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**Information Map Report
CARDS project**

**Name of the country: Serbia
Year: 2008**

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1. Introduction

In Republic of Serbia legislation framework is consist of:

- The Law on Manufacturing and Traffic of Narcotic Drugs (The Official Journal of FRY, No. 46/96). A new in accordance with UN Conventions and EU Directives is being prepared;
- The Law on Substances Used in Illicit Manufacturing of Narcotic Drugs and Psychotropic Substances (The Official Gazette of the Republic of Serbia, No. 107/05), which is in accordance with UN Conventions and EU directives;
- The Law on Medicines and Medical Devices (The Official Gazette of the Republic of Serbia, 84/04);
- The Penalty Law (The Official Gazette of the Republic of Serbia, No. 85/05).

Ministries involved in the Narcotic drug issue are Ministry of Health, Ministry of Interior, Ministry of Finance – Custom Service, Ministry of Justice, Ministry of Sport and Youth, Ministry of Culture, Ministry of Education, Ministry of Labour and Social Politic and Ministry of Defence.

National Drug Strategy was adopted in February 2009. It covers the period 2009–2013 and has been followed with Action Plan for Implementation of the Strategy.

Existing of the Laws dealing with Narcotic Drugs issued by the Ministry of Health, Ministry of Interior and Ministry of Justice jointly with good cooperation between services represents strength and advantage in the praxis.

Having in mind processes of Serbian association to EU it is necessary to update existing legislation framework in accordance with EU directives.

Insufficient number of staff presents limiting factor in fulfilling the tasks arise from the UN conventions and EU obligation.

With adopting the new Law on the Narcotic Drugs issue the possibility of more efficient data collection with special attention on the 5 epidemiological indicators will be set.

2. Overview of databases

Name and/or description	Type of data (in terms of key indicator or core data)	Provider (Institution name)
<i>Criminal acts and perpetrators</i>	<i>Law enforcement data-drug offences</i>	<i>Ministry of Interior</i>
<i>Morbidity and Mortality in stationary public health institutions</i>	<i>morbidity and mortality in stationary public health care facilities</i>	<i>Institute of public health of Serbia</i>
<i>Morbidity and mortality due to narcotics in institutions for carrying out of sentences</i>	<i>morbidity and mortality in institutions for carrying out of sentences</i>	<i>Ministry of Justice</i>
<i>Mortality statistics database</i>	<i>Mortality statistics includes all death occurrences database</i>	<i>Statistical Office of the Republic of Serbia</i>
<i>National health promotion programs</i>	<i>Number of health staff, teachers, schools, kindergartens, children, activities by topics</i>	<i>Institute of public health of Serbia</i>
<i>Morbidity in primary level health care public health institutions</i>	<i>Morbidity in primary health care and public health care facilities</i>	<i>Institute of public health of Serbia</i>
<i>National AIDS Register</i>	<i>Individual case reporting based on European AIDS case definition</i>	<i>Institute of public health of Serbia</i>
<i>National HIV register</i>	<i>Individual case reporting based on European HIV case definition</i>	<i>Institute of public health of Serbia</i>
<i>Database of cases of received patients, postmortem samples, analysis, results</i>	<i>Monitoring of working process, person, analysis, postmortem samples, results</i>	<i>Medical Military Academy - National Centre for Poisoning Control</i>

3. Description of databases

3.1 **Name:** Criminal acts and perpetrators

Responsible institution/name and address: Ministry of Interior of Republic of Serbia,
Belgrade, Kneza Milosa 101

Contact person: Ivan Brandic

Tel:+ 381 11 3139 920

Fax:+ 381 11 3148 464

e-mail: ivan.brandic@mup.gov.rs

Objectives of the database/data collection system:

unique and centralized database have been created in order to enable tracking, collecting, storing and processing the data on criminal acts and perpetrators

Statistical unit: perpetrators of criminal act and/or criminal act

Characteristics of population covered: data have been considered on whole population classified by gender, age, education, employment status during the criminal act execution

Geographical coverage: Territory of the Republic of Serbia

Institutional coverage: 100%, data have been collected and statistically processed on monthly basis, cumulative basis, as well as on the basis of the Police administration, police station and police section, according to criminal act's carrying out territory and applicants of the report

Coverage rate: not applicable

Inclusion/exclusion criteria: criminal acts and/or perpetrators

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished: heroin, cocaine, marihuana, hashish, ecstasy, LSD, amphetamine, and others

Description of organization of data gathering/methodology:

regional police departments collect data and send them to the Ministry of Interior

Description of data storage: data are processed, saved and stored in Ministry of interior Central Information System in accordance with current data preserving and protecting regulations.

