
Single adult household	12.3	14.7	12.0	17.6	np	
Couple only household	24.4	29.0	27.3	25.3	np	
Household with children	30.3	21.6	26.8	22.2	23.7#	
Multiple adult household	33.0	34.7	33.9	34.8	37.8#	
Housing Tenure						
Own outright	17.3	19.0	23.0	15.1#	np	
Own with mortgage	52.7	51.5	36.9↓	55.2	44.2	
Rent	27.7	27.0	38.1	27.4	55.8↑	
Remoteness						
Major city	72.5	64.9	65.7	67.5	69.6	
Inner regional	18.2	21.8	24.0	15.5#	np	
Outer regional/remote	9.3	13.3	np	17.O [#]	np	
SEIFA quintile ^ь						
Lowest	19.6	19.8	32.9	26.2	29.6#	
2	18.2	18.4	18.1	21.1	np	
Middle	19.3	19.4	16.1#	13.2#	17.8#	
4	20.6	20.9	15.4	21.1	np	
Highest	22.4	21.6	17.5	18.4	34.1#	
Equivalised disposable household i	ncome ^c					
<\$29,500	19.8	19.2	23.3	20.5	34.3#	
\$29,500-\$41,499	20.4	19.3	20.0#	13.2	np	
\$41,500-\$53,999	19.4	22.6	25.6	21.6#	np	
\$54,000-\$73,499	20.2	19.6	17.1#	24.6	24.9#	
\$73,500+	20.2	19.2	14.O#	20.1#	np	
Main source of household income						
Wages/salary/business	73.5	70.0	68.0	80.0	72.0	
Govt. pension/allowance/benefit	18.2	20.7	27.7	15.1	np	
Superannuation/annuity/ investment	8.1	9.0	4.3#↓	3.2#↓	np	

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. ↑ and ↓ are used to indicate values significantly above or below non-problem gamblers at p<.05.

		Gambling risk group			
	Australian adults	Non-problem	Low risk	Moderate risk	Problem
Subpopulation categories	%	%	%	%	%
Sex					
Male	49.0	50.8	57.0	61.5↑	59.6
Female	51.0	49.2	43.0	38.5↓	40.4
Age group					
18-29	22.5	15.8	15.2	15.4	22.6#
30-49	34.9	23.1	21.1	33.5↑	36.2
50-64	24.1	30.0	30.2	27.6	30.4
65+	18.6	31.1	33.5	23.5	10.8#↓
Indigenous status					
Non-Indigenous	97.7	96.6	96.5	91.4	87.4
Indigenous	2.3	3.4	3.5#	8.6#	12.6#
Region of birth ^a					
Australia	69.7	80.0	75.7	73.6	79.2
Europe	10.8	12.4	14.1	10.7	9.2
Asia	10.7	2.2#	6.2#↑	5.9#	np
First language spoken					
English	85.6	96.3	89.3↓	93.4	90.6
Other	14.4	3.7#	10.7↑	6.6#	9.4#
Highest education level					
Below year 10	8.1	12.0	14.6	9.3	11.1#
Completed year 10	15.3	22.3	17.1	21.0	30.0
Completed year 12	15.8	16.9	17.7	14.0	17.1#
Certificate or diploma	33.1	37.6	40.3	44.6	31.5
Bachelors or higher	27.7	11.2	10.4	11.1	10.4#
Employment					
Employed full-time	43.6	38.4	32.6	49.9↑	30.7
Employed part-time	20.1	17.1	19.4	12.6	23.5#
Unemployed-looking for work	3.2	2.7	3.8#	6.2#	13.6#
Retired	19.7	33.3	35.8	24.0↓	13.9#↓
Full-time student	3.4	1.O#	np	np	np
Other not employed-not looking for work	9.9	7.4	5.9	5.7#	18.4
Relationship status					
Married/in a de facto relationship	54.6	54.1	51.6	44.5	22.7↓
Single	45.4	45.9	48.4	55.5	77.3↑

Table 4.9: Electronic gaming machine participants: sociodemographic characteristics of risk groups

		Gambling risk group				
	Australian adults	Non-problem	Low risk	Moderate risk	Problem	
Subpopulation categories	%	%	%	%	%	
Household composition						
Single adult household	12.3	12.0	15.8	20.1↑	24.7↑	
Couple only household	24.4	32.3	32.9	27.8	12.6↓	
Household with children	30.3	12.9	19.7	23.1↑	20.4	
Multiple adult household	33.0	42.8	31.5↓	29.0↓	42.3	
Housing tenure						
Own outright	17.3	20.0	21.4	16.4	17.4#	
Own with mortgage	52.7	53.6	46.3	46.8	29.2↓	
Rent	27.7	23.8	30.5	34.3↑	50.3↑	
Remoteness						
Major city	72.5	63.4	65.1	66.6	72.1	
Inner regional	18.2	24.2	26.7	23.6	19.6	
Outer regional/remote	9.3	12.3	8.1	9.8	np	
SEIFA quintile ^ь						
Lowest	19.6	27.1	29.0	30.0	22.3#	
2	18.2	20.3	18.4	22.7	19.4	
Middle	19.3	20.0	20.4	17.3	23.4	
4	20.6	17.6	17.6	15.5	14.8#	
Highest	22.4	15.1	14.5	14.6	20.1#	
Equivalised disposable household i	ncomec					
<\$29,500	19.8	23.2	29.0	27.7	26.3	
\$29,500-\$41,499	20.4	18.3	23.5	19.1	21.1	
\$41,500-\$53,999	19.4	22.9	20.5	20.3	18.9#	
\$54,000-\$73,499	20.2	19.8	15.3	20.8	24.4	
\$73,500+	20.2	15.8	11.7	12.1	9.4#	
Main source of household income						
Wages/salary/business	73.5	63.2	52.1↓	65.6	58.1	
Govt. pension/allowance/benefit	18.2	26.5	38.7↑	28.5	29.8	
Superannuation/annuity/ investment	8.1	10.2	9.2	5.1#↓	np	

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. ↑ and ↓ are used to indicate values significantly above or below non-problem gamblers at p<.05.

