SACENDU

South African Community Epidemiology Network on Drug Use

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RESEARCH BRIEF

Monitoring Alcohol, Tobacco and Other Drug Use Trends in South Africa (July 1996 – June 2023)

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Disclaimer: The information presented in this report are based on the data available at the time of publication.

All reasonable precautions have been taken by SACENDU to verify the information contained in this publication.

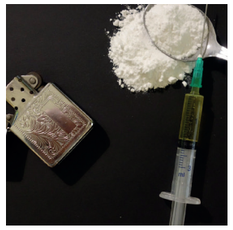
CONTENTS

TABLES AND FIGURES

BACKGROUND AND SUMMARY





The South African Community Epidemiology Network on Drug Use (SACENDU) report back meetings for Phase 54 were virtual and PowerPoint presentations were made available to all stakeholders of SACENDU. As mentioned in the previous brief, moving forward, we will use a hybrid approach, using both virtual and face-to-face reporting meetings.

Established in 1996, SACENDU is a network of researchers, practitioners and policy makers from various sentinel areas in South Africa. Up until June 2006, these sites comprised of Cape Town, Durban, Gqeberha (formally known as Port Elizabeth), East London (EL), Gauteng Province and Mpumalanga Province (MP). As some sites were beginning to also include data from other towns/cities (e.g., Durban included data from Pietermaritzburg), it was decided to begin reporting data by province. From the second half of 2006, data were also collected from treatment centres in the Free State, Northern Cape and North-West. For the purposes of this report, these three provinces have been combined into a regional group termed the "Central Region" (CR). Data were also collected from three centres in the Limpopo province, as well as seven centres from the Mpumalanga province. Since the dataset continues to be small and we are in the process of growing provincial coverage from these two provinces, it was decided to combine the data for analysis purposes, and we now refer to these two provinces as the "Northern Region" (NR). Thus, this report now refers to the following six sites: Western Cape (WC), KwaZulu-Natal (KZN), Eastern Cape (EC), Gauteng (GT), the Northern Region (NR) and the Central Region (CR). The goal to include data from all nine of South Africa's provinces in the SACENDU project has therefore been achieved, though there are still gaps in coverage at some sites. Membership to the SACENDU network is voluntary and recruitment of new centres and strengthening partnerships remains a key objective.

Since 2018, SACENDU has collected data from a range of organisations implementing community-based harm reduction services for people who use drugs (PWUD), including people who inject drugs (PWID). Services provided by these organisations and reported on in this Brief include data on HIV, STIs, viral hepatitis and TB prevention; testing and linkage to care; harm reduction behaviour change interventions; needle and syringe services; opioid substitution therapy (OST); monitoring of human rights violations and referral for other available substance use disorder treatment services. The data represented are from the following cities: Cape Town, Durban, Ekurhuleni, Ehlanzeni, Johannesburg, Sedibeng, Pietermaritzburg, Gqeberha, and Pretoria.

This report therefore comprises of data from **SPECIALIST SUBSTANCE USE DISORDER (SUD) TREATMENT CENTRES** as well as data from **COMMUNITY-BASED HARM REDUCTION AND HEALTH SERVICES CENTRES,** and the **SERVICE QUALITY MEASURES (SQM)** findings.

Members of SACENDU meet every six months to provide community-level public health surveillance of alcohol and other drug (AOD) use trends and associated consequences through the presentation and discussion of quantitative and qualitative research data. Through this initiative, SACENDU provides descriptive information on the nature and patterns of AOD treatment demand and harm reduction service uptake data that allows for the monitoring of emerging trends, risk factors associated with AOD use, characteristics of vulnerable populations, and consequences of AOD use in South Africa.

The SACENDU initiative has several specific objectives:

a) To identify changes in the nature and extent of AOD use and emerging problems.
b) To identify changes in overall consequences related to alcohol and other drug use.
c) To inform policy, planning and advocacy efforts at local and other levels.
d) To support networks of local role players in the substance use area.
e) To stimulate research in new or under-researched areas that is likely to provide useful data to inform policy and/or planning decisions.

Financial support for Phase 54 was provided by the Mental Health and Substance Use Directorate of the National Department of Health.

The first half of 2023 (i.e., 2023a) saw an increase in the number of persons admitted for AOD treatment from **10 170 across 79 treatment centres in 2022b (July to December 2022)** to **11 563 across 82 treatment centres in 2023a (January to June 2023).**

The current period saw an increase in **Alcohol**-related admissions for the CR (from 40% in 2022b to 43% in 2023a) and in KZN (from 29% in 2022b to 36% in 2023a). In GT, admissions for alcohol use dropped from 14% in 2022b to 12% in 2023a. Between 12% (GT) and 43% (CR) of persons accessing AOD treatment services reported alcohol as their primary substance of use. Admission rates for **Cannabis** remained relatively high for the current period. Between 23% (WC) and 36% (NR) of persons attending specialist treatment centres had **cannabis** as their primary substance of use.

Increases in cannabis use were seen for most regions, with the most notable increase reported for the CR (from 24% in 2022b to 28% in 2023a). Nationally, cannabis contributed 78% of all admissions among individuals 18 years and younger, similar to the previous review period. The WC remained the province where **Cannabis/ Mandrax** (Methaqualone) combination (also known as "white pipe") was most often used as a secondary substance (36%), decreasing slightly from 38% in the 2022b period. GT (16%) remained the province where cannabis/mandrax was the second most common secondary substance of use.

Crack/Cocaine-related treatment admissions have remained consistently low over the past few reporting periods, with the national rate unchanged at 3%. Regional rates varied between 1% [GT] and 11% [KZN]. Crack/cocaine was more often reported as a secondary substance of use in KZN (24%) and the NR (13%). Between 5% (EC, GT and CR) and 23% (KZN) of all persons admitted to treatment used crack/cocaine as a primary or secondary substance of use. Few persons 18 years and younger (3% nationally) were admitted for crack/cocaine-related problems.

Nationally, **Heroin/Opiates** comprised 17% of all admissions for the January to June 2023 period, remaining consistent with the previous two reporting periods. The most notable increase in heroin/opiate use were seen for the NR (38% in 2022b to 26% in 2023a) and KZN (19% in 2022b to 14% in 2023a). Across regions, heroin/opiates were mostly smoked (80%). In the EC, 33% of persons who had heroin/opiates as their primary substance of use reported injecting the drug. Rates for heroin/opiates as a primary or secondary substance of use ranged from 1% (EC) to 38% (NR) in the current reporting period. The average age (30 years) of individuals who have been admitted for heroin/opiate misuse has largely remained unchanged over the last four (4) reporting periods.

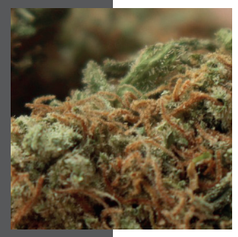
Treatment admissions for **Over the counter/Prescription-medicines (OTC/PRE)** as a primary drug of use was reported at 1% for most regions except the EC (4%), the CR and KZN (2% respectively). Admissions for OTC/PRE-medicines increased from 8% (2022b) to 2% (2023a) in KZN. Proportions for OTC/PRE-medicine use as primary or secondary substance ranged between 1% (NR) and 7% (KZN). During this reporting period, n=743 (6%) persons across all sites reported the non-medical use of codeine, decreasing from 9% in the preceding reporting period.

Treatment admission rates for **Methamphetamine** (MA aka 'TIK) as a primary substance of use were highest in the WC (31%) and GT (24%) compared to other regions. Most notably, MA-related admissions decreased from 18% (2022b) to 13% (2023a) in the CR. MA was reported as the third leading primary substance of use (6%) by persons 18 years and younger. The highest rates for MA as primary or secondary drug of use were reported for the WC (47%) and GT (34%). Treatment admissions for **Ecstasy** as a primary drug of use remained low (<1%); this has remained largely unchanged over the last few reporting periods. Individuals may not be seeking treatment for Ecstasy use, which explains low admission rates, however, anecdotal reports suggest extensive recreational use. **Methcathinone** (CAT/ KHAT) , an amphetamine-type stimulant, has effects similar to that of MA. Across regions, CAT/KHAT was reported as a primary substance of use by 4% of individuals admitted to treatment. Rates for CAT/KHAT as primary or secondary drug of use varied from 1% (WC) to 10% (GT).

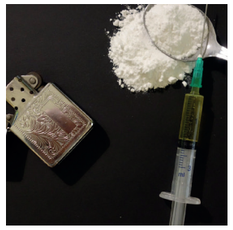
Inhalant/solvent use remained low at <1% across regions. Inhalant/solvent use was not reported for the KZN and WC. While rates were generally low, inhalant/ solvent use is common among the homeless and children who live on the streets. Adolescents who use inhalants represent a subgroup of troubled youth with distinct and multiple vulnerabilities who are more likely to engage in delinquency and experience mental health problems such as depression and suicidality. Additional community-based or regional studies are needed to explore the extent of inhalant/solvent use for youth, barriers to accessing specialist treatment services and other services available to support and help this vulnerable population.

Nationally, indication of **Poly-substance use** (i.e., more than one substance of use indicated) remained relatively unchanged at 50%; the WC (61%) contributed the highest proportion of individuals who engaged in poly-substance use.

METHODOLOGY





SACENDU utilises treatment admission data collected from treatment centres. These data are collected from approximately 86 specialist substance use treatment centres in South Africa, representing 70% of the available treatment sites in the country. The larger provinces such as the Gauteng and the Western Cape Province have more treatment centres compared to provinces such as the Eastern Cape. Table 1 below provides a description of these sentinel sites as well as the number of provinces that have treatment centres that provide opioid substitution or medically assisted therapies (MAT).

TABLE 1: DESCRIPTION OF TREATMENT CENTRE LOCATION IN SOUTH AFRICA

Sentinel site	Description and Location	Urban/Rural	Number of treatment centres*	Number of centres offering MAT
Gauteng	Smallest province situated in the north-eastern part of South Africa	Highly populated, urbanised, and economic hub of the country	20	3
KwaZulu-Natal	Coastal province located in the south-eastern part of South Africa.	Second most populous, mountainous province running along the shoreline of the Indian ocean.	14	2
Western Cape	Situated on the south-western coast of South Africa	Highly urbanised and the third most populous province in the country	29	1
Eastern Cape	Second largest province by size, but poorest. Located on the south-eastern part of the country, and is bordered by the Western Cape, Northern Cape, Free State and KwaZulu-Natal provinces	Largely rural	9	0
Northern Region	Is comprised of two provinces, Mpumalanga and Limpopo provinces, both located in the north-eastern part of South Africa and share borders with Swaziland, Botswana, Zimbabwe and Mozambique. These provinces were combined into the Northern Region due to the few number of treatment centres found in these provinces	Mostly semi-urban	8	0
Central Region	Comprises three provinces, Free State (located in the centre/heart of the country), Northern Cape (largest province but sparsely populated), and the North-West (north-central part of the country). The Central Region is characterised by the livestock farming, agriculture, and mining industries. These provinces were grouped together due to a few number of treatment centres found in these locations.	Largely rural	6	0

*The number of treatment centres contributing data to the system fluctuate across reporting periods.

Treatment centres are invited to join the network and provide data related to their treatment admissions for each reporting period (current period January to June 2023). For admission to a specialist treatment centre, patients are required to meet diagnostic criteria (DSM-V/ICD 10) for a substance use disorder (APA, 2013). Participating treatment centres in the SACENDU network complete a standardized two-page form for each patient enrolled into their facility. The form consists of 22 forced-choice questions collecting demographic treatment and substance use information on each patient. The SACENDU data collection form is completed by designated facility personnel once the patient has been enrolled into the treatment programme. Forms for each participating treatment centre are collated every six-months and sent to the South African Medical Research Council (SAMRC) for collation, analysis and reporting. Forms and electronic data received from specialist facilities are checked for possible miscodes and missing information and is subjected to a rigorous process of verification and correction before the data analysis process takes place. Data from each facility are aggregated to allow for provincial and regional trends on the number of substance abuse treatment episodes to be reported. As the SACENDU data is based on episodes of care, individuals may be represented more than once in the dataset (if they receive more than one treatment episode in a year).

SECTION 1: DATA FROM SPECIALIST SUD TREATMENT CENTRES

SITE SUMMARIES – PRIMARY SUBSTANCE OF USE BY PROVINCE

In the **Western Cape (WC)** the most common primary substances of use reported by 24 specialist treatment centres/programmes were largely consistent over the last three (3) reporting periods: MA (31%), cannabis (23%), alcohol (18%) and heroin/opiates (17%), (Table 2). Collectively, these substances contributed 89% of all treatment admissions for the January to June 2023 period. The proportion of heroin-related admissions decreased from 19% to 17%. Overall, 1 684 persons were treated in the WC in the first half of 2023.

In **KwaZulu-Natal (KZN)** the main primary substance of use in the current reporting period remained alcohol, increasing from 29% to 35% in the January to June 2023 period, followed by cannabis (28%), and heroin/opiates decreasing from 19% to 14% in the same period. Admissions for OTC/PRE-medication misuse decreased from 8% in the previous period to 2% in the current review period. A total of 1 061 persons were treated across the 11 treatment centres that submitted data in the first half of 2023.