Software for data processing: data input is in dBase and Oracle centralized database, with statistical processing and graphic representation, software is developed in Ministry of interior of the Republic of Serbia

Level of aggregation of the information available to the national correspondent:
Aggregated data

Legal status of the database: restricted

Legal status of the aggregated data: restricted

Time period of available data: data are permanently available.

(arrested persons, drugs offences:
2007. – 5131 arrested persons
2008. - 5778 arrested persons)

Evaluation of data quality and reliability: data are linked to the case, offences oriented, without double-counting, reliable and consistent over time

Other comments and remarks:

Abstract/example of data output:

Bibliography/website addresses:

Annexes:

3.2 **Name:** Inpatients public health institutions Morbidity and Mortality Database

Responsible institution/name and address: Institute of public health of Serbia

Contact person: Dr Ivan Ivanovic, Centre for informatics and biostatistics

tel: + 381-11-2062 707

fax:

e-mail: ivani@batut.org.rs

Objectives of the database/data collection system:

The monitoring of morbidity and mortality in stationary public health care facilities

Statistical unit: person, diagnosis (ICD X)

Characteristics of population covered:

General population

Geographical coverage: National

Institutional coverage: National

Coverage rate: 100% (without private institutions).

Inclusion criteria: Persons treated in stationary public health care facilities

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished:

Description of organization of data gathering/methodology:

All public hospitals are obliged by law to send individual hospitalisation reports to regional institutes of public health which aggregate data and send report to institute of public health of Serbia

Description of data storage: electronically

Software for data processing:

Access

Level of aggregation of the information available to the national correspondent:

Number of patients treated and died by diagnose and by health facilities

National correspondent could receive aggregated data

Legal status of the database:

Database is placed within the Institute of Public Health authority and treated as any official database. There is no restriction, but there are authorizations for responsibility in maintaining the database

Legal status of the aggregated data:

Published aggregated data are freely accessible for anyone on official request

Time period of available data:

- First year: 1997
- Last year: 2008

Evaluation of data quality and reliability:

High quality data, data are linked to the case, patient oriented, without double-counting, reliable and consistent over time

Other comments and remarks:

Individual reports from hospitals that are sent to the regional institutes of public health contain personal data and main cause of hospitalisation and death if person had died and reports from regional institutes of public health contain number of patients hospitalised and number of death cases by diagnosis coded ICD X by institutions. Personal data are medical secret and protected by Law

Abstract/example of data output:**Bibliography/website addresses:**

Annual Health Statistics

Annexes:

3.3 Name: Morbidity and mortality due to narcotics in penal institutions

Responsible institution/name and address: Ministry of Justice, Administration for enforcement of penal sanctions Belgrade, Nemanjina 22-26

Contact person: Aleksandra Stepanovic

Tel:+ 381-11-363 18 20

Fax:+ 381-11-361 65 88

e-mail: astepanovic@mpravde.gov.rs

Objectives of the database/data collection system:

The monitoring of narcotics morbidity and mortality in penal institutions

Statistical unit: persons in the penal institutions, medical treatment of narcotic users in prisons

Characteristics of population covered: persons in the penal institutions during serving measures of obligatory medical treatment

Geographical coverage: National

Institutional coverage: penal institutions in Republic of Serbia

Coverage rate: 100% in penal institutions

Inclusion/exclusion criteria: persons in obligatory medical treatment prison facilities and deceased in penal institutions because of the use of narcotic substances

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished: heroin, cocaine, marihuana and hashish

Description of organization of data gathering/methodology:

Doctors in prisons hospitals prepare the reports and them to the Administration office

Description of data storage: personal data of convicted persons, paper and electronic form

Software for data processing: electronically, database collection depends of the software usually excel)

Level of aggregation of the information available to the national correspondent:

data have been compiled annually and available for the National Correspondent on request, level of aggregation depends on request

Legal status of the database: restricted

Legal status of the aggregated data: restricted

Time period of available data: on annual basis

Administration responsible for health in prisons exists for a long time and maintain the data collection.

