



**THE NATIONAL SCHOOL OF PUBLIC HEALTH,
MANAGEMENT AND PROFESSIONAL
DEVELOPMENT, BUCHAREST**

ANNUAL REPORT

2013

Content

Synthetic presentation	2
I. Training and professional development activities for health system professionals	3
II. Research activities - studies – projects	8
III. Consultancy and technical assistance activities	19
IV. Dissemination of research results	22
V. Main activities in international networks and collaborative partnerships with other research/public health institutions	23
Annexes	
Annex 1 Publications 2013	25
Annex 2 Papers presented in 2013.....	31

Synthetic presentation

During 2013 the National School of Public Health, Management and Professional Development (NSPHMPD) has developed numerous activities in accordance with the objectives of the research – development program and its performance indicators.

The objectives of the National School of Public Health, Management and Professional Development Bucharest in 2013 took into account the long-term objectives of the "Institutional Development Strategy for 2010-2015" and also to achieve a maximum level of quality and ongoing diversification of our activity, so as to fully meet the needs and requirements of our partners and collaborators.

The main achievements of 2013:

- The training activity was enriched by organizing new programs and enhanced by reviewing established programs with the purpose of updating the curricula and the course materials;
- Six ongoing projects, of which five with foreign financing, and selection for funding of other two projects, respectively for the final stage of evaluation for funding;
- Improving the functioning of the DRG data collection and reporting, by updating the National DRG internal application and developing a new version, in order to change the Order 1782/2006 concerning the registration and statistical reporting of patients receiving medical services under continuous hospitalization and day care hospitalization;
- Developing proposals for updating coding standards;
- NSPHMPD specialists were authors or co-authors of 24 papers that were published in ISI or BDI indexed journals, 5 chapters in books that were internationally published, two reports published online, 6 scientific papers at international conferences, 7 presentations at the two workshops organized in order to disseminate the results of two finalized projects.

I. Training and professional development activities for health system professionals

Training activity in public health and health management is coordinated by the Centre for Management and Health Promotion. The Center for Research and Evaluation of Health Services develops mainly training courses in the DRG domain, but also on other topics of health services. The National Centre for Professional Development in Health organizes programs, courses and trainings in various other areas of health. The activity of each center is shown separately.

During 2013 the training activity was enriched by organizing new programs and enhanced by reviewing established programs in order to update the course curricula and materials.

1. *The Centre for Management and Health Promotion (CMHP)* was established in July 2013 by the unification of the Training Center in Public Health, Health Services Administration and Management with the National Center for Health Promotion and Programs.

CMHP has as main activity the organization and development of courses in public health, health administration and management; courses that were designed and developed by experts from the School. For a better assimilation of knowledge different methods and techniques are used: lectures, interactive exercises, case studies, simultaneously and project based work. A study program is presented as a package of documents including: general and specific objectives of the program, curriculum, thematic programs included in the curriculum, the results of learning expressed in the form of cognitive, technical or professional and affective skills competences, which are developed in a course/module; the examination and evaluation of each course/module, taking into account the planned results; the organization and contents of the graduation exam.

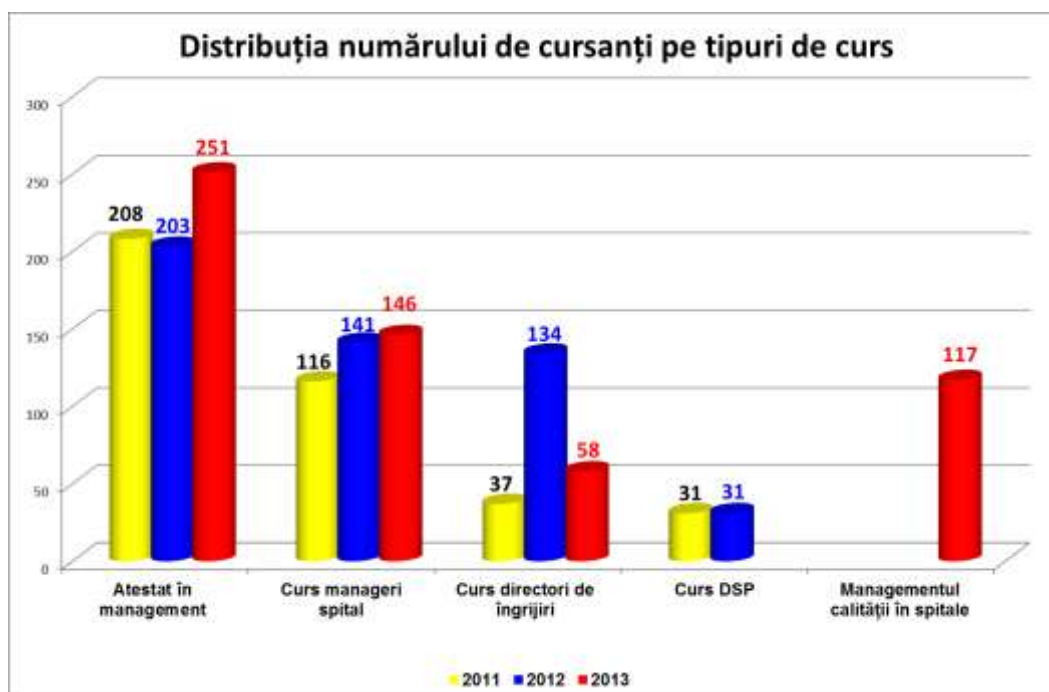
Courses conducted by the Centre for Management and Health Promotion in 2013 totalled a number of 572 students in 18 programs. As can be seen from Table 1 and Figure 1, between 2011-2013, both the number of programs and the number of students has gradually increased.

These courses were predominant taught by lecturers from the NSPHMPDB, but also by lecturers from other educational or specialized institutions.

Table 1. The number of courses by type of course developed between 2011-2013

Course type	2011	2012	2013
Certificate training program in Health Services Management	6	6	7
Training course in Hospital Management for hospital managers	4	4	4
Training course in Hospital Management for hospital nursing staff	3	5	3
Courses on specific topics organized for the Public Health County Departments	1	1	
Training course in Quality management in hospitals			4
TOTAL	14	16	18

Figure 1. Distribution of the number of students by type of course, during 2011 - 2013



CERTIFICATE TRAINING PROGRAM IN HEALTH SERVICES MANAGEMENT

The program aims at acquiring knowledge and skills in public health and health management in order to improve managerial work in the health units. The course with a

development period of 12 weeks has a modular structure, consisting of 12 modules, is mainly addressed to doctors who want to occupy a chief of staff /ward position in a health institution.

During 2013, there were 7 course series of this type, out of which 3 were developed in Bucharest, 1 in Timisoara, 1 in Bacău, 1 in Iași, and 1 in Oradea. One series in Bucharest and one in Timișoara are due to be completed in 2014. The total number of participants that were trained is 251.

TRAINING COURSE IN HOSPITAL MANAGEMENT FOR HOSPITAL MANAGERS

This course is organized according to Order 168/2007 which amended Order no. 635/2006 regarding the approval of the organization of the hospital management course, necessary to occupy the position of general manager in a public hospital. The purpose of the course is to provide training for hospital managers in order for them to improve the performance of management in their institutions. .

During 2013, CMHP organized and conducted four courses on hospital management. The total number of participants in these courses was 146.