In the **Eastern Cape (EC)** the main primary substances of use reported by treatment centres from January to June 2023 were alcohol (34%), followed by cannabis (29%), and MA (23%), (**Table 2**). OTC/PRE misuse increased from 1% (2022b) to 4% (2023a). A total of n=246 persons were treated across 5 facilities.

In **Gauteng (GT),** which includes the metropolitan areas of Johannesburg and Pretoria, 7 549 admissions across 26 treatment centres were recorded in the first semester of 2023. The three main primary substances of use remained the same over the last two reporting periods: cannabis (34%), MA (24%) and heroin/opiates (17%) (**Table 2**). An increase was seen for cannabis (32% to 34%) over the last two reporting periods (**Table 2**).

The **Northern Region (NR)** includes data from 11 centres (8 in Mpumalanga and 3 in Limpopo). A total of 772 admissions were recorded for the 2023a review period. The three leading primary substances of use reported by individuals admitted to treatment were heroin/opiates (26%), alcohol (18%) and crack/cocaine (7%) (**Table 2**). Admissions for heroin/opiates misuse decreased from 38% (2022b) to 26% (2023a). In contrast, cannabis increased from 32% to 36% (**Table 2**).

In the **Central Region (CR)** (comprising the Free State, Northern Cape and the North-West), 247 admissions were recorded across five (5) treatment centres for the January to June 2023 period. Alcohol was the most common primary substance of use, accounting for 43% of all admissions for the current review period. This was followed by cannabis (28%) and MA (13%). MA decreased from 19% to 13% while cannabis increased from 24% to 28% over the last period (**Table 2**). Availability of specialist treatment for substance misuse remains inadequate in this region.

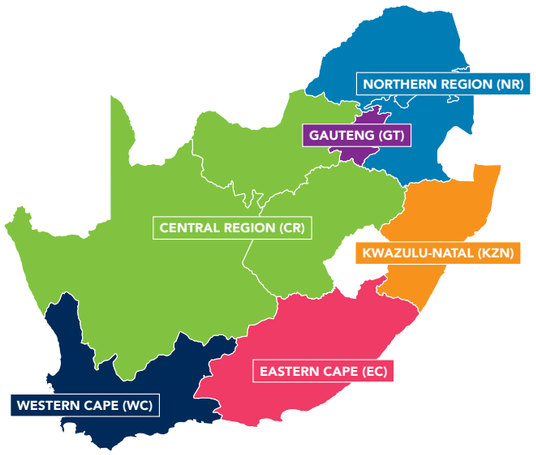


TABLE 2: PRIMARY SUBSTANCE OF USE: BY SITE AND 6-MONTH PERIOD (%)

