Central Registration System of Drug Abusers

of Macao

Annual Report of 2011

Drug Dependence Prevention and Treatment Department,

Social Welfare Bureau

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1) Background of the Registration System

To perform good anti-drug work, it is very important to have a good grasps of the drug problems and situations in Macao, including the number of drug abusers and the trend of drug abuse. After referring to relevant methods used by other regions, the Social Welfare Bureau (hereinafter referred to as "SWB") contacted various governmental and non-governmental organizations and formally established a electronic report submitting method "Central Registration System of Drug Abusers of Macao" in 2009, through the collaboration of governmental and non-governmental organizations, the gathering of data of drug abusers in contact are centralized, data obtained are anticipated to better reflect the actual.

Goal

To promote and integrate the force of local relevant organizations. Under the premise of individual privacy protection, collect data, make statistics and analysis information regarding the characteristics and changes of drug abusers in Macao so as to facilitate the establishment of anti-drug related policies and services.

On the other hand, through this system each reporting and cooperating organization may establish a database of the same content to facilitate the acquirement of information of particular drug abusers each organization has contacted in order to help the development of the organization's services.

Content of Registration

Regarding personal identity information, only name, gender and date of birth of the drug abuser will be collected, so that an individual can be identified on the basis that personal privacy is not invaded, in this way repetition of cases can also be avoided. In addition, information regarding place of birth, ethnic, marital status, status of children, residing area, educational background, occupation and criminal record will also be collected, so as to understand drug abusers' social background.

As to drug abuse condition, information regarding drug type, consumption method, consumption time and frequency, drug expense, consumption place and spot, reason for drug abuse, and even his or her drug abuse history and whether needle sharing was involved etc. will also be collected. These data will obviously be references conducive to the government in regards of the establishment of anti-drug

policies and services.

To collect these data, the SWB established a Macao Drug Abusers Central Registration Form (Please refer to Appendix 1) for each unit to fill in and submit.

Operation Method

This project divides a year into two registration periods, i.e. the first half of the year (from January to June) and the second half of the year (from July to December). Each participating unit should fill in the questionnaire and submit it to the SWB in a specific time, the SWB will gather all the data for statistics, analysis, write reports and publish the results regularly. Below is the annual report for 2011, those who are interested can also browse the SWB anti-drugs website www.antidrugs.gov.mo .

2) Report Content for the Whole Year of 2011

In 2011, the Central Registration System of Drug Abusers of Macao received reports from altogether 16 organizations/units including 8 governmental agencies/units and 8 non-governmental organizations/units (for the organizations list, Please refer to Appendix 2).

According to the forms filled in and submitted by the respective units for the whole year of 2011, the number of cases is 1,023, excluding repeated cases, the confirmed number of drug abusers reported is 633. The following are the figures submitted by respective organizations/units.

Figures Reported by respective organizations/units for 2011

| Name of Organization Figures Reported | Figure | s Reported |
|---|---------|------------|
| Name of Organization Figures Reported | Figures | Percentage |
| Social Welfare Bureau-Drug Rehabilitation Center | 491 | 48.0 |
| Macao Prison | 73 | 7.1 |
| Health Bureau - Emergency | 4 | 0.4 |
| Health Bureau - Psychiatry Department | 1 | 0.1 |
| Education and Youth Affairs Bureau | 16 | 1.6 |
| Legal Affairs Bureau – Social reintegration Department | 133 | 13.0 |
| Legal Affairs Bureau - Youth Offenders Institute | 2 | 0.2 |
| Judiciary Police | 86 | 8.4 |
| Macao Teen Challenge Gospel Drug Rehabilitation Centre | 19 | 1.9 |
| Macao Christian New Life Fellowship - Rehabilitation Center | 5 | 0.5 |
| Macao Christian New Life Fellowship - Youth Outreach Department | 72 | 7.0 |
| Macao ARTM - Rehabilitation Center | 38 | 3.7 |
| Macao ARTM - Outreach Department | 60 | 5.9 |
| Macao Renovation and Mutual Assistance Association | 3 | 0.3 |
| Sheng Kung Hui North District Youth Service Team | 17 | 1.7 |
| General Union of Neighbors Association of Macao community Youth | 3 | 0.3 |
| Service Team | | |
| Total number reported by all the organizations | 1,023* | 100.0 |

^{*} Excluding repeated cases, the confirmed number of the drug abusers reported is 633.

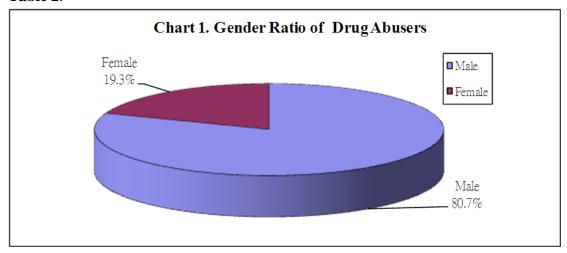
The content of this report will be divided into 5 parts as followed:

- 1. Overall basic information of reported drug abusers;
- 2. Overall drug-abusing status of reported drug abusers;
- 3. Overall Drug-abusing status of reported juvenile drug abusers;
- 4. Changes in the three years;
- 5. Conclusion

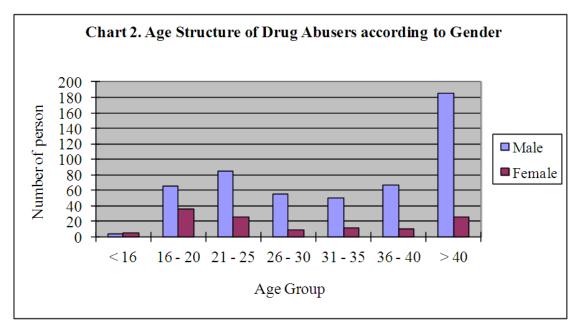
While reading, it should be noted that due to the differences in the working relationship between respective service units and drug abusers while filling in and submitting the forms, some information may not be convenient to be exposed, therefore part of the statistical results may remain unknown, causing the number of the total statistics lesser than the total number of people; some topics are of multiple choice, so the total number of some individual statistics is greater than the overall number of people. In addition, in the Attached Tables 15, 18 and 26, besides the percentage calculated according to the number of people reported is also shown.

1. Overall basic information of reported drug abusers

1.1 Among the 633 drug abusers reported, male accounts for about three fourths (80.7%), and female accounts for 19.3%. Please refer to **Chart 1 and Attached Table 2**.



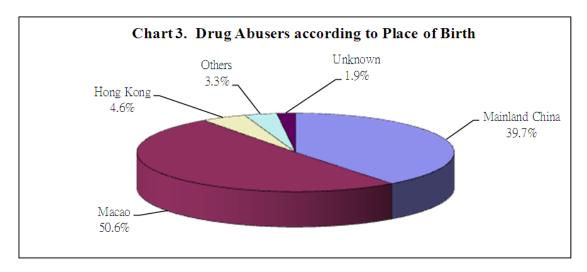
1.2 Among the drug abusers reported, the youngest one is 13 years old, the eldest is 70 years old, and the average age is 34.2. If age 30 is used as a demarcation, drug abusers under 30 years of age account for 44.9% and drug abusers over 30 years of age account for 55.1%. Among the respective age groups, the group over 40 years of age and the group between 21 to 25 years of age are the largest, accounting for 33.3% and 17.4% respectively. There are 9 person under 16 years of age accounting for 1.4%. Please refer to **Chart 2 and Attached Table 3**.



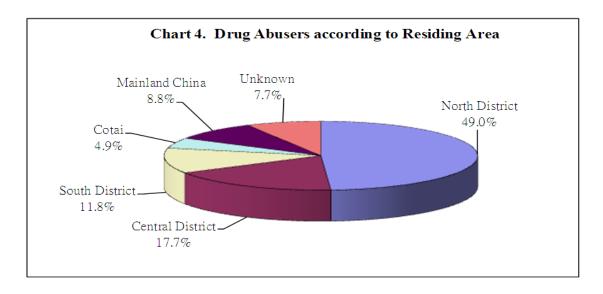
1.3 In terms of gender, further analysis shows that male under 21 years of age accounts for 13.5% of the total number of male; female under 21 years of age

account for 33.6% of the total number of female, which is 16 percent more than that of the total drug abusing population of the same age group (17.4%). Please refer to **Attached Table 3**.

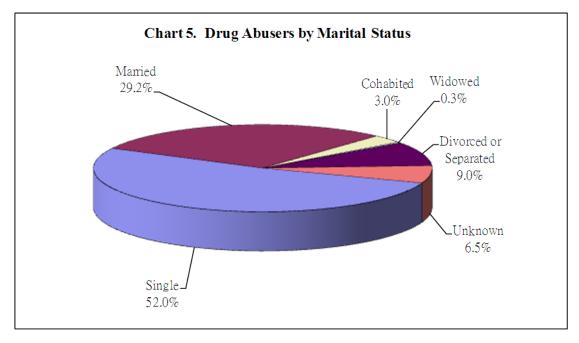
1.4 According to place of birth, the proportion in descending order is: 50.6% Macao, 39.7% Mainland China, 4.6% Hong Kong, and 3% other places. Please refer to **Chart 3 and Attached Table 4**.



- 1.5 According to ethnic, Chinese accounts for 96.2%. Please refer to **Attached Table**
- 1.6 According to resident identity, Macao residents account for 83.7%, and non-Macao residents account for 13.4%. Please refer to **Attached Table 6**.
- 1.7 According to residing area, the proportion in descending order is: North District 49%, Central District 17.7%, South District11.8%, Mainland China 8.8%, Cotai 4.9% and the rest unknown. We can say that most of the reported drug abusers live in North District. Please refer to **Chart 4 and Attached Table 7**.

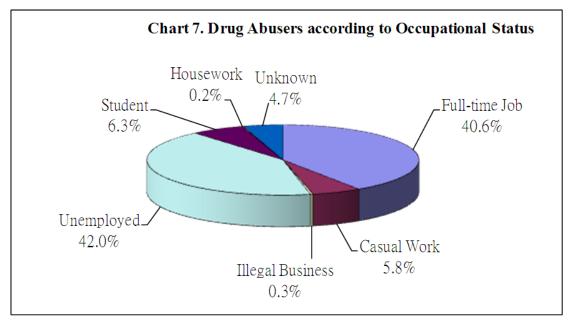


1.8 According to marital status, the proportion in descending order is: 52% single, 29.2% married, 9% divorced or separated, 3% cohabited, 0.3% widowed, and the rest unknown. Please refer to **Chart 5 and Attached Table 8**.