Sox Male 49.0 74.0 90.01 91.91 89.41 Female 51.0 26.0 10.01 81*1 np Age group 11 22.5 13.4 21.0 13.9 24.0* 30-49 32.4 33.9 4.1.0 33.7 55.5 55.4 28.0 26.0 39.0 50-54 24.1 33.4 28.0 26.0 39.0 50-54 18.6 20.8 71.1 15.1 np Indigenous Status 2.3 2.2* 2.8* 6.7* 12.5* Region of birth* 74.0 7.0 84.7 12.5* 12.5* Region of sint# 10.7 np np np np Asia 10.7 np np np np Asia 10.7 np 1.0 np 1.0 np Asia 10.7 np np 1.0 1.0 1.0 1.0 1.0 <				Gambling I	Risk Group	
Sx Male 49.0 74.0 90.01 91.91 89.41 Female 51.0 26.0 10.01 81*1 np Age group 1 13.9 24.0* 33.7 50.64 33.9 44.9 33.7 50-64 24.1 33.4 28.0 26.0 39.6 65+ 18.6 20.8 17.1 15.1 np Indigenous Status 2.3 2.2* 2.8* 6.7* 12.5* Region of birth* 10.8 7.8 10.7 9.6* np Asia 10.7 np np np np Figlish 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2* np 4.4* np Highest education level 15.3 23.4 13.91 14.01 26.8* Completed year 10 15.3 23.4 13.91 14.01 26.8* Completed year 10 15.3				Low risk		Problem
Male49.074.090.0191.9189.41Female51.026.010.018.1*1npAse group22.513.421.013.924.0*30-4934.932.433.944.933.750-6424.133.428.026.039.653.*18.620.817.115.1npIndigenous StatusNon-Indigenous97.797.897.293.387.5Region of birth*Australia69.782.377.477.984.7Rigion of birth*Europe10.87.810.79.6*npAsia10.7npnpnpnpRigion of birth*Europe10.87.810.79.6*93.2Other10.87.810.79.6*93.2Colspan="3">Asia10.7npnpnpElosyean 1085.696.889.495.693.2Completed year 108.14.78.9*8.4*npCompleted year 1015.323.413.9114.0126.8*Completed year 1015.323.413.9114.0126.8*Completed year 1015.324.413.016.9npCompleted year 1015.324.45	Subpopulation categories	%	%	%	%	%
Female 51.0 26.0 10.0.1 8.1°.1 np Age group 18-29 22.5 13.4 21.0 13.9 24.0° 30-49 32.4 33.9 44.9 33.7 50-64 24.1 33.4 28.0 26.0 39.6 65+ 18.6 20.8 17.1 15.1 np Indigenous Status 97.7 97.8 97.2 93.3 87.5 Non-Indigenous Status 2.3 2.2° 2.8° 6.7″ 12.5° Region of birth* 2.3 2.2° 2.8° 6.7″ 12.5° Asia 10.7 np np np np Asia 10.7 np np np np Fist language spoken 2.5 13.4 3.2° 14.0 26.8° Cher n 16.4 3.2° 14.9 14.0 26.8° Completed year 10 15.3 25.4 13.91 14.01 26.8°	Sex					
Age group18-2922.513.421.013.924.0°30-4934.932.433.944.933.750-6424.133.428.026.039.665 +18.620.817.115.1npIndigenous StatusVolspan="4">Volspan="4">Volspan="4">Volspan="4">Volspan="4"33.428.026.039.6Indigenous StatusVolspan="4">Volspan="4">Volspan="4">Volspan="4">Volspan="4">Volspan="4">Volspan="4">Volspan="4">Volspan="4"37.47.984.7Region of birth*Volspan="4">Volspan="4"69.782.37.7.47.984.7Region of birth*Volspan="4">Volspan="4"7.47.984.7Region of birth*Volspan="4">Volspan="4"7.47.984.7Region of birth*Volspan="4">Volspan="4"7.47.984.7Region of birth*Volspan="4">Volspan="4"7.47.984.7Region of birth*Volspan="4">Indication of birth*Volspan="4">Particities Colspan="4">Volspan="4"7.6Rist Anguage spokenVolspan="4"7.6Sist Colspan="4"7.6Sist Colspan="4"7.6Volspan="4"7.6Volspan="4"7.6Vo	Male	49.0	74.0	90.0↑	91.9↑	89.4↑
B-2922513.421013.924.0°30-4934.932.433.944.933.750-6424.133.428.026.039.665+18.620.817.115.1npIndigenous StatusNon-Indigenous97.797.897.293.387.5Indigenous StatusRegion of birth*Australia69.782.377.477.984.7Australia69.782.377.477.984.7Aisa10.87810.79.6°npAisa10.87810.79.6°93.2Other colspan="4">Other colspan="	Female	51.0	26.0	10.0↓	8.1#↓	np
30-4934.932.433.944.933.750-6424133.428.026.039.665+18.620.817115.1npIndigenous StatusNon-Indigenous97.797.897.293.387.5Region of birth*Australia69.782.377.477.984.7Europe10.87.810.79.6"npAsia10.7npnpnpnpFist language spokenEurope14.43.2"np4.4"npHighest ducation levelBelow year 108.14.78.9"8.4"npComplete year 1015.323.413.9.114.0.126.8"Complete year 1015.323.413.9.114.0.126.8"Complete year 1015.323.413.9.114.0.126.8"Complete dyear 1015.324.456.049.430.9Bachelors or higher33.140.236.049.430.9Bachelors or higher33.140.236.049.430.9Bachelors or higher33.140.236.049.430.9Bachelors or higher33.140.236.049.430.9Bachelors or higher36.936.9<	Age group					
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65+ 18.6 20.8 17.1 15.1 np Indigenous Status 97.7 97.8 97.2 93.3 87.5 Indigenous 2.3 2.2" 2.8" 6.7" 12.5" Region of birth* 2.3 2.2" 2.8" 6.7" 12.5" Australia 69.7 82.3 77.4 77.9 84.7 Europe 10.8 7.8 10.7 9.6" np Asia 10.7 np np np np Asia 10.7 np np 4.4" np English 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2" np 4.4" np Elgish 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2" np 4.4" np Elgish 85.6 96.8 89.4 96.6 93.2 Other ot ope to poton 15.3 23.4 13.91 14.01 26.8" Completed year 10 <	30-49	34.9	32.4	33.9	44.9	33.7
Indigenous Status Non-Indigenous 97.7 97.8 97.2 93.3 87.5 Indigenous 2.3 2.2" 2.8" 6.7" 12.5" Region of birth* 97.7 97.8 87.7 77.9 84.7 Australia 69.7 82.3 77.4 77.9 84.7 Europe 10.8 7.8 10.7 9.6" np Asia 10.7 np np np np First language spoken 14.4 3.2" np 4.4" np Plotest education level 14.4 3.2" np 4.4" np Completed year 10 15.3 23.4 13.91 14.01 26.8" Completed year 12 15.8 14.8 19.3 16.9 np Cartificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7"	50-64	24.1	33.4	28.0	26.0	39.6
Non-Indigenous 977 978 972 933 875 Indigenous 2.3 2.2" 2.8" 6.7" 12.5" Region of bitth* 69.7 82.3 77.4 77.9 84.7 Australia 69.7 82.3 77.4 77.9 84.7 Europe 10.8 7.8 10.7 9.6" np Asia 10.7 9.6" 10.8 7.8 10.7 9.6" np Asia 10.8 7.8 10.7 9.6" np 4.3 10.7 9.6" 10.8 10.8 10.7 9.6" 9.5 93.2 Other 14.4 3.2" np 4.4" np 10.8 14.4 13.91 14.01 26.8" Completed year 10 15.3 23.4 13.91 14.01 26.8" Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4	65+	18.6	20.8	17.1	15.1	np
Andigenous 2.3 2.2" 2.8" 6.7" 12.5" Region of bith* 2 2.8" 6.7" 12.5" Australia 69.7 82.3 77.4 77.9 84.7 Europe 10.8 7.8 10.7 9.6" np Asia 10.7 9.6" np ds.7 Sia 0.7.8 10.7 9.6" np Asia 10.7 9.6" np Asia 0.7 9.6" np Einst language spoken 50.6 96.8 89.4 95.6 93.2 Cher 14.4 3.2" np 4.4" np Iblow gear 10 8.1 4.7 8.9" 8.4" np Completed year 10 15.3 23.4 13.91 14.01 26.8" Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 14.4 36.9 14.4	Indigenous Status					
Region of birth* Australia 69.7 82.3 77.4 77.9 84.7 Europe 10.8 7.8 10.7 9.6# np Asia 10.7 np np np np First language spoken 10.7 np 4.4* np English 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2* np 4.4* np Highest education level 11.4 3.2* np 4.4* np Completed year 10 15.3 23.4 13.91 14.01 26.8* Completed year 12 15.8 14.8 19.3 16.9 np Cartificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7* Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed port-time 32	Non-Indigenous	97.7	97.8	97.2	93.3	87.5
Australia 69.7 82.3 77.4 77.9 84.7 Europe 10.8 7.8 10.7 9.6" np Asia 10.7 np np np np First language spoken 55.6 96.8 89.4 95.6 93.2 Other 14.4 3.2" np 4.4" np Highest education level 81.1 4.7 8.9" 8.4" np Completed year 10 8.1 4.7 8.9" 8.4" np Completed year 12 15.8 14.8 19.3 16.9 np Cartificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7" Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8" Unemployed-looking for work 3.2 2.3" np	Indigenous	2.3	2.2#	2.8#	6.7#	12.5#
Europe 10.8 7.8 10.7 9.6* np Asia 10.7 np np np np First language spoken 10.7 np np np np English 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2* np 4.4* np Bighest education level 14.4 3.2* np 4.4* np Completed year 10 8.1 4.7 8.9* 8.4* np Completed year 12 15.8 14.8 19.3 16.9 np Cartificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7* Employeed full-time 43.6 54.4 54.4 60.3 56.9 Employeed rothigher 20.1 15.6 18.6 18.2 np Imployeed rothing for work 3.2 2.3* np 6.2* <td>Region of birth^a</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Region of birth ^a					
Asia 10.7 np np np np First language spoken 10.7 np np np English 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2* np 4.4* np Highest education level 14.4 3.2* np 4.4* np Below year 10 8.1 4.7 8.9* 8.4* np Completed year 10 15.3 23.4 13.91 14.01 26.8* Completed year 10 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7* Employeed full-time 43.6 54.4 54.4 60.3 56.9 Employeed part-time 20.1 15.6 18.6 12.8 8.8* Unemployeed-looking for work 3.2 2.3* np 6.2*	Australia	69.7	82.3	77.4	77.9	84.7
First language spoken English 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2# np 4.4# np Highest education level 14.4 3.2# np 4.4# np Below year 10 8.1 4.7 8.9# 8.4# np Completed year 10 15.3 23.4 13.9↓ 14.0↓ 26.8# Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7# Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Full-time student <td>Europe</td> <td>10.8</td> <td>7.8</td> <td>10.7</td> <td>9.6#</td> <td>np</td>	Europe	10.8	7.8	10.7	9.6#	np
English 85.6 96.8 89.4 95.6 93.2 Other 14.4 3.2" np 4.4" np Highest education level 14.4 3.2" np 4.4" np Below year 10 8.1 4.7 8.9" 8.4" np Completed year 10 15.3 23.4 13.9↓ 14.0↓ 26.8" Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7" Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8" Unemployed-looking for work 3.2 2.3" np 6.2" np Full-time student 19.7 22.0 18.3 18.2 np Full-time student 3.	Asia	10.7	np	np	np	np
Other 14.4 3.2# np 4.4# np Highest education level Highest education level Highest education level Highest education level Below year 10 8.1 4.7 8.9# 8.4# np Completed year 10 15.3 23.4 13.9↓ 14.0↓ 26.8# Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7# Employment Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Full-time student 3.4 np np np np Guter not employed-not looking for work 3.9 4.2 np np Full-time student 3.4 np np np np Other not employed-n	First language spoken					
Highest education level 8.1 4.7 8.9# 8.4# np Below year 10 15.3 23.4 13.91 14.01 26.8# Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7# Employment 20.1 15.6 18.6 12.8 8.8# Unemployed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Full-time student 3.4 np np np np Other not employed-not looking for work 3.9 4.2 np np Gutter not employed-not looking for work 9.9 4.2 np np Gutter not employed-not looking for work 9.9 4.2 np np Gutter not employed-not looking for work 9.9 4.2 np np Gutter not employed-not looking for work <	English	85.6	96.8	89.4	95.6	93.2
Below year 10 8.1 4.7 8.9# 8.4# np Completed year 10 15.3 23.4 13.9↓ 14.0↓ 26.8# Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7# Employment 27.7 16.9 22.0 11.4 24.7# Employde full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Full-time student 3.4 np np np np np Full-time student 3.4 np 18.3 18.2 np Other not employed-not looking for work 9.9 4.2 np np 18.4# Retationship status	Other	14.4	3.2#	np	4.4#	np
Completed year 10 15.3 23.4 13.9↓ 14.0↓ 26.8* Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7* Employment 20.1 15.6 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8* Unemployed-looking for work 3.2 2.3** np 6.2** np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Other not employed-not looking for work 9.9 4.2 np np 18.4* Relationship status 54.6 59.5 45.3↓ 52.8 28.8*↓	Highest education level					
Completed year 12 15.8 14.8 19.3 16.9 np Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7# Employment 20.1 15.6 54.4 60.3 56.9 Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Other not employed-not looking for work 9.9 4.2 np np 18.4# Relationship status 54.6 59.5 45.3↓ 52.8 28.8#↓	Below year 10	8.1	4.7	8.9#	8.4#	np
Certificate or diploma 33.1 40.2 36.0 49.4 30.9 Bachelors or higher 27.7 16.9 22.0 11.4 24.7# Employment 200 11.4 24.7# 20.1 15.6 18.6 12.8 8.8# Unemployed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Other not employed-not looking for work 9.9 4.2 np 18.4# Relationship status 54.6 59.5 45.3↓ 52.8 28.8#↓	Completed year 10	15.3	23.4	13.9↓	14.0↓	26.8#
Bachelors or higher 27.7 16.9 22.0 11.4 24.7# Employment 2 2 11.4 24.7# Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Other not employed-not looking for work 9.9 4.2 np np 18.4# Relationship status S4.6 S9.5 45.3↓ S2.8 28.8#↓	Completed year 12	15.8	14.8	19.3	16.9	np
Employment Employed full-time 43.6 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Other not employed-not looking for work 9.9 4.2 np 18.4# Relationship status St.6 59.5 45.3↓ 52.8 28.8#↓	Certificate or diploma	33.1	40.2	36.0	49.4	30.9
Employed full-time 43.6 54.4 54.4 60.3 56.9 Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Other not employed-not looking for work 9.9 4.2 np np 18.4# Relationship status Married/in a de facto relationship 54.6 59.5 45.3↓ 52.8 28.8#↓	Bachelors or higher	27.7	16.9	22.0	11.4	24.7#
Employed part-time 20.1 15.6 18.6 12.8 8.8# Unemployed-looking for work 3.2 2.3# np 6.2# np Retired 19.7 22.0 18.3 18.2 np Full-time student 3.4 np np np np Other not employed-not looking for work 9.9 4.2 np 18.4# Relationship status Status Status Status Status Status	Employment					
Unemployed-looking for work3.22.3#np6.2#npRetired19.722.018.318.2npFull-time student3.4npnpnpnpOther not employed-not looking for work9.94.2npnp18.4#Relationship statusMarried/in a de facto relationship54.659.545.3↓52.828.8#↓	Employed full-time	43.6	54.4	54.4	60.3	56.9
Retired19.722.018.318.2npFull-time student3.4npnpnpnpOther not employed-not looking for work9.94.2npnp18.4#Relationship statusMarried/in a de facto relationship54.659.545.3↓52.828.8#↓	Employed part-time	20.1	15.6	18.6	12.8	8.8#
Full-time student3.4npnpnpnpOther not employed-not looking for work9.94.2npnp18.4#Relationship statusMarried/in a de facto relationship54.659.545.3↓52.828.8#↓	Unemployed-looking for work	3.2	2.3#	np	6.2#	np
Other not employed-not looking for work9.94.2npnp18.4#Relationship statusMarried/in a de facto relationship54.659.545.3↓52.828.8#↓	Retired	19.7	22.0	18.3	18.2	np
Relationship statusMarried/in a de facto relationship54.659.545.3↓52.828.8#↓	Full-time student	3.4	np	np	np	np
Married∕in a de facto relationship 54.6 59.5 45.3↓ 52.8 28.8 [#] ↓	Other not employed-not looking for work	9.9	4.2	np	np	18.4#
	Relationship status					
Single 45.4 40.5 54.7t 47.2 71.2t	Married/in a de facto relationship	54.6	59.5	45.3↓	52.8	28.8#↓
T.T 40.5 54.7 47.2 71.2	Single	45.4	40.5	54.7↑	47.2	71.2↑