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Crack/ Cocaine	Heroin	Ecstasy	OTC/*PRE	Meth**	Other	Total (N)
WC[1]	2006a	30.2	7.7	3.3	6.0	13.5	0.1	1.4	37.2	0.7	2660
	2006b	26.4	10.5	2.9	4.8	10.2	0.1	1.6	42.3	0.8	2798
	2007a	29.5	10.4	2.7	3.9	10.6	0.2	1.1	40.7	0.9	2862
	2007b	29.7	12.6	3.0	4.2	12.8	0.1	1.2	36.1	0.5	3058
	2008a	30.0	11.2	2.5	5.0	13.2	0.3	1.4	35.8	0.0	2637
	2008b	27.6	13.6	2.7	5.6	2.8	0.1	1.2	35.1	1.2	2807
	2009a	26.8	13.9	1.0	2.8	10.9	0.1	1.0	40.6	0.0	3667
	2009b	29.4	16.7	2.7	2.3	12.0	0.0	0.8	35.5	0.0	2642
	2010a	29.8	15.6	3.9	1.9	13.0	0.2	0.1	33.6	0.0	3134
	2010b	27.5	18.2	3.2	1.9	11.6	0.0	1.2	35.1	1.2	2933
	2011a	27.5	18.3	2.9	1.8	13.0	0.0	0.4	35.3	0.8	2927
	2011b	23.7	14.5	2.4	2.2	17.0	0.0	0.5	38.8	0.9	2733
	2012a	23.6	20.4	2.9	1.7	15.6	0.1	0.7	33.7	0.3	3912
	2012b	22.2	22.4	3.8	1.4	15.1	0.2	0.4	33.3	1.2	3178
	2013a	20.2	20.5	3.1	1.5	16.8	0.2	1.4	27.8	8.2	3717
	2013b	21.2	25.0	2.5	1.6	13.0	0.1	1.0	33.4	1.9	3478
	2014a	19.9	21.7	4.3	1.2	18.5	0.1	0.6	32.7	1.1	3510
	2014b	22.0	23.4	4.5	1.5	12.7	0.1	0.6	34.9	0.3	3444
	2015a	21.3	22.1	4.4	1.3	14.2	0.0	0.4	35.4	0.8	3524
	2015b	19.9	24.9	5.3	1.2	10.7	0.0	0.5	36.7	0.8	2674
	2016a	22.0	28.2	4.5	1.4	10.8	0.0	0.8	31.7	0.6	2977
	2016b	20.6	28.7	6.1	1.3	12.8	0.0	0.9	28.9	0.7	2808
	2017a	26.4	28.7	5.4	1.2	10.3	0.0	0.4	26.8	0.7	2902
	2017b	23.6	22.0	6.7	2.2	13.7	0.1	0.7	30.2	0.8	2541
	2018a	24.0	25.9	6.4	2.2	12.5	0.1	1.0	26.8	0.7	3182
	2018b	19.8	30.5	6.4	2.3	11.4	0.0	1.1	27.6	0.3	2719
	2019a	17.8	26.0	6.4	1.9	16.4	0.0	0.9	29.4	1.2	3013
	2019b	19.2	25.4	6.4	2.7	14.2	0.1	1.0	29.9	1.0	2654
	2020a	10.9	14.9	8.2	1.6	18.2	0.1	1.5	43.8	3.5	1323
	2020b	16.8	16.7	7.2	3.3	14.1	0.1	1.1	40.1	0.6	1890
	2021a	18.2	23.6	7.5	2.5	11.3	0.1	1.5	34.7	0.3	2433
	2021b	20.0	26.7	5.6	2.1	9.1	0.0	1.4	34.8	0.2	2195
	2022a	18.9	27.5	5.6	1.9	12.5	0.1	1.1	32.2	0.2	2265
	2022b	17.6	22.4	6.1	1.9	17.8	0.1	0.7	32.7	0.2	1928
	2023a	**18.5**	**23.2**	**6.4**	**2.4**	**16.6**	**0.0**	**1.2**	**31.0**	**0.5**	**1483**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Crack/ Cocaine	Heroin	Ecstasy	OTC/*PRE	Meth**	Other	Total (N)
KZN[2]	2006a	60.4	22.5	1.0	6.8	2.1	1.0	5.2	0.2	1.0	485
	2006b	54.0	18.5	0.9	10.5	9.1	0.3	3.4	0.2	3.4	921
	2007a	49.8	20.5	1.2	9.0	15.9	0.5	2.2	0.0	0.9	1232
	2007b	38.8	17.4	0.4	8.6	31.6	1.0	1.5	0.0	0.7	943
	2008a	49.5	19.8	0.4	5.6	22.6	0.1	0.6	0.1	0.7	1531
	2008b	47.6	16.4	0.9	6.2	24.3	0.2	0.5	0.0	3.7	1537
	2009a	41.1	20.3	0.5	6.9	29.5	0.1	1.1	0.0	0.0	1575
	2009b	46.7	28.4	0.5	6.2	17.0	0.1	0.6	0.1	0.0	1138
	2010a	55.4	32.8	1.9	3.6	4.6	0.4	0.4	0.3	0.0	1009
	2010b	55.3	25.6	2.1	5.8	8.5	0.4	1.8	0.1	0.3	669
	2011a	62.9	17.1	1.3	6.7	10.0	0.0	1.1	0.0	0.9	720
	2011b	67.0	16.2	2.5	5.4	6.1	0.3	0.3	0.5	1.7	610
	2012a	64.9	18.8	1.2	6.3	4.4	0.7	1.2	0.0	2.5	569
	2012b	51.0	24.6	1.4	4.1	6.2	0.0	0.6	0.5	11.7	813
	2013a	51.1	31.5	0.6	6.1	6.1	0.6	1.1	0.3	2.6	934
	2013b	52.0	30.2	2.5	4.9	5.2	1.1	0.8	0.3	2.8	610
	2014a	42.4	36.0	3.9	2.1	10.1	0.4	1.2	0.8	3.1	484
	2014b	35.5	40.0	4.8	5.9	7.6	0.4	1.2	0.1	4.3	929
	2015a	38.2	38.9	6.2	3.5	4.7	0.3	1.2	0.4	6.5	1122
	2015b	37.2	33.8	5.5	5.2	6.6	0.4	0.9	1.1	9.3	1171
	2016a	29.4	39.3	3.0	4.7	14.6	0.8	1.5	0.6	6.1	1247
	2016b	36.8	34.3	1.3	4.3	10.3	0.5	1.1	0.7	10.7	1177
	2017a	33.6	32.1	3.3	6.2	9.9	0.4	1.0	0.9	12.4	1370
	2017b	36.9	28.8	2.5	5.9	9.9	0.3	2.2	0.9	12.6	1400
	2018a	28.9	28.5	2.6	6.7	27.7	0.2	2.1	0.9	20.5	1256
	2018b	29.2	29.0	2.4	7.7	26.2	0.5	2.1	0.9	19.0	993
	2019a	12.7	39.6	2.1	3.7	30.1	0.2	2.9	3.9	1.2	1291
	2019b	14.4	34.5	2.2	5.4	26.5	0.3	2.9	9.3	4.4	980
	2020a	14.3	34.9	2.1	6.0	25.5	0.5	3.0	8.5	5.1	565
	2020b	33.8	26.2	1.7	13.5	19.6	0.3	3.7	0.7	0.0	726
	2021a	32.8	23.1	1.7	13.3	22.9	0.3	2.5	2.0	1.3	723
	2021b	12.2	33.0	1.0	12.4	28.7	0.2	3.1	8.2	0.3	1146
	2022a	31.0	28.3	1.3	10.4	20.7	0.1	3.2	2.8	1.5	1144
	2022b	29.4	27.6	3.9	8.3	19.2	0.0	7.9	1.7	1.0	1279
	2023a	**35.5**	**27.7**	**2.1**	**11.1**	**14.4**	**0.3**	**2.5**	**2.9**	**2.5**	**1054**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Crack/ Cocaine	Heroin	Ecstasy	OTC/*PRE	Meth**	Other	Total (N)
EC[3]	2006a	40.7	14.4	7.9	21.4	8.1	1.2	2.6	3.5	0.2	1215
	2007a	51.8	18.3	8.6	14.2	1.1	0.3	3.8	1.4	0.5	759
	2007b	39.0	15.6	9.2	22.9	5.4	0.5	2.8	4.3	0.3	608
	2008a	44.3	15.8	3.6	20.1	6.0	0.4	6.5	5.0	0.5	551
	2008b	44.0	16.8	9.3	12.4	5.6	0.0	5.1	5.4	1.5	612
	2009a	52.0	17.7	8.5	7.8	2.7	0.1	7.0	3.7	0.0	1206
	2009b	49.7	15.9	5.6	7.4	3.5	0.0	9.3	7.4	0.0	648
	2010a	44.1	19.2	7.8	6.4	3.1	0.2	12.3	6.3	0.0	877
	2010b	44.1	18.0	5.7	7.1	5.2	0.0	9.9	9.2	0.8	707
	2011a	48.5	15.6	3.6	5.8	2.9	0.1	11.3	12.0	0.0	723
	2011b	40.4	16.1	5.0	4.0	2.6	0.3	11.5	18.4	1.7	721
	2012a	41.6	15.8	4.4	5.8	1.3	0.1	12.1	18.4	0.5	793
	2012b	37.7	24.4	6.3	7.3	2.8	0.0	2.2	15.8	3.5	316
	2013a	36.6	11.9	4.8	5.6	1.9	0.0	18.9	19.4	0.9	587
	2013b	39.5	12.9	6.6	4.7	2.3	0.0	16.5	16.9	0.6	527
	2014a	32.6	19.9	3.4	6.0	1.5	0.0	17.5	17.9	1.1	613
	2014b	35.4	21.6	7.4	5.3	1.2	0.0	11.0	16.3	1.8	663
	2015a	28.7	27.0	12.1	5.5	3.9	0.6	4.1	15.2	3.0	363
	2015b	24.0	31.2	10.4	3.4	2.3	0.0	1.3	25.3	1.9	471
	2016a	30.1	22.4	5.8	5.8	2.4	0.0	7.2	22.9	3.4	638
	2016b	38.5	23.8	8.0	2.6	2.0	0.0	5.6	15.5	3.9	537
	2017a	45.2	17.6	6.8	5.5	3.1	0.0	3.8	16.2	1.9	425
	2017b	34.0	23.5	9.7	4.3	2.1	0.0	3.3	20.0	3.1	515
	2018a	35.0	20.9	6.9	2.9	2.7	0.2	4.6	24.3	3.1	517
	2018b	33.8	21.8	6.0	3.1	2.4	0.2	4.2	25.8	3.6	450
	2019b	26.3	22.9	3.2	3.4	18.3	0.0	3.8	20.8	1.3	475
	2019b	37.5	22.3	4.2	2.3	1.5	0.0	4.5	26.2	1.5	336
	2020a	21.4	29.8	1.4	3.3	13.5	0.0	3.7	16.7	5.1	215
	2020b	21.4	26.3	5.1	4.7	1.8	0.0	2.0	37.3	1.3	448
	2021a	26.7	22.0	5.2	4.1	2.3	0.0	2.6	36.3	0.6	386
	2021b	27.7	24.6	3.7	3.9	0.8	0.0	1.0	38.0	0.0	487
	2022a	23.2	25.6	8.1	6.2	2.2	0.0	1.3	31.1	2.2	371
	2022b	36.1	27.0	4.6	5.3	0.4	0.0	1.1	25.1	0.0	313
	2023a	**34.0**	**28.6**	**2.9**	**3.3**	**1.2**	**0.0**	**5.2**	**23.2**	**0.4**	**241**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Crack/ Cocaine	Heroin	Ecstasy	OTC/*PRE	Meth**	Other	Total (N)
GT	2006a	47.5	20.5	3.0	11.1	7.8	0.4	3.2	0.3	3.2	3119
	2006b	47.2	21.5	1.4	10.7	9.7	0.2	2.7	0.2	5.9	3295
	2007a	45.9	20.8	1.4	13.0	10.6	0.3	3.7	0.4	4.4	3251
	2007b	47.0	19.3	1.6	14.2	9.6	0.2	3.6	0.4	4.1	3053
	2008a	47.0	22.4	1.7	13.3	8.1	0.2	4.0	0.7	2.5	2768
	2008b	48.4	22.4	2.0	8.8	6.4	0.3	3.5	0.3	7.9	3158
	2009a	45.0	28.2	2.2	6.7	6.7	0.5	3.2	1.0	0.0	2822
	2009b	47.0	27.5	1.7	4.9	11.9	0.2	2.6	0.5	0.0	2646
	2010a	44.4	27.0	2.5	6.1	12.1	0.3	3.6	1.2	0.0	2684
	2010b	41.3	28.4	1.6	6.3	12.4	0.2	3.0	1.0	5.7	2884
	2011a	37.8	24.9	1.3	7.3	16.0	0.1	4.0	1.7	6.8	2972
	2011b	35.9	27.6	1.7	6.2	12.7	0.6	3.5	1.4	10.4	2786
	2012a	34.3	28.5	0.7	6.0	14.9	0.2	2.4	2.4	10.8	3198
	2012b	27.8	25.9	0.7	4.3	9.6	0.0	1.8	2.5	23.5	3552
	2013a	26.9	39.7	0.9	3.3	11.8	0.2	1.3	2.6	13.4	4026
	2013b	24.6	36.7	1.6	3.8	12.9	0.2	1.3	2.7	16.2	3128
	2014a	18.8	41.6	2.1	2.6	11.5	0.3	1.1	3.9	9.8	3478
	2014b	19.9	35.5	1.6	4.0	13.5	0.3	1.2	3.3	20.7	3372
	2015a	20.0	37.7	2.7	3.8	12.3	0.2	0.9	4.0	6.1	3570
	2016a	17.9	37.7	3.9	4.9	11.8	0.2	1.7	5.1	16.8	3989
	2016b	21.8	35.7	1.9	2.4	13.0	0.2	1.2	6.3	17.5	2948
	2017a	17.3	45.7	1.7	2.2	13.1	0.1	1.5	5.5	12.8	3870
	2017b	17.3	41.2	2.3	2.6	14.0	0.1	1.3	6.3	14.8	3414
	2018a	15.5	32.5	2.2	2.3	30.5	0.2	1.3	5.9	18.6	2734
	2018b	13.9	36.4	1.9	2.7	27.3	0.1	1.2	8.0	18.0	2937
	2019a	18.1	32.4	3.0	3.2	25.9	0.1	2.3	8.9	5.9	3148
	2019b	11.6	29.7	2.8	3.0	36.3	0.2	0.7	11.2	4.4	4226
	2020a	11.4	33.7	2.3	2.7	32.5	0.0	1.5	9.9	7.0	3279
	2020b	8.2	26.5	3.7	2.5	33.8	0.3	0.9	14.9	8.9	5059
	2021a	9.4	27.3	2.9	3.5	29.4	0.3	2.6	17.3	8.9	6226
	2021b	13.2	31.8	2.2	1.3	21.5	0.1	0.8	20.9	1.0	9701
	2022a	11.4	33.7	2.5	2.1	18.4	0.0	0.9	22.2	2.6	6665
	2022b	13.6	32.3	2.9	1.7	15.9	0.0	1.1	25.1	0.3	5504
	2023a	**12.0**	**33.8**	**3.1**	**1.7**	**16.7**	**0.1**	**0.9**	**24.0**	**1.3**	**7482**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Crack/ Cocaine	Heroin	Ecstasy	OTC/*PRE	Meth**	Other	Total (N)
NR[4]	2006a	54.5	24.6	0.0	6.8	10.2	0.6	2.2	0.0	1.2	501
	2006b	47.3	34.1	0.4	4.6	9.6	0.2	2.4	0.0	1.3	539
	2007a	43.7	36.5	0.8	4.5	11.5	0.3	1.3	0.0	1.3	600
	2007b	43.3	38.4	0.0	7.8	6.8	0.2	1.4	0.4	0.7	602
	2008a	34.6	50.2	0. 6	4.8	7.5	0.0	1.5	0.0	0.7	667
	2008b	34.3	44.9	0.3	5.2	8.6	0.3	2.3	0.0	4.1	729
	2009a	37.8	45.2	0.6	4.2	8.3	0.5	0.9	0.2	0.0	809
	2009b	37.6	43.9	0.3	4.1	11.2	0.3	1.5	0.0	1.1	652
	2010a	35.7	37.0	0.3	3.4	20.0	0.0	1.2	0.0	0.0	762
	2010b	31.4	40.7	0.4	4.0	20.2	0.1	1.3	0.0	1.8	669
	2011a	30.4	36.1	0.0	2.2	28.3	0.0	0.3	0.3	2.5	693
	2011b	26.5	36.4	0.4	4.1	22.2	0.1	1.8	2.1	6.4	892
	2012a	31.6	38.5	0.5	3.5	16.2	0.0	1.7	1.4	6.7	655
	2012b	24.1	32.8	0.6	3.9	21.8	0.1	1.0	0.6	15.2	818
	2013a	22.3	37.9	1.1	3.0	28.6	0.1	2.4	0.4	4.1	941
	2013b	22.8	45.6	0.4	1.7	22.8	0.0	0.8	1.0	4.8	959
	2014a	15.9	50.4	1.2	2.8	22.9	0.1	0.7	0.4	5.6	1004
	2014b	18.2	41.7	0.4	1.8	26.3	0.1	0.5	0.6	10.4	1134
	2015a	16.7	37.1	1.0	2.1	30.1	0.0	0.2	0.6	12.2	1076
	2015b	16.1	37.1	4.2	1.8	28.4	0.0	0.6	0.8	10.7	1247
	2016a	17.0	39.0	3.8	2.1	25.8	0.1	0.7	0.9	10.6	1026
	2016b	18.0	34.1	0.9	2.3	36.4	0.0	0.4	0.6	7.3	929
	2017a	14.6	45.5	0.9	5.3	28.3	0.1	0.3	0.6	4.2	1122
	2017b	15.7	41.9	0.3	3.9	27.3	0.0	0.6	1.6	8.7	1269
	2018a	14.5	39.2	1.8	2.7	30.8	0.0	1.0	9.3	16.5	1372
	2018b	17.3	38.3	0.5	2.1	33.7	0.1	0.9	2.1	16.2	1171
	2019a	16.7	36.3	3.4	4.1	23.5	0.2	1.4	9.1	5.4	1025
	2019b	15.3	40.2	0.3	3.3	32.8	0.1	0.8	3.7	1.3	1423
	2020a	15.1	31.1	2.5	4.7	28.3	0.1	1.8	9.1	7.3	768
	2020b	14.7	32.8	0.4	2.6	40.1	0.0	1.1	5.4	2.9	1024
	2021a	13.6	36.8	0.6	2.6	37.2	0.2	0.7	5.6	2.5	958
	2021b	19.3	30.8	0.1	11.7	28.8	0.2	0.0	3.9	0.1	1657
	2022a	14.8	40.3	0.2	5.2	28.1	0.0	0.7	7.9	0.9	1165
	2022b	14.7	32.7	0.1	6.0	38.0	0.1	0.7	5.6	0.2	854
	2023a	**18.4**	**36.3**	**1.7**	**7.1**	**25.5**	**0.0**	**0.8**	**5.7**	**3.0**	**772**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Crack/ Cocaine	Heroin	Ecstasy	OTC/*PRE	Meth**	Other	Total (N)
CR[5]	2008b	67.0	11.9	0.3	6.3	0.3	0.5	3.9	0.0	9.7	636
	2009a	70.0	14.6	0.1	4.2	2.1	0.3	3.3	0.7	0.0	577
	2009b	68.6	20.0	1.0	2.9	1.0	0.0	2.9	0.0	0.0	491
	2010a	64.6	20.2	1.9	5.8	1.4	0.0	3.1	0.3	0.0	642
	2010b	66.2	19.3	1.3	4.0	2.6	0.0	2.2	0.9	3.5	545
	2011a	70.4	14.3	1.5	4.8	1.1	0.4	2.6	1.1	3.7	538
	2011b	58.7	20.9	2.0	5.8	2.2	0.0	2.9	2.2	5.3	549
	2012a	55.4	25.2	2.3	2.5	1.2	0.0	1.9	3.4	8.2	932
	2012b	54.5	19.8	1.6	5.7	2.2	0.0	1.4	2.0	12.7	495
	2013a	50.8	25.8	2.1	5.5	3.4	0.2	1.9	2.3	7.8	472
	2013b	46.9	32.6	2.7	3.9	2.4	0.0	1.0	2.9	4.1	414
	2014a	42.6	33.0	5.3	4.3	2.6	0.2	0.6	4.0	7.4	530
	2014b	39.2	30.7	4.7	2.1	5.5	0.2	1.1	4.1	12.4	655
	2015a	42.2	30.2	4.1	2.5	5.5	0.0	1.6	5.1	8.8	566
	2015b	42.1	24.4	5.5	4.2	5.5	0.4	0.9	7.7	9.3	546
	2016a	49.8	27.8	4.2	2.3	1.5	0.3	1.1	4.4	8.7	663
	2016b	47.2	26.8	4.1	4.6	2.1	0.0	0.3	0.3	10.8	388
	2017a	43.3	29.2	5.6	5.9	2.5	0.0	1.4	4.8	7.3	356
	2017b	45.4	30.6	4.9	3.1	2.9	0.0	1.4	6.3	5.4	350
	2018a	34.7	37.4	7.2	2.9	2.1	0.2	4.6	24.4	4.8	334
	2018b	38.4	24.1	6.0	4.2	7.4	0.0	0.9	11.1	7.9	216
	2019a	17.4	38.9	3.2	2.9	26.6	0.0	0.3	7.3	3.5	316
	2019b	38.6	35.9	2.7	2.7	4.8	0.0	2.1	11.6	1.6	189
	2020a	16.8	31.1	2.9	5.4	25.7	0.0	1.2	8.9	7.8	167
	2020b	24.7	28.7	6.1	5.7	12.6	0.0	1.6	15.8	4.9	247
	2021a	29.7	23.6	3.8	4.7	7.1	0.0	1.4	26.4	3.3	212
	2021b	27.9	37.8	2.8	4.6	4.4	0.0	2.4	15.4	0.8	495
	2022a	35.0	32.2	4.8	1.0	3.8	0.3	1.0	19.1	0.3	314
	2022b	40.1	23.6	5.1	1.0	5.1	0.0	1.7	18.8	0.3	292
	2023a	**42.5**	**27.9**	**2.0**	**3.6**	**4.5**	**0.0**	**2.0**	**13.4**	**1.6**	**247**

[1] Cape Town, Atlantis, Worcester; [2] Durban, South Coast, Pietermaritzburg; [3] Port Elizabeth and East London;
[4] Mpumalanga & Limpopo; [5] Free State, North West, Northern Cape
*Over-the-counter, prescription medicine; **Methamphetamine

SITE SUMMARIES: SOCIO-DEMOGRAPHIC PROFILES

First time admissions: Nationally, the majority of admissions were first-time admissions (77%). The proportion of first-time admissions to treatment centres ranged between 66% (WC) and 88% (NR). Compared to the other regions, WC had the highest proportion of repeat admissions (34%) for the 2023a reporting period. The majority of readmissions in the WC were for MA (33%), heroin/opiates (30%). Nationally, heroin/opiates (26%), MA (25%), cannabis (18%), and alcohol (16%) contributed the highest rates for readmissions.

Referrals: Referrals: Nationally, the most common source of referral to specialist treatment centres was 'self/family/friends' (51%) and 'social services/welfare' (24%). Rates for 'self/family/friends' ranged between 44% (KZN) and 65% (GT) while 'social services/welfare' ranged from 1% (EC) to 29% (GT) (**Table 3**).