TRAINING COURSE IN HOSPITAL MANAGEMENT FOR HOSPITAL NURSING STAFF

The aim of the course is to provide training for nurses / midwives who want to occupy the position of nursing director or chief nurse. It's a modular course and it's structured over four weeks, as follows:

- Organizational and financial management of the hospital;
- Human resources management;
- Quality management in hospital care;
- Healthcare legislation and communication.

During 2013, 3 courses of this type were conducted in Bucharest with a total number of 58 participants.

TRAINING COURSE IN QUALITY MANAGEMENT IN HOSPITALS

The program was developed in 2012 and implemented in 2013. The course aims at theoretical and practical training of the staff that will work within the quality health care management structure in the hospitals; the course is organized according to MoH order no. 975/2012 regarding the organization of the health care quality management structures in the health units with beds, that are subordinated to the Ministry of Health and local authorities. The course has a development period of 15 days and the following structure:

- Module I – 4 days course and work on the quality improvement plan
- Practical activity in a sanitary institution - 6 days
- Module II – 4 days course and work on the quality improvement plan
- Course evaluation - quality improvement project presentation - 1 day

The course topics include issues relating to the quality management system, the mission, vision, purpose and hospital objectives, quality policies regarding the health care services provided by the hospital, the principles of quality improvement, leadership and organization of the structure of quality management for the medical services, quality assurance instruments and assessment of the services that were provided, quality and performance indicators of hospitals, quality assessment. The course provides for the participants a number of models and instruments in order to evaluate the hospital performance, to improve the hospital processes, and to prepare for the accreditation process, ensuring the quality of data reported by the hospital and the implementation of internal control and the quality textbook.

During 2013, 4 courses of this type were conducted, with a total number of 117 participants.

2. The Center for Health Services Research and Evaluation (CHSRE) has developed and finalized 2 new training programs:

- One program in the DRG domain: “MDSP (minimum data set per patient) – from coding to hospital indicators analysis” – intensive course - with a period of 2 days, designed especially for hospital staff with responsibilities for coding, reporting and data analysis of the clinical activity in the hospital. The program was developed in 2012 and implemented in 2013, so far 6 courses of this type were conducted, with a total number of 201 participants;

- A program developed within the project "Innovative strategy for cancer treatment in Romania" developed by NSPHMPDB, with the theme: The management of oncologic patient. The course is designed for nurses in oncology wards and aims to introduce the position of "oncology nurse navigator" and the duties of



this function which provides integrated support for cancer patients after hospital

discharge and home return. The development of the program was initiated in 2012 and completed in 2013 when two courses for 110 participants were held.

The lecturers from the Centre for Management and Health Promotion , from the Center for Health Services Research and Evaluation and from NSPHMPDB management staff, held 1252 hours of lecture from a total of 1912 hours, i.e. 65% of all classes held in 2013. The distribution of the classes supported by NSPHMPDB lecturers by program type is presented in Table 2.

Table 2. The distribution of the classes supported by NSPHMPDB lecturers

Course Type	No. of hours
Certificate training program in health services management	476
Training course in hospital management for hospital managers	390
Training course in hospital management for hospital nursing staff	122
Training course in quality management in hospitals	192
DRG	72
Total	1252

2. The National Center for Professional Development in Health (NCPDH) has organized during 2013: 119 continuous medical education programs, 57 certificate training programs, 10 programs for training of trainers and 102 practical internships, with a total of 5974 participants.

Table 3. Professional Development programs organized by NCPDH in 2013

Program type	No. of programs	No. of participants
Certificate training programs	57	1491
Continuous medical education programs for doctors or other postgraduate personnel	63	3034
Continuous medical education programs for nurses, orderlies, ambulance personnel	56	1214
Training of trainers	10	133
Practical internships	102	102
Total	288	5974

During 2013, NCPDH has achieved a diversification among the programs that were organized, meaning *the initiation of partnerships in new areas of training*, especially for certified complementary studies:

- Certificate training programs in Hepato-biliary-pancreatic surgery in Bucharest University Center (Fundeni)
- Certificate training programs in General ultrasonography (level I and II) in Bucharest University Center (Fundeni)
- Paediatric cardiology in Târgu Mureş University Center
- Aerospace Medicine in Bucharest University Center
- Homeopathy in Iaşi and Timișoara University Centers

Besides the training programs that were organized during 2013, based on the Minister of Health order no. EN 8298 of 22/08/2013 the NCPDH organized and conducted exams for obtaining specializations in Spa - Physiotherapy, Laboratory and Radiology - Medical Imaging for 649 nurses who attended specialization courses in these areas during the period 2009 – 2010.

The activities developed in the area of training and professional development are in accordance with the approved plan, both in volume and in terms of NSPHMPD objectives which aim at perfecting teaching methods, and also to improve and update teaching materials and diversification of courses.

II. Research activities - studies - projects

Research activities within NSPHMPD were conducted in accordance with the research and development program in 2013. Scientific and operational research is conducted primarily at the Center for Health Services Research and Evaluation, but within projects there are usually included participants and specialists from other structures within the institution.

In 2013 six projects were underway, from which five with external funding, and other two projects were selected for funding, namely for the final stage of evaluation in order to be funded.

Four of the six ongoing projects in 2013 were funded by the European Commission programs:

- **EUnetHTA JA2 (DG SANCO) 2012-2015**
- **PaSQ (DG SANCO) 2012-2015**
- **ASSPRO CEE (FP7) 2008-2013**
- **ALICE RAP (FP7) 2011-2015**

1. „European Network for HTA - Joint Action 2” (EUnetHTA JA2)

Funding source: European Commission - DG SANCO and own source funding

Duration: 2012-2015

Partners: EUnetHTA JA 2 project is developed by a consortium formed of 50 partners from 30 countries (28 EU state members, Norway and Switzerland), coordinated by the National Board of Health in Denmark. Besides partners EUnetHTA network has 18 associated members, which are participating in scientific activities of the network without receiving funds under the project.



Network web-site: <http://www.eunethta.eu/>

The project aim is to put into practice an efficient and continuous collaboration within evidence based medicine through which there will be gain a plus to the European national and regional value.

Current collaboration is a continuation of the previous project EUnetHTA Joint Action 1 (2010-2012) in which specific tools were developed for the process of health technology assessment. The current project aims to strengthen these tools by conducting transnational collaborative activities between members of the network, after which three HTA reports will be produced, taking into account the standardized model developed in Phase 1 of the project ("HTA Core Model") and after that, the network members will adapt and apply the model to the existing local conditions.

EUnetHTA JA2 project strategic objectives:

- Improve the use of the instruments for assessing medical technologies through an international collaborative approach in HTA domain
- Strengthen and improve collaboration within the EUnetHTA network thus to lead to a better understanding (of the EC and Member States) of the methods for establishing a stable structure in HTA domain at the European Union level

- Develop an overall strategy with the principles and proposals for implementing a sustainable cooperation at European level, in accordance with the stipulations of the Article 15 of the EC Directive on cross-border cooperation.