Evaluation of data quality and reliability:

data have been collected from the submitted daily reports, data are linked to the case, patient oriented, without double-counting, reliable and consistent over time

Other comments and remarks:

Abstract/example of data output:

Bibliography/website addresses:

Annexes:

3.4 **Name:** Mortality statistics database

Responsible institution/name and address:

Statistical Office of the Republic of Serbia, Belgrade, Milana Rakića 5

Contact person: Jasna Milankovic, Msc

Tel: + 381 11 412 590

Fax: + 381 11 412 590

e-mail: jmilankovic@stat.gov.rs

Objectives of database/data collection system: Deaths data have been collected and submitted by registrars (according to Death Certificate) and register all deaths and to monitor mortality in the Republic of Serbia

Statistical unit: Death cases

Characteristics of population covered: Mortality statistics includes all deaths in general population.

Geographical coverage: Data for the Republic of Serbia without data for Kosovo and Metohia (because data for Kosovo and Metohia have not been available)

Institutional coverage: Law on Statistical Surveys, Law on Registrars, Law on Health Care

Coverage rate: 100%, Mortality statistics includes all death occurrences.

Inclusion/exclusion criteria:

Sampling procedure:

Substances (drugs) monitored/distinguished: According to the International Classification of Diseases, Injuries and Causes of Death, X revision

Description of organization of data gathering/methodology: Deaths data have been collected and submitted by registrars. Data on causes of death have been obtained from Death certificate (according to the International Classification of Diseases, Injuries and Causes of Death, X revision). Methodological explanations for mortality statistics are presented in Methodologies and Standards volumes 5 and 6/2004 and volume 7/2005 (by Statistical Office of the Republic of Serbia)

Description of data storage: doctors/registrar send the death certificates in paper format that are processed and the data is stored electronically

Software for data processing: DB-2, PL

Level of aggregation of the information available to the national correspondent: Since 1950, the statistics has been receiving summary reports and individual forms for every death.

The individual forms processed, one obtains final results of demographic statistics. They show the situation according to person's place of permanent residence and the time of event occurrence.

Legal status of the database: Statistical Office is authorized to maintain the database and to publish data according to the Law, access to the database is restricted and publication is accessible to anyone.

Legal status of the aggregated data: Law on Statistical Surveys. Statistical surveys are defined by the five-year program of statistical surveys. The Program makes provision for the population statistics to carry out annual surveys related to death statistics (statistical form on death – form Dem-2).

Time period of available data: Data are available from 1998 according to the International Classification of Diseases, Injuries and Causes of Death, X, and from the previous period according to ICD IX.

Evaluation of data quality and reliability: data are linked to the person, without double-counting, reliable and consistent over time

Other comments and remarks:

Abstract/example of data output:

Bibliography/website addresses:

Annual Statistics
webrzs.stat.gov.rs

Annexes:

3.5 Name: national health promotion programmes

Responsible institution/name and address: Institute of public health of Serbia

Contact person: Prim dr Djurdja Kisin , Centre for health promotion

tel: + 381-11-26 84 566 ext. 121

fax:

e-mail: djurdja_kisin@batut.org.rs

Objectives of the database/data collection system:

The monitoring of activities within National health promotion programmes

Statistical unit: health promotion programmes, number of health staff, teachers, schools, kindergartens, children, activities by topics

Characteristics of population covered: not applicable

Geographical coverage: National

Institutional coverage: National

Coverage rate: 100%

Inclusion/exclusion criteria: Institutes of Public Health carry out Public Health Programmes and they are included in this database. Programmes that are not within IPH are not included

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished:

Description of organization of data gathering/methodology:

All regional institutes send reports on activities on health promotions such as health education activities and campaigns to the Institute of public health of Serbia.