TABLE 3: REFERRAL SOURCES (JAN-JUN 2023) [COLUMN % ADD UP TO 100]

Referral Source	WC	KZN	EC	CR	GT	NR
Self/family/friends	46	44	65	50	52	51
Work/employer	5	10	11	29	3	7
Social services/welfare	19	7	1	8	29	20
Health professionals (Doctor/psychiatrist/nurse)	3	22	5	9	2	2
Hospital/clinic	2	3	2	1	1	1
Court/correctional services	2	1	<1	<1	1	1
Schools	15	12	14	2	12	17
Church/religious body	1	0	0	1	<1	1
Other e.g. radio	8	1	1	0	<1	<1

Gender: The majority of persons admitted to treatment identified as male with proportions varying between 71% (WC) and 88% (GT and CR). When gender was compared by primary substance of use across regions, variations between genders emerged (**Figure 1**). In the EC and NR, more females (EC: 70%, NR: 67%) than males (EC: 30%, NR: 13%) were admitted for OTC/PRE-medication use. Across regions, more males than females were admitted to specialist treatment centres for the period January to June 2023 (**Figure 2**).

FIGURE 1: GENDER BY PRIMARY SUBSTANCE OF USE (%)

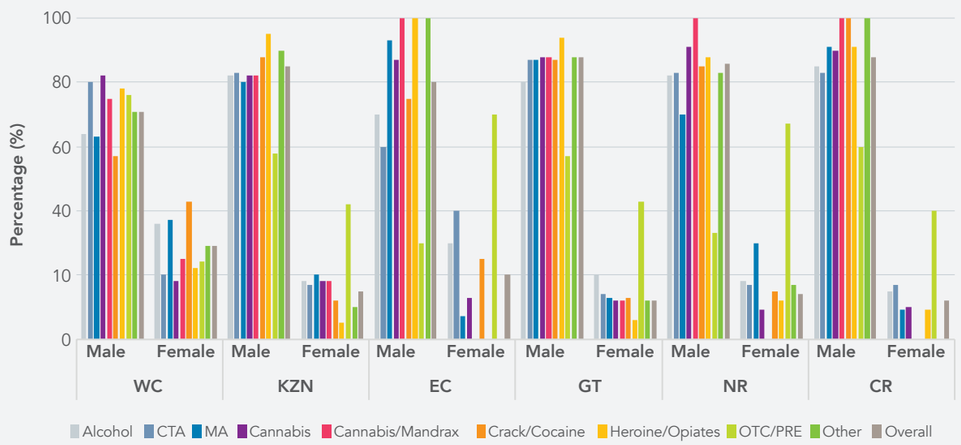
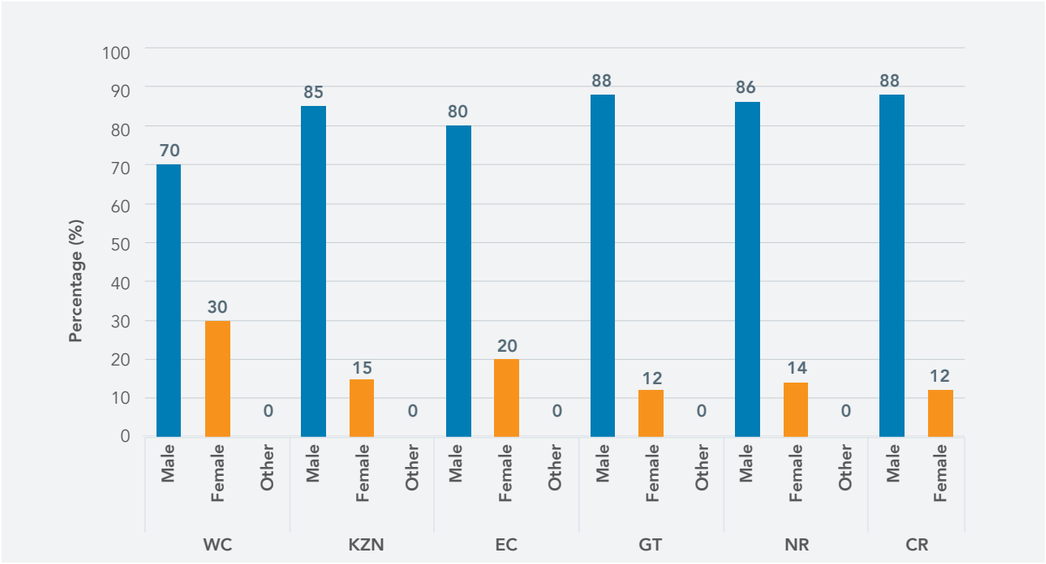


FIGURE 2: GENDER BY REGION (%)



Employment status and education: Between 10% (GT) and 49% (CR) of persons admitted to treatment were in full-time employment. Unemployment rates ranged between 31% (CR) and 67% (GT). GT remained the region that accounted for the highest unemployment rates including being unemployed for more than 6 months (58%). Across regions, the majority of individuals (87%) had a secondary school-level (grade 8-12) education. EC (27%) and the KZN (25%) had the highest number of persons with a tertiary-level education. Individuals with no schooling made up a very small proportion, comprising less than 1% across regions.

Mode of use: Smoking remained the most common mode of use for all substances nationally (72%) compared to other modes of use. Rates for injection drug use remained low across sites, ranging between <1% (EC) and 5% (GT). Overall, 22% of persons who had heroin/opiates as their primary substance of use reported injecting as a route of administration. Similar to the previous reporting period, the EC had the highest injection rates for heroin/opiates (33%), followed by the CR (27%).

Age of persons: The national mean age for all substances was 29 years (**Table 3**). However, age differences were noted for individual substance categories. Individuals were older when their primary substance of use was alcohol and OTC/PRE-medication misuse (mean age: 37 years, respectively). Individuals who were admitted to treatment for cannabis use were younger (mean age: 22 years) (**Table 4**).

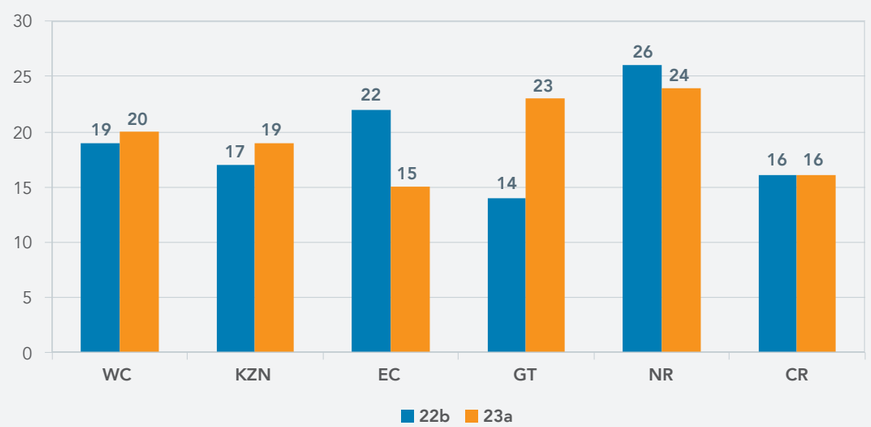
A total number of 2 231 (19%) individuals ≤18 years were admitted to specialist treatment facilities for the current reporting period. GT remained the region with the highest proportion of individuals aged ≤18 years admitted to treatment (n=1 464, 66%) (**Figure 3**). Substantial increases were seen for alcohol admissions in the NR (from 2% to 16%) and the WC (from 2% to 11%), from the 2022b to 2023a review period (**Table 5**).

TABLE 4: MEAN AGE OF PERSONS IN TREATMENT CENTRES BY SELECTED PRIMARY SUBSTANCE OF USE (JAN-JUN 2023)

Substance of use	WC*	KZN*	EC*	CR*	GT	NR	National
Alcohol	37	37	39	41	38	30	37
CAT/KHAT	28	26	26	29	28	29	28
Crack/Cocaine	31	32	33	34	32	28	32
Cannabis	19	23	20	23	23	23	22
Cannabis/Mandrax	35	24	30	24	30	24	31
Heroin/Opiates[1]	37	30	33	30	32	30	32
Inhalants	-	-	17	31	22	30	25
Methamphetamine	34	32	26	27	28	26	29
Ecstasy	-	31	-	-	26	-	28
OTC/PRE[2]	39	35	44	33	37	34	37
Other combinations	33	35	-	-	25	-	28
Tobacco Products**	12	21	-	34	24	27	24
All substances	**31**	**31**	**30**	**32**	**28**	**27**	**29**

[1]Nyaope and whoonga have been incorporated into the heroin-related admission category to improve the accuracy of heroin surveillance; [2]Over-the-counter or prescription medicines
*Inhalants not reported for these regions
**Tobacco products reported since 2022

FIGURE 3: TREATMENT ADMISSION TRENDS (% OF PATIENTS ≤18 YEARS)*: JAN-JUN 2023



*Data was previously reported for <20 years. From 2022 onwards, data is reported for youths aged 18 years and younger

TABLE 5: PRIMARY SUBSTANCE OF USE FOR PERSONS ≤18 YEARS (%): JAN-JUN 2023*

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Crack/ Cocaine	Heroin	Ecstasy	Meth	OTC/ PRE[b]	Total (N)
WC[1]	22b	2.2	85.1	3.3	0.3	1.4	-	7.4	-	363
	23a	**10.8**	**81.4**	**1.4**	**0.7**	**-**	**-**	**4.4**	**0.3**	**296**
KZN[2]	22b	6.5	57.8	0.7	1.1	4.0	-	0.4	27.6	276
	23a	**3.9**	**74.7**	**3.9**	**0.7**	**0.7**	**-**	**-**	**2.6**	**154**
EC[3]	22b	3.7	65.4	2.5	2.5	-	-	24.7	-	82
	23a	**8.5**	**71.2**	**-**	**1.7**	**-**	**-**	**15.3**	**-**	**59**
GT[4]	22b	3.4	74.3	2.0	0.4	1.0	-	13.2	0.7	955
	23a	**4.6**	**79.4**	**1.9**	**0.4**	**0.4**	**0.1**	**7.2**	**1.0**	**1434**
NR[5]	22b	1.7	80.5	-	2.5	3.4	-	8.5	0.8	119
	23a	**16.4**	**70.6**	**2.3**	**0.6**	**2.3**	**-**	**4.5**	**-**	**177**
CR[6]	22b	2.1	74.5	2.1	-	-	-	14.9	-	47
	23a	**5.1**	**71.8**	**7.7**	**-**	**-**	**-**	**10.3**	**-**	**39**

*Data was previously reported for <20 years. From 2022 onwards, data is reported for youths aged 18 years and younger
[1]Cape Town, Atlantis, Worcester; [2]Durban, South Coast, Pietermaritzburg; [3]Port Elizabeth and East London; [4]Gauteng; [5]Mpumalanga and Limpopo; [5]Free State, North-West, Northern Cape
[a]Methamphetamine; [b]Over-the-counter, prescription medication not reported for previous periods

Sources of payment: Overall, the 'state' (63%) was the most substantial source of payment for treatment services. When considering source of payment by regions, the 'state' was also the most common funding source in the WC (81%), GT (72%) and NR (46%). 'Medical aid' was the most common source of funding in the EC (41%), CR (36%) and KZN (38%).

HIV testing: Across the regions, almost two-thirds (65%) of individuals admitted to treatment indicated that they had been tested for HIV, with 45% having been tested within the last 12 months. Between 38% (KZN) and 59% (WC) of persons reported that they had been tested for HIV in the past 12 months. Increased rates for HIV testing in the last 12 months were noted for the CR (33% to 50%), EC (33% to 42%), and GT (37 to 42%) from 2022b to the current period. The lowest testing rates were found in KZN (38%). Low testing rates remain of concern across South African, highlighting the need for interventions that encourage voluntary counselling and testing (VCT).

SUMMARIES BY SUBSTANCE OF USE

ALCOHOL

Reported rates for alcohol admissions ranged between 12% (GT) and 43% (CR) (**Table 2**).

A notable rise was seen for alcohol admissions in KZN, increasing from 29% in 2022b to 36% in 2023a. A 3-percentage point increase was noted for the NR (**Table 2**).

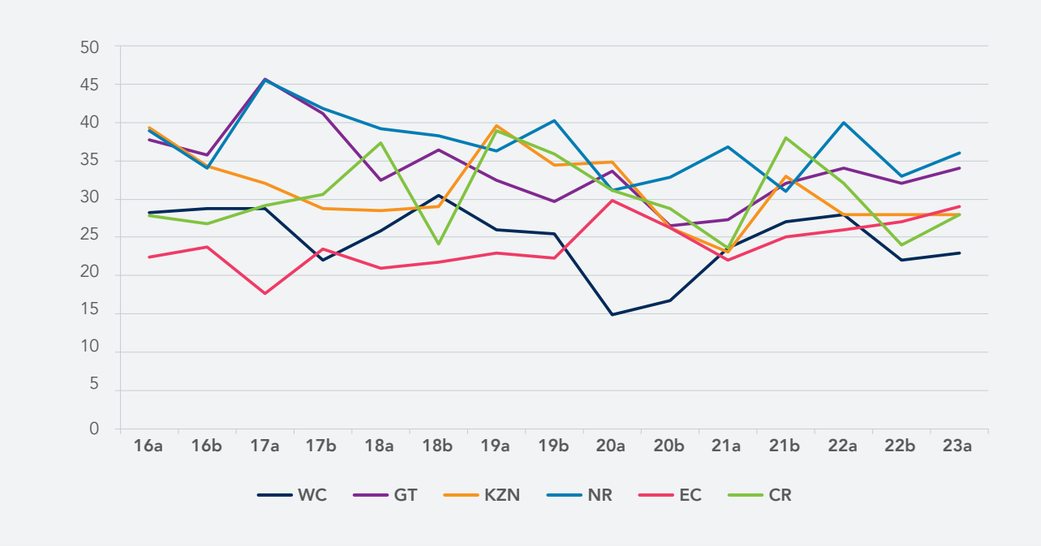
Nationally, the average age of persons admitted for alcohol misuse was 37 years. Average ages ranged between 30 years (NR) and 41 years (CR) (**Table 4**). Individuals presenting to treatment centres were more likely to be male (78%) compared to female (22%). The same trend was also seen across provinces.