Activities undertaken in 2013, attended by the NSPHMPD staff, are presented for each working group. In the working group on training and dissemination (group number 2), the following activities were carried:

- Development of three training programs in the use of EUnetHTA tools and methods for health technology assessment: a program for training employees within the partner institutions, one training program for decision makers and another one for other interested partners (producers of medical technology, health care providers, funders, patient associations, etc)



- Developing a communication strategy within and outside the project
- Identifying channels for the dissemination of the project results

The undertaken activities of the working group (group number 4) on testing of the HTA reports' production through cross-border cooperation were the following:

- Develop a procedure for selecting the assessed technology
- Develop first HTA report on the topic of "Faecal Immunochemical Tests (FIT) vs. Faecal Occult Blood Test (FOBT) in rectal cancer screening"
- Choosing the subject and initiating the second report HTA - "Use of intravenous immunoglobulin in the treatment of Alzheimer's disease"

In the working group on improving the basic model used in the production of HTA reports (group number 8) during 2013 the following activities were conducted:

- Consulting on the project and public consulting regarding the improvement of the basic model for health technology assessment (Core HTA Model)
- Changing the basic model for health technology assessment
- Testing and updating the on line application for the use of the basic model
- Developing a policy for awarding commercial licenses

- Identifying the manner how one can support the development of HTA reports at national level

The NSPHMPD experts participated also in the transmission of information or review of the documents developed by other working groups.

2. „Joint Action for Patient Safety and Quality of Care” (PaSQ)

Funding source: European Commission - DG SANCO and own source funding

Project duration: 2012-2015



PaSQ European Union Network for Patient Safety and Quality of Care

Partners: The project is run by a consortium that includes 44 health care organizations in 39 countries (28 EU Member States and Norway), namely organizations responsible for the quality of health care services. NSPHMPD represents Romania in this partnership. The project coordinator is Haute Authority de Sante (HAS).

Network web-site: <http://www.pasq.eu/>

The project aims to promote the organization of the platforms for the patient safety and quality healthcare, in all European countries, through the exchange of information, experiences and the implementation of good practices in the patient safety and health quality domain.

The project's overall objective is to contribute in improving patient safety and quality of health services by supporting the implementation of the EC Recommendation on patient safety, through cooperation between Member States, EU organizations working in the quality domain and international organizations, regarding the issues related to quality and safety of the patient. This will be done through the dissemination of knowledge, experiences and good practices, and also by exploring their transferability between countries, with the support of the European Commission and other relevant organizations.

The project specific objectives are, as follows:

- Creating a mechanism for the exchange of good clinical practice (SCP - clinical safety practices) in the patient safety domain and in the area of quality management strategies at the level of health organizations (GOP - good operational practices) in the Member States
- Creating a web platform in order to facilitate the exchange of SCP and GOP
- Implementing good practices regarding safety and quality in member countries (by the criteria of feasibility, transferability, patient involvement, etc)

- Collecting information on the impact of implementing good practices for quality and safety
- Improving the mechanisms for cooperation and exchange of good practices

The activities conducted during 2013, within the work packages attended by NSPHMPD, were as follows:



- review of the scientific literature on clinical practices in patient safety domain
- participation in the elaboration of the Glossary of terms and definitions that stood at the basis of the questionnaires used to obtain national reports on clinical practices that address the increase of patient safety
- research and evaluation of clinical practices in patient safety domain within hospitals in Romania
- identifying 20 models of good practice in patient safety domain in Romania and sending them to the other partners for assessment
- presentation of two of the practices identified in Romania as models of good practice on the project's website - PaSQ - wiki platform, as a source of information accessible to all those working in health

3. “Assessment of patient payment policies and projection of their efficiency, equity and quality effects. The case of Central and Eastern Europe” (ASSPRO CEE 2007)

Funding source: European Commission - FP7 and own source funding

Duration: 2008 - 2013

Partners: The project was developed by a consortium formed of seven partners - educational and research institutions from Netherlands, Bulgaria, Lithuania, Romania, Ukraine, Poland and Hungary, under the coordination of the Department of Health Services Research, University of Maastricht.

Project web-site: <http://www.assprocee2007.com/>



The project goal ASSPRO CEE 2007 was to identify a comprehensive set of objective and evidence-based criteria, appropriate for policy evaluation regarding the payments made by patients and to develop a screening tool that can be used to analyze the efficiency, equity and quality effects of these policies, specific to Central and Eastern Europe.

The project's objectives were, as follows:

- identifying a comprehensive set of objective, evidence-based criteria (i.e. economic, social, institutional, historical, geographical, ethical, cultural, demographic and sector specific criteria) for evaluating policies on payments made by patients, with validation by applying them to Central and Eastern Europe
- developing a reliable and valid research tool for the study regarding the level and type of informal payments for health services and the application of this instrument in the Central and Eastern European countries, both for the analysis model of informal payments and for their effect on the use of health services
- developing a model of the application for health services paid officially by patients, which should explain the potential impact of informal payments on health services, providers behaviour and preferences of patients, and the validation of this model by applying it into the central and eastern European countries, by studying the effects of the official patient payments at the micro level
- developing a tool designed for the macro analysis regarding the efficiency, equity and quality effects of the policies regarding the payments made by patients using the application model for health care consumers in the field of official payments, and validation of this model by applying it in Central and Eastern Europe



The project was completed in February 2013 with a seminar to disseminate the project results at national level. The seminar title was "*Direct patient payments, between willingness and burden*" and took place on 27/02/2013, at the NSPHMPD. The participants were representatives of the main institutions of the health system in Romania. In this seminar there

have been presented and discussed the results of studies of the project on the opinions, attitudes and practices of people towards direct payments (formal and informal) made by patients to access health services as well as professional opinions.

4. „Addictions and lifestyles in contemporary Europe – reframing addictions project” (ALICE RAP)

Funding source: European Commission -FP7

Period of the project: 2011 - 2015

Partners: The project is run by a consortium formed of 42 partner institutions, but the number of participants is much higher, the project

intends to address the issue at the entire EU level and is structured in seven subjects and 21 working groups. NSPHMPD is participating in this project, based on a sub-contract concluded with the Clinic Foundation for Biomedical Research of Barcelona within the working group 5, with the responsibility to collect and process the available information regarding the prevalence of the consumption and dependence on alcohol, tobacco, illegal drugs and gambling addiction to estimate the dependence at national level.

Website: www.alicerap.eu



The project aims to provide scientific evidence to stimulate dialogue among civil society and decision makers that should lead to productive discussions on current and alternative modes of approach of the dependencies.

The project objectives are:

- providing an epidemiological perspective on addiction to alcohol, tobacco, drugs and gambling in different European countries
- estimating the prevalence of dependencies in each country, depending on gender and age
- to determine the prevalence of abuse and harmful use
- estimating mortality, years of life lost and the burden of disease ascribed to the addictions and substance use in each country, based on gender and age

NSPHMPD was subcontracted for this project in June 2013 and after conclusion of the formalities, the bibliographic research was conducted on national sources relating to alcohol, drugs and gambling, based on predetermined criteria.

One of externally funded projects was developed through a grant won from the Bristol Myers Foundation

5. “An innovative strategy for bridging cancer care in Romania”

Project period: 2011-2013

Partners: The project is run by NSPHMPD together with the Romanian Association of Nursing.

Details: http://www.snspsms.ro/images/download/bmsf_ro.pdf

The project goal was to improve the care of patients with cancer, through the introduction of the "nurse guiding" model ("oncology nurse navigator" ONN) in Romania, so that cancer patients receive treatment, counseling, guidance, care and monitoring, community and family support in all phases of the disease.