Table 4.10: Race betting participants: sociodemographic characteristics of risk groups

		Gambling Risk Group			
	Australian adults	Non- problem	Low risk	Moderate risk	Problem
Subpopulation categories	%	%	%	%	%
Household composition					
Single adult household	12.3	14.4	15.6	15.3	19.5#
Couple only household	24.4	31.0	28.1	28.2	21.5#
Household with children	30.3	24.9	23.7	27.9	22.6
Multiple adult household	33.0	29.7	32.6	28.6	36.4
Housing tenure					
Own outright	17.3	22.9	14.5	12.4↓	np
Own with mortgage	52.7	52.8	54.9	58.6	37.6
Rent	27.7	23.3	25.8	28.1	43.0↑
Remoteness					
Major city	72.5	63.8	69.4	73.2	70.3
Inner regional	18.2	21.2	20.7	14.1	18.7#
Outer regional/remote	9.3	15.0	9.9	12.7	np
SEIFA quintile ^ь					
Lowest	19.6	22.4	20.3	23.0	23.5#
2	18.2	18.4	23.1	20.7	15.4#
Middle	19.3	16.3	10.7	12.5	20.9#
4	20.6	26.9	16.2↓	21.7#	12.5#↓
Highest	22.4	16.0	29.7↑	22.1	27.7#
Equivalised disposable household income	ç				
<\$29,500	19.8	15.0	22.0	20.3	20.3#
\$29,500-\$41,499	20.4	17.2	18.3	17.4	18.6#
\$41,500-\$53,999	19.4	23.6	15.1	19.9	np
\$54,000-\$73,499	20.2	19.2	16.6	18.2	32.1
\$73,500+	20.2	25.1	28.0	24.3	14.6#
Main source of household income					
Wages/salary/business	73.5	74.9	77.0	77.3	72.6
Govt. pension/allowance/benefit	18.2	16.9	15.5#	19.2	20.3#
Superannuation/annuity/investment	8.1	8.2	7.5#	3.5#↓	np

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. ↑ and ↓ are used to indicate values significantly above or below non-problem gamblers at p<.05.

Sex Male 49.0 84.1 92.61 96.31 89.7 Female 51.0 15.9 7.4*1 np np Age group 4.9 2.2.5 2.9.2 45.11 32.1 34.3* 30-49 34.9 42.7 39.0 46.5 37.0* 50-64 24.1 20.2 12.1* 15.9* 28.7* 56+ 36.7 7.9 94.6 94.3 82.7 Indigenous status 2.3 2.8* 5.4* np np Region of birth* 2.3 2.8* 3.4* np np Australia 69.7 82.4 85.5 75.9 85.5 Europe 10.8 6.8* np np np Asia 0.7 92.5 95.7 97.3 87.6 Other 14.4 np np np np English 50.6 97.5 97.3 87.6 Other			Gambling Risk Group			
Subpopulation categories%%%%%SexMaie49.084.192.6196.3149.7Female51.015.97.4*1npnpAge group18-2922.529.245.1132.134.3*50-6424.120.212.1*15.9*28.7*50-6424.120.212.1*15.9*28.7*50-6424.120.212.1*15.9*28.7*55 the indigenous status82.794.694.382.7Indigenous status23.2.8*npnpRegion of birth*43.67.99.4*npnpAustralia10.7npnpnpnpAsia10.7npnpnpnpFirst Janguage spoken14.4npnpnpnpEnglish85.697.595.797.387.6Completed year 1015.315.410.6*12.6*24.5*Completed year 1015.315.410.6*12.6*24.5*Completed year 1215.820.435.818.8*npEmployed full-time43.673.065.075.451.6*Employed full-time43.673.065.075.410.6*Engloyed full-time43.673.065.075.410.6*Engloyed full-time3.129.725.952.0*36.4*Engloyed full-time </th <th></th> <th></th> <th>Non-problem</th> <th>Low risk</th> <th>Moderate risk</th> <th>Problem</th>			Non-problem	Low risk	Moderate risk	Problem
Male49.084.192.6196.3189.7Female51.015.97.4*1npnpAge group18-2922.529.245.1152.134.3*30-4934.942.739.046.537.0*50-6424.120.212.1*15.9*28.7*Indigenous status7.797.294.694.382.7Indigenous status2.32.8*5.4*npnpNon-Indigenous9.797.294.694.382.7Indigenous2.32.8*5.4*npnpRegion of birth*7.797.294.694.382.7Indigenous0.70.9npnpnpRegion of birth*7.585.575.985.5Europe10.86.8*npnpnpAsia0.7npnpnpnpOther14.4npnpnpnpIngusate spoken15.315.410.6*12.6*24.5*Completed year 1015.315.410.6*12.6*24.5*Completed year 1015.315.410.6*12.6*24.5*Completed year 1015.315.410.6*12.6*24.5*Completed year 1215.875.952.0*36.4*npCompleted year 1215.875.952.0*36.4*npCompleted year 1215.875.956.4* <th>Subpopulation categories</th> <th>%</th> <th></th> <th></th> <th></th> <th></th>	Subpopulation categories	%				
Female 510 15.9 7.4*1 np np Age group Age group 34.9 42.7 39.0 46.5 37.0* 50-64 24.1 20.2 12.1* 15.9* 28.7* 65+ 18.6 7.9 np 5.4* np Indigenous status 97.7 97.2 94.6 94.3 82.7 Indigenous fatus 97.7 97.2 94.6 94.3 82.7 Indigenous fatus 97.7 97.2 94.6 94.3 82.7 Indigenous fatus 97.7 97.2 94.6 94.3 82.7 Region of birth* Asstralia 69.7 82.4 85.5 75.9 85.5 Europe 10.8 6.8* np np np np Asia 10.7 np np np np np English 85.6 97.5 95.7 97.3 87.6 Other 14.4 np <t< td=""><td>Sex</td><td></td><td></td><td></td><td></td><td></td></t<>	Sex					
Age group 18-29 22.5 29.2 45.1† 32.1 34.3° 30-49 34.9 42.7 39.0 46.5 37.0° 50-64 24.1 20.2 12.1° 15.9° 28.7° 65+ 18.6 7.9 n.p 5.4° n.p folgenous status 18.6 7.9 n.p 5.4° n.p Indigenous catus 2.3 2.8° 9.4.6 94.3 82.7 Indigenous catus 2.3 2.8° 9.4.6 9.4.5 82.7 Region of birth* 2.3 2.8° 5.8° 9.7.5 87.5 Region of birts 2.0° 6.8″ n.p n.p n.p Australia 69.7 82.4 85.5 75.9 87.5 Europe 10.8 6.8″ n.p n.p n.p Australia 10.7 n.p n.p n.p n.p Europe 18.4 n.p n.p n.p	Male	49.0	84.1	92.6↑	96.3↑	89.7
18-2922.529.245.1†32.134.3°30-4934.942.739.046.537.0°50-6424.120.212.1°15.9°28.7°65+18.67.9np5.4°npIndigenous status97.797.294.694.382.7Indigenous2.32.8°5.4°npnpRegion of birth*2.32.8°5.4°npnpRegion of birth*10.86.8″npnpnpAsia10.710.86.8″npnpnpAsia10.775.997.387.685.5Corpe10.86.8″npnpnpAsia10.7npnpnpnpAsia10.715.410.6°12.6°24.5°Corplet dycar 1015.315.410.6°12.6°24.5°Completed year 1015.315.410.6°12.6°24.5°Corpleted year 1215.820.435.818.8°npCertificate or diploma33.129.725.952.0°36.4°Employed full-time21.319.9npnpnpCertificate or diploma32.npnpnpnpCertificate or diploma33.129.725.952.0°36.4°Employed full-time43.673.063.075.451.6Employed part-time21.936.4°np<	Female	51.0	15.9	7.4#↓	np	np
S0-4954.942.739.046.537.0°S0-6424.120.212.1°15.9°28.7°S5+18.67.9np5.4°npIndigenous status97.797.294.694.382.7Indigenous2.32.8°5.4°npnpRegion of birth*2.32.8°5.4°npnpAustralia69.782.485.575.985.5Europe10.86.8°npnpnpAsia10.7npnpnpnpStage spoken10.7npnpnpnpEurope18.697.597.587.6Other14.675.997.787.6Below year 1081.65.0°npnpCompleted year 1015.315.410.6°12.6°Completed year 1215.820.435.818.8°Completed year 1215.820.435.818.8°Completed year 1215.827.026.952.0°Completed year 1215.875.063.075.451.6Employed full-time43.673.063.075.451.6Employed full-time43.673.063.075.451.6Employed-holking for work3.2npnpnpCorrigities student3.4°npnpnpCorrigities student3.4°npnpnpCorrigi	Age group					
So-6424120.212.1"15.9"28.7"65*18.67.9np5.4"npIndigenous status97.797.294.694.382.7Indigenous2.32.8"5.4"npnpRegion of birth*2.32.8"5.4"npnpAustralia69.782.485.575.985.5Europe10.86.8"npnpnpAsia10.7npnpnpnpFirst language spoken14.4npnpnpnpEurope18.597.595.797.387.6Other14.4npnpnpnpCompleted year 1015.315.410.6"12.6"24.5"Completed year 1015.315.410.6"12.6"24.5"Completed year 1015.315.410.6"12.6"24.5"Completed year 1015.315.410.6"12.6"24.5"Completed year 1015.315.410.6"12.6"24.5"Completed year 1015.315.410.6"12.6"24.5"Completed year 1015.315.410.6"12.6"26.6"Completed year 1015.315.410.6"12.6"26.6"Completed year 1015.315.410.6"12.6"26.6"Completed fulltime43.673.063.075.451.6"Employed fulltime13.	18-29	22.5	29.2	45.1↑	32.1	34.3#
S5+18.67.9np5.4"npIndigenous status97.797.294.694.382.7Indigenous2.32.8"5.4"npnpRegion of birth*2.32.8"5.4"npnpRustralia69.782.485.575.985.5Europe10.86.8"npnpnpAsia10.7npnpnpnpFirst language spoken14.4npnpnpnpEurope14.4npnpnpnpDebu year 10815.0"95.797.387.6Completed year 1015.315.410.6"12.6"24.5"Completed year 1215.820.435.818.8"npCertificate or diploma33.129.725.952.0136.4"Engloyed full-time43.673.063.075.451.6Engloyed part-time20.111.921.213.6"npDemoployed-looking for work3.2npnpnpnpPartiered3.4"npnpnpnpnpDether not employed-not looking9.93.2npnpnpRelicentifies tuteut3.4"npnpnpnpDether not employed-not looking9.93.2npnpnpRelicionship status54.650.728.8444.829.3	30-49	34.9	42.7	39.0	46.5	37.0#
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Non-Indigenous97.797.294.694.382.7Indigenous2.32.8"5.4"npnpRegion of birth*Australia69.782.485.575.985.5Europe10.86.8"npnpnpAsia10.7npnpnpnpFirst language spoken14.4npnpnpnpFirst language spoken14.4npnpnpnpBelow year 108.15.0"npnpnpCompleted year 1015.315.410.6"12.6"24.5"Completed year 1215.820.435.818.8"npCompleted year 1215.820.435.818.8"npCompleted year 1215.820.435.818.8"npCompleted year 1215.820.435.818.6"npCompleted year 1215.820.435.818.8"npCompleted year 1215.820.435.818.6"npCompleted year 1215.820.725.952.0"36.4"Employed full-time3.19.79.55.4"npnpIpployed part-time19.79.55.4"npnpnpRetired19.79.55.4"npnpnpComplexed-not looking3.93.2npnpnpComplexed-not looking3.4"npnpnp <td>65+</td> <td>18.6</td> <td>7.9</td> <td>np</td> <td>5.4#</td> <td>np</td>	65+	18.6	7.9	np	5.4#	np
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	Relationship status					
Single 45.4 49.3 71.2↑ 55.2 70.7	Married/in a de facto relationship	54.6	50.7	28.8↓	44.8	29.3
	Single	45.4	49.3	71.2↑	55.2	70.7