CANNABIS (DAGGA) AND MANDRAX

Nationally, cannabis was the leading primary substance of use among persons treated at specialist facilities (32%). Regionally, admissions for cannabis use ranged from 23% (WC) to 36% (NR) (**Figure 4**). Cannabis-related admissions increased in the CR (4-percentage point increase) and decreased in the NR (3-percentage point decrease). Across regions, cannabis contributed over three-quarters (78%) of admissions among individuals 18 years and younger.

Admissions for cannabis/mandrax remained low, with rates ranging between 2% (NR, CR and KZN) and 6% (WC) (**Table 2**). Cannabis/mandrax admissions were largely unchanged across regions, except for the NR where rates increased from <1% (2022b) to 2% (2023a), while decreases were seen in KZN (4% in 2022b to 2% in 2023a), CR (5% in 2022b to 2% in 2023a) and the EC (5% in 2022b to 3% in 2023a). As a secondary substance of use, cannabis/mandrax use was most common in the WC (36%) followed by GT (16%) and the EC (11%). Across sites, persons admitted to specialist treatment centres with cannabis/mandrax as their primary substance of use were more likely to be older (national mean age: 31 years) than those who had cannabis as their primary substance of use (national mean age: 22 years) (**Table 4**).

FIGURE 4: PROPORTION OF PERSONS IN TREATMENT WITH CANNABIS AS THEIR PRIMARY SUBSTANCE OF USE (%)



Data from specialist treatment centres demonstrates that males continue to dominate treatment demand for cannabis and cannabis/mandrax use in comparison to their female counterparts. Nationally, slight decreases were seen for females reporting cannabis as a primary substance (13% to 12%) and for cannabis/mandrax as a primary substance of use (18% to 15%). When comparisons were made across regions, rates for cannabis use among females ranged between 9% (NR) and 18% (WC). Admission rates for cannabis/mandrax ranged from 12% in GT to 23% in the WC. In the NR, EC and CR, only males were admitted for misuse of cannabis/mandrax. The WC (26%) is also the region with the highest cannabis/mandrax admission rates among females.

CRACK/ COCAINE

The proportion of persons reporting crack/cocaine as their primary substance of use remained fairly stable across regions though marginal increases were reported for KZN and the CR (3-percentage point increase respectively), and the NR (1-percentage point increase) (**Table 2**). Rates ranged from 2% (GT and WC, respectively) to 11% (KZN). Between 5% (EC, GT and CR) and 23% (KZN) of all persons reported using crack/cocaine as a primary or secondary substance of use (**Table 6**).

The national average age of persons in treatment whose primary drug of use was crack/cocaine was 32 years (**Table 4**) with mean ages declining nationally. A decrease in mean age was found in the CR (38 years to 34 years) and GT (34 years and 32 years). The proportion of males reporting crack/cocaine as their primary substance of use were between 57% (WC) and 100% (CR); the WC had the highest rate for crack/cocaine use among females (43%) compared to the other regions. Between 11% (NR) and 50% (EC) of persons who used crack/cocaine had experienced prior treatment episodes. The EC (2%) and WC (1%) contributed the largest proportions of youths aged 18 years and younger who reported crack/cocaine as a primary substance of use.

TABLE 6: PRIMARY OR SECONDARY SUBSTANCE OF USE* (%): JAN-JUN 2023

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Cocaine/ Crack	Heroin	Ecstasy	Meth[a]	OTC/ PRE[b]	Total (N)
WC[1]	05b	39.0	32.9	16.0	18.2	16.3	7.0	44.7	3.8	2131
	06a	41.2	28.3	14.0	15.6	16.2	5.5	46.3	3.8	2660
	06b	41.5	33.0	13.4	12.4	12.5	3.7	51.9	4.9	2798
	07a	43.6	31.7	12.6	10.4	12.0	2.8	49.3	3.2	2864
	07b	41.2	33.0	14.7	10.0	14.6	2.3	44.3	3.6	3058
	08a	42.1	30.6	15.3	12.2	15.2	2.8	45.8	4.5	2637
	08b	38.6	32.5	15.2	11.4	14.9	1.9	44.2	3.5	2807
	09a	36.5	32.5	15.2	6.6	12.2	1.6	50.1	2.3	3667
	09b	40.1	32.2	18.4	5.4	13.4	1.1	46.6	2.2	2642
	10a	40.7	33.9	17.9	5.2	14.1	0.9	45.6	2.3	3134
	10b	40.4	36.7	18.5	4.8	12.8	0.9	46.9	2.2	2933
	11a	36.6	35.3	15.2	4.6	14.7	1.1	46.6	1.2	2927
	11b	36.4	37.0	19.6	5.9	19.1	1.6	52.1	1.6	2733
	12a	34.3	39.7	16.1	4.5	18.4	1.3	48.4	1.6	3912
	12b	34.5	43.5	20.4	3.8	17.9	1.2	49.7	1.1	3178
	13a	36.6	44.7	22.5	4.0	18.6	1.2	39.9	2.3	3717
	13b	34.1	45.6	20.6	3.8	14.3	0.9	46.6	2.0	3478
	14a	26.5	32.8	17.4	2.4	19.3	0.3	47.2	1.4	3510
	14b	29.9	33.7	16.6	2.6	13.4	0.0	45.5	1.1	3444
	15a	28.4	33.4	18.9	2.6	14.8	0.0	49.1	2.2	3524
	15b	30.3	34.4	21.1	2.2	11.2	0.0	47.9	1.9	2674
	16a	31.6	37.1	20.1	3.1	11.3	0.0	42.3	1.4	2977
	16b	29.5	37.4	19.7	3.0	13.4	0.0	41.8	1.6	2808
	17a	37.3	37.8	19.1	3.1	10.8	0.0	36.2	1.6	2902
	17b	35.9	29.9	23.7	3.7	14.4	0.4	43.5	2.7	2541
	18a	33.8	33.9	20.8	3.6	12.8	0.5	38.8	1.9	3182
	18b	33.1	39.0	20.7	4.4	11.8	0.1	38.7	2.4	2719
	19a	28.8	36.9	23.3	3.5	17.3	0.1	43.2	2.9	3013
	19b	30.9	35.5	23.0	5.0	14.9	0.3	43.1	3.3	2654
	20a	19.2	25.4	29.3	3.2	18.9	0.2	58.9	3.3	1323
	20b	26.5	41.5	27.1	5.9	14.7	0.0	55.3	3.3	1890
	21a	27.7	33.9	27.1	4.6	11.8	0.3	49.4	2.8	2433
	21b	33.9	47.7	38.8	5.4	10.9	0.3	57.0	4.2	2195
	22a	28.4	35.6	22.1	3.9	12.7	0.3	46.2	1.7	3439
	22b	24.4	30.6	28.3	3.5	18.4	0.1	48.8	1.9	3028
	23a	**26.6**	**32.5**	**28.3**	**3.9**	**18.9**	**0.0**	**46.5**	**2**	**1483**
KZN[2]	05a	74.0	52.9	17.6	17.1	2.5	6.2	0.0	3.1	945
	05b	82.2	45.0	11.8	14.2	2.2	6.9	0.2	3.9	846
	06a	71.1	33.8	3.7	13.2	2.7	2.7	0.4	11.8	485
	06b	71.8	37.6	8.1	21.2	11.1	4.2	0.4	5.6	921
	07a	65.0	34.1	5.4	20.0	18.2	4.0	0.0	4.3	1232
	07b	53.2	34.6	4.3	20.4	34.7	5.6	0.0	2.9	943
	08a	61	37	5	14	24	1.2	0.3	1.4	1531
	08b	60.0	31.8	4.6	14.6	25.5	1.9	0.1	1.0	1537
	09a	54.5	31.2	4.3	15.4	30.7	2.8	0.1	1.9	1575
	09b	64.4	38.9	4.7	14.9	19.3	3.3	0.4	1.3	1138
	10a	76.2	43.9	5.4	11.2	21.8	3.8	0.5	1.5	1009
	10b	75.2	47.8	9.6	14.9	10.6	3.7	0.3	2.5	669
	11a	81.3	46.1	6.9	17.4	14.7	3.3	0.4	1.4	720
	11b	82.9	42.9	7.7	16.1	8.0	3.4	0.9	1.3	610
	12a	78.4	44.6	7.4	15.5	8.1	4.9	0.4	3.3	569
	12b	70.6	55.1	8.1	12.4	9.2	4.2	0.6	2.2	813
	13a	70.9	54.8	5.6	13.1	8.9	4.7	0.9	2.2	934
	13b	69.0	54.1	10.7	11.1	13.8	7.2	1.5	1.6	610
	14a	57.6	48.3	6.2	4.1	1.4	11.2	1.0	1.7	484
	14b	46.5	51.3	7.9	10.0	8.8	0.0	0.1	2.7	929
	15a	53.5	50.2	9.5	6.9	5.5	1.2	0.5	1.5	1122
	15b	49.1	42.8	9.1	9.5	7.7	2.3	1.5	3.8	1171
	16a	44.8	51.8	6.8	8.3	15.9	2.6	1.4	3.1	1247
	16b	52.5	45.4	5.3	10.4	12.1	2.2	1.1	2.7	1177
	17a	49.3	50.9	6.7	10.8	11.0	1.9	1.5	1.9	1370
	17b	49.4	43.9	6.0	12.1	11.2	1.3	1.3	2.6	1400
	18a	41.4	48.2	5.6	15.7	30.3	1.5	2.3	4.5	1256
	18b	49.2	47.2	5.8	15.2	28.1	1.4	1.6	6.3	993
	19a	21.1	49.7	5.4	10.0	33.9	0.7	6.0	4.4	1291
	19b	21.7	45.8	5.1	12.5	29.8	0.5	12.1	5.9	980
	20a	20.7	48.1	5.3	13.5	27.3	1.1	12.0	5.5	565
	20b	46.7	41.5	4.2	26.9	22.3	1.1	1.7	8.7	726
	21a	42.5	39.8	5.4	26.3	19.9	1.0	3.6	7.3	723
	21b	33.9	63.6	3.9	26.3	39.1	0.7	20.9	7.2	1146
	22a	39.5	41.8	4.6	21.6	23.2	0.2	4.2	7.6	1666
	22b	37.8	39.8	8.1	16.8	23.2	0.0	3.3	16.8	1927
	23a	**44.6**	**40.1**	**5.6**	**23.3**	**16.9**	**0.4**	**4.6**	**6.9**	**1054**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Cocaine/ Crack	Heroin	Ecstasy	Meth[a]	OTC/ PRE[b]	Total (N)
EC[3]	05a	61.8	20.7	28.3	18.8	2.1	5.7	0.7	6.1	671
	05b	74.2	20.7	11.5	15.0	1.9	2.1	0.0	6.2	585
	06a	57.3	23.2	13.9	27.0	9.3	5.3	4.8	2.4	786
	06b	58.3	32.4	17.2	29.0	4.0	4.2	3.9	5.0	645
	07a	62.7	26.6	12.6	22.7	2.2	2.4	2.2	5.4	759
	07b	48.7	26.8	16.6	33.6	7.6	5.6	5.3	4.6	608
	08a	57.9	26.8	9.6	29.3	8.2	2.9	4.2	9.2	551
	08b	58.7	29.6	17.8	24.5	6.7	3.9	8.9	9.5	612
	09a	63.8	25.9	13.8	15.8	3.5	1.4	5.5	11.9	1206
	09b	61.3	26.5	10.8	14.8	6.5	2.6	9.6	22.1	648
	10a	54.0	28.2	14.6	11.9	3.9	1.0	9.5	15.2	877
	10b	54.2	28.7	13.0	14.7	6.1	1.1	14.1	12.0	707
	11a	56.8	25.6	10.8	10.9	4.0	1.4	16.3	13.6	723
	11b	46.5	24.8	12.3	8.6	3.6	0.8	22.7	13.5	721
	12a	49.8	26.9	11.6	11.7	1.9	1.8	23.3	14.4	793
	12b	56.3	41.1	19.3	29.4	6.1	1.2	22.8	5.7	316
	13a	43.3	22.7	12.1	11.6	2.4	2.2	23.3	21.6	587
	13b	46.3	23.5	7.8	7.8	2.7	1.9	20.9	19.4	527
	14a	36.5	26.1	8.6	8.8	1.8	0.3	21.0	20.6	613
	14a	41.9	27.1	12.2	7.5	1.5	0.0	21.9	15.4	663
	15a	42.7	34.9	18.5	9.9	4.4	0.0	25.9	5.5	363
	15b	32.5	43.1	18.3	5.5	2.8	0.0	34.4	1.7	471
	16a	42.5	36.1	14.4	7.6	3.3	0.0	29.5	9.6	638
	16b	46.6	35.4	16.9	4.7	2.2	0.0	22.3	8.6	537
	17a	56.7	28.5	14.4	9.6	3.7	0.0	24.5	4.0	425
	17b	45.0	33.4	16.7	6.6	2.5	0.0	33.6	5.2	515
	18a	45.8	32.7	13.9	5.4	2.3	0.3	35.2	6.8	517
	18b	48.7	32.7	13.1	5.1	2.9	0.4	35.3	5.3	450
	19a	30.5	45.5	9.7	4.6	20.0	0.0	23.4	7.2	475
	19b	47.6	40.8	11.0	4.5	2.1	0.0	32.7	6.3	336
	20a	25.6	47.4	5.6	10.2	19.1	0.0	24.7	6.0	215
	20b	32.8	45.1	21.1	9.4	2.2	0.0	48.2	2.9	448
	21a	63.5	40.4	17.4	8.8	2.3	0.0	49.7	2.1	386
	21b	47.3	60.9	19.7	8.5	0.8	0.7	56.6	3.0	487
	22a	36.1	45.3	17.8	8.6	2.7	0.0	48.0	3.0	616
	22b	51.9	45.6	15.1	12.3	0.7	0.0	33.7	1.7	504
	23a	**51.0**	**26.4**	**8.7**	**5.4**	**1.2**	**0.1**	**31.5**	**5.4**	**241**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Cocaine/ Crack	Heroin	Ecstasy	Meth[a]	OTC/ PRE[b]	Total (N)
GT	05a	57.9	34.6	13.2	19.0	10.5	4.6	0.5	6.7	3030
	05b	62.1	34.7	8.9	20.2	11.3	3.9	0.6	7.7	2848
	06a	56.9	33.5	6.8	21.4	10.6	3.3	0.6	11.2	3119
	06b	58.1	32.7	4.3	23.6	13.2	2.9	0.7	6.0	3295
	07a	55.3	33.2	3.6	25.4	14.3	2.8	0.9	7.7	3251
	07b	54.7	30.9	3.7	26.4	13.8	3.3	1.0	6.6	3053
	08a	60.8	34.4	4.5	24.8	15.4	2.1	1.2	2.9	2768
	08b	64.8	35.0	4.2	19.4	12.2	2.7	0.9	7.9	3158
	09a	57.5	40.1	4.7	16.1	13.7	3.3	1.6	7.7	2822
	09b	58.0	38.4	3.6	12.3	21.2	1.2	1.1	5.4	2646
	10a	54.7	41.5	4.9	14.9	21.2	1.2	2.1	7.1	2684
	10b	53.6	43.2	3.9	17.6	23.9	2.2	2.6	5.5	2884
	11a	48.0	44.7	3.9	18.5	25.0	1.8	3.4	7.4	2972
	11b	47.7	44.4	3.8	15.9	21.4	2.6	3.9	8.5	2786
	12a	44.9	44.3	2.6	15.9	22.2	2.3	5.4	4.5	3198
	12b	41.7	49.9	4.6	12.6	19.7	1.3	5.2	5.2	3552
	13a	38.5	57.1	3.8	10.9	20.9	1.2	8.0	2.7	4026
	13b	34.8	56.9	4.6	13.5	18.6	1.5	6.6	3.1	3128
	14a	25.8	53.8	4.2	5.2	13.9	0.6	6.1	1.5	3479
	14b	28.1	47.2	2.5	7.8	15.6	0.6	5.9	1.8	3372
	15a	27.3	51.4	2.6	6.5	18.6	0.5	7.7	2.5	4285
	15b	26.1	48.9	3.6	6.6	17.6	0.7	6.3	2.1	3570
	16a	22.5	49.9	5.3	6.5	13.7	0.4	7.9	3.6	3989
	16b	27.6	51.3	3.5	4.6	15.8	0.3	9.1	2.2	2948
	17a	21.4	56.6	3.9	4.1	19.9	0.4	8.1	2.6	3870
	17b	22.1	54.5	4.1	4.7	18.1	0.3	9.5	3.0	3414
	18a	19.9	45.1	4.5	5.3	36.9	0.3	8.9	3.6	2734
	18b	18.9	50.0	4.9	6.9	30.3	0.2	12.2	1.7	2937
	19a	24.4	45.3	6.9	7.7	28.8	0.2	13.3	4.8	3148
	19b	17.6	46.9	7.4	8.0	39.9	0.4	15.6	2.1	4226
	20a	17.1	49.8	6.2	7.5	38.2	0.1	15.9	2.8	3279
	20b	11.9	43.5	9.5	7.3	40.1	0.4	22.7	2.5	5059
	21a	12.9	43.2	7.2	7.4	34.3	0.4	25.3	2.0	6226
	21b	22.6	62.9	12.5	9.0	29.0	0.6	39.9	3.0	9701
	22a	16.2	49.7	7.6	5.8	22.7	0.1	33.9	1.8	10247
	22b	17.9	44.8	10.1	4.0	19.5	0.1	36.5	2.0	8199
	23a	**16.3**	**45.1**	**10.5**	**4.5**	**20.7**	**1**	**33.9**	**1.8**	**7482**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Cocaine/ Crack	Heroin	Ecstasy	Meth[a]	OTC/ PRE[b]	Total (N)
NR[4]	05a	62.9	34.1	1.1	12.6	18.5	3.6	0.6	5.1	525
	05b	65.7	41.5	2.1	13.9	15.1	2.7	0.9	4.1	562
	06a	66.7	40.3	2.4	16.2	21.0	3.2	0.2	4.8	501
	06b	61.0	44.7	1.7	13.9	22.6	3.2	0.4	4.5	539
	07a	53.3	48.3	2.5	14.3	31.7	2.5	0.8	2.2	600
	07b	52.7	48.6	0.5	15.4	22.8	2.9	0.3	3.6	605
	08a	45.1	61.9	1.7	12.1	21.9	1.2	0.3	3.0	667
	08b	41.2	61.2	1.0	11.5	19.2	1.2	0.3	4.2	729
	09a	45.7	57.9	0.9	10.5	17.5	2.9	0.7	2.3	809
	09b	47.7	56.4	0.6	10.4	25.6	2.1	0.2	2.3	652
	10a	43.9	57.7	1.0	10.8	28.1	1.6	0.0	2.5	762
	10b	41.7	61.9	0.7	11.9	24.9	0.9	0.6	2.4	669
	11a	40.1	66.9	0.4	8.4	34.3	0.9	0.7	0.7	693
	11b	35.1	64.7	1.5	13.6	29.9	1.7	3.5	3.4	892
	12a	44.1	59.8	2.6	13.6	25.0	2.1	3.8	2.9	655
	12b	35.9	59.2	1.5	9.8	25.8	2.4	2.2	2.4	818
	13a	31.2	68.5	1.8	6.5	29.5	0.9	1.2	2.9	941
	13b	31.2	71.9	0.6	8.9	35.5	1.0	2.6	1.4	959
	14a	22.4	56.6	1.2	5.2	24.7	0.7	0.8	0.9	1004
	14b	22.7	45.9	0.4	3.3	27.4	0.0	0.7	1.1	1134
	15a	21.6	42.8	1.6	5.8	31.1	0.0	0.9	0.2	1076
	15b	20.0	40.2	4.4	4.4	28.7	0.0	1.2	1.4	1247
	16a	23.4	46.2	4.8	6.1	26.5	0.0	1.3	0.9	1026
	16b	23.5	39.1	1.4	4.3	36.9	0.0	1.6	1.5	929
	17a	33.4	51.2	1.3	6.6	31.2	0.0	0.9	1.2	1122
	17b	44.7	48.1	0.8	6.4	29.2	0.1	2.2	1.3	1269
	18a	39.3	49.9	3.1	6.1	25.1	0.1	3.8	2.1	1372
	18b	36.9	47.1	0.8	6.8	38.2	0.4	4.7	1.5	1171
	19a	23.5	48.1	6.2	8.2	24.9	0.5	13.8	2.9	1025
	19b	29.2	48.9	0.8	7.4	35.8	0.2	6.3	1.8	1423
	20a	23.9	44.5	5.7	10.8	32.3	0.2	13.9	4.2	768
	20b	30.5	51.1	1.1	6.5	45.1	0.0	8.4	1.8	1024
	21a	29.3	52.0	1.0	6.7	45.6	0.5	8.9	1.1	958
	21b	39.0	56.9	3.7	22.8	46.8	2.0	14.6	0.9	1675
	22a	23.5	52.9	0.5	12.4	40.7	0.3	15.6	1.2	1824
	22b	20.1	45.1	1.9	15.5	49.3	0.2	9.4	0.9	1274
	23a	**23.1**	**50**	**3.0**	**13.9**	**37.8**	**0.0**	**11.1**	**1.3**	**772**