The project objectives were, as follows:

- developing an innovative model for oncological patient care
- increasing the level of education and training for nurses in oncology and community services

The project was completed in December 2013. The main activities developed within the project were:

- the development of the course curricula and training manual for the nurses working in oncology services
- writing, editing and multiplying sets of informational and educational materials entitled *"Prevention and basic information about the 10 most common cancers in Romania"*,



which was distributed to the two training sessions and dissemination conference at the end of the project - 150 sets of materials

- conducting a training session for 60 nurses in oncology services in the South - West Oltenia, during 27-31 of May 2013, in Craiova

- conducting a training session for 40 nurses in oncology services in Bucharest and Ilfov county, from 12 to 15 of November 2013, in Bucharest
- organizing the final conference to disseminate the project results, in which the qualitative research report was presented on 12 of December 2013, in Bucharest
- participation in the annual International Conference of Bristol Myers Squibb Foundation for grantees held between 18-20 of September 2013 in Amsterdam, where the project activities and results were presented
- publication of the article "Innovative model for counseling and guidance of cancer patients and those at risk in order to improve the quality of oncology services," Management in Health , Volume XVII/3/2013, pages 9-15.

A project has been funded by the Sectoral Operational Programme Human Resources Development 2007 - 2013 of the European Social Fund

6. "Doctors in quality health care services" – ID 56573

Project period: 2010 –2013

Partners: Medright Experts (Main partner), the National School of Public Health, Management and Professional Development, The Romanian College of Physicians, the Romanian College of Dentists.

The project goal was to develop, at national level, a unified, efficient, modern and integrated system for continuous professional training and consultancy in the area of prevention and management of malpractice cases and also of institutional management for specialist doctors in surgery, obstetrics and gynaecology, anaesthesia and intensive care and dentists.

Specific objectives:

- training of 1572 physicians (about 23% of the national total number) in the following specialties: surgery, obstetrics - gynaecology, anaesthesia and intensive care on the prevention and management of malpractice cases at both medical and institutional level
- training of 2408 dentists (about 16% of the national total number) in cabinet management and the prevention and the management of malpractice situations at both medical and institutional level
- creating a national network of 90 trainers and 86 persons - a capable resource for ensuring the sustainability of the structure for training, consulting and technical support

- developing an online portal for medical assistance and consultancy for doctors
- development of two Good practice guides regarding the alignment of medical practices at the legal requirements and the procedural mechanisms regarding the assume of the civil liability for the medical staff

The project was completed in June 2013. Within this project NSPHMPD has organized courses for doctors in the form of training workshops for two days with the following themes: informed consent, confidentiality of medical records, patient access to their medical information, patient discrimination, media access to patient's medical information, limiting the physicians to their own specialty, patient's right to a second opinion, civil professional liability insurance, conditions for the conduct of clinical studies, the legal conditions for the promotion of drugs, the authorisation and the management of medical cabinets, communication with patients. 201 training sessions were conducted (of which 80 for doctors in surgical specialties and 121 for dentists), the training sessions were supported by doctors and lawyers, all of them being experts accredited by the Ministry of Health.

Among all the project proposals submitted for funding, a project has been approved for funding through the European Commission Framework Programme 7 (FP7) and a project has been selected for the technical evaluation stage for funding by the National Scientific Research Agency.

“Comparative Effectiveness Research on Psychiatric Hospitalization by Record Linkage of large Administrative data Sets” (CEPHOS-LINK)

Funding source: European Commission - FP7 and own source funding

Development period: 2013 - 2016

Partners: A consortium formed of seven partners from six European countries (Finland, Austria, Romania, Norway, Italy, and Slovenia) under the coordination of the National Institute for Health and Welfare in Finland.

The project aims to develop a relationship between the sets of data recorded in large electronic data bases regarding the health care services in six European countries, that have different health systems, in order to explore the relationship between a high range of factors (at the level of patient and health services system) and the readmission of psychiatric patients who were discharged from the hospital, and also to compare the results regarding the different models of the service use. From the perspective of users and health care providers, the cost-effectiveness aspects and the results of the literature's systematic reviews will be

included in the studies results in order to develop guidelines, recommendations and decision support tools for decision makers in the field of mental health systems and the intervention services.

“The use of imagistic techniques for the diagnosis of brain lesions in patients addicted and development of an algorithm for modern therapy”

Funding source: ANCS

Development period: 2014- 2015

Partners: Project is developed in collaboration with the University of Medicine in Bucharest and other partners (hospitals and private partners).

The project overall objective is to develop innovative services and solutions, for the recovery and rehabilitation of addicted patients, using next generation neuro-imaging methods of investigation.

The specific objectives of the project are:

- defining and selecting the patients study group
- clinical and laboratory methods for diagnosing the brain lesions showing morphopathological changes at the cellular level
- creating an integrative clinical intervention algorithm for the development of a modern therapy
- increasing the visibility of project research results for the potential users of the knowledge generated by the project, in order to increase the quality of health care services for addicted patients

The project was jointly developed with the Ministry of Health, approved for funding by the European Social Fund - OPACD: COSTSPITPAC, the project was suspended by the Ministry of Health.

III. Consultancy and technical assistance activities

The main activities of consultancy and technical assistance were conducted under contract with the National Health Insurance House (NHIH)

According to current legislation, the NSPHMPD (through *the Center for Research and Evaluation of Health Services*) receives the reports from all hospitals in Romania that are under contract with NHIH, managing the National DRG database. Under contract with

NHIIH, NSPHMPD performs the following activities: electronic data collection of discharged patients, their validation and the classification of patients, evaluating the work and performance of health care providers, the quality of medical services, monitoring the compliance of the quality standards for the data collected, proposal for methodologies regarding fares calculation. Also, the Center's experts study and develop proposals for the development of patient classification systems and cost calculation methodologies, they participate in the development of some methods for adjusting the financing of health units, of the criteria for assessing the management performance and benchmarking tools for these.

In 2013, based on the research and analyzes that were developed, there have been improvements at the level of the operation system concerning the data collection and DRG data reporting through the update of the DRG National internal application and through the development of a new version of this application, regarding the modification of the Order No. 1782/2006 regarding the registration and statistical reporting of patients receiving medical services under continuous and day care admission. Proposals for updating the coding standards have also been developed.

The studies and analyzes carried out on the DRG domain had aimed at identifying critical aspects regarding the financing methods and the activity development within Romanian hospitals and the monitoring and the evaluation of health services provided by hospitals in order to ensure efficient technical support for the monitoring and control activity of these.

Thus, during 2013 the following activities were developed:

1. Updating the format for collecting and transmitting the minimum data set per patient under day care admission (MDSPP):
 - activity reports per health unit, related to day care admission
 - comparing the number of patients admitted to hospital for day treatment (medical and surgical) and those admitted to continuous hospitalization (acute and chronic).
2. Developing proposals on methodology for calculating the case-mix index (ICM) and weighted case rates for each bed type medical institutions reimbursed through DRG system, conducting simulations using calculated rates based on financial data provided by the NHIIH - the results interpretation and providing recommendations in this regard, impact analysis of day care admission and hospital readmissions on services usage.

