

# ILLICIT DRUG REPORTING SYSTEM (IDRS) INTERVIEWS: BACKGROUND AND METHODS

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| Illicit Drug | Reporting | Sustem | 2019 |
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There is the potential for revisions to this report. Please refer to the online version at <a href="Drug">Drug</a> <a href="Trends">Trends</a>.

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# Glossary of Terms

| TERM                                 | DEFINTION   |
|--------------------------------------|---|
| Availability                         | Participants are asked how easy it is to obtain a certain drug  |
| Distributive sharing                 | Giving a needle or other injecting equipment to someone else to use after the individual has already used it  |
| Drug dealing                         | Sale of drugs for cash profit, where a person purchased drugs and on-sold them for a cash profit (more than the amount to cover personal use)   |
| Fraud                                | Acts involving fraud, including forging cheques, forging prescriptions, social security scams, using someone else's credit card   |
| Incarceration                        | An occasion where a person has been convicted of an offence and sentenced to jail (excluding remand)  |
| Injection                            | Injection (typically intravenous) of a substance  |
| Jurisdiction                         | State or territory  |
| Naloxone                             | Medication use to block the effects of an opioid in the event of an overdose  |
| Naloxone take-home training programs | Programs which train people (such as friends or family members) who might be present if the person overdoses, to use naloxone to resuscitate the person   |
| New psychoactive substances          | Substances which are sometimes referred to as research chemicals, analogues, legal highs, herbal highs, synthetic drugs, designer drugs or bath salts, and often mimic the effects of traditional illicit drugs |
| Non-prescribed use                   | Use of a prescribed medication obtained by a prescription in someone else's name  |
| Overdose                             | Experience of symptoms such as reduced level of consciousness, respiratory depression, turning blue, and collapsing, where professional assistance would have been helpful                                      |
| Over-the-counter                     | Availability of a medicine through a pharmacy without a doctor's prescription   |
| Penetrative sex                      | Penetration by penis or hand of the vagina or anus  |
| Point                                | 0.1 gram (although may also be used as a term referring to an amount for one injection)   |
| Prescribed use                       | Use of a prescribed medication obtained by a prescription in the person's name  |
| Property crime                       | Theft or destruction of someone else's property, including shoplifting, break and enter, stealing a car, receiving stolen goods   |
| Purity                               | Participants are asked 'how strong would you say *drug* is at the moment?'  |
| Receptive sharing                    | Use of a needle or other injecting equipment after someone else has already used it   |
| Re-use                               | Use of injecting equipment again by the same person   |

| TERM              | DEFINTION  |
|-------------------|--|
| Session           | A period of continuous use without sleeping  |
| Shelving/shafting | Use via insertion into vagina (shelving) or the rectum (shafting)  |
| Smoking           | Use of a substance via inhalation/vaping   |
| Snorting          | Use of a substance intranasally  |
| Use               | Use of a substance via any route of administration, including injecting, smoking, snorting/shelving/shafting, and/or swallowing          |
| Violent Crime     | Acts involving violence, including assault, violence in a robbery, armed robbery, sexual assault, breaking an apprehended violence order |

# Guide to Timeframes

| Lifetime use    | Use on one or more occasion in their lifetime                  |
|-----------------|--|
| Recent use      | Use on one or more occasion in the past six months             |
| 180 days of use | Use daily in the past six months                               |
| 90 days of use  | Use every second day in the past six months                    |
| 24 days of use  | Use weekly in the past six months                              |
| 12 days of use  | Use fortnightly (i.e., every two weeks) in the past six months |
| 6 days of use   | Use fortnightly (i.e., every two weeks) in the past six months |

# Background

The <u>Illicit Drug Reporting System (IDRS)</u> is a monitoring system identifying trends in illicit drug markets that has been conducted in all states and territories of Australia since 2000.