Site	Period	Alcohol	Cannabis	Cannabis/ Mandrax	Cocaine/ Crack	Heroin	Ecstasy	Meth[a]	OTC/ PRE[b]	Total (N)
CR[5]	07b	75.8	29.1	4.3	11.4	2.1	2.9	0.8	5.6	657
	08a	70.4	29	3.0	8.2	1.7	0.0	1.4	5.7	637
	08b	77.8	23.0	3.8	10.8	1.7	1.7	0.0	9.3	636
	09a	77.8	25.5	4.2	11.9	3.8	1.7	1.9	8.1	577
	09b	77.4	31.4	7.3	8.4	5.9	1.4	1.8	8.4	491
	10a	73.1	29.9	4.2	10.4	2.6	1.4	1.1	6.2	642
	10b	75.6	33.4	5.5	11.9	4.2	1.1	2.4	6.8	545
	11a	82.2	24.9	3.9	10.9	2.8	1.5	1.3	8.2	538
	11b	72.9	33.9	5.1	12.8	3.6	1.5	3.8	7.7	549
	12a	67.1	34.9	9.1	6.2	1.8	0.3	6.0	3.9	932
	12b	67.9	34.9	6.5	12.1	3.2	1.2	5.3	4.0	495
	13a	63.3	40.7	5.7	11.7	5.3	0.8	4.7	6.7	472
	13b	59.7	46.4	6.3	8.5	5.3	0.7	4.1	3.9	414
	14a	56.0	44.5	7.4	7.4	3.4	0.1	7.2	1.5	530
	14b	52.1	40.9	7.8	4.4	5.9	0.0	7.6	1.7	655
	15a	53.4	40.6	8.5	4.9	6.5	0.0	9.0	2.1	566
	15b	52.9	38.5	10.1	6.9	5.8	0.0	11.2	4.6	546
	16a	61.7	36.0	6.5	3.9	2.1	0.0	6.0	3.9	663
	16b	58.5	36.6	7.9	7.7	2.2	0.0	8.5	1.8	388
	17a	52.5	37.9	7.9	8.4	3.1	0.0	8.4	2.2	356
	17b	56.6	38.9	10.6	4.6	3.8	0.0	9.7	2.3	350
	18a	44.3	45.8	17.1	3.9	2.1	0.0	14.9	2.1	334
	18b	49.1	36.6	15.3	7.4	9.3	0.0	18.9	2.8	216
	19a	25.0	51.6	8.5	7.9	33.9	0.0	7.3	0.9	316
	19b	44.4	43.9	11.6	4.2	12.2	0.0	19.0	5.3	189
	20a	26.9	47.0	5.9	9.6	28.7	0.0	14.4	4.2	167
	20b	31.6	41.3	16.2	11.3	14.6	0.0	29.9	2.8	247
	21a	41.5	39.6	13.2	7.6	8.5	0.0	37.7	4.3	212
	21b	40.8	63.8	11.2	10.6	7.7	0.6	31.9	6.3	495
	22a	39.2	44.3	12.7	2.2	5.1	0.3	28.7	1.9	441
	22b	43.5	34.9	9.2	3.1	6.2	0.0	29.8	2.7	402
	23a	**51.0**	**42.9**	**5.3**	**4.9**	**4.9**	**0.3**	**27.9**	**4.5**	**247**

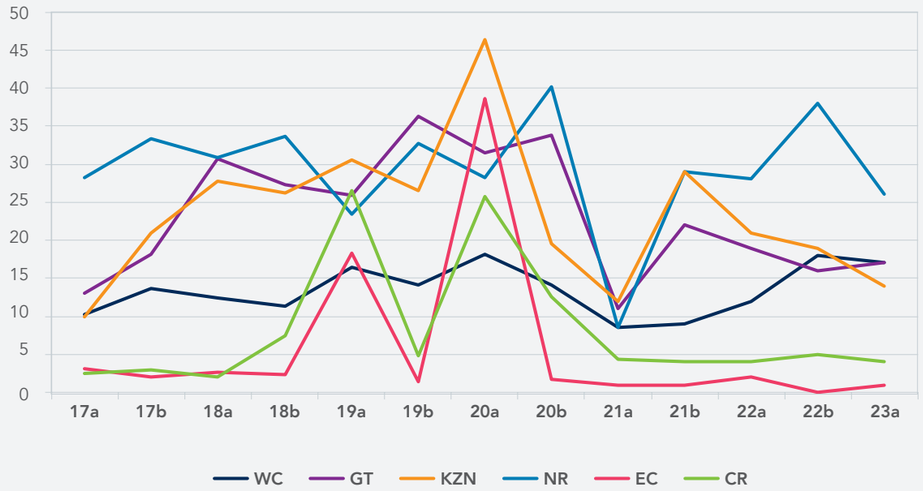
*Proportion of persons who reported these substances as primary or secondary substances of use
[1]Cape Town, Atlantis, Worcester; [2]Durban, South Coast, Pietermaritzburg; [3]Port Elizabeth and East London; [4]Mpumalanga & Limpopo; [5]Free State, North West, Northern Cape
[a]Methamphetamine; [b]Over-the-counter, prescription medicine

HEROIN/OPIATES

Nyaope and whoonga[4] have been incorporated into the heroin-related admission category to improve accuracy of heroin surveillance. Nationally, heroin/opiates comprised 17% of all treatment admissions for the current period. Between 1% (EC) and 26% (NR) of persons in specialist treatment centres reported heroin/opiates as their primary drug of use. Decreases were noted for heroin/opiates admissions over the last two reporting periods for the NR (38% to 26%) and KZN (19% to 14%) (**Figure 5**).