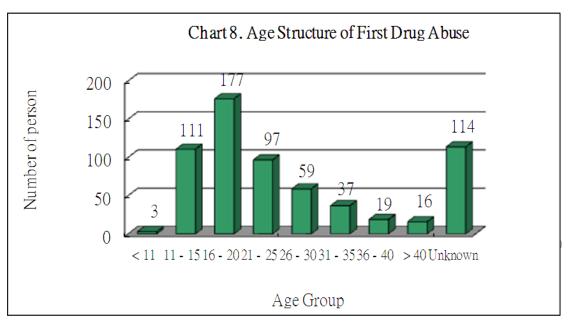


- 1.9 According to status of children, the proportion in descending order is: 43.4% with no children, 29.4% with children, and the rest unknown. Please refer to **Attached Table 9**.
- 11.0 According to educational background, the proportion in descending order is: 34.1% with primary school education, 36.3% with junior high school education, 10% with senior high school education, 0.8% with junior college education or above, 1.3% without educational background and the rest unknown. Please refer to **Chart 6 and Attached Table 10.**

1.11 According to occupational status, the proportion in descending order is: 42% unemployed, 40.6% with full-time job, 6.3% students, 5.8% casual workers, 0.3% in illegal business, and 0.3% house work. Please refer to **Chart 7 and Attached Table 11**.

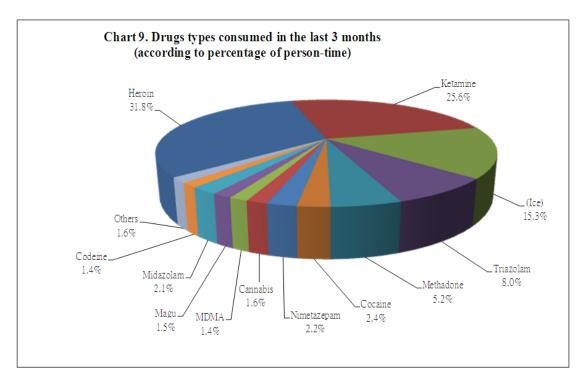


- 1.12 Regarding whether other family members take drugs, the answer of no accounts for 58.1%, yes accounts for 8.1%, and the rest unknown. Please refer to **Attached Table 12**.
- 1.13 Regarding criminal record of reported drug abusers, those with criminal record accounts for 42.8%, those without accounts for 32.7% and the rest unknown. Please refer to **Attached Table 13**.

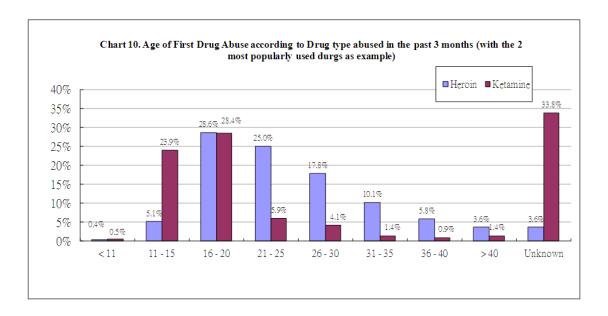


2. Overall Drug-abusing Status of Reported Drug abusers

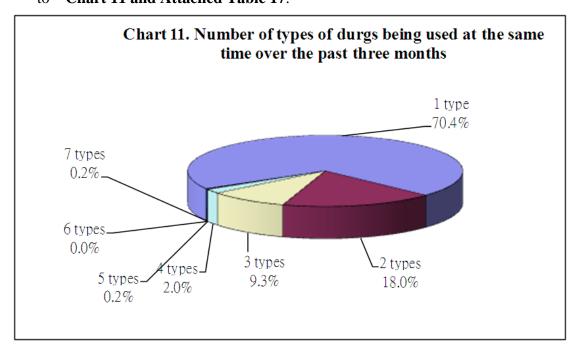
- 2.1 As to the age of first drug abuse, the average age of first drug abuse of the reported drug abusers is 21.8. On the whole, the majority of the drug abusers began drug abuse in their youth, most of them at the age of 16 to 20 (28%). Further more, there is a tendency that female drug abusers began drug abusing comparatively earlier; among female drug abusers those under 16 years of age account for 30.5% of the total female drug abusers, which is also 12% higher than that of the overall drug abusers of the same age group (18%). Please refer to **Chart 8 and Attached Table 14**.
- 2.2 In regards of the popularity of different types of drugs according to the reported 867 cases, the order of the top five types of drugs taken over the past three months is as follow: Heroin ("white powder") 31.8%, Ketamine ("K Zai") 25.6%, ice 15.3%, Triazolam ("Smurfs") 8%. Please refer to **Chart 9 and Attached Table 15**.



- 2.3 If calculation is made according to the confirmed reported number of person 633, the percentage of drug abusers is higher than the percentage calculated according to person-time, the order of the top five types of drugs is as follow: Heroin 43.6%, ketamine ("K Zai") 35.1%, ice 21%, Triazolam ("Smurfs") 10.9. Please refer to **Attached Table 15**.
- 2.4 Data shows that traditional heroin users tend to be elder with an average age of 44.8; while the drug abusers of the new-type drug, ketamine ("K Zai"), tend to be younger with an average age of 23.7. Please also see **Attached Table 15**.
- 2.5 As to the age of first drug abuse, the average age of first drug abuse of the traditional drug heroin is 24.9, and those who began drug abusing at the age of 16 to 30 account for 71.3%. Those who abused the new-type drug ketamine started even earlier, the average age being 18.6, and those who began drug abusing at the age below 21 account for 52.8%. Please refer to **Chart 10 and Attached Table 16**.

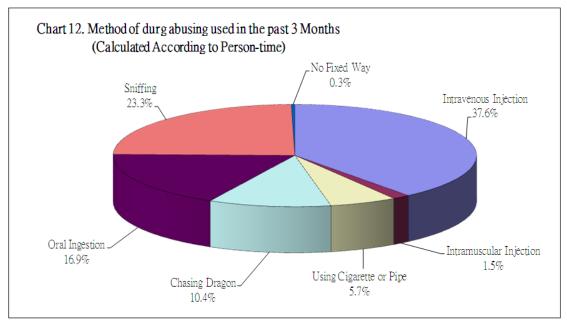


2.6 The majority of the drug abusers use one type of drug, which accounts for 70.4%, 18% of the drug abusers use two types of drugs at the same time, 9.3% for three types, 2% for four types, and 0.2% for 5 types of drugs respectively. Please refer to **Chart 11 and Attached Table 17**.



2.7 The method of intravenous injection is most frequently used in drug abusing with 37.6%, based on the 747 person-time, the order for other methods by proportion is

as follow: 23.3% by sniffing, 16.9% by oral ingestion, 10.4% by dragon chasing, 6.7% by cigarettes or cigarette holders and 1.5% by intramuscular injection. Please refer to **Chart 12 and Attached Table 18**.



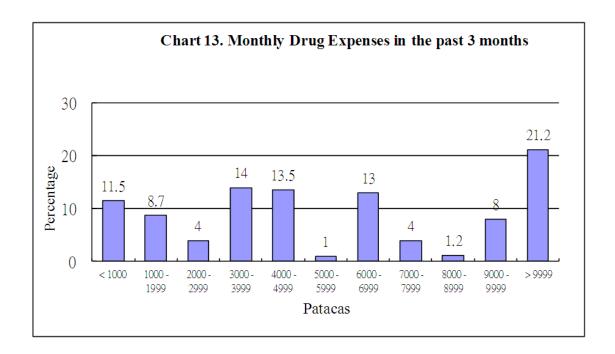
- 2.8 If calculation is made according to the confirmed reported number of person 633, the percentage of drug abusers with different methods of drug abusing is higher than the percentage calculated according to person-time, the order by proportion is as follow: 44.4% by intravenous injection, 27.5% by sniffing, 19.9% by oral ingestion, 12.3% by dragon chasing, 7.9% by cigarettes or cigarette holders, and 1.7% by intramuscular injection. Please refer to **Attached Table 18**.
- 2.9 As to drug expense, the average expense per drug abuser is 7,764 Patacas per month.

Most cases are as follow: 21.2% 10,000 Patacas or above;

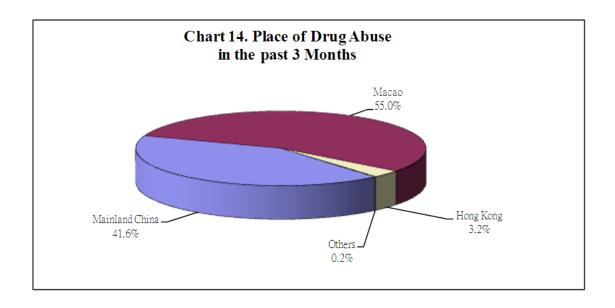
14% between 3000-3999 Patacas, 13.5% between 4000-4999 Patacas,

13% between 6000-6999 Patacas.

Please refer to Chart 13 and Attached Table 19.

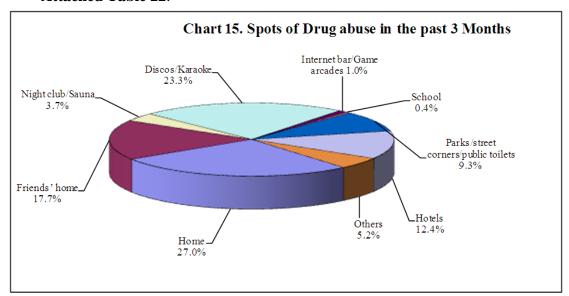


- 2.10 As to the frequency of drug abuse, abusers with over 30 times per month account for 20%, and abusers with less than 30 times per month account for 79.4% Please refer to **Attach Table 20**.
- 2.11 As to the place of drug abuse, the majority being in Macao accounting for 55%, 41.6% in Mainland China, and 3.2% in Hong Kong. Please refer to **Chart 14** and Attached Table 21.

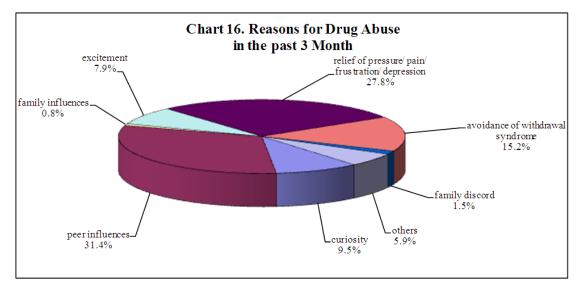


2.12 As to the spots of drug abuse, the order of by proportion is as follow: 27% at

home, 23.3% at Disco/Karaoke, 17.7% at friends' houses, 12.4% at hotels/guest houses, 9.3% at parks/street corners/public toilets, 3.7% at night clubs/saunas, 1% at internet bars/game arcades, 0.4% at schools. Please refer to **Chart 15 and Attached Table 22**.



2.13 As to the reasons for drug abuse, the order by proportion is as follow: 31.4% peer influences, 27.8% for the relief of pressure / pain / frustration / depression, 15.2% for avoidance of withdrawal syndrome, 9.5% for curiosity, 7.9% for excitement, 1.5% family discord and 0.8% for family influence. Please refer to **Chart 16 and Attached Table 23**.