3. Analysis of the issues with potential impact on reimbursement (high resource consumers) identified by NSPHMPD:

- The analysis of the patients that have been reported as emergency, based on admission criteria and pathology
- The analysis of the "Top 50 hospitals that had the highest proportion of expensive DRG of all reported and validated discharges"
- The analysis of the average and extreme duration of hospitalization at ward level, on the proposals of adjustment of the optimal duration for hospitalization
- Analysis of the reporting and coding errors that indicate problems with reimbursement impact
- Analysis of the DRG groups related to reported cases by hospitals on day care admission
- Quarterly analysis of hospital readmissions within 48 hours, depending on the pathology and type of hospital
- The analysis of the first 10 surgical procedures that generate the biggest differences in the classification of cases, in terms of weighted cases
- Report regarding the proportion of patients with "emergency" criteria hospitalization, on hospitals and wards
- Report on monitoring the variation of the case-mix index calculated for acute hospital wards, that are newly entered under contract with the National Health Insurance House, in the last year, hospitals that are not yet funded through the DRG system
- Report on the medical units with beds that have the highest rate of invalidation (top 50 hospitals) in comparison with the number of reported cases in order to be validated the NSPHMPD
- Report on monitoring the number of classified cases in DRGs within 24 hours
- Report on the case-mix index performed at bed type medical institution level, in relation to the published rules implementing the Framework Contract
- Report on the case-mix index variation achieved at the level of the ward of bed type medical units, compared to the national average calculated for that specialty
- Top 10 diagnoses that generate the biggest differences in cases grouping, at national level and according to the Health Insurance House
- Report on the most common 20 diagnostic groups, taking into account the ward type: acute and chronic, medical and surgical

4. Development of reports on hospitalized casuistry and on the management of a Web section dedicated to them on the Web page www.drg.ro.

The analyses that were made, brought improvement in the performance of the DRG data collection and reporting, materialised through the following activities:

- Updating the DRG National internal application in July and October 2013
- The development of a new version of this application, regarding the modification of the Order No. 1782/2006 regarding the registration and statistical reporting of patients receiving medical services under continuous and day care admission

Proposals have also been made on the updating of coding standards, namely:

- The document GENERAL STANDARDS FOR DISEASES was sent to be analysed by the National Center for Public Health Statistics and Informatics
- A list of proposals to amend the classification was drafted, this list being submitted as a debate subject within the working group for the development of RO DRG classification.

Other consultancy and technical assistance activities carried out in 2013 were:

- Development of statistics and analysis of cases with primary diagnosis by birth type, at national level, reported in the current year by the bed type medical units - the for the BIOGENIS stem cell bank
- Evaluation of cases with primary or secondary diagnosis of liver disease type, at national level, reported during 2011 by bed type medical units under continuous and day care admission - for the Romanian Society of Pharmaco - economics
- Evaluation of the cases of chronic obstructive pulmonary disease, asthma, systemic lupus, renal malignancies, lung malignancy, malignant tumours of the breast, malignant melanoma of the skin and other connective and soft tissue malignant tumour, at national level, that have been reported during 2010 - 2012 by bed type medical units under continuous admission - for GlaxoSmithKline
- Development and analysis and statistics on hospitalized morbidity for preventable diseases by vaccination for anti-pneumococcal, anti-rotavirus, anti-HPV and by the pathology correlated with benign prostatic hyperplasia - for GlaxoSmithKline
- Developing and organizing training sessions on management, legislation and hospitals funding within DRG domain - for Servier Pharma
- Development of some statistics and analyzes necessary for the "Impact study on how alcohol abuse affects the health system in Romania" - the Romanian Association for Health Promotion
- Analysis on the complications costs for the rheumatoid polyarthritis cases that were discharged from the Romanian hospitals in 2012 - for UCB Pharma Romania

IV. Dissemination of research results

The results for research, studies and projects developed by NSPHMPD are disseminated through publications and communications in various scientific events.

NSPHMPD specialists were authors or co-authors in 24 papers that were published in ISI journals or BDI indexed, 5 chapters in books that were internationally published, 2 reports published online, 6 scientific papers at international conferences, 7 presentations at the two work-shops organized in order to disseminate the results of the finalized projects “ASSPRO CEE 2007” and "An innovative strategy for bridging cancer care in Romania".

The journal “Management in Health” is the NSPHMPD quarterly scientific publication (<http://journal.managementinhealth.com>)

Since 2010, the journal became part of the B + journals category with scores of recognition by the National Council of Scientific Research in Higher Education. Meanwhile, the journal also met the conditions for its inclusion in five international databases: Google Scholar, Index Copernicus, DOAJ (Directory of Open Access Journals), SCOPUS and Elsevier. Since 2011, the journal is being ISI Thompson evaluated. The journal is



also credited by the College of Physicians of Romania with 5 points. During 2013 the journal “Management in Health” has published 29 scientific articles, from which five articles had authors or co-authors within NSPHMPD.

In 2013, NSPHMPD specialists were authors or co-authors in:

- 24 articles, from which 15 in printed journals and the rest of them being online published, following to be printed (Annex 1)

- 5 chapters in books that were internationally written and published (Annex 1)
- 6 scientific papers at international conferences (Annex 2)
- 7 presentations at the two work-shops organized in order to disseminate the results of the finalized projects “ASSPRO CEE 2007” and "An innovative strategy for bridging cancer care in Romania" (Annex 2)

V. Main activities in international networks and collaborative partnerships with other research/public health institutions

Joanna Briggs Institute (JBI)

The Joanna Briggs Institute (JBI) (<http://joannabriggs.org/about.html>) is a research institution within the Faculty of Health Sciences at the University of Adelaide, South Australia, which created an international collaboration network with over 70 entities across the world, as to promote and support the synthesis, the transfer and the use of scientific evidence by identifying feasible, appropriate, meaningful and effective practices, in order to improve healthcare at global level. Through a group of experts with specific training in the field, NSPHMPD is an Affiliated Center of Joanna Briggs Institute.

In this affiliation in 2013, the following activities were developed:

- documentation for the development of three protocols for literature systematic reviews, the themes chosen for them are: the effectiveness of interventions in the treatment of C hepatitis, the effectiveness of interventions for methadone consumption deconditioning, to estimate the prevalence of post-traumatic stress syndrome
- revisions of protocols for the systematic reviews developed by other network members
- participation in the annual meeting of JBI collaborating and affiliated centers directors, during which it was determined that the next European regional meeting would be held in Bucharest in 2014
- presentation of a poster at the annual convention of the JBI



National Institute of Statistics (NIS)

Under a collaboration agreement signed with the National Institute of Statistics since 2011, NSPHMPD provides to this institution a series of data necessary for the elaboration of national and international statistics in public health domain. In 2013, there have been processed and sent to NIS the following:

- quasi-prices data internationally comparable for certain health care services developed in bed type medical units during 2012; these data were requested by Eurostat-OECD within PPP program (Hospitals Purchasing Power Parity) Survey and are used to compare the volume of hospital expenses and to calculate PPP for health;
- data regarding the number of patients discharged from hospital, by class of diseases in 2012; these data were required to develop the Romanian Statistical Yearbook, 2013 edition.