Table 4.11: Sports betting participants: Sociodemographic characteristics of risk groups

		Gambling Risk Group				
	Australian adults	Non-problem	Low risk	Moderate risk	Problem	
Subpopulation categories	%	%	%	%	%	
Household composition						
Single adult household	12.3	10.3	22.2	14.9	np	
Couple only household	24.4	24.2	24.4	26.3	np	
Household with children	30.3	25.1	18.9	30.0	16.7	
Multiple adult household	33.0	40.4	34.5	28.8	54.4	
Housing tenure						
Own outright	17.3	13.5	20.3	21.2	np	
Own with mortgage	52.7	59.9	38.3↓	58.1	44.8	
Rent	27.7	26.1	39.0	20.7#	46.7↑	
Remoteness						
Major city	72.5	75.6	79.3	81.2	74.4	
Inner regional	18.2	18.1	15.5	13.1#	18.O#	
Outer regional/remote	9.3	6.3	np	5.7#	np	
SEIFA quintile ^ь						
Lowest	19.6	20.5	12.5#	22.0	23.8	
2	18.2	16.2	15.1	9.6#	np	
Middle	19.3	14.5	19.2	12.6#	np	
4	20.6	24.2	25.3#	31.7#	10.3#↓	
Highest	22.4	24.6	27.9	24.2#	41.7	
Equivalised disposable household i	income ^c					
<\$29,500	19.8	10.5	8.3#	8.O#	np	
\$29,500-\$41,499	20.4	13.3	33.1↑	15.9#	np	
\$41,500-\$53,999	19.4	18.7	6.9#↓	23.6#	np	
\$54,000-\$73,499	20.2	23.9	21.4#	20.7	31.1	
\$73,500+	20.2	33.6	30.3	31.9	np	
Main source of household income						
Wages/salary/business	73.5	87.9	94.2	91.9	78.6	
Govt. pension/allowance/benefit	18.2	8.3	np	6.1#	np	
Superannuation/annuity/ investment	8.1	3.4	np	np	np	

Notes: Percentages based on weighted data. Percentages may not total 100% due to rounding or non-response. ^a Only regions of birth representing >10% of the population are presented. ^b Socio-Economic Indexes for Areas 2011. ^c Household income after tax, weighted for size and composition of household. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. ↑ and ↓ are used to indicate values significantly above or below non-problem gamblers at p<.05

5 Gambling problems and expenditure

Introduction

This chapter extends the previous ones, by examining the information on typical past-year expenditure by regular gamblers, in conjunction with the gambling problems risk groups described in the previous chapter (as assessed by the Problem Gambling Severity Index (PGSI; Ferris & Wynne, 2001). Estimates include national expenditure and mean expenditure by risk-level, both overall and on each activity.

As noted in Chapter 3 (page 19), the estimates of expenditure were calculated by multiplying regular gamblers' self-reported typical monthly spend by 12. The estimates therefore do not represent *total gambling* expenditure for the year, which would include amounts from higher and lower spend months, and expenditure on activities where participation was less than monthly.⁷

Key findings

- Gamblers who had problems (i.e., the combined low-risk, moderate-risk and problem gamblers), representing 17% of regular gamblers, accounted for nearly half of all expenditure by regular gamblers in 2015 (\$3.63b or 42%), and more than half of all expenditure by regular gamblers on EGMs, race betting, sports betting, casino table games and private betting (59-69%).
- The low risk, moderate risk and problem gambler groups each spent around one third of their typical gambling expenditure on EGMs (32-36%) and one fifth on race betting (19%-22%).
- Expenditure per gambler was higher among those in higher risk groups. Non-problem gamblers averaged \$883 over the year whereas problem gamblers averaged \$6,241.
- The strength of relationship between expenditure and gambler risk status varied markedly across products. Lottery, keno and instant scratch ticket expenditure had the weakest connection. Race betting, EGMs and particularly sports betting expenditure had a much stronger connection with risk.
- The biggest typical gambling outlays were made by problem gamblers who participated in race betting (\$8,141 on average) and sports betting (\$9,716 on average), noting that they spent at least half of these amounts on other activities.

National gambling expenditure by risk group

Table 5.1 (page 47) shows HILDA survey-based estimates of national expenditure on each activity by regular participants belonging to each risk group. Figure 5.1 displays these estimates as proportions of national activity expenditure by risk group.

Non-problem gamblers, representing 83% of adults who gambled in a typical month, accounted for a little over half (\$4.96b or 58%) of typical gambling expenditure by regular gamblers in 2015. Those who experienced gambling-related problems, representing 17% of typical monthly gamblers, accounted for a little under half (\$3.63b or 42%).

⁷ To reduce the impact of outliers on estimates of overall spend, expenditure estimates were run using a Winsorised technique where values were capped at the top and bottom 1%.

In terms of specific activities, non-problem gamblers accounted for most of the money spent on lotteries (\$2.87b or 80%) which was their highest-spend activity. They also accounted for the majority of money spent on instant scratch tickets and bingo.

Those with gambling problems accounted for the majority of money spent on EGMs, which was their highest spend activity (\$1.23b or 67%), as well as casino table games, sports betting, race betting and private betting.

Non-problem gamblers and those with problems each accounted for around half of keno and poker expenditure.