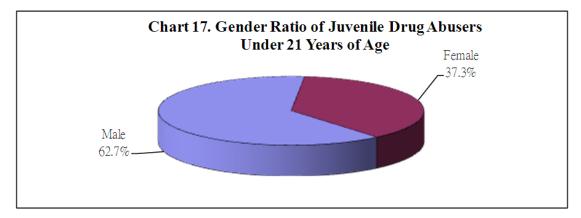
2.14 Among the 633 reported drug abusers, three of them acknowledged needle sharing. Please refer to **Attached Table 24**.

3. Overall Drug-abusing status of reported juvenile drug abusers

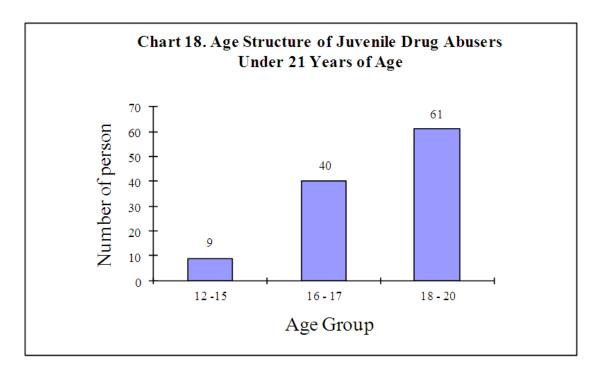
Whereas the community is very concerned about the issue of juvenile drug abusing, this section is especially intended to understand the status of juvenile drug abusers.

In view of the specific meaning attributed by the society and law to some age group, in the following, the age groups of juvenile drug abusers will be divided into four groups, i.e. under 12 (without any reported case of this age group in the past three years), from 12 to 15, from 16 to 17 and from 18 to 20.

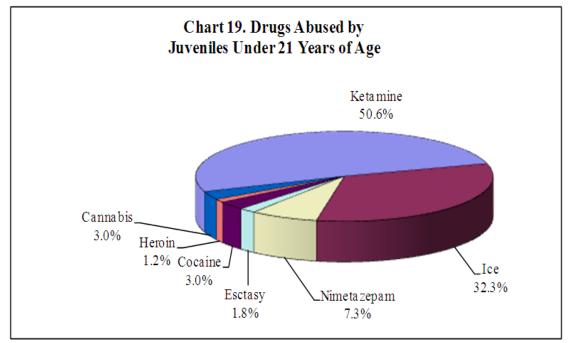
- 3.1 Among the 633 drug abusers registered in the system, 110 drug abusers, i.e. about 17.4% are under 21 years of age. Please refer to **Attached Table 25.**
- 3.2 Among 110 drug abusers under 21 years of age, male accounts for 62.7%, and female accounts for 37.3%. Please refer to **Chart 17 and Attached Table 25**.



3.3 The average age of these juveniles is 17.7, while the average age of first drug abuse is 14.7. More than half of the juvenile drug abusers are minors (under 18 years of age) accounting for 44.5%, and those (under 16 years of age) who have not reached the age of criminal responsibility account for 8.2%. Also Please refer to **Chart 18 and Attached Table 25**.

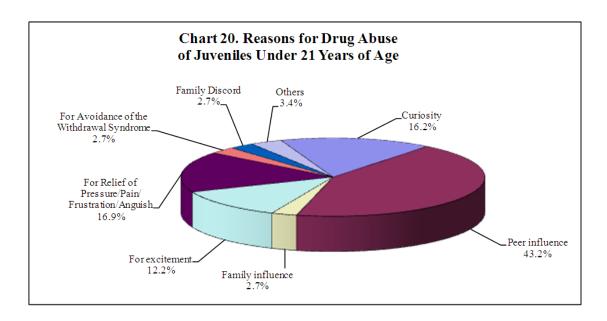


3.4 The majority uses ketamine, which accounts for 50.6% based on the 164 person-time reported, followed by ice which accounts for 32.3%, and then Nimetazepam 7.3%, Cocaine and Cannabis 3% respectively and Heroin which accounts for 1.2%. Please refer to **Chart 19 and Attached Table 26**.

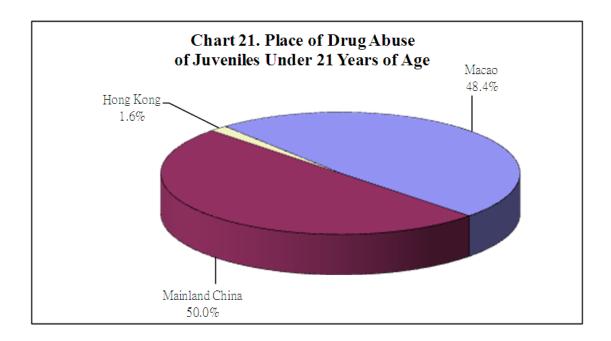


- 3.5 Based on the 110 people involved, those who abused ketamine account for 75.5%, ice 48.2%, Nimetazepam 10.9%, Cocaine and Cannabis 4.5% respectively and Heroin 1.8%. Please refer to **Attached Table 26**.
- 3.6 As to the reason for drug abuse, the majority 43.2% being peer influences,

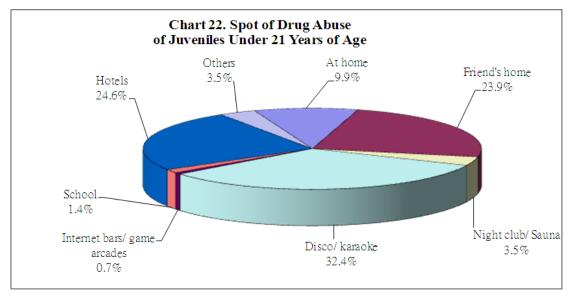
followed by 16.9% for curiosity, then 16.2% for relief of pressure / pain / frustration / depression, and 12.2% for excitement. Please refer to **Chart 20 and Attached Table 27**.



3.7 As to the place for drug abuse, the majority being in Macao which accounts for 50%, and 48.4% in Mainland China. Please refer to **Chart 21 and Attached Table 28**.



3.8 As to the spots of drug abuse, the majority being 32.4% at Disco/Karaoke, followed by 24.6% at hotel, 23.9% at friends' houses, 9.9% at home, 3.5% at night clubs/saunas, 1.4% at school and 0.7% at internet bars/game arcades. Please refer



to Chart 22 and Attached Table 29.

4. Comparison of the three years

Since this electronic report method has been working for 3 years already, we can make yearly comparison intending to look at the changes in the tendency.

In the following, contents are based on the order of the questionnaire, comparison of the first two most popular answers to each question are being made (in some parts, topics of concern such as "Student" in Occupational Status are also being listed), in addition, items that shows a difference of 5% or above in the comparison of the first half and second half of the year are being underlined by dotted lines and arrowed for easy reading:

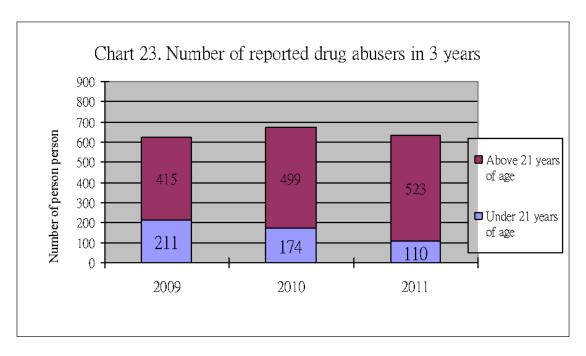
Comparison Table regarding the Status of the First Half, Second Half of the Year and the Whole Year of 2009

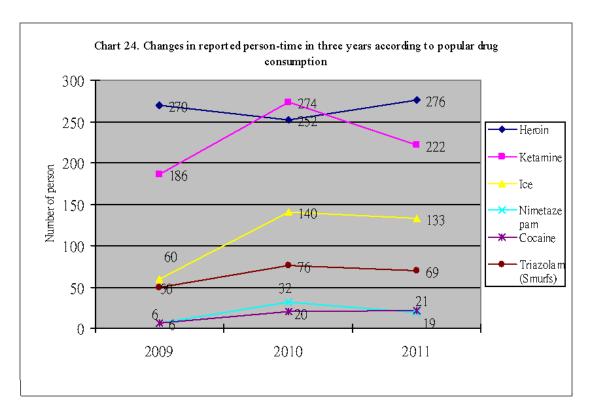
| Serial No. | Status of Drug Abuser | _ | or Specific Uni ording to each | |
|---------------|--|------|-----------------------------------|-------|
| 110. | | 2009 | 2010 | 2011 |
| Overall S | Status | | | |
| 1 | Number of Drug Abusers Reported | 626 | 673 ↑ | 633 ↓ |
| 2 | Sex: Male | 76.5 | 76.8 | 80.7 |
| | Female | 23.5 | 23.2 | 19.3 |
| 3 | Average Age | 31.6 | 31.9 | 34.2 |
| 4 | The Biggest Age Group: | 30.5 | 22.7↓ | 16↓ |
| | 16-20 Years of Age 40 Years of Age or Above | 29.6 | 28.2 | 33.3↑ |
| 5 | Average Age of First Drug Abuse | 21.5 | 21.4 | 21.8 |