The IDRS is an ongoing project that has been conducted on an annual basis in NSW since 1996, and in all states and territories of Australia since 1999. The IDRS was established to provide a coordinated approach to the monitoring of the use of illicit drugs, in particular, heroin, amphetamine, cocaine and cannabis. In order to determine the appropriate method for a revised IDRS, a pilot was conducted in Sydney during 1996. As the purpose of the IDRS was to detect emerging trends in illicit drug use of potential national importance, data collection for the IDRS was restricted to capital cities. Capital cities contain the major drug markets (e.g. the Sydney suburbs of Cabramatta and Kings Cross) wherein the majority of drug use occurs. As such, it is in these cities that new trends, that may diffuse to other areas, are likely to emerge.

As a result of the successful pilot, the IDRS was expanded in 1997 to three states: NSW, South Australia and Victoria. In 2000, the complete IDRS was conducted in all jurisdictions for the first time. The IDRS has since been conducted annually across capital cities in Australia, funded by the Australian Government under the Drug and Alcohol program in 2018.

The IDRS monitors the price, purity and availability of heroin, methamphetamine, cocaine, cannabis and other drugs. It also examines trends in the use and harms of these drugs. It does this via analyses of data from interviews with people who regularly inject drugs, as well as other routinely collected indicator data sources. The IDRS is designed to be sensitive to emerging trends, providing data in a timely manner, rather than describing issues in extensive detail.

Although the IDRS is well able to monitor trends in established drug markets and document the emergence of drug use among people who regularly inject drugs, it cannot provide information on drug use and harms among all groups of people who use drugs. The <a href="Ecstasy">Ecstasy</a> and Related Drugs Reporting System (EDRS), which has been funded in every jurisdiction in Australia since 2003, has documented patterns and trends in use among people who regularly use ecstasy and other illicit stimulants, using the same methodology as the IDRS.

# Study Aims

The aims of the IDRS interview component are to:

- 1. Describe the characteristics of a sample of people who regularly inject drugs interviewed in each capital city of Australia;
- 2. Examine the patterns of drug use among this sample;
- 3. Document the current price, purity and availability of illicit drugs across Australia;
- 4. Examine participants' reports of drug-related harm, including physical, psychological, occupational, social and legal harms; and
- 5. Identify emerging trends in the illicit drug market that may require further investigation.

## Methods

Since 2000, the sentinel population chosen for interviews has consisted of people who report regularly injecting drugs. The IDRS is primarily concerned with four main drug classes: heroin, methamphetamine, cocaine and cannabis. It also monitors the use of pharmaceutical opioids and issues related to drug use, for example injection-related problems and overdose.

Each jurisdiction obtained ethics approval to conduct the study from the appropriate Ethics Committees in their jurisdiction.

In 2019, the Illicit Drug Reporting System (IDRS), falling within the <u>Drug Trends</u> program of work, was supported by funding from the Australian Government under the Drug and Alcohol Program.

#### Recruitment

The recruitment method is consistent over the period of monitoring. Participants are recruited through a purposive sampling strategy (Kerlinger, 1986), mostly through treatment agencies, needle and syringe programs (NSP) and 'snowball' procedures (Biernacki and Waldorf, 1981). 'Snowballing' is a means of sampling hidden populations which relies on peer referral, and is widely used to access illicit drug consumers both in Australian (Boys et al., 1997, Ovendon and Loxley, 1996, Solowij et al., 1992) and international (Solowij et al., 1992, Dalgarno and Shewan, 1996, Forsyth, 1996, Peters et al., 1997) studies. On completion of the interview, participants are asked if they would be willing to discuss the study with friends who might be willing and able to participate.

The IDRS focuses on the recruitment of participants who reside in the capital city of each jurisdiction, because, given that the purpose of the study is to monitor emerging trends, these are likely to emerge in the main illicit drug markets rather than in regional or rural areas. In larger sites such as Sydney and Melbourne, participants can be recruited from areas where there are higher rates of illicit drug use, rather than sampling from every metropolitan region.

Where possible, recruitment occurs through the same sites (i.e., treatment agencies and NSPs) each year as it is imperative that there is consistency in recruitment methods from year to year for comparison. In 2019, advertising in needle and syringe programs was the main method of recruitment (56%), followed by word-of-mouth (39%). This is consistent with previous years.