Table 5.1: National past-year expenditure by regular activity participants belonging to each risk group

		Non-problem gamblers		Low risk gamblers		derate risk amblers	Problem gamblers	
Activity	\$M	95% CI	\$M	95% CI	\$M	95% CI	\$M	95% CI
Lottery	2,874	(2,700-3,048)	362	(284-439)	262	(175-348)	76	(38-115)
Instant scratch tickets	277	(237-317)	44#	(15-73)	30	(17-43)	15	(2-29)
EGMs	594	(503-684)	420	(276-564)	525	(396-653)	282#	(160-404)
Race betting	502	(426-579)	241	(173-309)	335	(246-424)	187	(86-288)
Sports betting	229	(153-306)	86	(50-123)	131#	(50-212)	132#	(23-242)
Keno	125	(90-159)	39	(25-53)	47	(22-72)	15	(4-26)
Casino table games	79	(41-117)	61	(1-121)	42#	(11-73)	75#	(14-135)
Bingo	107	(65-150)	34	(16-52)	9	(3-14)	6	(0-13)
Private betting	53	(28-79)	9#	(2-15)	41#	(8-74)	27#	(1-54)
Poker	np	-	np	-	58#	(9-108)	36#	(10-63)
Any gambling	4,963	(4,668-5,257)	1,302	(1,002-1,603)	1,478	(1,217-1,740)	853	(550-1,156)

Notes: Values based on weighted data and capped expenditure. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure. Expenditure may not add to totals due to missing PGSI values for some participants. # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%.





Figure 5.2 shows the proportion of each risk group's total regular expenditure spent on each activity.

The overall pattern was one where higher risk groups spent more of their total regular gambling outlay on EGMs, race betting, sports betting, and casino table games and less on lotteries and instant scratch tickets.

As a group, non-problem gamblers spent more than half of their total typical gambling outlay on lotteries (58%), with the remainder spread widely across other activities. In contrast, the low risk, moderate risk, and problem gamblers each spent around a third of their total gambling outlay on EGMs (32–35%) and a fifth on race betting (19–23%). Low risk and moderate risk gamblers also spent substantial portions on lotteries (28% and 18%) while problem gamblers spent more on sports betting (15%) than lotteries (9%).

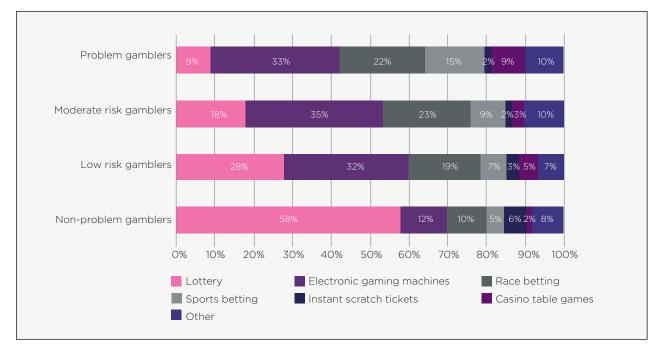


Figure 5.2: Proportion of risk group expenditure on each activity

Mean gambling expenditure by risk group

Turning now to the perspective of individuals' spending, within each risk group, Table 5.2 and Figure 5.3 (page 49) show estimates of mean past-year expenditure on the 10 gambling activities. Note that mean expenditure estimates for casino table games, bingo, private betting and poker were unreliable across most risk groups. This was because of small participant numbers within each risk group and the large variations in the expenditure they reported. While their means are provided, those marked as unreliable were not interpreted.

The table shows that average gambling expenditure was higher for adults in higher risk groups. Illustrating this, expenditure was lowest among non-problem gamblers whose typical monthly gambling amounted to an average of \$883 per participant over 2015. Expenditure peaked among problem gamblers who spent seven times as much on average (\$6,241).

With respect to the valid activity estimates for non-problem gamblers, yearly expenditure was low for keno (\$353, on average) and instant scratch tickets (\$229 on average), and for other activities averages were in the range of \$645 for lottery up to \$887 for race betting. Low-risk, moderate-risk and problem gamblers each spent substantially more on average on EGMs and race betting than on other products. Problem gamblers spent the highest amounts, on EGMs, race betting and sports betting (\$3,343–3,910).

While all activities saw a higher spend among problem gamblers, what was also apparent was that the strength of relationship between expenditure and gambler risk status varied widely across products. Lottery, keno and instant scratch ticket expenditure showed the weakest rise across risk groups, with problem gambling participants spending twice as much on average as those without problems. EGM expenditure showed a much steeper rise, with problem gamblers spending five times as much as non-problem gamblers. Race and particularly sports betting expenditure showed an exponential rise across risk groups, with expenditure doubling between non-problem gamblers and moderate risk participants, and doubling or tripling again for problem gambling participants.

		problem mblers	Low ris	sk gamblers		erate risk Imblers	Proble	m gamblers
Activity	\$	95% CI	\$	95% CI	\$	95% CI	\$	95% CI
Lottery	645	(612-677)	990↑	(829-1,151)	1,072↑	(828-1,315)	1,136↑	(657-1,616)
Instant scratch tickets	229	(200-258)	376	(191-561)	256	(171-342)	465#	(110-820)
EGMs	720	(628-811)	1,623↑	(1,195-2,052)	2,177↑	(1,820-2,534)	3,343↑	(2,275-4,411)
Race betting	887	(751-1,022)	1,285↑	(1,020-1,550)	2,042↑	(1,640-2,445)	3,815↑	(2,556-5,074)
Sports betting	693	(469-916)	877	(555-1,199)	1,343	(748-1,938)	3,910↑	(1,821-5,998)
Keno	353	(286-420)	570↑	(422-719)	532	(300-763)	723	(298-1,147)
Casino table games	775	(556-994)	2,200#	(102-4,299)	1,425#	(550-2,299)	2,651#	(343-4,959)
Bingo	872	(657-1,087)	926	(544-1,309)	579#	(195-964)	995#	(5-1,984)
Private betting	686	(463-909)	351#	(53-650)	1,908#	(619-3,197)	1,529↑	(822-2,236)
Poker	np	-	1,045#	(9-2,082)	2,530#	(729-4,331)	1,296	(878-1,714)
Any gambling	883	(840-925)	2,205†	(1,858-2,552)	3,685↑	(3,182-4,189)	6,241†	(4,994-7,488)

Table 5.2: Mean past-year expenditure by regular activity participants belonging to each risk group

Notes: Values are based on weighted data and capped expenditure. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure. Expenditure may not add to totals due to missing PGSI values for some participants # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%. ↑ and ↓ are used to indicate values significantly above or below non-problem gambler expenditure at p<.05.

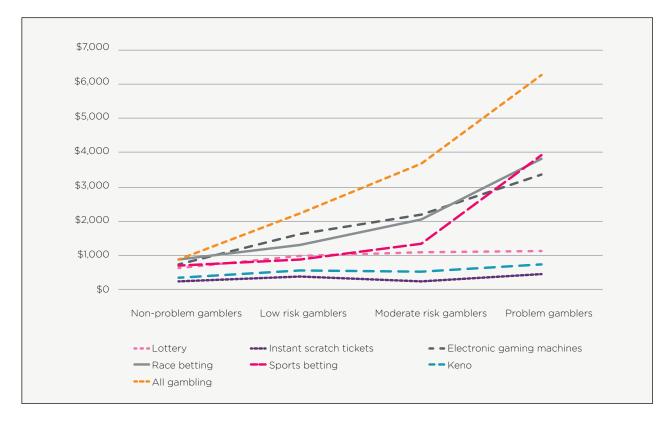


Figure 5.3: Mean past-year expenditure by regular activity participants belonging to each risk group

Table 5.3 shows participants' mean expenditure on each activity as a proportion of their total gambling outlay.

Non-problem gamblers who participated in any given activity spent the majority or close to the majority of their total personal gambling outlay on that activity. For instance, non-problem gamblers who participated in lotteries spent 84% on average of their total gambling outlay on that activity (e.g., the average spend of \$645 would come from an estimated total outlay of \$764).

Low-risk participants spent the majority of their money on single activities as well, except for those who participated in instant scratch tickets, keno, and potentially private betting, where the proportions outlaid were around 30%.

Among moderate-risk and problem gamblers, only race betting and EGMs attracted the majority of participants' total outlays (47% to 61%). Casino gaming, sports betting, and poker attracted 30% to 40% on average. Private betting, keno and instant scratch tickets attracted much less.

These findings are of course related to the findings presented earlier (see Table 4.2) in which we reported that non-problem gamblers often have only one regular gambling activity, while the moderate risk and problem gamblers often reported having multiple activities they participated in.

	Non-problem gamblers	Low risk gamblers	Moderate risk gamblers	Problem gamblers
Activity	%	%	%	%
Lottery	84.4	54.3	37.1	25.2
Instant scratch tickets	44.3	29.0	13.4	16.1#
EGMs	59.8	61.4	59.7	61.4
Race betting	54.8	50.5	47.3	46.9
Sports betting	48.5	46.2	32.2	40.2
Keno	38.5	28.2	16.2	11.9
Casino table games	62.7	53.7	35.9	37.3
Bingo	63.6	42.1	35.3	np
Private betting	56.6	27.O [#]	23.2#	23.O#
Poker	59.8	48.8#	31.0	29.2

Table 5.3: Mean past-year activity expenditure as a proportion of regular participants' total gambling outlay

Notes: Values based on weighted data and capped expenditure. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure. Expenditure may not add to totals due to missing PGSI values for some participants # RSE between 30% and 50%. np - data not presented due to insufficient responses or RSE >50%.

Figure 5.4 (page 51) shows mean past-year expenditure by activity participants, by risk group, on each activity and on gambling overall.

The figure shows that while higher risk gamblers generally spent more than lower risk gamblers on all the activities they participated in, those who participated in certain activities were likely to spend much more, on the activity and overall, than higher risk gamblers who participated in other activities.

For instance, higher risk gamblers who regularly participated in instant scratch tickets spent the least, on this activity and overall. Those who regularly participated in sports betting, spent the most, on this activity and overall.

The biggest mean gambling outlays were made by problem gamblers who participated in race betting (\$8,141), and sports betting (\$9,716), noting that they spent at least half of their outlays on other activities.

Together these findings illustrate the importance of considering gamblers' overall gambling outlay, not just their expenditure on a single product, when considering links between expenditure and problem gambling risk status. Higher risk gamblers are likely to spend more on gambling overall—particularly those attracted to EGMs, race and sports betting—and to spread their outlay over a range of activities rather than a single activity. Lower risk gamblers spend less overall and on fewer products.