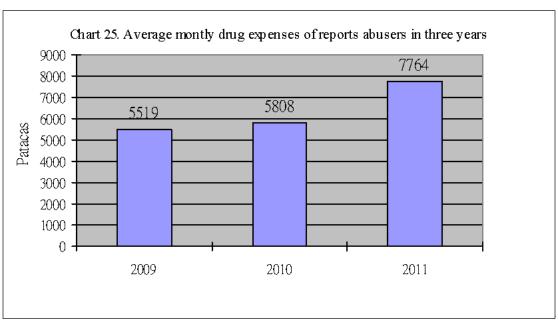
| 6 | Age Group of Firs Drug Abuse: 16-20 Years of Age | 25.7 | 25.9 | 28 |
|----------|--|---------|---------|---------|
| 7 | Place of Birth: Macao | 56.5 | 52.2 | 50.6 |
| | Mainland China | 36.9 | 34.5 | 39.7↑ |
| 8 | Ethnic: Chinese | 96.5 | 94.8 | 96.2 |
| 9 | Resident Identify: Macao Resident | 79.4 | 83.7 | 83.7 |
| 10 | Residing Area: North District | 45.4 | 49.2 | 49 |
| 11 | Marital Status: Single | 61.5 | 62.1 | 52↓ |
| 12 | Children Status: Childless | 52.7 | 49 | 43.4↓ |
| 13 | Educational Background: | 35.5 | 32.5 | 34.1 |
| | Primary School Junior High School | 36.4 | 38 | 36.3 |
| 14 | Occupational Status: Unemployed | 43.6 | 44.7 | 42 |
| | Student | 9.4 | 8 | 6.3 |
| 15 | Other Family Members that uses Drug: No | 55.1 | 57.8 | 58.1 |
| 16 | Criminal Record: Yes | 33.4 | 40↑ | 42.8 |
| 17 | Type of Drugs Abused: (Calculated | 37.2 | 27.2↓ | 31.8 |
| | According to Person-time): Heroin Ketamine | 25.7 | 29.6↑ | 25.6 |
| 18 | Average Age of Heroin Abuse | 43 | 44.7 | 44.8 |
| 19 | Average Age of ketamine Abuse | 19.7 | 23.2 ↑ | 24.3 |
| 20 | Only uses one type of Drug | 69.4 | 71.3 | 70.4 |
| 21 | Drug abuse by Intravenous Injection (Calculated According to Person-time) | 41.1 | 32.6↓ | 37.6↑ |
| 22 | Monthly Drug Expenses: | 16.7 | 22.4↑ | 11.5↓ |
| | Less than 1000 Patacas 6000-6999 Patacas | 13.3 | 11.9 | 13 |
| | 10000 Patacas or Above | 15.5 | 11.2 | 21.2↑ |
| 23 | Average Monthly Drug Expenses: | 5519 | 5809 ↑ | 7764 ↑ |
| | | Patacas | Patacas | Patacas |
| 24 | Frequency of Drug Abuse: Less than 30 Times per Month: | 73.6 | 81.6↑ | 79.4 |
| 25 | Place of Drug Abuse: Macao | 58.1 | 55.8 | 55 |
| | Mainland China | 39.5 | 40.5 | 41.6 |
| 26 | Spot of Drug Abuse: | 30.2 | 25.7 | 27 |
| | At Home At Karaoke/Disco | 26.6 | 23.1 | 23.3 |
| 27 | Reason for Drug Abuse: | 26.9 | 28.4 | 31.4 |
| | Peer Influences For Relief of Pressure | 26.1 | 27 | 27.8 |
| 28 | Needle Sharing Involved | 0.2 | 0.4 | 0.5 |
| Regardir | ng Juveniles | 0.2 | U.T | 0.5 |
| 29 | Number of the Juvenile Drug Abusers Reported | 221 | 174↓ | 110↓ |
| 1 | | | | |

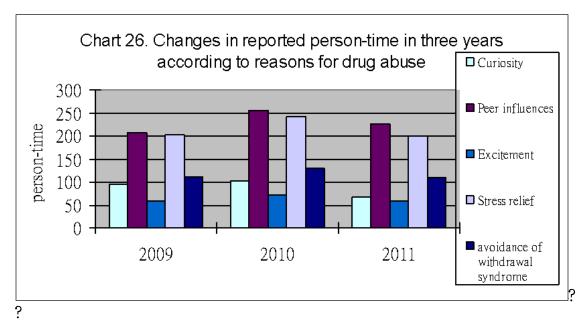
| 30 | Overall Proportion occupied by Juvenile Drug Abusers | 35.3 | 25.9↓ | 17.4↓ |
|----|---|------|-------|-------|
| 31 | Gender: Male | 61.1 | 60.3 | 62.7 |
| 32 | Average Age | 17.4 | 17.6 | 17.7 |
| 33 | Average Age of First Drug Abuse | 14.8 | 14.8 | 14.7 |
| 34 | Proportion occupied by Juvenile (under 16 years of age) who have not reached the age of criminal responsibility among Juvenile Drug Abusers | 13.6 | 12.1 | 8.2 |
| 35 | Proportion occupied by Minors (under 18 Years of Age) among Juvenile Drug Abusers | 53.8 | 50 | 44.5 |
| 36 | Types of Drug Abused (Calculated According | | | |
| | to the Person-time): Ketamine: | 63.4 | 53.3↓ | 50.6 |
| | Ice: | 16 | 32.2↑ | 32.3 |
| 37 | Reasons for Drug Abuse: Peer Influences | 41.1 | 39.1 | 43.2 |
| 38 | Place of Drug Abuse: Macao | 56 | 51.6 | 48.4↓ |
| 39 | Spot of Drug Abuse: At Home | 8.9 | 12.2 | 9.9 |
| | At Friend's House At Karaoke/Disco | 22.6 | 22.4 | 23.9 |
| | | 33.9 | 28↓ | 32.4↑ |

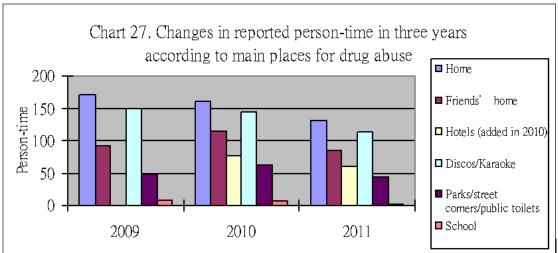
The following charts show some changes in the three years in areas of public concern . Please refer to **Chart 23 to Chart 27**.











5. The Study of Severity of Youth Drug Abuse 2010/2011

To have a better grasp of drug problems and the situation, of, the Narcotics Control Commission decided to add data of the severity of Youth drug abuse in the central registration system after discussions and resolutions to better understand the situation and trends of drug abuse in Macao. Concerning the collection of data, a combination of the Drug Abuse Screening Test and the data of the Central Registration System of Drug Abusers of Macao are being used, the pilot scheme was launched in 2010, the Social Welfare Bureau together with three high-risk/drug abuse youth outreach service teams are in charge of the project. Using the above mentioned Drug Abuse Screening Test drug abuse youth are being interviewed, combining with the data of the Central Registration System of Drug Abusers of Macao, statistical

analysis are being done in order to better assess the youth drug abuse trend of Macao and to provide directions for the implementation of youth drug abuse prevention policies in the future.

In this study, three youth outreach service teams (General Union of Neighbors Association of Macao Community Youth Service Team, Macao Christian New Life Fellowship Youth Development Department, Sheng Kung Hui North District Youth Service Team) interviewed youth with danger of drug abuse and filled in the Drug Abuse Screening Test (DAST-20) questionnaire during 2010 and 2011. Combining the opinion of the research and academic unit (Hong Kong Playground Association, consultant Mr. Wan Lap Man) and the data of the Central Registration System of Drug Abusers of Macao, statistical analysis were carried out.

Result

After collecting the data of 112 young people in Macao as study samples, through data analysis and calculations, the average score of the severity of drug abuse is 6.64, ie, moderate. According to the ASAM standard in the following table, if the result is between 6-10 that particular case requires outpatient intensive drug treatment.

Explanation of DAST-20 Scores

| Danger of Drug abuse | DAST-20 Scores | Recommend appropriate action | ASAM standard |
|----------------------|----------------|-------------------------------|-----------------|
| No | 0 | Continue to monitor | |
| Low | 1 – 5 | Counseling follow-up | Level I |
| Moderate | 6 – 10 | Outpatient (intensive) | Level I or II |
| Deep | 11 – 15 | Intensive treatment follow-up | Level II or III |
| Very serious | 16 – 20 | Intensive treatment follow-up | Level III or IV |

ASAM: American Association of addictive drugs - addiction patients resettlement criteria (Mee-Lee's, D. & American Society of Addiction Wild Medicine, 2001)

(Note: detailed research report available at the anti-drug website: www.antidrug.gov.mo)

In terms of the severity of youth drug abuse, according to relevant research data which will help to further understand the characteristics of youth drug abuse problem, the analysis result shows an average score of 6.64 for the severity of drug abuse, which is moderate, showing that particular cases require intensive outpatient drug treatment.

6. Conclusion

Since the implementation of the electronized "Central Registration System of Drug Abusers of Macao" in 2009, through support and collaboration by relevant government departments and non-governmental organizations, network for data collection has been expanded and is functioning well.

According to the statistical results, 633 drug abusers were recorded in 2011 which is 5.9% less in comparison with last year. Their average age of first drug abuse is 21.8, and there is a tendency that female began drug abuse at a younger age. On the other hand, the proportion of young female drug abusers is higher. The majority of drug abusers has low educational background and is unemployed, the majority uses heroin and ketamine. About 30% of the drug abusers use two types or more of drugs, 40% have abused drug in Mainland China, 55% uses drugs at relatively "hidden" places such as home, friends' home or at hotels. According to the drug abusers the main reason for drug abuse is peer influences.

The statistical results of 2011 is similar to previous years, larger changes include: age of reported drug abusers has raised, from last year's average age of 31.9 to 34.1, there are 110 juvenile drug abusers under 21 years of age accounting for 17.4%, which was 35.3% and 25.9% in 2009 and 2010 respectively, showing a constant decrease. The monthly average drug expenses of reported abusers is 7,764 Patacas, showing an increase of 33.7% in comparison with last year. Besides, it is worth noted that there is an increase of reported abusers who are married and with children, the harm of drug abuse on their family is likely to increase.

3) Attached Tables

The following are statistical tables made according to the data collected by the Central Registration System of Drug Abusers of Macao in the past three years, in the Attached Tables 15, 18 and 26, besides the percentage calculated according to the number of person-time, in responds to the actual need, the percentage calculated according to the number of people reported is also shown.

Table 1. Number of cases reported by each Reporting Organizations/ Units

| Organization | | Nu | mber of | cases repor | ted | |
|--|----------|------------|----------|-------------|----------|------------|
| | 2 | 2009 | | 2010 | | 2011 |
| | Quantity | Percentage | Quantity | Percentage | Quantity | Percentage |
| Social Welfare Bureau - | 459 | 48 | 459 | 43.4 | 491 | 48 |
| Drug Rehabilitation Center | | | | | | |
| Macao Prison | 65 | 6.8 | 80 | 7.6 | 73 | 7.1 |
| Health Bureau - Emergency | 1 | 0.1 | 5 | 0.5 | 4 | 0.4 |
| Health Bureau - Psychiatry Department | 3 | 0.3 | 8 | 0.8 | 1 | 0.1 |
| (joined in the 2nd half year of 2009) | | | | | | |
| Education and Youth Affairs Bureau | 17 | 1.8 | 20 | 1.9 | 16 | 1.6 |
| Legal Affairs Bureau – Social | 74 | 7.7 | 108 | 10.2 | 133 | 13 |
| reintegration Department | | | | | | |
| Legal Affairs Bureau - Youth Offenders | 11 | 1.1 | 5 | 0.5 | 2 | 0.2 |
| Institute | | | | | | |
| Judiciary Police | - | - | 111 | 10.5 | 86 | 8.4 |
| (joined in 2010) | | | | | | |
| Macao Teen Challenge Gospel Drug | 14 | 1.5 | 14 | 1.3 | 19 | 1.9 |
| Rehabilitation Centre | | | | | | |
| Macao Christian New Life Fellowship - | 16 | 1.7 | 7 | 0.7 | 5 | 0.5 |
| Rehabilitation Center | | | | | | |
| Macao Christian New Life Fellowship - | 136 | 14.2 | 100 | 9.5 | 72 | 7 |
| Youth Outreach Department | | | | | | |
| Macao ARTM - Rehabilitation Center | 37 | 3.9 | 28 | 2.6 | 38 | 3.7 |
| Macao ARTM - Outreach Department | 56 | 5.9 | 67 | 6.3 | 60 | 5.9 |
| Macao Renovation and Mutual Assistance | 7 | 0.7 | - | - | 3 | 0.3 |
| Association | | | | | | |
| Sheng Kung Hui North District Youth | 34 | 3.6 | 33 | 3.1 | 17 | 1.7 |

| Service Team | | | | | | |
|--------------------------------------|-----|-----|------|-----|------|-----|
| General Union of Neighbors | 27 | 2.8 | 13 | 1.2 | 3 | 0.3 |
| Association of Macao community Youth | | | | | | |
| Service Team | | | | | | |
| Total Number Submitted by All the | 957 | 100 | 1058 | 100 | 1023 | 100 |
| Organizations | | | | | | |

^{*} Excluding repeated cases, the confirmed number of the drug abusers reported in 2009 is 626, 673 in 2010 and 633 in 2011.