Nationally, the average age of persons who had heroin/opiates as their primary substance of use was 32 years, with mean ages ranging between 30 years (CR, KZN and NR respectively) and 37 years (WC) (Table 4). Between 1% (EC) and 38% (NR) of persons attending specialist treatment centres reported heroin/opiates as a primary or secondary substance of use. Although heroin/opiates was mostly smoked (77%), across sites, between 12% (KZN) and 33% (EC) of individuals who had heroin/opiates as their primary substance of use reported injecting the drug.

FIGURE 5: PROPORTION OF PERSONS IN TREATMENT WITH HEROIN/OPIATES AS THEIR PRIMARY SUBSTANCE OF USE (%)



When comparing genders, more males reported heroin/opiates as a primary substance of use than females, ranging between 78% (WC) and 100% (EC). The WC had the highest proportion of females (22%) reporting heroin/opiates as a primary substance at time of admission. The EC (67%) had the highest readmission rate among persons admitted for heroin/opiate use compared to other regions.

[4] Nyaope and whoonga are street names for low-grade heroin, often mixed with other regulated and unregulated substances. In South Africa, it is usually sprinkled on cannabis and/or tobacco and the mixture is rolled into a cigarette or 'joint' and smoked (DoH: Province of KwaZulu-Natal. Whoonga, wceregistrations@soafrica.com)

OVER-THE-COUNTER AND PRESCRIPTION MEDICINES

Admission rates for OTC/PRE-medicines as primary substance of use remained low, ranging between 1% and 4%, with the national rate at only 1%. Most regions reported low proportions (1% in GT, NR and WC), while EC had the highest rate for OTC/PRE-medication admissions at 4% (**Table 2**). Nationally, more admissions were for males (56%) versus females (44%). The EC (70%) and the NR (67%) had the highest proportion of females) reporting OTC/PRE-medicine use.

The national average age for OTC/PRE-medicine treatment was 37 years, ranging from 33 years (CR) to 44 years (EC) (**Table 4**). OTC/PRE-medicine use was not indicated for the CR, EC and NR or individuals 18 years and younger. A sharp decrease of 25-percentage points was noted for OTC/PRE-medicine use among youths aged 18 years and younger in KZN (**Table 5**).

OTC/PRE medicines as primary or secondary substances of use ranged between 1% (NR) and 7% (KZN) (**Table 6**). In KZN, the admission rate for OTC/PRE-medicine use decreased from 8% (2022b) to 3% (2023a). Medicines used included benzodiazepines, analgesics, codeine products and sleeping pills. Nationally, a total of 743 (9%) of individuals were admitted for codeine medication misuse.

AMPHETAMINE-TYPE STIMULANTS (ECSTASY, METHAMPHETAMINE [TIK], METHCATHINONE [CAT/KHAT]) AND LSD

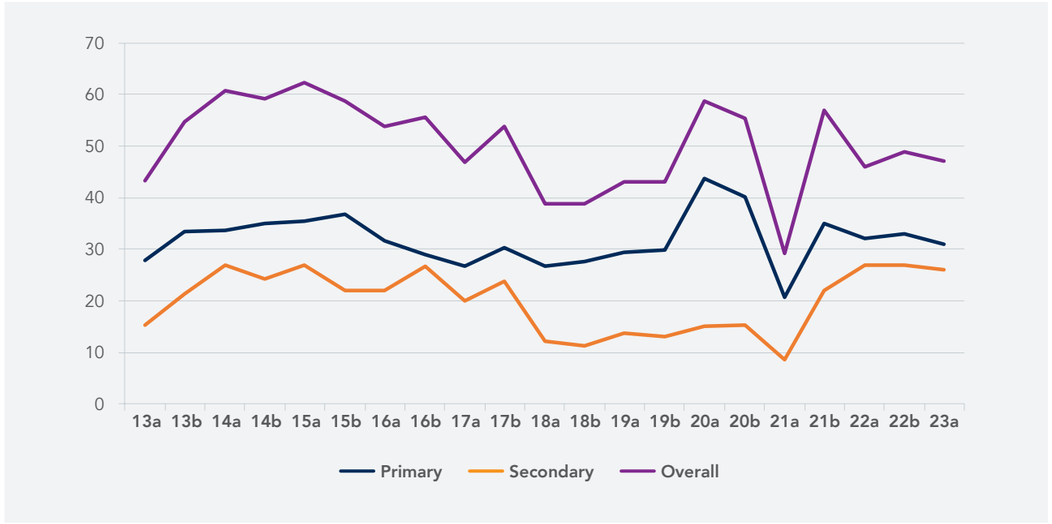
Ecstasy use was only indicated as a primary substance in the KwaZulu Natal and Gauteng region at <1% (**Table 2**). Rates for ecstasy as primary or secondary substance of use were also very low (<1%) across sites, except for the GT region (1%) (**Table 6**). Ecstasy was indicated as a secondary substance of use only in EC (1%), GT (<1%), KZN (1%) and WC (1%).

The proportion of individuals reporting MA ('TIK') as their primary substance of use was highest in the WC (31%), followed by GT (24%) and the EC (23%). Admissions for treatment of MA use was lowest in KZN at 3% (**Table 2**).

The national average age of individuals reporting MA as their primary drug of use was 29 years. Average age ranged between 26 (EC and NR) and 34 years (WC) (**Table 4**). Nationally, males (83%) represented the group with the highest rates for MA admissions compared to females (17%); this trend has been sustained for the last few reporting periods. Males were also in the majority for MA admissions regionally, ranging from 63% in the WC to 93% in the EC. The WC had the highest proportion of females admitted for MA use compared to other regions, increasing from 35% in 2022b to 37% in 2023a.

National rates for MA route of administration showed that the majority of individuals smoked the substance (94%). When rates were compared across regions, a similar profile emerged with MA mostly being smoked, ranging from 77% (KZN) to 99% (WC). Most individuals admitted for MA use reported daily use (63%), remaining stable over the last few reporting periods. The highest proportions for MA use as a primary or secondary substance was found for the WC (47%) (**Figure 6**). This was followed by GT (34%) and the EC (32%)

FIGURE 6: TREATMENT DEMAND TRENDS: METHAMPHETAMINE AS PRIMARY OR SECONDARY SUBSTANCE OF USE, WC (%)



Among persons aged 18 years and younger, 6% reported MA as their primary substance of use. MA was indicated as a primary or secondary substance of use among 31% of persons 18 years and younger (increasing from 24% in 2022b). The EC region accounted for the highest number of persons 18 years and younger (15%) reporting MA as a primary substance of use, decreasing by 25-percentage points from 2022b. MA use among individuals ≤18 years was not reported in KZN.

Nationally, 4% of individuals reported CAT/KHAT as their primary substance of use at the time of admission. Compared to other regions, GT reported the highest proportions for CAT/KHAT-related admissions (6%). Rates for CAT/KHAT as primary or secondary drug of use varied from 1% (WC) to 10% (GT). CAT/KHAT use remained relatively low across regions.

INHALANTS

Nationally, inhalant use comprised a small proportion of admissions at <1%. Admission rates for inhalant use remained low across regions, ranging between <1% (GT, EC and CR) to 1% (NR); no inhalant use was reported for KZN and the WC. This is likely to be an underestimate given that inhalant misuse is common among those who find themselves destitute and therefore may not have easy access to care.

OTHER SUBSTANCES/POLY-SUBSTANCE USE

Poly-substance use remained high with half (50%) of individuals admitted to treatment indicating the use of more than one substance. By region, rates ranged between 47% (GT) and 61% (WC).

MENTAL HEALTH AND OTHER PHYSICAL COMORBIDITIES

Nationally, 14% (n=1 586) of individuals admitted to treatment presented with a dual diagnosis. Across regions, the largest proportion of persons in treatment presenting with a dual diagnosis reported mental health problems (67%). Depression, anxiety and panic disorders and sleep disorders were the three most common mental illnesses reported nationally.

SECTION 2: DATA FROM COMMUNITY-BASED HARM REDUCTION SERVICES

A range of organisations are implementing community-based harm reduction services for people who use drugs (PWUD), including people who inject drugs (PWID). Services include: HIV, STI, viral hepatitis and TB prevention, testing and linkage to care; harm reduction behaviour change interventions; needle and syringe services; opioid substitution therapy (OST); monitoring of human rights violations and referral for other available substance use disorder treatment services. Interventions aimed at preventing and managing overdose are very limited, and community-based naloxone distribution is not currently provided.

During the reporting period TB HIV Care operated in the Eastern Cape (Nelson Mandela Bay District), Gauteng (Tshwane), KwaZulu-Natal (eThekwini), Mpumalanga (Ehlanzeni district) and the Western Cape (Cape Metro). Advance Access and Delivery and the Urban Futures Centre at the Durban University of Technology ran the Bellhaven harm reduction centre in eThekwini District. The Department of Family Medicine at the University of Pretoria's Community Orientated Substance Use Programme (COSUP) operated in the City of Tshwane (Gauteng Province). Sediba Hope provided harm reduction services at two centres in Tshwane District. In Gauteng Anova Health Institute's Jab Smart Project operated in the City of Johannesburg, Indibano Victim Empowerment Project in Sedibeng, Tintswalo Home Based Care in Ekurhuleni and Tsepo Ya Bana in West Rand. Inkunzi Isematholeni Foundation provided harm reduction services in uMgungundlovu District. Financing of harm reduction services were through the Global Fund (Cape Town, eThekwini, Ekurhuleni, Johannesburg, Nelson Mandela Bay, uMgungundlovu and West Rand Districts), PEFAR/CDC (Tshwane and Ehlanzeni) and City of Tshwane (Tshwane).

The data below reflects service delivery data for reporting period January - June 2023.

EASTERN CAPE

In *Nelson Mandela Bay* 841 unique PWID accessed services, with 108 390 needles and syringes distributed and 98% returned. 324 PWID tested for HIV, among whom 25 tested positive. A total of 27 people were on ART, with 4 PWID confirmed to be virally suppressed during the period. 339 people were screened for tuberculosis (TB), with 19 being symptomatic, 10 diagnosed; 10 starting treatment and 0 with confirmed cure. No routine viral hepatitis testing was done. Opioid substitution therapy (OST) was not available. 137 human rights violations were reported, mostly involving the confiscation and destruction of injecting equipment (61%). Three deaths among people who use drugs were reported during this period, no fatal overdoses were reported.

GAUTENG

In *Ekurhuleni* 579 unique PWID accessed the services, with 114 060 needles and syringes distributed and 77% returned. 246 PWID tested for HIV, among whom 15 tested positive; 15 people were put on ART. A total of 6 people were confirmed to be virally suppressed. 249 PWID were screened for TB, with 0 being symptomatic, no TB was confirmed, and no one was started on treatment. 52 people were screened for HCV antibodies with 49 being reactive; 36 people had confirmed infection (of 42 tested). 0 people were started on HCV treatment. Of the 52 tested for HBV surface antigen (HBsAg), 6 were reactive. 43 PWID were on OST at the beginning of the period and 43 were on OST at the end of the period. 79 human rights violations were reported, mostly due to the confiscation of injecting equipment (62%). Three deaths among people who use drugs were reported during this period, no fatal overdoses reported.

In *Johannesburg* 10 214 unique PWID accessed the services, with 785 910 needles and syringes distributed and 43% returned. 2 791 PWID tested for HIV, among whom 445 tested positive and 431 were started on ART. 10 PWID were confirmed to be HIV virally suppressed. 2 848 were screened for TB, with 15 being symptomatic, 4 diagnosed, 3 starting on TB treatment and 0 reporting cure. 183 people were screened for HCV antibodies with 123 being reactive. 36 people had confirmed infection (of 36 tests) and 20 people started HCV treatment with 3 people achieving sustained virological response during the period. Of the 183 tested for HBV surface antigen (HBsAg), 7 were reactive. 312 PWUD/ID were on OST at the beginning of the period and 332 were on OST at the end of the period. 428 human rights violations were reported, the majority (68%) involving the confiscation of injecting equipment. 34 deaths were reported among people who use drugs, including 2 fatal drug-related overdoses.