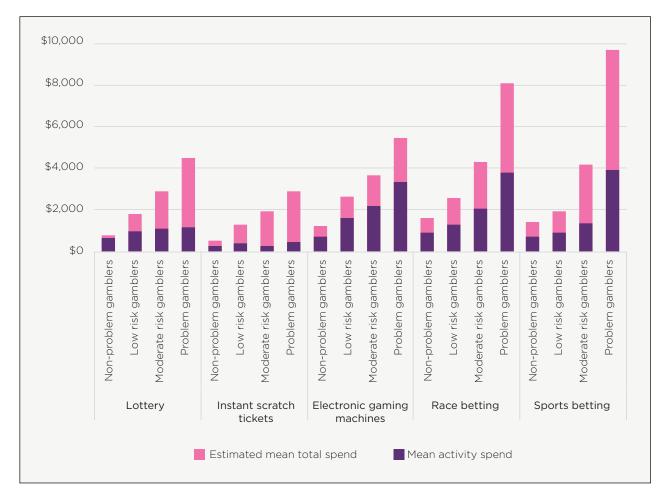


Figure 5.4: Mean past-year activity expenditure and estimated total gambling expenditure by regular participants belonging to each risk group

6 Gambling and the household budget

Introduction

This chapter presents gambling expenditure in the context of household budgets, and explores the impact of gambling expenditure on households of different income levels. Gambling expenditure is compared to spending on two essential consumable groups, groceries and utilities. Expenditure on these three groups is compared and examined as a proportion of the combined disposable income of all household members in homes containing a gambler. Expenditure patterns are examined across five household income quintiles ranging from low income to high income households, and also across risk groups. Rates of household financial stress are also compared across risk groups. Details of variables used are provided in Appendix C (page 62).

Key findings

- Gamblers in the lowest income quintile households spent a much greater proportion of their household incomes on gambling compared to those in the highest income households (10.4% vs 1.3%), despite a lower average spend in dollar terms (\$1,661 vs \$2,386).
- Higher risk gamblers within each household income quintile spent greater proportions of the household's disposable income on gambling. Problem gamblers in the lowest income households spent the greatest proportion (27%)—equivalent to four times the average yearly household utility bills, and more than half the grocery bills, of that income group.
- Households containing higher risk gamblers experienced a much higher rate of stressful financial events than those of lower risk gamblers. 51% of problem gamblers lived in households where someone had to ask for financial help; 27% were unable to pay the mortgage or rent on time.

Gambling expenditure as a proportion of household disposable income

Gamblers' households are the units of observation in this subsection, meaning that income refers to the sum of all household members' disposable incomes in homes containing a gambler. Gambling, grocery and utility expenditure likewise refer to the sum of all members' expenditure in homes containing a gambler. Table 6.1 (page 53) shows that in gambling households there was an average of 1.4 regular gamblers. The mean number of gamblers per household was less in lower income households, reflecting their having a smaller average number of adults.

Table 6.1 shows that gamblers in lower income households spent a much greater proportion of their household's disposable income on gambling than middle and higher income households. Among households in the lowest income quintile, gamblers spent 10% of disposable income available to all members on their gambling activities. Among middle income homes, this was 2%. Among homes in the highest income quintile, this was only 1%.

Figure 6.1 (page 53) expands on the expenditure information to also show the proportion of gambling households' disposable income spent on groceries⁸ and utilities⁹. Compared to expenditure on essential consumables, gambling accounted for a similar proportion of disposable income as utility bills across most

⁸ Includes food, cleaning products, pet food and personal care products. Does not include alcohol or tobacco.

⁹ Includes electricity bills, gas bills and other heating fuel such as firewood and heating oil.

households. Groceries accounted for four to six times as much. The lowest income households were an exception, with gambling accounting for 60% more disposable income than utilities.

Disposable household income	Mean income	Mean household gambling expenditure	% of income spent on gambling	Mean number of adult household members	Mean number of adult household members who are gamblers
<\$38,000	26,019	1,661	10.4	1.4	1.2
\$38,000-\$63,749	51,371	1,806	3.6	1.8	1.3
\$63,750-\$92,499	77,675	1,675	2.2	2.2	1.3
\$92,500-\$131,999	110,921	2,035	1.9	2.5	1.4
\$132,000+	207,194	2,386	1.3	2.9	1.4
All gambling households	96,874	1,930	3.6	2.2	1.4

 Table 6.1:
 Proportion of gambling households' disposable income spent on gambling, by income quintile

Notes: Values are based on weighted data and uncapped expenditure at a household level. Annual income and expenditure data are presented.

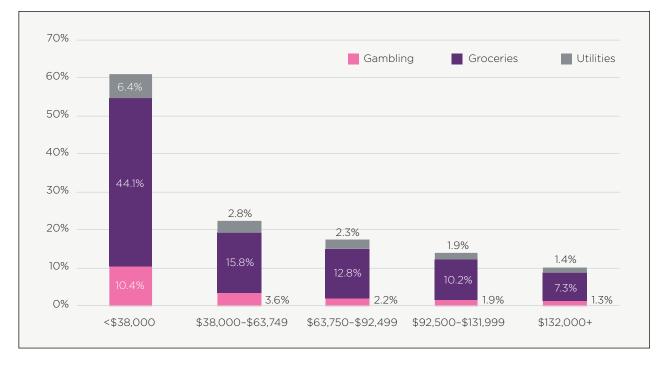


Figure 6.1: Proportion of gambling households' disposable income spent on groceries, utilities and gambling, by income quintile

Gambling expenditure as a proportion of household income by risk group

Individuals' expenditure on gambling was further compared to the total disposable income brought into their household by all members, by risk group membership.

The pattern of lower income households spending a higher proportion of household income on gambling was even stronger when a member was a higher risk gambler (Figure 6.2, page 54). Table 6.2 (page 54) provides further context to these findings, showing the dollar values these proportions represent for the average household income in each quintile.

A remarkable finding was the relative impact that problem gambling had on households with different income levels. Among homes in the lowest income quintile, problem gamblers spent an average of 27% of their

households' disposable income on gambling. Among households in the highest income quintile, problem gamblers spent only 4% of household income.

Among non-problem gamblers, those in low income homes were spending on average about 5% of their total household budget on gambling, compared to 1% in middle income homes and 0.5% in high income homes. This figure (5%) is also higher than the percentage of total household income spent by problem gamblers from homes in the two highest income quintiles.

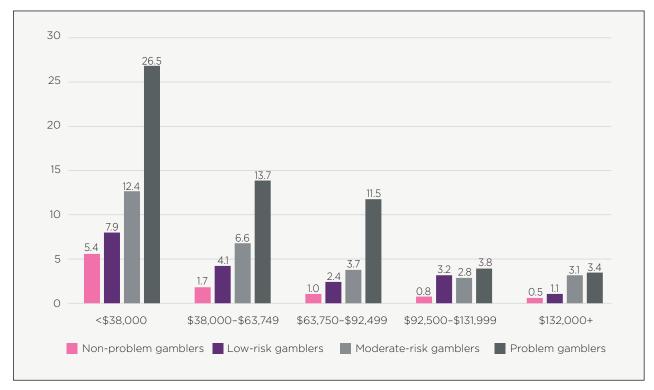


Figure 6.2: Proportion of gambling households' disposable income spent on gambling, by risk group and income quintile

Table 6.2:	Proportion of gambling households' disposable income spent by gamblers, by risk group and
income quir	ntile

		Non-problem gamblers		low risk gamblers		Moderate risk gamblers		Problem gamblers	
Disposable household income	Mean income	% spent	\$ value	% spent	\$ value	% spent	\$ value	% spent	\$ value
<\$38,000	26,019	5.4	1,410	7.9	2,048	12.4	3,234	26.5#	6,891
\$38,000-\$63,749	51,371	1.7	889	4.1	2,127	6.6	3,389	13.7	7,033
\$63,750-\$92,499	77,675	1.0	802	2.4	1,844	3.7	2,857	11.5	8,960
\$92,500-\$131,999	110,921	0.8	862	3.2	3,515	2.8	3,130	3.8	4,247
\$132,000+	207,194	0.5	1,101	1.1	2,248	3.1	6,362	3.4	7,055

Notes: Values based on weighted data and capped expenditure at a participant level. Percentages may not total 100% due to rounding. Expenditure calculations exclude those who reported they had participated in an activity in a typical month, but who did not report a dollar amount when prompted for the expenditure. # RSE between 30% and 50%.

Financial stress

All household members aged 15 or above were asked whether they had experienced range of stressful events in the past year, such as going without meals or being unable to pay bills on time, due to a shortage of money. As financial stress may be experienced differently by different household members, these answers were combined to show whether any household member had experienced these events. Rates of household financial stress were compared across gambling risk groups to explore the relationship between gambling-related problems and household financial wellbeing. Table 6.3 presents the proportion of Australian adults and adult gamblers whose households experienced common stressful financial events in 2015.

It is evident that households containing gamblers who had problems experienced a much higher proportion of events than those of non-gamblers. Conversely, a lower proportion of non-problem gamblers' households experienced stressful financial events than those of non-gamblers. Risky gambling behaviour, but not gambling participation in and of itself, was associated with a higher likelihood of household members reporting any stressful financial event.

Most common to all risk groups were the experiences of being unable to pay electricity, gas or telephone bills on time, and needing to ask friends or family for financial help. Around one in five non-problem gamblers' households experienced these events, increasing across risk groups to one half of problem gamblers' households asking for help. Following the same pattern, a quarter of households containing problem gamblers were unable to pay the mortgage or rent on time, and went without meals—events experienced in less than one in 10 non-problem gamblers' households. The findings show that problematic gambling behaviour is strongly connected to the financial wellbeing of households.