Table 2. Drug Abusers by Gender

| Gender | 2 | 2009 | 2 | 2010 | 2011 | | |
|--------|---------------------|------|--------|------------|--------|------------|--|
| | Number Percentage N | | Number | Percentage | Number | Percentage | |
| Male | 479 | 76.5 | 517 | 76.8 | 511 | 80.7 | |
| Female | 147 | 23.5 | 156 | 23.2 | 122 | 19.3 | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | |

Table 3. Age Structure of Drug Abusers according to Gender

| | dı | | | 2 | 2009 | | | 2010 | | | | | 2011 | | | | | | |
|---------|-------|-----|------|-----|-------|-----|-------|------|------|-----|-------|-----|--------------|-----|------|-----|-------|-----|-------|
| Age | Group | N | Male | Fe | emale | 7 | Total | N | Male | F | emale | ŗ | Fotal | I | Male | F | emale | 7 | Total |
| | 9 | No. | Pct. | No. | Pct. | No. | Pct. | No. | Pct. | No. | Pct. | No. | Pct. | No. | Pct. | No. | Pct. | No. | Pct. |
| < 16 | | 9 | 1.9 | 21 | 14.3 | 30 | 4.8 | 9 | 1.7 | 12 | 7.7 | 21 | 3.1 | 4 | 0.8 | 5 | 4.1 | 9 | 1.4 |
| 16 - 20 | 0 | 126 | 26.3 | 65 | 44.2 | 191 | 30.5 | 96 | 18.6 | 57 | 36.5 | 153 | 22.7 | 65 | 12.7 | 36 | 29.5 | 101 | 16 |
| 21 - 2 | 5 | 59 | 12.3 | 11 | 7.5 | 70 | 11.2 | 102 | 19.7 | 25 | 16 | 127 | 18.9 | 85 | 16.6 | 25 | 20.5 | 110 | 17.4 |
| 26 - 30 | 0 | 19 | 4 | 7 | 4.8 | 26 | 4.2 | 45 | 8.7 | 15 | 9.6 | 60 | 8.9 | 55 | 10.8 | 9 | 7.4 | 64 | 10.1 |
| 31 - 3 | 5 | 41 | 8.6 | 11 | 7.5 | 52 | 8.3 | 42 | 8.1 | 15 | 9.6 | 57 | 8.5 | 50 | 9.8 | 11 | 9 | 61 | 9.6 |
| 36 - 40 | 0 | 60 | 12.5 | 12 | 8.2 | 72 | 11.5 | 53 | 10.3 | 12 | 7.7 | 65 | 9.7 | 67 | 13.1 | 10 | 8.2 | 77 | 12.2 |
| > 40 | | 165 | 34.4 | 20 | 13.6 | 185 | 29.6 | 170 | 32.9 | 20 | 12.8 | 190 | 28.2 | 185 | 36.2 | 26 | 21.3 | 211 | 33.3 |
| Total | | 479 | 100 | 147 | 100 | 626 | 100 | 517 | 100 | 156 | 100 | 673 | 100 | 511 | 100 | 122 | 100 | 633 | 100 |

Table 4. Drug Abusers by Place of Birth

| Place of | 200 | 09 | 20 | 010 | 2011 | | |
|-------------------|--------|------------|--------|------------|--------|------------|--|
| Birth | Number | Percentage | Number | Percentage | Number | Percentage | |
| Mainland China | 231 | 36.9 | 232 | 34.5 | 251 | 39.7 | |
| Macao | 354 | 56.5 | 351 | 52.2 | 320 | 50.6 | |
| Hong Kong | 12 | 1.9 | 31 | 4.6 | 29 | 4.6 | |
| Other | 19 | 3 | 24 | 3.6 | 21 | 3.3 | |
| Unknown | 10 | 1.6 | 35 | 5.2 | 12 | 1.9 | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | |

Table 5. The Drug Abusers by Ethnic

| Ethnic | | 2009 | | 2010 | 2011 | | |
|---------|--------|------------|--------|------------|--------|------------|--|
| | Number | Percentage | Number | Percentage | Number | Percentage | |
| Chinese | 604 | 96.5 | 638 | 94.8 | 609 | 96.2 | |
| Other | 13 | 2.1 | 20 | 3 | 17 | 2.7 | |
| Unknown | 9 | 1.4 | 15 | 2.2 | 7 | 1.1 | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | |

Table 6. Drug Abusers by Resident Status

| Resident | | 2009 | | 2010 | 2011 | | | |
|-----------------------|--------|------------|--------|------------|--------|------------|--|--|
| Status | Number | Percentage | Number | Percentage | Number | Percentage | | |
| Macao Resident | 497 | 79.4 | 563 | 83.7 | 530 | 83.7 | | |
| Non-Macao Resident | 51 | 8.1 | 79 | 11.7 | 85 | 13.4 | | |
| Unknown | 78 | 12.5 | 31 | 4.6 | 18 | 2.8 | | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | | |

Table 7. Drug Abusers by Residing Area

| Residing | | 2009 | | 2010 | | 2011 |
|---------------------|--------|------------|--------|------------|--------|------------|
| Area | Number | Percentage | Number | Percentage | Number | Percentage |
| North District | 284 | 45.4 | 331 | 49.2 | 310 | 49 |
| Central District | 81 | 12.9 | 117 | 17.4 | 112 | 17.7 |
| South District | 61 | 9.7 | 76 | 11.3 | 75 | 11.8 |
| Taipa and Coloane | 18 | 2.9 | 25 | 3.7 | 31 | 4.9 |
| Mainland China | 45 | 7.2 | 47 | 7 | 56 | 8.8 |
| Unknown | 137 | 21.9 | 77 | 11.4 | 49 | 7.7 |

| Total | 626 | 100 | 673 | 100 | 633 | 100 |
|-------|-----|-----|-----|-----|-----|-----|
|-------|-----|-----|-----|-----|-----|-----|

Table 8. Drug Abusers by Marital Status

| Marital Status | | 2009 | | 2010 | | 2011 |
|--------------------------|--------|------------|--------|------------|--------|------------|
| | Number | Percentage | Number | Percentage | Number | Percentage |
| Single | 385 | 61.5 | 418 | 62.1 | 329 | 52 |
| Married | 133 | 21.2 | 152 | 22.6 | 185 | 29.2 |
| Cohabited | 15 | 2.4 | 19 | 2.8 | 19 | 3 |
| Widowed | 1 | 0.2 | 2 | 0.3 | 2 | 0.3 |
| Divorced or Separated | 52 | 8.3 | 59 | 8.8 | 57 | 9 |
| Unknown | 40 | 6.4 | 23 | 3.4 | 41 | 6.5 |
| Total | 626 | 100 | 673 | 100 | 633 | 100 |

Table 9. Drug Abusers by Children Status

| Children | | 2009 | | 2010 | 2011 | | |
|------------------|--------|------------|-------------------|------|--------|------------|--|
| Status | Number | Percentage | Number Percentage | | Number | Percentage | |
| With Children | 158 | 25.2 | 178 | 26.4 | 186 | 29.4 | |
| Childless | 330 | 52.7 | 330 | 49 | 275 | 43.4 | |
| Unknown | 138 | 22 | 165 | 24.5 | 172 | 27.2 | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | |

Table 10. Drug Abusers by Educational Background

| Educational | | 2009 | | 2010 | 2011 | | |
|------------------------------|--------|------------|--------|------------|--------|------------|--|
| Background | Number | Percentage | Number | Percentage | Number | Percentage | |
| No Educational Background | 6 | 1 | 6 | 0.9 | 8 | 1.3 | |
| Primary School | 222 | 35.5 | 219 | 32.5 | 216 | 34.1 | |
| Junior High School | 228 | 36.4 | 256 | 38 | 230 | 36.3 | |

| Senior High School | 60 | 9.6 | 68 | 10.1 | 63 | 10 |
|----------------------------|-----|------|-----|------|-----|------|
| Junior College or Above | 4 | 0.6 | 7 | 1 | 5 | 0.8 |
| Unknown | 106 | 16.9 | 117 | 17.4 | 111 | 17.5 |
| Total | 626 | 100 | 673 | 100 | 633 | 100 |

Table 11. Drug Abusers by Occupational Status

| Occupational | | 2009 | | 2010 | | 2011 |
|------------------|--------|------------|--------|------------|--------|------------|
| Status | Number | Percentage | Number | Percentage | Number | Percentage |
| Full-time Job | 143 | 22.8 | 243 | 36.1 | 257 | 40.6 |
| Casual Work | 34 | 5.4 | 37 | 5.5 | 37 | 5.8 |
| Illegal Business | 5 | 0.8 | 7 | 1 | 2 | 0.3 |
| Unemployed | 273 | 43.6 | 301 | 44.7 | 266 | 42 |
| Student | 59 | 9.4 | 54 | 8 | 40 | 6.3 |
| Housework | 4 | 0.6 | 2 | 0.3 | 1 | 0.2 |
| Unknown | 108 | 17.3 | 29 | 4.3 | 30 | 4.7 |
| Total | 626 | 100 | 673 | 100 | 633 | 100 |

Table 12. Drug Abusers with Family Members using Drugs

| Other Family | | 2009 | | 2010 | 2011 | | |
|------------------------|--------|------------|--------|------------|--------|------------|--|
| Members that uses Drug | Number | Percentage | Number | Percentage | Number | Percentage | |
| Yes | 49 | 7.8 | 53 | 7.9 | 51 | 8.1 | |
| No | 345 | 55.1 | 389 | 57.8 | 368 | 58.1 | |
| Unknown | 232 | 37.1 | 231 | 34.3 | 214 | 33.8 | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | |

Table 13. The Drug Abusers by Whether They Have Criminal Records

| Criminal | | 2009 | | 2010 | 2011 | | | |
|----------|--------|------------|--------|------------|--------|------------|--|--|
| Records | Number | Percentage | Number | Percentage | Number | Percentage | | |
| Yes | 209 | 33.4 | 269 | 40 | 271 | 42.8 | | |
| No | 186 | 29.7 | 218 | 32.4 | 207 | 32.7 | | |
| Unknown | 231 | 36.9 | 186 | 27.6 | 155 | 24.5 | | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | | |

Table 14. Age of First Drug Abuse by Gender according to Data of the Whole Year

| Age Group | | | | QXX? | | | | | | QPO | | | | | Ç | (DPP? | | |
|-------------------|--------|------------|--------|------------|--------|------------|--------|-------------|--------|------------|--------|--------------|-------------|------------|--------|------------|--------|------------|
| ? | ľ | Male | F | emale | , | Total |] | Male | F | emale | , | Total | Male Female | | | Total | | |
| | Number | Percentage | Number | Percentage | Number | Percentage | Number | Percentage | Number | Percentage | Number | Percentage | Number | Percentage | Number | Percentage | Number | Percentage |
| [? P ? | Ç | 08 | Р | OM | R | OM | Q | 0)81 | Р | OM | R | 08 | Ç | 08 | Р | OW | R | OXI |
| PHPIPI? | W | PWS | SX | RRW | PRV | QPM | ХR | PW | ST | QWM | PRW | QOM | Vľ | PSIM | RU | QXVI | PPP | PMI |
| PUIQO | FRS | QV | QV. | PWM | RP | QIM | PSP | QM X | RR | QPMI | PVS | QIIX | PIR | XXX | QS | PXW | PW | QV |
| PIQI? | UX | PSN | FS | XVI | WR | PRW | WR | PUM | PS | Х | XV | PSN a | WS | PUM | PR | POM | XV | PIM |
| QHRO | TC | POM | PR | WW | UR | POM | TC | XW | PU | POM | W | XW | SV | XV | PÇ. | XW | TX | XW |
| RPIRI? | RS | WA | R | Ç | RV | ML | RQ | UM | ς | PW | RS | TIM2 | RV | W | С | С | RV | TM |
| RUI2SO? | Œ | SVA | Р | OM | P | RM | FR | QMI | R | PM | PU | QØ | PT | QX | S | RW | PX | R |
|] 3507 | PP | QW | R | Ç | PS | QQ | PT | QM | Р | OM | PU | QØ | PS | QM | ς | PM | PU | QVI |
| Unknown | VP | PSW | RU | QSM | POV | PMM | W | PV | SP | QIM | PQX | PXVQ | WS | PUM | RC | QSVI | PPS | PW |
| Total | SVX | POC | PSV | POC | υ | POC | TPV | POC | PIU | POC | UVR | POC | TPP: | POC | PQC | POC | URR | POC |

Note: The overall average age of first drug abuse in 2009 is 21.5, 21.4 in 2010 and 21.8 in 2011.??

Table 15. Substances Abused in the Most Recent 3 Months

| | | | 2009 | | | 2010 | | | | | 2011 | | | | |
|-------------------|----------------|-----------------|-------------------------|---|-----|-----------------|---|---|-----|------|----------------------------|---|--|--|--|
| Name of Substance | Average Age | Person- Time | Calculated According | 0 | Age | Person- Time | 0 | Calculated According to the Total 673 People | Age | Time | Calculated According to | Percentage Calculated According to the Total 633 People Reported | | | |
| | | | | | | | | | | | | | | | |

| Heroin | 43.0 | 270 | 37.2 | 43.1 | 44.7 | 252 | 27.2 | 37.4 | 44.8 | 276 | 31.8 | 43.6 |
|--|-------|-------|-------|------|-------|-------|-------|------|-------|-------|------|-------|
| Methadone | 43.9 | 36 | 5.0 | 5.8 | 45.8 | 43 | 4.6 | 6.4 | 46.4 | 45 | 5.2 | 7.1 |
| Morphine Ampoules | 50.0 | 2 | 0.3 | 0.3 | 47.0 | 4 | 0.4 | 0.6 | 42.4 | 5 | 0.6 | 0.8 |
| Cannabis | 33.0 | 8 | 1.1 | 1.3 | 26.9 | 21 | 2.3 | 3.1 | 27.6 | 14 | 1.6 | 2.2 |
| Quinalbarbitone (Secobarbital) A barbiturate | - | - | - | - | 1 | 1 | - | - | 25.0 | 1 | 0.1 | 0.2 |
| Methylamphetamine (Ice) | 23.5 | 60 | 8.3 | 9.6 | 24.4 | 140 | 15.1 | 20.8 | 25.7 | 133 | 15.3 | 21 |
| Cocaine | 21.7 | 6 | 0.8 | 1.0 | 24.9 | 20 | 2.2 | 3.0 | 24.4 | 21 | 2.4 | 3.3 |
| MDMA (Ecstasy) | 22.7 | 24 | 3.3 | 3.8 | 24.5 | 15 | 1.6 | 2.2 | 25.2 | 13 | 1.4 | 2.1 |
| Magu | 36.5 | 2 | 0.3 | 0.3 | 35.5 | 4 | 0.4 | 0.6 | 28.7 | 3 | 1.5 | 0.5 |
| Chlordiazepoxide | | | | | 15.0 | 1 | 0.1 | 0.1 | 0.0 | 0 | 0 | 0 |
| Diazepam | 24.6 | 5 | 0.7 | 0.8 | | | | | 33.0 | 1 | 0.1 | 0.2 |
| Flunitrazepam (Rohypnol) | - | - | - | - | - | - | - | - | 51.0 | 1 | 0.1 | 0.2 |
| Midazolam (Smurfs) | 39.5 | 41 | 5.7 | 6.5 | 54.8 | 6 | 0.6 | 0.9 | 40.9 | 18 | 2.1 | 2.8 |
| Triazolam (Zopiclone) | | | | | 45.0 | 1 | 0.1 | 0.1 | 0.0 | 0 | 0 | 0 |
| Triazolam (Smurfs) | 46.0 | 50 | 6.9 | 8.0 | 46.0 | 76 | 8.2 | 11.3 | 46.5 | 69 | 8 | 10.9 |
| Nimetazepam | 20.2 | 6 | 0.8 | 1.0 | 22.8 | 32 | 3.5 | 4.8 | 20.2 | 19 | 2.2 | 3 |
| Ketamine | 19.6 | 186 | 25.7 | 29.7 | 23.2 | 274 | 29.6 | 40.7 | 23.7 | 222 | 25.6 | 35.1 |
| Codeine | 29.9 | 9 | 1.2 | 1.4 | 31.3 | 15 | 1.6 | 2.2 | 32.5 | 12 | 1.4 | 1.9 |
| Other | 32.6 | 20 | 2.8 | 3.2 | 34.1 | 23 | 2.5 | 3.4 | 42.4 | 14 | 1.6 | 2.2 |
| Unknown | 26.0 | 126 | N/A | 20.1 | 23.2 | 29 | N/A | 4.3 | 27.5 | 32 | N/A | 5.1 |
| Total | 33.7* | 725** | 100.0 | N/A | 32.7* | 927** | 100.0 | N/A | 34.7* | 867** | 100 | ? N/A |

^{*}In the calculation of total average age, the numbers of unknown/ not reported were excluded.

?

Table 16. Age of First Abuse of Drugs Abused in the Past 3 Months Calculated according to the data of the Whole Year (With Two types of Mostly Abused Drugs as the Examples)

| Age | | 20 | 09 | 09 20 | | | | | | 20 | 11 | Ketamine | | |
|----------|-------|---------------|-------------|------------|----------|--------|-------------|------------|----------|------------|-------------|------------|--|--|
| Group of | Н | Ieroin | Ke | Ketamine | | leroin | Ke | tamine | H | Ieroin | Ketamine | | | |
| First | ime | age | ime | age | -time | entage | ime | age | time | age | ime | age | | |
| Abuse of | son-t | Percentage | Person-time | Percentage | Person-t | rcent | Person-time | Percentage | Person-t | Percentage | Person-time | Percentage | | |
| Drug | Per | Pe | Per | Pe | Per | Perce | Per | Pe | Per | Pe | Per | Pe | | |
| < 11 | 1 | 0.4 | 0 | 0 | 2 | 0.8 | 0 | 0 | 1 | 0.4 | 1 | 0.5 | | |
| 11 - 15 | 14 | 5.2 | 77 | 41.4 | 14 | 5.6 | 74 | 27 | 14 | 5.1 | 53 | 23.9 | | |
| 16 - 20 | 82 | 30.4 | 57 | 30.6 | 73 | 29 | 63 | 23 | 79 | 28.6 | 63 | 28.4 | | |

^{**} In the calculation of total of person-time, the numbers of unknown/ not reported were excluded.

| 21 - 25 | 54 | 20 | 7 | 3.8 | 59 | 23.4 | 25 | 9.1 | 69 | 25 | 13 | 5.9 |
|---------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 26 - 30 | 58 | 21.5 | 1 | 0.5 | 52 | 20.6 | 6 | 2.2 | 49 | 17.8 | 9 | 4.1 |
| 31 - 35 | 27 | 10 | 1 | 0.5 | 25 | 9.9 | 3 | 1.1 | 28 | 10.1 | 3 | 1.4 |
| 36 - 40 | 17 | 6.3 | 0 | 0 | 14 | 5.6 | 4 | 1.5 | 16 | 5.8 | 2 | 0.9 |
| > 40 | 10 | 3.7 | 1 | 0.5 | 8 | 3.2 | 4 | 1.5 | 10 | 3.6 | 3 | 1.4 |
| Unknown | 7 | 2.6 | 42 | 22.6 | 5 | 2 | 95 | 34.7 | 10 | 3.6 | 75 | 33.8 |
| Total | 270 | 100 | 186 | 100 | 252 | 100 | 274 | 100 | 276 | 100 | 222 | 100 |

Note: The average age of first abuse of Heroin (excluded unknown) in 2009 is 25.1, 24.8 in 2010 and 24.9 in 2011; The average age of first abuse of Ketamine (excluded unknown) in 2009 is 16.2,18.4 in 2010 and 18.6 in 2011;

Table 17. Number of Types of Drugs Abused at the same time in the past 3 months

| Number of | | 2009 | | 2010 | 2011 | | |
|--------------------------|--------|------------|--------|------------|--------|------------|--|
| Kinds of Drugs Abused | Number | Percentage | Number | Percentage | Number | Percentage | |
| 1 | 347 | 69.4 | 459 | 71.3 | 423 | 70.4 | |
| 2 | 102 | 20.4 | 111 | 17.2 | 108 | 18 | |
| 3 | 36 | 7.2 | 58 | 9 | 56 | 9.3 | |
| 4 | 12 | 2.4 | 11 | 1.7 | 12 | 2 | |
| 5 | 1 | 0.2 | 3 | 0.5 | 1 | 0.2 | |
| 6 | 1 | 0.2 | 1 | 0.2 | 0 | 0 | |
| 7 | 1 | 0.2 | 1 | 0.2 | 1 | 0.2 | |
| Total | 500 | 100 | 644 | 100 | 601 | 100 | |