Other activities developed in collaboration with other institutions:

- Re-enabled collaboration agreement with the School of Public Health Management in Chisinau, Moldova, and the consent of Dr. Oleg Lozan, the Director of the School of Public Health Management in Chisinau to be part of the Editorial Board of the Journal "Management Health"
- Developing proposals for joint projects with various collaborators: Institute for Public Policy, IHS Medical School, the Romanian Order of General Nurses, Midwives and Nurses, etc

Annex 1 – Publications in 2013

Articles

No.	Title	Authors	Journal	Impact factor ISI/SSCI	Other categories CNCISIS / BDI
Articles in printed publications					
1	The prevalence and correlates of binge eating disorder in the World Health Organization World Mental Health Surveys.	Kessler RC, Berglund PA, Chiu WT, Deitz AC, Hudson JI, Shahly V, Aguilar-Gaxiola S, Alonso J, Angermeyer MC, Benjet C, Bruffaerts R, de Girolamo G, de Graaf R, Maria Haro J, Kovess-Masfety V, O'Neill S, Posada-Villa J, Sasu C , Scott K, Viana MC, Xavier M.	<i>Biological Psychiatry</i> , Volume 73, Issue 9 , Pages 904-914, 1 May 2013	9.247	
2	Dissociation in posttraumatic stress disorder: evidence from the World Mental Health Surveys.	Stein, D.J., Koenen, K.C., Friedman, M.J., Hill, E., McLaughlin, K.A., Petukhova, M., Ruscio, A.M., Shahly, V., Spiegel, D., Borges, G., Bunting, B., Caldas-de-Almeida, J.M., de Girolamo, G., Demyttenaere, K., Florescu, S. , Haro, J.M., Karam, E.G., Kovess-Masfety, V., Lee, S., Matschinger, H., Mladenova, M., Posada-Villa, J., Tachimori, H., Viana, M.C., Kessler, R.C.	<i>Biological Psychiatry</i> , Volume 73, Issue 4 , Pages 302-312, 15 February 2013	9.247	
3	Drop out from out-patient mental healthcare in the World Health Organization's World Mental Health Survey Initiative.	Wells, J.E., Oakley Browne, M., Aguilar-Gaxiola, S., Al-Hamzawi, A., Alonso, J., Angermeyer, M.C., Bouzan, C., Bruffaerts, R., Bunting, B., Caldas-de-Almeida, J.M., de Girolamo, G., de Graaf, R., Florescu, S. , Fukao, A., Gureje, O., Hinkov, H.R., Hu, C., Hwang, I., Karam, E.G., Kostyuchenko, S., Kovess-Masfety, V., Levinson, D., Liu, Z., Medina-Mora, M.E., Nizamie, S.H., Posada-Villa, J., Sampson, N.A., Stein, D.J., Viana, M.C., Kessler, R.C.	<i>British Journal of Psychiatry</i> , May 1, 2013 202:383	6.619	
4	Cross-national differences in the prevalence and correlates of burden among older family caregivers in the World Health Organization World Mental Health (WMH) Surveys	Shahly V, Chatterji S, Gruber MJ, Al-Hamzawi A, Alonso J, Andrade LH, Angermeyer MC, Bruffaerts R, Bunting B, Caldas-de-Almeida JM, de Girolamo G, de Jonge P, Florescu S , Gureje O, Haro JM, Hinkov HR, Hu C, Karam EG, Lépine JP, Levinson D, Medina-Mora ME, Posada-	<i>Psychol Med.</i> 2013 Apr; 43(4):865-79.	6.16	

		Villa J, Sampson NA, Trivedi JK, Viana MC, Kessler RC.			
5	Associations between DSM-IV mental disorders and subsequent heart disease onset: Beyond depression.	Kate M Scott, Peter de Jonge, Jordi Alonso, Maria Carmen Viana, Zhaorui Liu, Siobhan O'Neill, Sergio Aguilar-Gaxiola, Ronny Bruffaerts, Jose Miguel Caldas-de-Almeida, Dan J Stein, Giovanni de Girolamo, Silvia E Florescu , Chiyi Hu, Nezar Ismet Taib, Jean-Pierre Lépine, Daphna Levinson, Herbert Matschinger, Maria Elena Medina-Mora, Marina Piazza, José A Posada-Villa, Hidenori Uda, Bogdan J Wojtyniak, Carmen C W Lim, Ronald C Kessler	<i>International journal of cardiology</i> Volume 168, Issue 6 , Pages 5293-5299, 15 October 2013	5.509	
6	Is ADHD in childhood associated with lifetime hoarding symptoms? An epidemiological study.	Fullana, M.A., Vilagut, G., Mataix-Cols, D., Adroher, N.D., Bruffaerts, R., Bunting, B., Caldas-de-Almeida, J.M., Florescu, S. , de Girolamo, G., de Graaf, R., Haro, J.M., Kovess-Masfety, V., Alonso, J.	<i>Depression and Anxiety.</i> August 2013 Volume 30, Issue 8 Pages 697–785	4.184	
7	Irritable mood in adult Major Depressive Disorder: Results from the World Mental Health Surveys.	Kovess-Masfety, V., Alonso, J., Angermeyer, M., Bromet, E., de Girolamo, G., de Jonge, P., Demyttenaere, K., Florescu, S. , E., Gruber, M., Gureje, M.J., Gureje, O., Huang, Y., Karam, E.G., Jin, R., Lépine, J.-P., Levinson, D., McLaughlin, K.A., Medina-Mora, M.E., O'Neill, S., Ono, Y., Posada-Villa, J., Sampson, N.A., Scott, K.M., Shahly, V., Stein, D.J., Viana, M.C., Zarkov, Z., Kessler, R.C.	<i>Depression and Anxiety</i> Volume 30, Issue 4, pages 395–406, April 2013	4.184	
8	Associations between DSM-IV mental disorders and onset of self-reported peptic ulcer in the World Mental Health Surveys	Kate M. Scott, Jordi Alonso, Peter de Jonge, Maria Carmen Viana, Zhaorui Liu, Siobhan O'Neill, Sergio Aguilar-Gaxiola, Ronny Bruffaerts, Jose Miguel Caldas-de-Almeida, Dan J. Stein, Matthias Angermeyer, Corina Benjet, Giovanni de Girolamo, Ingrid-Laura Firuleasa , Chiyi Hu, Andrzej Kiejna, Viviane Kovess-Masfety, Daphna Levinson, Yoshihumi Nakane, Marina Piazza, José A. Posada-Villa, Mohammad Salih Khalaf, Carmen C.W. Lim, Ronald C. Kessler	<i>Journal of Psychosomatic Research</i> Volume 75, Issue 2, August 2013, Pages 121–127	3.268	
9	Family burden related to mental and physical illness in the world: Results from the WHO	Viana, M.C., Gruber, M.J., Shahly, V., Al-hamzawi, A.O., Alonso, J., Andrade, L.H., Angermeyer, M.C., Benjet, C.,	<i>Revista Brasileira de Psiquiatria</i> , 35(2), 115-125.	1.86	