	Australia	Regular gamblers	Non- gambler	Non- problem gambler	Low risk gambler	Moderate risk gambler	Problem gambler
Someone in household ^a	%	%	%	%	%	%	%
Could not pay electricity, gas or telephone bills on time	18.5	18.7	18.3	17.1	23.0	30.7↑	33.8↑
Could not pay the mortgage or rent on time	9.4	9.5	9.3	8.6	10.0	16.3↑	26.7↑
Pawned or sold something	8.9	8.6	9.1	7.7	11.6	11.6	28.0↑
Went without meals	5.5	4.8	5.9	3.9↓	6.2	9.9	21.4↑
Was unable to heat home	5.1	5.0	5.2	4.2	7.1	8.3	17.4↑
Asked for financial help from friends or family	19.7	17.7	21.0	15.7↓	23.7	25.8	50.8↑
Asked for help from welfare/ community organisations	6.4	5.6	6.9	4.5↓	11.1↑	8.5	18.5↑
Experienced any event	31.0	29.8	31.8	27.2↓	37.2	44.8↑	60.9↑
Experienced two or more events	18.6	18.3	18.7	16.4↓	23.3	29.1↑	44.2↑

Table 6.3: Proportion of adults whose household experienced stressful financial events, by risk group

Notes: Values based on weighted data. Percentages may not total 100% due to rounding. ↑ and ↓ are used to indicate values significantly above or below non-gamblers at p<.05 a—Combined response of all responding household members aged 15 or over

7 Conclusion

The new gambling questions included in the 2015 HILDA survey have enabled detailed analysis of regular gambling activity in Australia for the first time. This report has presented a compilation of statistics, taking the approach of describing the characteristics of regular gamblers and their gambling expenditure, describing the degree to which they experience gambling-related problems, and relating this to household income, expenditure, and financial stress. The format and style has followed that used in prior prevalence studies, such that it is intended as a resource for policy makers and researchers. Clearly, much more detailed research using this new data source is possible, and in the future, this can be extended with longitudinal gambling research. The research presented here has nevertheless highlighted the potential risks to households of gambling behaviours, and also the ways in which the characteristics of regular gamblers, and those participating in particular gambling activities, compare to the Australian population. This information is important in advancing our understanding of gambling activity in Australia.

Appendices

Appendix A: Comparisons with other Australian data sources

The statistics in this Appendix are intended to provide points of comparison between the HILDA Survey data and recent Australian gambling surveys.

Participation

Table 7.1 shows the past year participation rates reported in the most recent state and national gambling prevalence studies, alongside the monthly participation rates surveyed in the HILDA Survey.

Comparison with the two national gambling surveys suggests that the monthly gamblers identified in the HILDA Survey represented approximately 60% of Australians who gambled in the past year. Around two-thirds of past-year lottery participants were represented, indicating that most buy tickets on a regular basis. Casino table gaming was an occasional event for most, with only 15% of past-year participants represented in the HILDA Survey. Between 30–40% of past-year participants in all other activities appear likely to be regular gamblers.

	HILDA	National ^a	National ^b	NSW ^c	Vicd	Qlde	SAf	Tas ^g	ACT ^h	NT ⁱ
Year of data collection	2015	2012/ 2013	2011	2011	2014	2011/ 2012	2012	2013	2014	2015
Lottery	29.7	49.2	43.2	41	46.9	59	55.5	43.0	33.4	46.1
Instant scratch tickets	8.6	22.0	31.5	28	10.7	na	20.7	20.6	15.1	17.5
EGMs	8.2	20.7	19.4	27	16.7	30	26.5	18.6	30.2	22.9
Race betting	5.6	15.9	22.4	24	20.6	19	20.5	10.5	17.6	22.8
Sports	3.3	5.7	13.3	7	4.8	5	6.1	4.4	6.9	7.5
Keno	3.2	7.2	8.9	14	3.7	16	7.7	26.0	2.9	25.4
Casino games	1.1	5.9	8.7	6	5.1	6	6.1	6.3	5.8	13.4
Bingo	1.1	3.0	2.9	2	2.6	3	na	1.7	na	2.0
Any gambling	38.9	63.9	64.3	65	70.1	74	68.8	61.2	55.1	68.2

Table 7.1:Past year participation rates in Australian gambling surveys compared to the monthly rate in theHILDA Survey

Notes: Excluding HILDA, all participation rates refer to past-year activity. Reference notations in table. Reference acronyms.

Sources: ^a Dowling et al., 2016; ^b Hing et al. 2014; ^c Sproston et al., 2012; ^d Hare, 2015; ^e Office of Economic and Statistical Research, 2012; ^f The Social Research Centre, 2013; ^g ACIL Allen Consulting et al., 2014; ^h Davidson et al., 2016; ⁱ Stevens et al., 2017. Table 7.2 shows monthly participation rates reported by three Australian state and territory surveys. These are the only surveys to provide monthly participation statistics, and cover the smallest Australian jurisdictions. They nevertheless provide some points of comparison with the national monthly participation rates derived from the HILDA Survey. They illustrate the variability in activity participation between these jurisdictions and Australia as a whole.

	HILDA (National)	Tasmania 2013 ª	ACT 2014 ª	NT 2015ª
Activity		Adult popu	llation (%)	'
Lottery	29.7	23.1	16.3	15.2
Instant scratch tickets	8.6	5.4	3.5	2.7
EGMs	8.2	4.4	5.2	4.1
Race betting	5.6	3.4	2.8	4.6
Sports betting	3.3	1.5	2.6	2.7
Keno	3.2	7.8	0.2	5.3
Casino table games	1.1	0.7	0.7	0.8
Bingo	1.1	0.4	0.3	0.4
Private betting	0.9	0.5	na	na
Poker	0.8	na	na	na
Any gambling	38.9	34.1	24.9	37.2
		Gambling pop	oulation ^b (%)	
Lottery	76.5	67.7	65.5	40.8
Instant scratch tickets	22.2	15.8	14.1	7.0
EGMs	21.1	12.9	20.9	11.1
Race betting	14.5	10.0	11.2	12.2
Sports betting	8.6	4.4	10.4	6.8
Keno	8.3	22.9	0.8	14.3
Casino table games	2.9	2.1	2.8	2.2
Bingo	2.8	1.2	1.2	1.0
Private betting	2.3	1.5	na	na
Poker	2.0	na	na	na
Any gambling	100.0	100.0	100.0	100.0

Table 7.2: Monthly participation rates in Australian gambling surveys

Notes: na – not available. ^a calculated from data presented in report. ^b Any monthly gambling participation. Sources: ACIL Allen Consulting et al., 2014; Davidson et al., 2016; Stevens, 2017.

Expenditure

Table 7.3 (page 59) shows mean participant past-year expenditure by activity, derived from the HILDA Survey and the Tasmanian and Australian Capital Territory (ACT) prevalence surveys. These were the only Australian surveys to provide mean gambling expenditure statistics at the time of writing. As would be expected, the HILDA Survey estimates, which reflect the mean expenditure of regular gamblers, are much higher than the estimates from these two studies, which reflect the mean expenditure of those who gambled at least once in the past year.

	HILDA (National) 2015	Tasmania 2013ª	ACT 2014ª
	\$	\$	\$
Lottery	695	448	337
Instant scratch tickets	248	94	72
EGMs	1,292	682	633
Race betting	1,308	1,186	309
Sports betting	1,032	551	200
Keno	425	286	na
Casino table games	1,369	395	225
Bingo	863	211	na
Any gambling	1,272	964	605

Table 7.3: Mean past-year gambling expenditure in Australian gambling surveys

Notes: na – not available. ^a Mean spend per gambler (any participation in past year). HILDA Survey values based on weighted data and capped expenditure. All values expressed in 2015 dollars.

Sources: ACIL Allen Consulting et al., 2014; Davidson et al., 2016.

Table 7.4 shows total past-year gambling expenditure statistics supplied by the Australian gambling industry (Queensland Government Statistician's Office 2016), alongside totals derived from the HILDA, Tasmanian and ACT self-report surveys.

The total expenditure figures reported by industry are much higher overall than the estimates derived from the self-report surveys. A contributing factor is that the industry figures reflect the *total past-year expenditure* of all gamblers in the respective jurisdictions including tourists, whereas the Tasmanian and ACT survey figures reflect the sum of resident gamblers' *typical expenditure in the past year*. The surveys therefore exclude amounts from non-residents as well as untypically high spend events or periods on each activity. The HILDA Survey figure is even further limited to the past-year expenditure of regular resident gamblers on activities that they spent money on in a *typical month*. The amount gambled using overseas operators is also unknown, further limiting comparisons between Australian industry and gambler expenditure.

At the activity level, all three survey-based expenditure estimates for lotteries and instant scratch tickets are much higher than the figures reported by industry, whereas the estimates for race betting, EGMs and casino table games are much lower. In the case of lotteries and instant scratch tickets, it is clear that people over-estimate their expenditure. In the case of race betting, EGMs and casino table games, the difference is likely explained by a combination of "untypical" or unplanned over-expenditure, the expenditure of infrequent gamblers, and underestimations of expenditure by survey participants.

	Industry 14/15	HILDA	Industry 12/13	TAS 13	Industry 13/14	ACT 14
Activity	\$M	\$M	\$M	\$M	\$M	\$M
Lottery	1,801	3,577	41.7	71.9	20.9	34.0
Instant scratch tickets	192.5	368	4.3	7.3	2.0	3.2
EGMsª	11,589	1,820	118.3	45.7	173.5	38.1
Race betting	2,815	1,265	41.1	47.2	23.4	16.4
Sports betting	815	579	1.9	8.4	-	4.2
Keno	330	226	30.4	27.6	0.7	0.4
Total gambling expenditure ^b	22,734	8,609	334.0	222.0	238.0	101.0

Table 7.4:Past year gambling expenditure reported in Australian gambling surveys and Australian GamblingStatistics industry survey

Notes: na – not available. HILDA values based on weighted data and capped expenditure. All values expressed in 2015 dollars. ^a Industry EGM expenditure data includes hotel and club but not casino expenditure. ^b Includes gambling activities not presented separately, such as casinos and bingo.

Sources: Queensland Government Statistician's Office, 2016; ACIL Allen Consulting et al., 2014; Davidson et al., 2016.

Gambling problems

Table 7.5 shows rates of gambling problems reported in recent Australian studies.

The HILDA Survey shows that 1.1% of Australian adults can be classified as problem gamblers. This is around twice the rate reported in most recent gambling studies. A major contributing factor is the HILDA Survey sampling frame. The HILDA Survey administers the PGSI to a population representative sample, whereas the gambling studies only administer it to people who gambled in the past year. The PGSI rates derived from the HILDA Survey therefore include people who may not have gambled in 2015, but nevertheless reported experiencing harms in 2015 associated with their prior gambling behaviour. For example, problem gambling in 2013 may have caused financial problems that stretched into 2015.