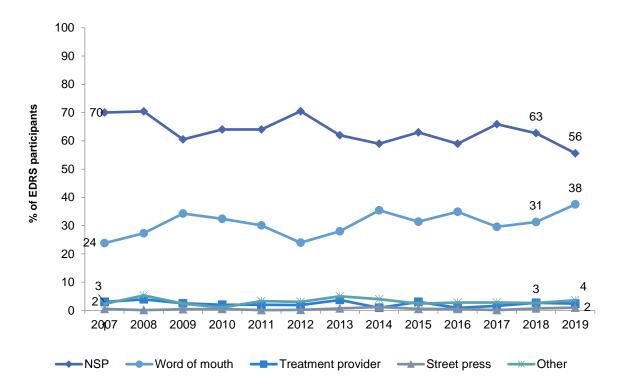


Figure 1: Recruitment method of EDRS participants over time, nationally, 2007-2019

#### Procedure

To be eligible to participate in the interview, participants need to:

- Be at least 17 years of age (due to ethical requirements);
- Have injected at least monthly during the six months preceding interview; and
- Have been a resident for at least 12 months in the capital city in which they were interviewed.

The study involves a face-to-face interview that takes approximately 45–60 minutes. Participants are interviewed in locations convenient to them, such as NSP, treatment agencies, public parks, coffee shops and hotels. Informed consent to participate is obtained prior to interview. All participants are assured that all information they provided will remain confidential and anonymous. In 2019, data were collected via REDCap (Research Electronic Data Capture) on laptops or tablets. All respondents are reimbursed \$40 for time and expenses incurred.

#### Measures

Participants are administered a structured interview schedule based on previous studies of people who use heroin and amphetamine (Darke et al., 1992, Darke, 1994). The interview focuses primarily on the preceding six months, and assesses various domains, including:

- demographic characteristics;
- patterns of drug use, including frequency and quantity of use and routes of administration:
- drug market characteristics (i.e., price, perceived purity and perceived availability of substances);
- risk behaviours (such as injecting risk behaviours, sexual risk behaviours);

- non-fatal overdose:
- mental and physical health;
- self-reported criminal activity; and
- general trends in drug markets, such as new drug types and new drug consumers.

#### Data cleaning and analysis

Participant responses are checked to ensure eligibility criteria are met; that responses are consistent across the interview; that valid responses are given to items where there are minimum and maximum possible values (e.g., frequency of use in last six months does not exceed 180 days); and that responses falling under 'other' are not more accurately captured under existing response options.

Unless indicated otherwise, data are analysed using the IBM SPSS Statistical Package for Windows, Version 24.0 (IBM, 2016) or Stata 15 (StataCorp, 2017). Percentages are calculated for categorical data (valid percent where data are missing); mean and standard deviation for continuous data; and median for skewed or count data. Between-group comparisons of categorical variables (e.g., percentage endorsing past six month use of cocaine in the 2017 and 2018 samples) are analysed using the *csti* command in Stata 15 (StataCorp, 2017). The Mann-Whitney U test is run to identify differences between 2018 and 2019 for count data. No corrections for multiple comparisons and risk of Type 1 error are made and thus comparisons should be treated with caution. Values where cell sizes are ≤5 are suppressed with corresponding notation (zero values are reported).

Nearly half of current participants report previous participation in IDRS interviews (43% reported previous participation in 2019; 4% 'don't know'). Participants can consent to the provision of a unique identifier but not all do so, meaning complete identification of repeat participation via this method is not possible, and thus analyses are typically conducted with the total sample. Responses from the repeat participants will likely be correlated over time. Analyses have shown that, when analysing the national sample, the impacts of excluding from the analysis subjects who self-report previous participation are minimal (Slade, 2011). Point-prevalence and effect estimation without correction for the lack of independence in observations is unlikely to seriously affect population inference (Agius et al., 2018).