Description of data storage: paper reports

Software for data processing:

Level of aggregation of the information available to the national correspondent:

National correspondent could receive all data

Legal status of the database: accessible and published

Legal status of the aggregated data:

Data on all activities from reports are freely accessible

Time period of available data:

- First year: 2000
- Last year: 2008

Evaluation of data quality and reliability: data are linked to the programs, without double-counting, reliable and consistent over time

Other comments and remarks:

Abstract/example of data output:

Bibliography/website addresses:

Annexes:

3.6 Name: Primary level Health Care Public Health Institutions Morbidity Database

Responsible institution/name and address: Institute of public health of Serbia

Contact person: Dr Ivan Ivanovic, Center for informatics and biostatistics

tel: + 381-11-2062 707

fax:

e-mail: ivani@batut.org.rs

Objectives of the database/data collection system:

The monitoring of morbidity in primary health care public health care facilities

Statistical unit: number of diagnosed diseases, conditions and injuries by ICD X group

Characteristics of population covered:

General population

Geographical coverage: National

Institutional coverage: National

Coverage rate: 100% (without private institutions).

Inclusion criteria: Persons treated in primary level health care public health institutions

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished:

Description of organization of data gathering/methodology:

All public primary level health care health institutions are obliged by law to send reports on registered number of diagnosed diseases, conditions and injuries by ICD X group by services to regional institutes of public health which aggregate data and send reports to Institute of public health of Serbia

Description of data storage: electronically

Software for data processing:

Access

Level of aggregation of the information available to the national correspondent:

number of diagnosed diseases, conditions and injuries by ICD X group by services, patients treated by diagnose and by health facilities.

National correspondent could receive aggregated data

Legal status of the database:

Institute of Public Health is authorized to maintain the database and to publish the data, access to the database is restricted and publication is accessible to anyone

Legal status of the aggregated data:

Published aggregated data are freely accessible for anyone on official request

Time period of available data:

- First year: 1997
- Last year: 2008

Evaluation of data quality and reliability:

High quality data, data are linked to the case, patient oriented, without double-counting, reliable and consistent over time

Other comments and remarks:

Abstract/example of data output:

Bibliography/website addresses:

Annual Health Statistics

Annexes:

3.7 Name: National AIDS Register

Responsible institution/name and address: Institute of Public Health of Serbia
Dr Subotica str. 5, Belgrade

Contact person: Danijela Simic, MD, epidemiologist,
National Focal Point for Surveillance

tel: + 381-11-2684-566/129

fax: + 381-11 2684-140

e-mail: simic_danijela@batut.org.rs

Objectives of the database/data collection system: Monitoring the trend of HIV epidemic at national level, national and international reporting

Statistical unit: Person (individual case reporting based on European AIDS case definition)

Characteristics of population covered: General population and prisoners (The reporting form includes: Name, date of birth/age, gender, nationality, place of residence, profession /current job, transmission category, date of diagnosed HIV positivity, date of diagnosed AIDS, AIDS indicative diseases, date of starting ART, HBsAg status, HCV status, date and cause of death etc.....)

Geographical coverage: National

Institutional coverage: National

Coverage rate: All physicians are obliged by law to report every diagnosed AIDS case as well as HIV/AIDS -related death. So, we estimated that the coverage rate of reporting is more than 99%.

Inclusion/exclusion criteria: Persons diagnosed with AIDS and deceased persons where the cause of death was HIV/AIDS-related.

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished: not applicable

Description of organization of data gathering/methodology: Every diagnosed AIDS case or HIV/AIDS- related death is reported by physician to epidemiology unit/department in district IPH and a copy of report form is sent to IPH of Serbia continuously

Description of data storage: All reported namely based AIDS cases is stored on Public Health Institute's protected Hard Disk and back up on CD in the Institute, on yearly basis in order to obtain the total confidentiality of all personal data collected through the year.

Software for data processing: Excel

Level of aggregation of the information available to the national correspondent:

Database is available to the national correspondent.

Legal status of the database: Approved by Ministry of Health/National AIDS Commission and database is confidential.