Table 18. Method of Drug Abuse in the Past 3 Months

| | | 2009 | | | 2010 | | 2011 | | | |
|---|------|---|---|------|--|---|-----------------|--|------|--|
| Method of Substance Abuse | time | Calculated According to the Total | Calculated According to the Total 626 People | time | Calculated According to the Total 825 Person-time | Calculated According to the Total 673 | Person- time | Calculated According to the Total 747 Person-time | | |
| 1. Intravenous Injection | 277 | 41.1 | 44.2 | 269 | 32.6 | 40 | 281 | 37.6 | 44.4 | |
| 2. Intramuscular Injection | 18 | 2.7 | 2.9 | 23 | 2.8 | 3.4 | 11 | 1.5 | 1.7 | |
| 3. Using Cigarette or Cigarette holders | 38 | 5.6 | 6.1 | 54 | 6.5 | 8 | 50 | 5.7 | 7.9 | |
| 4. Dragon Chasing | 66 | 9.8 | 10.5 | 50 | 6.1 | 7.4 | 78 | 10.4 | 12.3 | |

| 5. Oral Ingestion | 119 | 17.7 | 19 | 168 | 20.4 | 25 | 126 | 16.9 | 19.9 |
|-------------------|------|-------|------|------|-------|-------|------|------|-------|
| 6. Sniffting | 145 | 21.5 | 23.2 | 220 | 26.7 | 32.7 | 174 | 23.3 | 27.5 |
| 7. No Fixed Way | 1 | 0.1 | 0.2 | | | | 2 | 0.3 | 0.3 |
| 8. Other | 10 | 1.5 | 1.6 | 41 | 5 | 6.1 | 25 | 3.3 | 3.9 |
| 9. Unknown | 177 | N/A | 28.3 | 131 | N/A | 19.5 | 152 | N/A | 24 |
| Total | 674* | 100.0 | N/A | 825* | 100.0 | ? N/A | 747* | 100 | ? N/A |

^{*} In the calculation of the total of person-time, the numbers unknown/ not reported were excluded.

Table 19. Monthly Drug Expense in the past 3 Months

| Monthly | | 2009 | | | 2010 | | | Whole Year | | | |
|-----------------------------|--------|------------|--------------------|--------|------------|--------------------|--------|------------|--------------------|--|--|
| Expense of Drug Abuse | Number | Percentage | Average Expense | Number | Percentage | Average Expense | Number | Percentage | Average Expense | | |
| < 1000 | 59 | 16.7 | 396.80 | 96 | 22.4 | 365.80 | 46 | 11.5 | 421.50 | | |
| 1000 - 1999 | 37 | 10.5 | 1,281.10 | 43 | 10 | 1,236.00 | 35 | 8.7 | 1,285.70 | | |
| 2000 - 2999 | 14 | 4 | 2,171.40 | 18 | 4.2 | 2,194.40 | 16 | 4 | 2,175.00 | | |
| 3000 - 3999 | 57 | 16.1 | 3,132.50 | 65 | 15.2 | 3,120.80 | 56 | 14 | 3,165.90 | | |
| 4000 - 4999 | 45 | 12.7 | 4,438.90 | 59 | 13.8 | 4,466.90 | 54 | 13.5 | 4,380.60 | | |
| 5000 - 5999 | 6 | 1.7 | 5,200.00 | 12 | 2.8 | 5,133.30 | 4 | 1 | 5,150.00 | | |
| 6000 - 6999 | 47 | 13.3 | 6,062.90 | 51 | 11.9 | 6,027.50 | 52 | 13 | 6,042.30 | | |
| 7000 - 7999 | 21 | 5.9 | 7,428.10 | 19 | 4.4 | 7,384.20 | 16 | 4 | 7,425.00 | | |
| 8000 - 8999 | 0 | 0 | 0.00 | 1 | 0.2 | 8,000.00 | 5 | 1.2 | 8,360.00 | | |
| 9000 - 9999 | 13 | 3.7 | 9,000.00 | 16 | 3.7 | 9,043.80 | 32 | 8 | 9,023.10 | | |
| > 9999 | 55 | 15.5 | 16,092.90 | 48 | 11.2 | 25,624.60 | 85 | 21.2 | 21,368.90 | | |
| Total | 354 | 100 | 5,519.10 | 428 | 100 | 5,808.70 | 401 | 100 | 7,764.40 | | |

Table 20. Frequency of Drug Abuse per month in the past 3 Months

| Times of Drug | | 2009 | | 2010 | 2011 | | |
|-----------------|--------|------------|--------|------------|--------|------------|--|
| Abuse per Month | Number | Percentage | Number | Percentage | Number | Percentage | |
| < 31 | 234 | 73.6 | 329 | 81.6 | 254 | 79.4 | |
| 31 - 60 | 26 | 8.2 | 16 | 4 | 20 | 6.3 | |
| 61 - 90 | 30 | 9.4 | 34 | 8.4 | 16 | 5 | |
| > 90 | 28 | 8.8 | 24 | 6 | 30 | 9.4 | |

| Total | 318 | 100 | 403 | 100 | 320 | 100 | |
|-------|-----|-----|-----|-----|-----|-----|--|
|-------|-----|-----|-----|-----|-----|-----|--|

Table 21. Place of Drug Abuse in the Most Recent 3 Months

| Place of | 20 | 009 | 2 | 010 | 2011 | | |
|-------------------|-------------|------------|-------------|------------|-------------|------------|--|
| Drug Abuse | Person-time | Percentage | Person-time | Percentage | Person-time | Percentage | |
| Mainland China | 204 | 39.5 | 264 | 40.5 | 248 | 41.6 | |
| Macao | 300 | 58.1 | 364 | 55.8 | 328 | 55 | |
| Hong Kong | 9 | 1.7 | 20 | 3.1 | 19 | 3.2 | |
| Other | 3 | 0.6 | 4 | 0.6 | 1 | 0.2 | |
| Total | 516 | 100 | 652 | 100 | 596 | 100 | |

Table 22. Spot of Drug Abuse in the Past 3 Months

| Spot of Drug Abuse | 20 | 09 | 20: | 10 | 20 | 11 |
|--|-------------|------------|-------------|------------|-------------|------------|
| | Person-time | Percentage | Person-time | Percentage | Person-time | Percentage |
| At Home | 170 | 30.2 | 160 | 25.7 | 131 | 27 |
| At Friend's House | 91 | 16.2 | 115 | 18.5 | 86 | 17.7 |
| At Night Club/Sauna | 20 | 3.6 | 16 | 2.6 | 18 | 3.7 |
| At Disco/Karaoke | 150 | 26.6 | 144 | 23.1 | 113 | 23.3 |
| At Internet Bar/Game Arcade | 31 | 5.5 | 18 | 2.9 | 5 | 1 |
| At School | 8 | 1.4 | 7 | 1.1 | 2 | 0.4 |
| At Park/ Street Corner/ Public Toilet | 47 | 8.3 | 63 | 10.1 | 45 | 9.3 |
| Hotel | 0 | 0 | 77 | 12.4 | 60 | 12.4 |
| Other | 46 | 8.2 | 23 | 3.7 | 25 | 5.2 |
| Total | 563 | 100 | 623 | 100 | 485 | 100 |

Table 23. Cause of Drug Abuse in the Past 3 Months

| Cause of Drug Abuse | | | 20 | 010 | 20 | 011 |
|---|-------------|------------|-------------|------------|-------------|------------|
| | Person-time | Percentage | Person-time | Percentage | Person-time | Percentage |
| Curiosity | 96 | 12.4 | 102 | 11.4 | 68 | 9.5 |
| Peer Influences | 208 | 26.9 | 255 | 28.4 | 225 | 31.4 |
| Family Influence | 38 | 4.9 | 12 | 1.3 | 6 | 0.8 |
| For Excitement | 57 | 7.4 | 73 | 8.1 | 57 | 7.9 |
| For Relief of Pressure/Pain/ Frustration/Depression | 202 | 26.1 | 242 | 27 | 199 | 27.8 |

| Total | 774 | 100 | 897 | 100 | 717 | 100 |
|--|-----|------|-----|------|-----|------|
| Other | 42 | 5.4 | 61 | 6.8 | 42 | 5.9 |
| Family Discord | 20 | 2.6 | 22 | 2.5 | 11 | 1.5 |
| For Avoidance of the Withdrawal Syndrome | 111 | 14.3 | 130 | 14.5 | 109 | 15.2 |

Table 24. Drug Abusers by Whether Needle Sharing Was Involved

| Whether | | 2009 | | 2010 | 2011 | | |
|-----------------------------------|--------|------------|--------|------------|--------|------------|--|
| Needle Sharing Was Involved | Number | Percentage | Number | Percentage | Number | Percentage | |
| Yes | 1 | 0.2 | 3 | 0.4 | 3 | 0.5 | |
| No | 483 | 77.2 | 511 | 75.9 | 486 | 76.8 | |
| Unknown | 142 | 22.7 | 159 | 23.6 | 144 | 22.7 | |
| Total | 626 | 100 | 673 | 100 | 633 | 100 | |

Table 25. Age Structure and Gender Distribution of Juvenile Drug Abusers Under 21 Years of Age

| Gender | Age Group | 2009 | | | 2010 | 2011 | |
|--------|-----------|--------|------------|--------|------------|--------|------------|
| | | Number | Percentage | Number | Percentage | Number | Percentage |
| Male | 12 -15 | 9 | 4.1 | 9 | 5.2 | 4 | 3.6 |
| | 16 - 17 | 56 | 25.3 | 34 | 19.5 | 23 | 20.9 |
| | 18 - 20 | 70 | 31.7 | 62 | 35.6 | 42 | 38.2 |
| | Subtotal | 135 | 61.1 | 105 | 60.3 | 69 | 62.7 |
| Female | 12 -15 | 21 | 9.5 | 12 | 6.9 | 5 | 4.5 |
| | 16 - 17 | 33 | 14.9 | 32 | 18.4 | 17 | 15.5 |
| | 18 - 20 | 32 | 14.5 | 25 | 14.4 | 19 | 17.3 |
| | Subtotal | 86 | 38.9 | 69 | 39.7 | 41 | 37.3 |
| Total | | 221 | 100 | 174 | 100 | 110 | 100 |