## Sample size

The intended sample size for Sydney and Melbourne is 150 participants per year and 100 participants for all other capital cities, typically collected between April-July each year. Figure 1 and Table 1 overview national and jurisdictional sample sizes over the course of monitoring. In keeping with the aim of recruiting a sentinel population of similar profile each year, Table 2 displays the consistency in demographic profile of the sentinel sample recruited each year.

Figure 2: Recruitment of IDRS participants over time, nationally, 2000-2019

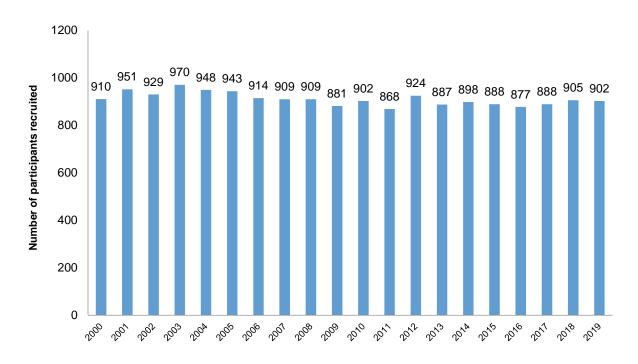


Table 1: Recruitment of IDRS participants over time, by jurisdiction, 2000-2019

| N    | NSW | ACT | VIC | TAS | SA  | WA  | NT  | QLD |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 2000 | 150 | 100 | 152 | 100 | 107 | 100 | 100 | 101 |
| 2001 | 163 | 100 | 151 | 100 | 100 | 100 | 135 | 102 |
| 2002 | 158 | 100 | 156 | 100 | 100 | 100 | 111 | 104 |
| 2003 | 154 | 100 | 152 | 100 | 120 | 100 | 109 | 135 |
| 2004 | 157 | 100 | 150 | 100 | 101 | 100 | 111 | 129 |
| 2005 | 154 | 125 | 150 | 100 | 101 | 100 | 107 | 106 |
| 2006 | 152 | 100 | 150 | 100 | 100 | 100 | 100 | 112 |
| 2007 | 153 | 101 | 150 | 100 | 100 | 80  | 106 | 119 |
| 2008 | 151 | 101 | 150 | 100 | 100 | 100 | 103 | 104 |
| 2009 | 152 | 100 | 150 | 100 | 100 | 100 | 99  | 80  |
| 2010 | 154 | 101 | 151 | 100 | 97  | 100 | 99  | 100 |
| 2011 | 150 | 98  | 150 | 100 | 100 | 70  | 98  | 102 |
| 2012 | 151 | 99  | 150 | 106 | 93  | 100 | 125 | 100 |
| 2013 | 151 | 100 | 150 | 107 | 100 | 88  | 91  | 100 |
| 2014 | 150 | 100 | 150 | 101 | 106 | 98  | 93  | 100 |
| 2015 | 150 | 100 | 150 | 100 | 102 | 89  | 98  | 98  |
| 2016 | 150 | 100 | 175 | 99  | 101 | 71  | 90  | 91  |
| 2017 | 151 | 100 | 152 | 100 | 100 | 73  | 109 | 103 |
| 2018 | 152 | 100 | 150 | 100 | 101 | 100 | 99  | 103 |
| 2019 | 151 | 100 | 148 | 99  | 100 | 96  | 99  | 109 |