	World Mental Health (WMH) Surveys.	Bruffaerts, R., Caldas-de-Almeida, J.M., de Girolamo, G., de Jonge, P., Ferry, F., Florescu, S. , Gureje, O., Haro, J.M., Hinkov, H., Hu, C., Karam, E.G., Lépine, J.-P., Levinson, D., Posada-Villa, J., Sampson, N.A., Kessler, R.C.			
10	A framework for scientific advice on health: EuSANH's principles and guidelines	Antonio Sarría Santamera, Eert J Schoten, Theodora M Coenen, Louise J Gunning-Schepers, André Pauwels, Susanne V Allander, Mirosław J Wysocki, Marius Ciutan , Carlos Segovia	<i>Health Research Policy and Systems</i> , 2013, 11 :6 doi:10.1186/1478-4505-11-6	1.41	
11	Tracheostomy or ventilation > 95 hours. Causes and consequences of the hospitalisation length variability in the within Romanian hospitals	Chiriac, N.D, Muşat S.N., Vlădescu C	<i>Management in Health</i> XVII/4/2013, pg 1-4		B+ Scopus Elsevier Index Copernicus Google Scholar DOAJ
12	Unemployment and depression - study on the presence and severity level of depression in unemployed and employed	Pellegrini A., Bordea E., Vâlceanu D	<i>Management in Health</i> XVII/4/2013, pg. 36-41		B+ Scopus Elsevier Index Copernicus Google Scholar DOAJ
13	Innovative model in counseling and guidance for cancer patients and people at risk, in order to improve the quality of oncological services	Angheluță, C., Sasu C., Panait, L., Ciolompea, T., Popovici G	<i>Management in Health</i> XVII/3/2013, pg.9-15		B+ Scopus Elsevier Index Copernicus Google Scholar DOAJ
14	The use of the geographical information system to analyze the effects of health reform on the affluence and accessibility in Caras-Severin patients to the county hospital in Resita	Merciu, G.L., Muşat S.N.	<i>Management in Health</i> XVII/1/2013, pg. 19-22		B+ Scopus Elsevier Index Copernicus Google Scholar DOAJ
15	Newness on the therapeutic management of obsessive compulsive disorder	Udangiu Nica L., Moldovan M.	<i>Management in Health</i> XVII/1/2013, pg. 28-32		B+ Scopus Elsevier Index Copernicus Google Scholar DOAJ
Online published articles					
16	Mood and anxiety disorders across the adult lifespan: a	R D McDowell, A Ryan, B P Bunting, S M O'Neill, J Alonso, R Bruffaerts, R de	<i>Psychological Medicine</i> . DOI: http://dx.doi.org/10.10	6.16	

	European perspective.	Graaf, S Florescu , G Vilagut, J M C de Almeida, G de Girolamo, J M Haro, H Hinkov, V Kovess-Masfety, H Matschinger, T Tomov	17/S003329171300116 (About DOI), Published online: 31 May 2013		
17	Barriers to mental health treatment: results from the WHO World Mental Health surveys.	L H Andrade, J Alonso, Z Mneimneh, J E Wells, A Al-Hamzawi, G Borges, E Bromet, R Bruffaerts, G de Girolamo, R de Graaf, S Florescu , O Gureje, H R Hinkov, C Hu, Y Huang, I Hwang, R Jin, E G Karam, V Kovess-Masfety, D Levinson, H Matschinger, S O'Neill, J Posada-Villa, R Sagar, N A Sampson, C Sasu , D J Stein, T Takeshima, M C Viana, M Xavier, R C Kessler	<i>Psychological Medicine</i> 2013 Aug 9:1-15. [Epub ahead of print]	6.16	
18	Cumulative traumas and risk thresholds: 12-month PTSD in the World Mental Health (WMH) Surveys.	Karam, E.G., Friedman, M.J., Hill, E.D., Kessler, R.C., McLaughlin, K.A., Petukhova, M., Sampson, L., Shahly, V., Angermeyer, M.C., Bromet, E.J., de Girolamo, G., de Graaf, R., Demyttenaere, K., Ferry, F., Florescu, S. , Haro, J.M., He, Y., Karam, A.N., Kawakami, N., Kovess-Masfety, V., Medina-Mora, M.E., Oakley Browne, M.A., Posada-Villa, J.A., Shalev, A.Y., Stein, D.J., Viana, M.C., Zarkov, Z., Koenen, K.C.	<i>Depression and Anxiety.</i> doi: 10.1002/da.22169. Epub 2013 Aug 27.	4.184	
19	Associations between lifetime traumatic events and subsequent chronic physical conditions: a cross-national, cross-sectional study.	Scott, K.M.; Koenen, K.C.; Aguilar-Gaxiola, S.; Alonso, J.; Angermeyer, M.C.; Benjet, C.; Bruffaerts, R.; Caldas-de-Almeida, J.M.; de Girolamo, G.; Florescu, S. ; Iwata, N.; Levinson, D.; Lim, C.C.W.; Murphy, S.; Ormel, J.; Posada-Villa, J.; Kessler, R.C.	<i>PLoS One.</i> November 19, 2013 DOI: 10.1371/journal.pone.0080573	3.730	
20	Disability mediates the impact of common conditions on perceived health.	Alonso J, Vilagut G, Adroher ND, Chatterji S, He Y, Andrade LH, Bromet E, Bruffaerts R, Fayyad J, Florescu S , de Girolamo G, Gureje O, Haro JM, Hinkov H, Hu C, Iwata N, Lee S, Levinson D, Lépine JP, Matschinger H, Medina-Mora ME, O'Neill S, Hormel J, Posada-Villa JA, Ismet Taib N, Xavier M, Kessler RC	<i>PLoS One.</i> June 06, 2013 DOI: 10.1371/journal.pone.0065858	3.730	
21	Comorbidity of common mental disorders with cancer and their treatment gap: findings from the World Mental Health Surveys.	Nakash, O., Levav, I., Aguilar-Gaxiola, S., Alonso, J., Andrade, L.H., Angermeyer, M.C., Bruffaerts, R., Caldas-de-Almeida, J.M., Florescu, S. , de Girolamo, G., Gureje, O., He, Y., Hu, C., de Jonge, P., Karam, E.G., Kovess-	<i>Psycho-Oncology.</i> doi: 10.1002/pon.3372. Epub 2013 Aug 27.	3.506	

		Masfety, V., Medina-Mora, M.E., Moskalewicz, J., Murphy, S., Nakamura, Y., Piazza, M., Posada-Villa, J., Stein, D.J., Taib, N.I., Zarkov, Z., Kessler, R.C., Scott, K.M.			
22	Associations between mental disorders and subsequent onset of hypertension	Stein, D.J., Aguilar-Gaxiola, S., Alonso, J., Bruffaerts, R., de Jonge, P., Liu, Z., Caldas-de-Almeida, J.M., O'Neill, S., Viana, M.C., Al-Hamzawi, A.O., Angermeyer, M.C., Benjet, C., de Graff, R., Ferry, F., Kovess-Masfety, V., Levinson, D., de Girolamo, G., Florescu, S. , Hu, C., Kawakami, N., Haro, J.M., Piazza, M., Wojtyniak, B.J., Xavier, M., Lim, C.C.W., Kessler, R.C., Scott, K.	<i>General Hospital Psychiatry</i> Published online 18 November 2013.	2.977	
23	Social inequalities in mental health: results from the EU contribution to the World Mental Health Surveys Initiative.	Pinto-Meza, A., Moneta, M.V., Alonso, J., Angermeyer, M.C., Bruffaerts, R., Caldas de Almeida, J.M., de Girolamo, G., de Graaf, R., Florescu, S. , Kovess Masfety, V., O'Neill, S., Vassilev, S., Haro, J.M. (2013).	<i>Social Psychiatry and Psychiatric Epidemiology</i> DOI: http://dx.doi.org/10.1017/S2045796013000516 (About DOI), Published online: 23 September 2013	2.94	
24	Alcohol abuse in developed and developing countries in the World Mental Health surveys: socially defined consequences or psychiatric disorder?	Glantz, M.D., Medina-Mora, M.E., Petukhova, M., Andrade, L.H., Anthony, J.C., de Girolamo, G., de Graaf, R., Degenhardt, L., Demyttenaere, K., Florescu, S. , Gureje, O., Haro, J.M., Horiguchik, I., Karam, E.G., Kostyuchenko, S., Lee, S., Lépine, J.-P., Matschinger, H., Neumark, Y., Posada-Villa, J., Sagar, R., Stein, D.J., Tomov, T., Wells, J.E., Chatterji, S., Kessler, R.C.	<i>The American Journal on Addictions.</i> Article first published online: 29 AUG 2013 DOI: 10.1111/j.1521-0391.2013.12082.x	1.74	