The HILDA Survey further shows that 2.1% of typical monthly gamblers could be classified as problem gamblers. This is around twice the rate among past-year gamblers reported in recent Australian surveys. This is because people with gambling problems participate more regularly than people without problems.

Table 7.5: Gambling problem rates in Australian gambling surveys

Report	HILDA	National ^a	National ^b	NSW°	Vic ^d	Qld ^e	SAf	Tas ^g	ACT ^h	NT ⁱ
Year of data collection	2015	2012/ 2013	2011	2011	2014	2011/ 2012	2012	2013	2014	2015
		Ро	pulation (%)	reporting	g gamblin	ıg probleı	ms in the	past yeaı		
Non-gambler & non-problem gambler	92.1	94.7	88.0	87.9	87.5	92.5	89.7	93.7	94.3	88.3
Low risk gambler	4.2	3.0	7.7	8.4	8.9	5.2	7.1	3.9	4.2	8.1
Moderate risk gambler	2.6	1.9	3.7	2.9	2.8	1.9	2.5	1.8	1.1	2.9
Problem gambler	1.1	0.4	0.6	0.8	0.8	0.5	0.6	0.5	0.4	0.7
				Gambl	ing popu	lation (%))			
Non-problem gambler	83.3 ^j	91.7	81.4	81.3	82.2	89.7	85.2	89.9	89.5	84.6
Low risk gambler	8.7 ^j	4.7	11.9	13.0	12.7	7.0	10.3	6.4	7.7	10.7
Moderate risk gambler	5.9 ^j	3.0	5.8	4.5	4.0	2.6	3.6	2.9	2.1	3.8
Problem gambler	2.1 ^j	0.6	1.0	1.2	1.2	0.7	0.9	0.8	0.8	0.9

Notes: Victoria, South Australia, and Queensland utilised a modified five response PGSI (Never=0, Rarely=1, Sometimes=1, Often=2, Always=3).

Sources: ^a Dowling et al., 2016; ^b Hing et al., 2014; ^c Sproston et al., 2012; ^d Hare, 2015; ^e Office of Economic and Statistical Research, 2012; ^f The Social Research Centre, 2013; ^g ACIL Allen Consulting et al., 2014; ^h Davidson et al., 2016; ⁱ Stevens et al., 2017; ^j Monthly gamblers only.

Appendix B: Supplementary tables

Table 8.1: HILDA sample size by gambling activity

Activity	Any expenditure on a typical month?	How much per month? (On average)
Lottery	4,293	4,263
Instant scratch tickets	1,243	1,231
Electronic gaming machines	1,250	1,243
Race betting	818	810
Sports betting	474	461
Keno	496	484
Casino table games	125	121
Bingo	164	159
Private betting	115	110
Poker	102	97
Any gambling	5,742	5,709
	·	

Notes: only participants aged 18 and over are included

Table 8.2: HILDA sample size by risk group

	HILDA Self-Completion Questionnaire respondents	Regular gamblers
Activity	Ν	Ν
Non-gambler &/or non-problem gambler	13,398	4,776
Low risk gambler	598	502
Moderate risk gambler	376	340
Problem gambler	157	115
Respondents	14,529	5,733

Notes: Only participants aged 18 and over are included

Appendix C: Variable definitions

Subpopulation categories	HILDA Survey variable	Definition
Sex	OHGSEX	Male or female
Age group	OHGAGE	Grouped into age categories reflecting life stages, Young adult 18-29, early-middle age 30-49, later middle age 50-64, Older adults 65+
Indigenous status	OANASTI	Not of Indigenous back ground or Indigenous (combined Aboriginal, Torres Strait Islander, and Aboriginal and Torres Strait Islander categories)
Region of birth ª	OANCOB	Grouped based on Australian Standard Classification of Countries into those born in Australia, Europe (North-west Europe and Southern and Eastern Europe), Asia (South-East Asia, North-East Asia, South and Central Asia), Other (Oceania and Antarctica excluding Australia, North Africa and the Middle East, Americas, Sub-Saharan Africa)
First language spoken	OANENGF, OANLOTE	Modified "Is English the first language you learned to speak as a child?" to code those reporting they did not speak a language other than English as "yes"
Highest education level	OEDHISTS, OEDHIGH1	Classified based on number of years of schooling completed and level of post-school education obtained. Categories reflect standard levels of education. Below year 10, Completed year 10/ junior secondary, completed year 12/senior secondary, certificate or diploma (cert. III or IV, adv. diploma or diploma), bachelors or higher
Employment	OHGES	Employed full-time (35+ hours per week), employed part-time (<35 hours per week) unemployed but looking for work, retired, non-working student, not employed and not looking for work (includes home duties)
Relationship status	OMRCMS	Considered married or in a de facto relationship if they reported being married or living with someone in a relationship, otherwise single
Household composition	Adapted from OHHTYPE	Single adult household (one adult aged 15 or more), Couple only household (2 persons aged 15+ who identify as a couple), household with children (one or more adults aged 15+ with one or more children aged less than 15) multiple adult household (2 or more persons aged 15+, excluding couple only households)
Housing tenure	OHSTENR, OHSMGPD	Own outright, own with a mortgage, rent (or pay board). A small number of participants reported other living arrangements (either living rent free or in rent-buy scheme). While these participants were included in calculating percentages their data is not presented due to small numbers
Remoteness	OHHSRA	Using ASGS 2011 Remoteness Area. Outer regional, remote and very remote combined due to low numbers
SEIFA quintile	OHHSAD10	Collapsed from SEIFA 2011 decile of index of relative socio- economic advantage/disadvantage
Equivalised disposable household income quintile	OHIFDITP, OHIFDITN	Total household disposable income was equivalised for household size using the "modified OECD" scale, the first adult in the household as having a weight of 1 point, each additional person who is 15 years or older allocated 0.5 points, and each child under the age of 15 allocated 0.3 points. Equivalised household disposable income was then divided into 5 categories of roughly equal size. (<\$29,500, \$29,500-41,499, \$41,500-53,999, \$54,000-73,499, \$73,500+)
Main source of household income	OHIFISI, OHIFNISI, OHIWSFEI, OHIBIFIP, OHIBIFIN, OHIFPPI, OHIFINIP, OHIFININ, OHIFWFLF	Main source of household income was determined by the largest contributor to total household income from either (a) salaries and wages, and business income; (b) government pensions, allowances or benefits (includes parenting payments and non-income support payments); or (c) superannuation, annuities or investments (including private pensions). A very small number of households received no income, or income from other sources. These were retained when calculating percentages but not presented due to small numbers

Subpopulation categories	HILDA Survey variable	Definition
Grocery spend	OHXYGRCI	Total household expenditure on groceries. Includes food, cleaning products, pet food and personal care products. Does not include alcohol or tobacco
Utility spend	OHXYUTLI	Total household expenditure on electricity bills, gas bills and other heating fuel such as firewood and heating oil. Does not include water, telephone or internet bills
Household income quintile	OHIFDITP, OHIFDITN	Total (unequivalised) disposable household income was divided into 5 roughly equal groups (<\$38,000, \$38,000-63,749, \$63,750-92,249, \$92,500-131,999, \$132,000+)
Problem Gambling Severity Index	OGAPROB OGAMORE OGALARGE OGAHEALT OGAGUIL OGAFIN OGACRIT OGABORR OGAANDAY	Responses to 9 individual items scored from 0 to 4 were summed and categorised as per standard PGSI thresholds, 0: non-problem gambler, 1–2: Low risk gambler, 3–7: Moderate risk gambler, 8 or above: Problem gambler. The PGSI was administered to all participants, and unless otherwise noted figures represent the total population, regardless of gambling expenditure.
Lottery participation	OGALOTU	Answered yes to expenditure on lotto or lottery games a typical month
Instant scratch tickets participation	OGASCRU	Answered yes to expenditure on instant scratch tickets in a typical month
Electronic gaming machines participation	OGAPMU	Answered yes to expenditure on poker machines or slot machines in a typical month
Race betting participation	OGABETHU	Answered yes to expenditure betting on horse or dog racing (excluding sweeps) in a typical month
Sports betting participation	OGABETSU	Answered yes to expenditure betting on sports tickets in a typical month
Keno participation	OGAKENU	Answered yes to expenditure on keno in a typical month
Casino table games participation	OGACASU	Answered yes to expenditure on casino table (e.g., blackjack, roulette) games in a typical month
Bingo participation	OGABINU	Answered yes to expenditure on bingo in a typical month
Private betting participation	OGAPBETU	Answered yes to expenditure on private betting (e.g., playing cards or mah-jong with friends and family) in a typical month
Poker participation	OGAPOKU	Answered yes to expenditure on poker in a typical month
Any gambling participation	OGALOTU, OGASCRU, OGAPMU, OGABETHU, OGABETSU, OGAKENU, OGACASU, OGABINU, OGAPBETU, OGAPOKU	Answered yes to expenditure on at least one of the above gambling activities in a typical month
Annual lottery spends	OGALOTA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Instant scratch tickets spend	OGASCRA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Electronic gaming machines spend	OGAPMA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Race betting spend	OGABETHA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Sports betting spend	OGABETSA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Keno spend	OGAKENA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique

Subpopulation categories	HILDA Survey variable	Definition
Casino table games spend	OGACASA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Bingo spend	OGABINA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Private betting spends	OGAPBETA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Poker spend	OGAPOKA	Average dollar spends per month multiplied by 12. Expenditure figures presented in this report have been capped at the top and bottom 1% using a Winsorising technique
Total gambling spends	OGALOTA, OGASCRA, OGAPMA, OGABETHA, OGABETSA, OGAKENA, OGACASA, OGABINA, OGAPBETA, OGAPOKA	Sum of all annual capped expenditure on gambling activities
% household income spends	OGALOTA, OGASCRA, OGAPMA, OGABETHA, OGABETSA, OGAKENA, OGACASA, OGABINA, OGAPBETA, OGAPOKA, OHIFDITP, OHIFDITN	Total capped annual gambling expenditure divided by household disposable income

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