Table 2: Demographic characteristics of the sample, nationally, 2000–2019

|  | 2000           | 2001           | 2002           | 2003           | 2004           | 2005          | 2006          | 2007           | 2008           | 2009           | 2010           | 2011       | 2012       | 2013       | 2014       | 2015         | 2016         | 2017         | 2018         | 2019         |
|--|----------------|----------------|----------------|----------------|----------------|---------------|---------------|----------------|----------------|----------------|----------------|------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|
|  | N=910          | N=951          | N=929          | N=970          | N=948          | N=943         | N=914         | N=909          | N=909          | N=881          | N=902          | N=868      | N=924      | N=887      | N=898      | N=888        | N=877        | N=888        | N=905        | N=902        |
| Mean age in years                              | 29             | 30             | 30             | 33             | 33             | 34            | 35            | 36             | 37             | 37             | 38             | 38         | 39         | 40         | 41         | 42           | 43           | 43           | 43           | 44           |
| (range)  | (14–           | (14–           | (15–           | (16–           | (16-           | (16–          | (16–          | (16–           | (17–           | (18–           | (18–           | (17–       | (17–       | (18–       | (18–       | (17–         | (19–         | (19-         | (17-         | (18-         |
|  | 64)            | 58)            | 57)            | 62)            | 56)            | 63)           | 63)           | 60)            | 62)            | 63)            | 64)            | 65)        | 71)        | 66)        | 67)        | 71)          | 72)          | 69)          | 71)          | 72)          |
| % Male   | 68             | 67             | 64             | 64             | 66             | 64            | 64            | 66             | 66             | 64             | 65             | 66         | 66         | 64         | 69         | 67           | 69           | 67           | 66           | 68           |
| % Aboriginal and/or Torres<br>Strait Islanders | 11             | 14             | 14             | 14             | 10^            | 12            | 13            | 15             | 11             | 11             | 14             | 14         | 16         | 17         | 16         | 20           | 17           | 19           | 19           | 22           |
| % Sexual identity                              |                |                |                |                |                |               |               |                |                |                |                |            |            |            |            |              |              |              |              |              |
| Heterosexual                                   | n.a.           | n.a.           | n.a.           | n.a.           | n.a.           | 86            | 86            | 87             | 89             | 88             | 88             | 87         | 90         | 89         | 90         | 92           | 89           | 87           | 88           | 87           |
| Gay male                                       | n.a.           | n.a.           | n.a.           | n.a.           | n.a.           | 2             | 2             | 2              | 1              | 3              | 2              | 2          | 1          | 2          | 1          | 1            | 2            | 2            | 1            |              |
| Lesbian  | n.a.           | n.a.           | n.a.           | n.a.           | n.a.           | 2             | 1             | 2              | 1              | 2              | 2              | 2          | 1          | 1          | 1          | 1            | 1            | 1            | 2            | 3            |
| Bisexual                                       | n.a.           | n.a.           | n.a.           | n.a.           | n.a.           | 9             | 9             | 7              | 8              | 7              | 7              | 8          | 7          | 7          | 7          | 5            | 7            | 9            | 8            | 8            |
| Other  | n.a.           | n.a.           | n.a.           | n.a.           | n.a.           | 1             | 2             | 2              | 1              | 1              | 1              | 1          | 1          | 2          | 1          | 1            | 1            | 2            | 1            | 1            |
| Mean years school education                    | 40.4           | 40.0           | 40.0           | 40.4           | 40.4           | 0.0           | 0.0           | 40.0           | 40.4           | 40.4           | 40.0           | 10         | 10         | 10         | 10         | 40           | 40           | 40           | 40           | 40           |
| (range)  | 10.4<br>(0–16) | 10.3<br>(0–14) | 10.3<br>(0–13) | 10.1<br>(1–13) | 10.1<br>(2–13) | 9.9<br>(0–12) | 9.9<br>(3–12) | 10.0<br>(0–12) | 10.1<br>(0–12) | 10.1<br>(3–13) | 10.0<br>(3–12) | (4–<br>12) | (0–<br>12) | (0–<br>12) | (2–<br>12) | 10<br>(0–12) | 10<br>(0–12) | 10<br>(0-12) | 10<br>(0-12) | 10<br>(1-12) |
| % Completed trade/technical qualification      | 31             | 37             | 37             | 49             | 37             | 36            | 39            | 36             | 40             | 43             | 37             | 40         | 43         | 40         | 46         | 48           | 47           | 41           | 44           | 47           |
| % Completed university/college                 | 12             | 9              | 10             | 10             | 10             | 11            | 9             | 11             | 12             | 9              | 9              | 12         | 10         | 9          | 9          | 9            | 9            | 11           | 9            | 11           |
| % Accommodation                                |                |                |                |                |                |               |               |                |                |                |                |            |            |            |            |              |              |              |              |              |
| Own home (inc. renting)                        | n.a.           | 56             | 63             | 67             | 62             | 69            | 69            | 65             | 67             | 70             | 61             | 65         | 69         | 68         | 72         | 74           | 69           | 69           | 69           | 70           |
| Parents'/family home                           | n.a.           | 15             | 14             | 11             | 11             | 11            | 9             | 10             | 10             | 8              | 8              | 9          | 8          | 8          | 8          | 7            | 6            | 6            | 8            | 6            |
| Boarding house/hostel                          | n.a.           | 8              | 8              | 10             | 14             | 11            | 11            | 11             | 11             | 10             | 9              | 11         | 12         | 9          | 7          | 7            | 8            | 7            | 7            | 6            |
| Shelter/refuge                                 | n.a.           | -              | -              | -              | -              | -             | -             | -              | -              | 2              | 2              | 1          | 2          | 1          | 1          | 2            | 2            | 2            | 2            | 2            |
| No fixed address                               | n.a.           | 9              | 7              | 6              | 8              | 6             | 6             | 11             | 9              | 8              | 10             | 10         | 8          | 12         | 11         | 8            | 13           | 15           | 14           | 9            |
| Other  | n.a.           | 12             | 8              | 6              | 5              | 3             | 5             | 4              | 3              | 2              | 10             | 4          | 2          | 4          | 1          | 3            | 3            | 1            | 1            | -            |
| % Unemployed/on a pension                      | 68             | 73             | 73             | 76             | 77             | 73            | 77            | 79             | 77             | 78             | 81             | 79         | 84         | 89         | 83         | 83           | 86           | 84           | 87           | 88           |
| % Prison history                               | 43             | 44             | 45             | 43             | 46             | 50            | 51            | 51             | 52             | 53             | 52             | 55         | 54         | 56         | 55         | 53           | 53           | 58           | 56           | 62           |
| % Currently in drug treatment                  | 34             | 36             | 37             | 40             | 46             | 48            | 44            | 43             | 47             | 45             | 47             | 49         | 44         | 47         | 47         | 47           | 43           | 43           | 41           | 41           |