Books/chapters/reports

No.	Chapter title	Authors	Book title/Report Publisher/Coordinator	Publishing house/ publication web site
1	Chapter 8 Working across the Danube: Calarasi and Silistra hospitals sharing doctors (Romania–Bulgaria)	Adriana Galan, Victor Olsavszky, Cristian Vlădescu	Hospitals and Borders. Seven case studies on cross-border collaboration and health system interactions Editors: Irene A. Glinos and Matthias Wismar	The European Observatory on Health Systems and Policies Observatory Studies Series © World Health Organization 2013
2	Partial disability associated with common mental and physical disorders.	Bruffaerts, R., Vilagut, G., Al-Hamzawi, A.O., Bunting, B., He, Y., Florescu, S. , Hu, C., Wells, J.E., Xavier, M.	The Burdens of Mental Disorders: Global Perspectives from the WHO World Mental Health Surveys Editors: Jordi Alonso, Somnath Chatterji, Yanling He	Cambridge, United Kingdom: Cambridge University Press. May 2013

3	Human Resource Management	Silvia Gabriela Scintee	Health Investigation: Analysis – Planning – Evaluation. A Handbook for Teachers, Researchers and Health Professionals Vol II (2nd edition) Forum for Public Health in Southeastern Europe Editors: Genc Burazeri and Lijana Zaletel Kragelj	Jacobs Verlag, Lage 2013
4	Team building	Adriana Galan, Silvia Gabriela Scintee	Health Investigation: Analysis – Planning – Evaluation. A Handbook for Teachers, Researchers and Health Professionals Vol II (2nd edition) Forum for Public Health in Southeastern Europe Editors: Genc Burazeri and Lijana Zaletel Kragelj	Jacobs Verlag, Lage 2013
5	Project management	Silvia Gabriela Scintee , Adriana Galan	Health Investigation: Analysis – Planning – Evaluation. A Handbook for Teachers, Researchers and Health Professionals Vol II (2nd edition) Forum for Public Health in Southeastern Europe Editors: Genc Burazeri and Lijana Zaletel Kragelj	Jacobs Verlag, Lage 2013
6		Vincenzo Guardabasso, Viktória Anna Kovács, Allyson Pollock, Silvia Gabriela Scintee , Susan Southon, Göran Tomson	Review of Public Health Research Projects Financed under the Commission's Framework Programmes for Health Research, April 2013	European Commission – General Directorate for Research and Innovation http://ec.europa.eu/research/health/news_en.html
7		Thorkild I. A. Sørensen [Chair], John Patrick Browne [Rapporteur], Maurizio Bonati, Nancy Edwards, Louise Gunning – Schepers, Petra Keil, Karine Lamiraud, Peter Lange, Anders Olauson, Jørn Olsen, Susana Sans, Fernand Sauer, Silvia Gabriela Scintee , Mirosław J. Wysocki	Report of the Independent Expert Group on the Future of European Public Health Research, 28 March 2013-11-13	European Commission – General Directorate for Research and Innovation http://ec.europa.eu/research/health/news_en.html

Annex 2 – Scientific papers in 2013

International events presentations

1. **S. Florescu, M Ciutan, C Sasu, M Gălăon, I. Firuleasa, G Popovici**, *Association of Major Depressive Episode with specific chronic pain conditions in Romania*, European Public Health Conference, 13 - 16 of November 2013, Bruxelles
2. **S. Florescu, M Ciutan, C Sasu, M Gălăon, I Firuleasa, G Popovici**, *Age as a predictor of lifetime risk of DSM-IV disorders*, European Public Health Conference, 13 - 16 of November 2013, Bruxelles
3. **S. Florescu, M. Ciutan, M. Galaon, C. Sasu, S. G. Scintee**, *Public Health Policies Can Be Systematically Reviewed or Not? The Joanna Briggs Institute's 2013 International Convention "The 2013 campaign for getting evidence into policy"*, 21-23 of October 2013, Adelaide
4. **C. Angheluta, T. Ciolompea**, *An innovative Strategy for Bridging Cancer Care in Romania*, Bristol Mayers Squibb Foundation Projects Summit, 24-27 of September 2013, Amsterdam
5. Stamate M., **Chiriac N**, Modan A, *Health Outcomes and Life Quality in CI Children in Romania*, 11th European Balkan MedEl Congress "Hearing Implants and High Tech Hearing Aids", 25-28 of October 2013, Vienna
6. Raluca Sfetcu, Carmen Pauna, Dan Ghenea, Alexandru Paziuc, Muger Ciumageanu, **Nona Chiriac, Simona Musat**, *Service pattern, financing mechanisms, incentives and pathways of care in the Romanian mental health care system*. World Psychiatric Association Regional Congress „Primary Care, Mental Health & Public Health Integration: The Catalytic Role of Information and Communication Technology (ICT) for Southeast Europe and Eurasia”, 10-13 April, 2013, Bucharest

National events presentations

7. **Cristian Vladescu**, *Cancer - a public health problem in Romania*, Seminar within the project "An innovative strategy in cancer treatment in Romania" 17 of December 2013, Bucharest
8. **Carmen Angheluta**, *Innovative model for cancer care in Romania*, Seminar in the project " An innovative strategy in cancer treatment in Romania", 17 of December 2013, Bucharest
9. **Teodora Ciolompea**, *Needs assessment study. Qualitative research*, Seminar in the project " An innovative strategy in cancer treatment in Romania", 17 of December 2013, Bucharest
10. **Carmen Sasu**, *Needs assessment study. Quantitative research*, Seminar in the project " An innovative strategy in cancer treatment in Romania", 17 of December 2013, Bucharest
11. Furtunescu F., Galan A., **Mihaescu-Pintia C.** *Study on the economic impact of harmful alcohol consumption on health care system in Romania*, Romanian Association for the Health Promotion, October 2013, Bucharest
12. **Silvia Florescu**, *Issues regarding the use of hospital and ambulatory health services, in relation to perceived needs and health status*, Seminar within the ASSPRO CEE 2007 project, FP7, 27 of February, 2013, Bucharest
13. **Silvia Florescu**, *The opinions of the users and health services providers regarding co-payments in Romania*, Seminar within the ASSPRO CEE 2007 project, FP7, 27 of February, 2013, Bucharest
14. **Constanta Mihaescu-Pintia**, *Direct payments (out of pocket) for health services in Romania, between burden and willingness to pay*, Seminar within the ASSPRO CEE 2007 project, FP7, 27 of February, 2013, Bucharest