Table 26 Age Distribution and Types of Drugs Abused by Juveniles Under 21 Years of Age

| Types of Drug | 2009 | | 2010 | | | 2011 | | | |
|---------------|--------|------------|------------|--------|------------|------------|--------|------------------------------|--|
| | Person | Percentage | Percentage | Person | Percentage | Percentage | Person | Person Percentage Percentage | |

| | -time | Calculated According | Calculated According | -time | Calculated According | Calculated According | -time | Calculated According | Calculated According |
|--------------------|-------|-------------------------|-------------------------|-------|-------------------------|-------------------------|-------|-------------------------|-------------------------|
| | | to the Total | to the | | to the Total | to the | | to the Total | to the |
| | | 213 Person-time | Total 221 People | | 227 Person-time | Total 174 People | | 164 Person-time | Total 110 People |
| | | 1 CISOH-time | Reported | | 1 Crson-time | Reported | | 1 Crson-time | Reported |
| Ketamine | 135 | 63.4 | 61.1 | 121 | 53.3 | 69.5 | 83 | 50.6 | 75.5 |
| Methylamphetamine | 34 | 16 | 15.4 | 73 | 32.2 | 42 | 53 | 32.3 | 48.2 |
| (Ice) | | | | | | | | | |
| Nimetazepam | 5 | 2.3 | 2.3 | 14 | 6.2 | 8 | 12 | 7.3 | 10.9 |
| MDMA | 15 | 7 | 6.8 | 6 | 2.6 | 3.4 | 3 | 1.8 | 2.7 |
| (Ecstasy) | | | | | | | | | |
| Cocaine | 4 | 1.9 | 1.8 | 2 | 0.9 | 1.1 | 5 | 3 | 4.5 |
| Triazolam (Smurfs) | 4 | 1.9 | 1.8 | 1 | | | 0 | 0 | 0 |
| Heroin | 2 | 0.9 | 0.9 | ŀ | | | 2 | 1.2 | 1.8 |
| Cannabis | 2 | 0.9 | 0.9 | 4 | 1.8 | 2.3 | 5 | 3 | 4.5 |
| Magu | 1 | 1 | 1 | 2 | 0.9 | 1.1 | 0 | 0 | 0 |
| Chlordiazepoxide | - | 1 | - | 1 | 0.4 | 0.6 | 0 | 0 | 0 |
| Diazepam | 2 | 0.9 | 0.9 | ŀ | | | 0 | 0 | 0 |
| Codeine | 1 | 0.5 | 0.5 | 1 | | | 0 | 0 | 0 |
| Others | 9 | 4.2 | 4.1 | 4 | 1.8 | 2.3 | 1 | 0.6 | 0.9 |
| Unknown | 66 | N/A | 29.9 | 15 | N/A | 8.6 | 6 | N/A | 5.5 |
| Total | 213* | 100 | N/A | 227* | 100 | N/A | 164* | 100 | N/A |

^{*} In the calculation of the total of person-time, the numbers unknown/ not reported were excluded.

Table 27. Reasons for Drug Abuse of Juveniles Under 21 Years of Age

| Reasons of | 200 | | 20 | 10 | 2011 | | |
|---|-------------|------------|-------------|------------|-------------|------------|--|
| Drug Abuse | Person-time | Percentage | Person-time | Percentage | Person-time | Percentage | |
| Curiosity | 48 | 19.4 | 42 | 15.1 | 24 | 16.2 | |
| Peer Influences | 102 | 41.1 | 109 | 39.1 | 64 | 43.2 | |
| Family Influence | 7 | 2.8 | 10 | 3.6 | 4 | 2.7 | |
| Excitement | 28 | 11.3 | 30 | 10.8 | 18 | 12.2 | |
| For Relief of Pressure/Pain/ Frustration/ Depression | 40 | 16.1 | 55 | 19.7 | 25 | 16.9 | |
| Avoidance of Withdrawal Syndrome | 6 | 2.4 | 5 | 1.8 | 4 | 2.7 | |
| Family Discord | 7 | 2.8 | 10 | 3.6 | 4 | 2.7 | |
| Other | 10 | 4 | 18 | 6.5 | 5 | 3.4 | |

| Total | 248 | 100 | 279 | 100 | 148 | 100 |
|-------|-----|-----|-----|-----|-----|-----|
|-------|-----|-----|-----|-----|-----|-----|

Table 28. Places of Drug Abuse of Juveniles Under 21 Years of Age

| Place of | 2009 | | 2 | 2010 | 2011 | |
|----------------|--------------------------|------|-------------|------------|-------------|------------|
| Drugs Abuse | Person-time Percentage P | | Person-time | Percentage | Person-time | Percentage |
| Macao | 93 | 56 | 99 | 51.6 | 62 | 48.4 |
| Mainland China | 72 | 43.4 | 91 | 47.4 | 64 | 50 |
| Hong Kong | 1 | 0.6 | 1 | 0.5 | 2 | 1.6 |
| Others | 0 | 0 | 1 | 0.5 | 0 | 0 |
| Total | 166 | 100 | 192 | 100 | 128 | 100 |

Table 29. Spots of Drug Abuse and Age Structure of Juveniles Under 21 Years of Age

| Spot of Drug | 2009 | | 20 | 010 | 2011 | | |
|---|-------------|------------|-------------|------------|-------------|------------|--|
| Abuse | Person-time | Percentage | Person-time | Percentage | Person-time | Percentage | |
| At Home | 22 | 8.9 | 30 | 12.2 | 14 | 9.9 | |
| At Friend's House | 56 | 22.6 | 55 | 22.4 | 34 | 23.9 | |
| At Night Club/ Sauna | 15 | 6. | 8 | 3.3 | 5 | 3.5 | |
| At Disco/ Karaoke | 84 | 33.9 | 69 | 28 | 46 | 32.4 | |
| At Net Bar/ Game Arcade | 20 | 8.1 | 11 | 4.5 | 1 | 0.7 | |
| At School | 8 | 3.2 | 7 | 2.8 | 2 | 1.4 | |
| At Park/ Street Corner/ Public Toilet | 9 | 3.6 | 5 | 2 | 0 | 0 | |
| Other | 0 | 0. | 52 | 21.1 | 35 | 24.6 | |
| Total | 34 | 13.7 | 9 | 3.7 | 5 | 3.5 | |
| At Home | 248 | 100 | 246 | 100 | 142 | 100 | |

4) Appendix

1. Sample of the Central Registration Form of Drug Abusers of Macao

Confidential Document

Central Registration Form of Drug Abusers of Macao

(To Be Filled in by the Personnel of the Organization for Each Drug Abuser)

The data obtained from this form are strictly confidential and will only be used for the statistical purpose of the Social Welfare Bureau. The statistical results will be conducive in the understanding of the tendency of drug problem so as to improve services for drug abusers.

Remark: Please use "X" mark to answer the Multiple Choice questions

| Reporting Agency Number: SWB Central Document Number (To be filled in by the Bureau): |
|--|
| 1. Reporting Organization: |
| 2. Report for the □ First half /□ Second half of the year of 20 |
| 3. Name: 4. Gender: □ Male □ Female |
| 5. Birth Date:(Day)/(Month)/(Year) |
| 6. Birthplace: □ Mainland China □Macao □Hong Kong □Other (Name of Country/Place) |
| 7. Ethnic Chinese Other (Please Specify) |
| 8. Resident Identity: □Macao Resident □Non-Macao Resident □Unknown |
| 9. Local Residing Area: □North District □Central District □South District □Taipa and Coloane □Mainland China |
| 10. Marital Status: □Single □Married □Cohabited □Widowed □Divorced or Separated □Unknown |

| 11. Children Status: | □Have children □Do | not have children | ı □Unknown | |
|-------------------------|-------------------------|--------------------|--------------------------|-------------------------------|
| 12. Educational Bac | kground: □No Educati | onal Background | □Primary School | □Junior High School |
| | □Senior Hig | h School □Juni | or College or Above | Unknown |
| 13. Occupational Sta | _ | | □Illegal Business | |
| 1 | | | □Unknown | r ry |
| 14 Having other far | nily members that uses | | iNo □Unknown | |
| _ | inal record: Yes | _ | | |
| | abuse: years | | | |
| 17. Drug abused in t | | or age, and the c | nug abasea was | |
| 17. Drug abused in t | ne past 3 months. | | | |
| Name of Drug | Usual Method of | Usual Monthly | Age of starting | Status of Drug Abuse in the |
| rame of Drug | Abusing that | Expense | the Abuse of that | Past 3 Months |
| | specific Drug * | (Patacas) | specific Drug | (Please fill in how many |
| | 1 6 | , | 1 0 | times and how often) |
| | | | | Time(s) Every |
| | | | | Day/Week/Month Time(s) Every |
| | | | | Day/Week/Month |
| | | | | Time(s) Every Day/Week/Month |
| | | | | Time(s) Every |
| | | | | Day/Week/Month Time(s) Every |
| | | | | Day/Week/Month |
| * 1. Intravenous Inject | ion 2. Intramuscular In | jection 3. Using C | igarette or Cigarette ho | olders 4. Dragon Chasing |
| 5. Oral Ingestion 6 | 6. Sniffing 7. No Fixed | Way 8. Unknown | 9. Other | |
| ** In case "Name of | Drug" is filled in as " | Other", Please spe | cify it here | |
| | | • | • | |
| 18 Status of Drug A | buse in the past 3 Mor | nths (Multiple cho | ices are possible for | Items 18 1 to 18 3): |
| _ | ig Abuse: □Mainland (| _ | _ | |
| | | Jillia 🗆 Iviacao | Thong Kong Tot | nei (Country/Flace) |
| 18.2 Spot of Drug | | | | |
| | □At Home □ | □At Friend's Hous | e □At Night Club/S | Sauna □At Disco/Karaoke |
| | □At Net Bar/0 | Game Arcade □ A | At School □At Park | x/Street Corner/Public Toilet |
| | □At Hotel/Gu | esthouse □Other _ | | |
| 18.3 Reason for I | Orug Abuse: | | | |
| □Curiosity | □Peer influences □ | family Influences | □Excitement | |
| _ | Pressure/Pain/Frustrati | · | | ne Withdrawal Syndrome |
| | iscord Other: | - | | ic manaran syndronic |
| | | | | |
| 18.4 Whether nee | edle sharing was involv | /ed or not: □Yes | □No □Unknown | |
| | | | | |
| | | | | |
| | | | | |
| Eillad is | hy (In Block Letters) | | Fill in D | ate. |

(Version of April 27, 2010)

Appendix 2 List of Organizations Participating in the Reporting

(Governmental Organizations)

Social Welfare Bureau-Drug Rehabilitation Center

Macao Prison

Health Bureau - Emergency

Health Bureau - Psychiatry Department

Education and Youth Affairs Bureau (Center of Psycho-pedagogical Support and

Special Education)

Legal Affairs Bureau – Social reintegration Department

Legal Affairs Bureau - Youth Offenders Institute

Judiciary Police

(Non-governmental Organizations)

Macao Teen Challenge Gospel Drug Rehabilitation Centre

Macao Christian New Life Fellowship - Rehabilitation Center

Macao Christian New Life Fellowship - Youth Outreach Department

Macao ARTM - Rehabilitation Center

Macao ARTM - Outreach Department

Macao Renovation and Mutual Assistance Association

Sheng Kung Hui North District Youth Service Team

General Union of Neighbors Association of Macao community Youth Service Team