Note. - data suppressed due to small cell size, i.e. ≤5 but not 0. ~ until 2019, participants were asked if they identify as gay male or lesbian; in 2019, participants were asked whether they identify as homosexual. ^ until 2019, participants were asked whether they had completed a trade/technical qualification or university/college; in 2019, participants were able to select either option or both. / not asked. ^ information not obtained in NSW.

## Limitations

There are various limitations to these data; key caveats are noted here.

As people who regularly use drugs are deliberately recruited for their ability to report on drug markets, findings from the IDRS interviews cannot provide information on general population levels of use or use by all people who inject drugs. For this same reason, findings from the IDRS interviews cannot be used to identify changes in the size of drug markets. The IDRS interviews cannot provide information about trends in places outside of the capital cities from which people who regularly inject drugs are recruited.

It also should be noted that participants are asked to report according to what they believed the substance was when they obtained it, and thus will not capture unwitting consumption of a different substance(s). Other possible limitations of retrospective self-report may apply (e.g., recall bias), although evidence suggests sufficient reliability and validity of self-report to provide descriptions of drug use and drug-related problems (Darke, 1998).

# Additional Outputs

There are a range of outputs from the IDRS triangulating key findings from the annual interview and other data sources, including <u>national reports</u>, <u>jurisdictional reports</u>, <u>bulletins</u>, and other resources available via the <u>Drug Trends webpage</u>. This includes results from the <u>Ecstasy and Related Drugs Reporting System (EDRS)</u>.

Please contact the research team at <a href="mailto:drugtrends@unsw.edu.au">drugtrends@unsw.edu.au</a> with any queries; to request additional analyses using these data; or to discuss the possibility of including items in future interviews.

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