In *Sedibeng* 1 686 unique PWID accessed the service with 264 360 needles and syringes distributed and 100% returned. 276 PWID tested for HIV, among whom 88 tested positive and 81 started on ART. 2 PWID were confirmed to be HIV virally suppressed. 366 people who use drugs were screened for tuberculosis, with 1 being symptomatic, 1 infection confirmed and 0 receiving treatment. 36 people were screened for HCV antibodies with 26 being reactive. 26 people had confirmed infection (of 26 tests) and 0 people started

HCV treatment. Of the 32 tested for HBV surface antigen (HBsAg), 0 were reactive. 36 PWID were on OST at the beginning of the period and 53 at the end of the period. 225 human rights violations were reported, most (68%) linked to confiscation of injecting equipment and assault. Two deaths among people who use drugs were reported during this period, with no fatal overdoses reported.

In *Tshwane* 9 613 unique PWID accessed the services, with 497 699 needles and syringes distributed; and 96% returned. 651 people who use drugs tested for HIV among whom 263 tested positive and 251 were started on ART. HIV viral suppression data was reported for 6 people. 1 894 people who use drugs were screened for tuberculosis with 18 being symptomatic, and 1 people diagnosed and 1 starting treatment. 2 people were screened for HCV antibodies with 2 being reactive. 2 people had confirmed infection (of 2 tested) and 2 people started HCV treatment. Of the 2 tested for HBV surface antigen (HBsAg), 0 were reactive. A total of 727 people were on OST at the beginning of the period and 701 at the end of the period. 33 human rights violations were recorded, 73% due to confiscation of injecting equipment. 24 deaths were reported among people who use drugs during this period. No fatal overdoses were reported.

In *West Rand* 1 131 unique PWID accessed the services, with 146 565 needles and syringes distributed; and 97% returned. 307 people who use drugs tested for HIV among whom 139 tested positive and 17 were started on ART. HIV viral suppression data was reported for 6 people. 335 people who use drugs were screened for tuberculosis with 15 being symptomatic, and 1 people diagnosed and 1 starting treatment. No routine hepatitis testing was provided. OST was not available. 135 human rights violations were recorded, 81% due to confiscation of injecting equipment. 0 deaths were reported among people who use drugs during this period.

KWAZULU-NATAL

In *eThekwini* 1 744 unique PWID accessed services, with 290 670 needles and syringes distributed and 102% returned. 474 tested for HIV, among whom 96 tested positive and 92% started ART. HIV viral load suppression was confirmed in 25 PWID. 614 people who use drugs were screened for tuberculosis, 181 were symptomatic, 10 diagnosed and 6 started treatment. 50 people were screened for HCV antibodies with 16 being reactive, 15 people had confirmed HCV infection (of 15 tested) and 0 started HCV treatment. Of the 49 PWID tested for HBV surface antigen (HBsAg), 2 were reactive. 118 people were on OST maintenance therapy at the beginning of the period and 149 at the end of the period. Data on the number of people on low-dose methadone was not available for this period. 266 human rights violations were reported, 84% linked to the confiscation/destruction of needles. Two deaths were reported among people who use drugs. No fatal overdoses reported.

In *uMgungundlovu*, 1 111 unique PWID accessed the services, with 115 530 needles and syringes distributed and 96% returned. 278 PWID tested for HIV, among whom 37 tested positive and 37 started on ART. 12 PWID were confirmed to be virally suppressed during this period. 403 people who use drugs were screened for TB, with 47 being symptomatic, 3 diagnosed and 3 starting treatment. No routine viral hepatitis testing was done. OST was not available. 177 human rights violations were reported, the majority (70%) linked to the confiscation of injecting equipment. 0 deaths were reported among people who use drugs during this period.

MPUMALANGA

In *Ehlanzeni* 547 unique PWID accessed the services, with 16 096 needles and syringes distributed and 76% returned. 430 persons tested for HIV, among whom 77 tested positive and 63 were started on ART. 4 PWID were confirmed to be virally suppressed during this period. 501 people were screened for tuberculosis, with 15 being symptomatic; 2 TB case was confirmed and 2 people started treatment and 1 person was cured. 38 people were screened for HCV among whom 29 were reactive and 15 had confirmed infection (of 15 tested). 49 people were tested for HBsAg, with 4 people identified to be reactive. 95 people were on OST at the beginning of the reporting period and 137 people at the end. 17 human rights violations were reported; 100% linked to confiscation and destruction of injecting equipment. 0 deaths among people who use drugs were reported during this period.

WESTERN CAPE

In the *Cape Metro* 1 788 unique PWID accessed services, with 923 460 needles and syringes distributed and 82% returned. 615 PWID tested for HIV, among whom 70 tested positive and 38 started ART. 2 PWID were confirmed to be HIV viral suppressed. 623 PWID were screened for TB, with 17 being symptomatic, 0 diagnosed, 0 starting treatment and 0 people cured. 29 people were screened for HCV antibodies with 14 being reactive. 8 people had confirmed infection (of 10 tested) and 1started HCV treatment. 30 PWID were screened for HBsAg and 0 were reactive. 175 people were on OST at the beginning of the period and 204 at the end. 55 human rights violations were reported, the majority (64%) linked to confiscated/ destroyed needles and syringes. 23 deaths were reported among people who use drugs, including 1 fatal overdose.

TABLE 7: PWID ACCESSING NEEDLE AND SYRINGE SERVICE AND BEHAVIOUR CHANGE INTERVENTION PROGRAM (JANUARY-JUNE 2023)

Province	Health district	Male	Female	Trans	Median age (yrs)*
Eastern Cape	Nelson Mandela Bay (n=841)	68	32		-
Gauteng	Ekurhuleni (n= 579)	91	9		-
	Johannesburg (n= 10 214)	95	5		-
	Sedibeng (n=1 686)	96	4		-
	Tshwane (n=9 613)	97	3		-
	West Rand (n=1 131)	93	7		
KwaZulu-Natal	eThekwini (n=1 744)	89	11		-
	uMgungundlovu (1 111)	91	9		-
Mpumalanga	Ehlanzeni (n= 547)	95	5		-
Western Cape	Cape Metro (n= 1 744)	89	11		-

*Data on specific age not captured

TABLE 8: COMPARISON OF PROPORTION OF PEOPLE WHO USE DRUGS ACCESSING NEEDLE AND SYRINGE SERVICES (JANUARY – JUNE 2023) WITH CENSUS DATA - BY DISTRICT

Province	District		Black African	Indian	Coloured	White
			%			
Eastern Cape	Nelson Mandela Bay	Population [1]	61	1	24	14
		Accessed service	31	1	32	36
Gauteng	Ekurhuleni	Population [1]	79	3	2	16
		Accessed service	86	1	6	8
	Johannesburg	Population [1]	76	5	6	12
		Accessed service	97	0	1	2
	Sedibeng	Population [1]	74	1	1	24
		Accessed service	98	0	4	2
	Tshwane[2]	Population [1]	75	2	2	21
		Accessed service	95	1	2	3
	West Rand	Population [1]	76	2	1	21
		Accessed service	88	0	4	8
KwaZulu-Natal	eThekwini	Population [1]	73	17	3	7
		Accessed service	89	4	4	4
	uMgungundlovu	Population [1]	90	3	1	6
		Accessed service	97	0	2	1
Mpumalanga[2]	Ehlanzeni	Population [1]	92	1	<1	6
		Accessed service	-	-	-	-
Western Cape	Cape Metro	Population [1]	37	2	42	18
			2	0	90	8

[1] Statistics South Africa, 2011 Census. Where proportions do not add to 100% it is due to rounding, or participants selecting "Other" demographic group. [2] Data not captured

TABLE 9: PEOPLE WITH OPIOID DEPENDENCE ON OPIOID SUBSTITUTION THERAPY, LOST TO FOLLOW-UP AND EXITED (JANUARY – JUNE 2023) - BY DISTRICT

District	Non-injecting/ PWID	Number on OST at start of period	Number initiated on OST for first time	Number restarted	Number LTFU during period	Number exited during period	Number died during period	Number on OST at end of period
Nelson Mandela Bay	Non-injecting	-	-	-	-	-	-	-
	PWID	-	-	-	-	-	-	-
	Total	**-**	**-**	**-**	**-**	**-**	**-**	**-**
City of Ekurhuleni	Non-injecting	0						0
	PWID	43	43	0	0	0	0	43
	Total	**43**	**43**	**0**	**0**	**0**	**0**	**43**
City of Johannesburg	Non-injecting	13	12	0	3	1	1	20
	PWID	299	35	0	5	14	3	312
	Total	**312**	**47**	**0**	**8**	**15**	**4**	**332**
Sedibeng	Non-injecting	0	9	0	0	0	0	9
	PWID	36	33	1	13	11	2	44
	Total	36	42	1	13	11	2	53
City of Tshwane	Non-injecting	371	48	5	7	46	14	357
	PWID	356	29	2	5	30	8	344
	Total	**727**	**77**	**7**	**12**	**76**	**22**	**701**
West Rand	Non-injecting	-	-	-	-	-	-	-
	PWID	-	-	-	-	-	-	-
	Total	**-**	**-**	**-**	**-**	**-**	**-**	**-**
eThekwini*	Non-injecting	23	3	0	0	0	0	26
	PWID	95	63	0	35	0	0	123
	Total	**118**	**66**	**0**	**35**	**0**	**0**	**149**
uMgungundlovu	Non-injecting	-	-	-	-	-	-	-
	PWID	-	-	-	-	-	-	-
	Total	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Ehlanzeni	Non-injecting							0
	PWID	95	59	0	7	9	1	137
	Total	**95**	**59**	**0**	**7**	**9**	**1**	**137**
Cape Metro	Non-injecting	14	11	1	11	0	0	15
	PWID	161	42	2	14	2	0	189
	Total	**175**	**53**	**3**	**25**	**2**	**0**	**204**

* No data on clients on low dose methadone in eThekwini available

IMPLICATIONS FOR POLICY AND FUTURE RESEARCH

SELECTED IMPLICATIONS FOR POLICY/PRACTICE[5]

During the Phase 54 regional report back meetings of SACENDU, a number of recommendations were made with regard to specific interventions needed to address substance use and substance use policy in general:

- Initiate programmes to prevent or delay onset of cannabis by youth in all sites.
- Ensure that adequate drug treatment services are available that are fully accessible/acceptable to female clients.
- Investigate need to initiate programmes to prevent use of methamphetamine during pregnancy in GT and WC.

SELECTED ISSUES TO MONITOR

Phase 54 of the SACENDU Project highlighted several conditions/factors that need to be carefully monitored over time:

- Surveillance of the decrease in treatment demand is required in the WC, EC, NR, CR, KZN, especially for individuals aged 18 years and younger in GT, EC, CR, KZN.
- Monitor the increase in the number of patients indicating a comorbidity (i.e., that they also experience mental health problems) in GT, NR, KZN and EC.
- Investigate the factors driving the increase in social service and school referrals in GT and school referrals in the WC and NR.
- Monitor the increase in referrals by employers and health professionals in CR.
- Monitoring of the increase in methamphetamine as a primary or secondary drug of abuse in GT is required.
- Investigate the increase in alcohol-related treatment demand in the CR.
- Investigate the increase in treatment demand by persons 18 years and younger for cannabis in GT and KZN (especially in KZN) and for heroin/opiates in WC for youths aged 18 and younger.
- Elucidate the factors associated with heroin-related treatment demand in the NR.
- Monitor the decrease in methamphetamine as a primary or secondary drug of abuse in the EC (especially among persons aged ≤18 years) and in the CR as a primary drug of abuse.
- Investigate the occurrence of cocaine as primary drug of abuse in the NR and as secondary drug of abuse in the EC and KZN.
- Establish which factors are associated with the increase in cannabis-related treatment demand among persons ≤18 years in the EC.
- Monitor the increase in treatment demand related to OTC/PRE-medicine use in KZN.
- Surveillance of the high number of reported deaths among PWUD in JHB (34%) and CT (23%) needed as well as the fatal drug overdoses reported in these cities too.

SELECTED TOPICS FOR FURTHER RESEARCH/INVESTIGATION

Phase 54 of the SACENDU Project System highlighted the following topic for further research/investigation:

- What are the most effective ways to prevent or delay onset of cannabis use among adolescents?

LIMITATIONS

Phase 54 of the SACENDU Project highlighted a number of limitations:

- The SACENDU Project is a voluntary system that relies on data from specialist treatment centres. Data is not always submitted in a timely manner due to challenges faced by these centres such as staff constraints, staff turnover, etc.
- Due to the voluntary nature of participating in the SACENDU system, the number of treatment centres contributing data is not always consistent, impacting the comprehensiveness and coverage of the system.
- SACENDU receives admission episode data only. As the system does not receive patient-based data, information on prevalence of substance misuse cannot be generated.
- CAT (synthetic) and KHAT (plant-based) are both stimulant-type substances but fall in distinct substance categories. Due to these substance categories often being reported interchangeably, CAT and KHAT have been analysed and reported as a single class, which does not accurately represent the extent of use as discrete substance categories.

[5] Outcomes emanating from regional meetings held in GP, KZN, PE and CT

SACENDU

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