Legal status of the aggregated data: Approved and available to all interested partners or individuals on official request

Time period of available data:

- first year: 1985

- last year: 2008

Evaluation of data quality and reliability: There is a doubt related to reporting AIDS cases from private health sector. Data in the database are linked to the case, patient oriented, without double-counting, reliable and consistent over time

Other comments and remarks:

Abstract/example of data output:

Bibliography/website addresses:

Annexes:

3.8 Name: National HIV register (since 2002)

Responsible institution/name and address: Institute of Public Health of Serbia
Dr Subotica str. 5, Belgrade

Contact person: Danijela Simic, MD, epidemiologist,
National Focal Point for Surveillance

tel: + 381-11-2684-566/129

fax: + 381-11 2684-140

e-mail: simic_danijela@batut.org.rs

Objectives of the database/data collection system: Monitoring the trend of HIV epidemic at national level, national and international reporting

Statistical unit: Person (individual case reporting based on European HIV case definition)

Characteristics of population covered: General population and prisoners (The reporting form includes: name, date of birth/age, gender, nationality, place of residence, profession /current job, transmission category, date of diagnosed HIV positivity, method and tests used for diagnosing HIV infection, stadium of HIV infection, date of starting ART, HBsAg status, HCV status, date and cause of death etc.....).

Geographical coverage: National

Institutional coverage: National

Coverage rate: All physicians are obliged by law to report every diagnosed HIV case. The estimated reporting coverage rate is more than 95%.

Inclusion/exclusion criteria: Persons with diagnosed HIV infection in accordance with current HIV case definition.

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished: not applicable

Description of organization of data gathering/methodology: Every diagnosed HIV case is reported by physician to epidemiology unit/department in district IPH and a copy of report form is sent to IPH of Serbia continuously.

Description of data storage: All reported namely based HIV cases are stored on Public Health Institute's protected Hard Disk and back up on CD in the Institute on yearly basis in order to obtain the total confidentiality of all personal data collected through the year.

Software for data processing: Excel

Level of aggregation of the information available to the national correspondent: - Database is available to the national correspondent.

Legal status of the database: Approved by Ministry of Health/National AIDS Commission and database is confidential.

Legal status of the aggregated data: Approved and available to all interested partners or individuals on official request

Time period of available data:

- first year: 2002

- last year: 2008

Evaluation of data quality and reliability: There is a doubt related to reporting HIV cases from private health sector. Data in the database are linked to the case and consistent over time

Other comments and remarks: The individual data for every HIV case reported since 1987 are available at district level.

All reported HIV cases are analysed semiannually and annually at national level related to the place of residence, age, gender, transmission category, HBsAg and HCV status etc. Paper reports are disseminated to district IPHs, Ministry of Health and all other relevant institutions and stakeholders/partners.

Annually all reported HIV cases without any personal identification are sent through integrated reporting system (TESSy) to ECDC and WHO/Europe (since 2008) and in a previous period (1987-2007) they were sent to EuroHIV.

Abstract/example of data output:

Bibliography/website addresses:

Annexes:

3.9 Name: Admitted patients and analysis database

Responsible institution/name and address: Medical Military Academy - National Center for Poisoning Control,
Crnotravska str. 17, Belgrade

Contact person: prof. dr Dusan Jovanovic

tel: + 381-11-36 72 187

fax: + 381-11-36 72 187

e-mail: ncktvma@eunet.rs

Objectives of the database/data collection system: Monitoring of working process

Statistical unit: Person

Characteristics of population covered: general population

Geographical coverage: National, admitted patients from other institutions in Serbia according to clinical indications

Institutional coverage: Law on Health Protection

Coverage rate: approximately 80%

Inclusion criteria: people older than 14 years old, treated in the Centre because of intoxication caused by illicit drugs

Sampling procedure: not applicable

Substances (drugs) monitored/distinguished: all illicit and licit drugs and other toxic substances

Description of organization of data gathering/methodology: data on inpatients are kept in the Centre, data on death cases are sent to the Statistical Office of the Republic of Serbia

Description of data storage: paper

Software for data processing: not applicable

Level of aggregation of the information available to the national correspondent:
results of analysis, number of patient, number of postmortem samples
national correspondent could have access to database

Legal status of the database: restricted

Legal status of the aggregated data: restricted

Time period of available data:

- first year: 2006

- last year: 2008

Evaluation of data quality and reliability: data are linked to the case, patient oriented, without double-counting, reliable and consistent over time

Other comments and remarks:

Abstract/example of data output:

Bibliography/website addresses:

Annexes: