

Health related issues in Moldova

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Health Research institutions network of the Republic of Moldova

- SUMPh “Nicolae Testemitanu”
- Mother and Child Institute
- National Center of Public Health
- Institute of Cardiology
- Institute of Oncology



Health Research institutions network of the Republic of Moldova

- Institute of Neurology and Neurosurgery
- National Scientific and Practical Center of Emergency Medicine
- Institute of Phthysiopneumology
- Scientific Department of the National Clinical Hospital



Scientific potential of the ASM Medical Section

Scientific researches are carried out at the 9 Institutions (Medical University, Research Institutions, Scientific and Practical Centers).

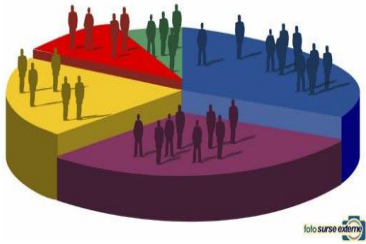
Total: 490 Scientific Researchers, inclusive

- *10 Academicians*
- *66 Doctors Habilitat*
- *188 Doctors*
- *208 PhD students and postdoc*
- *85 young researchers*

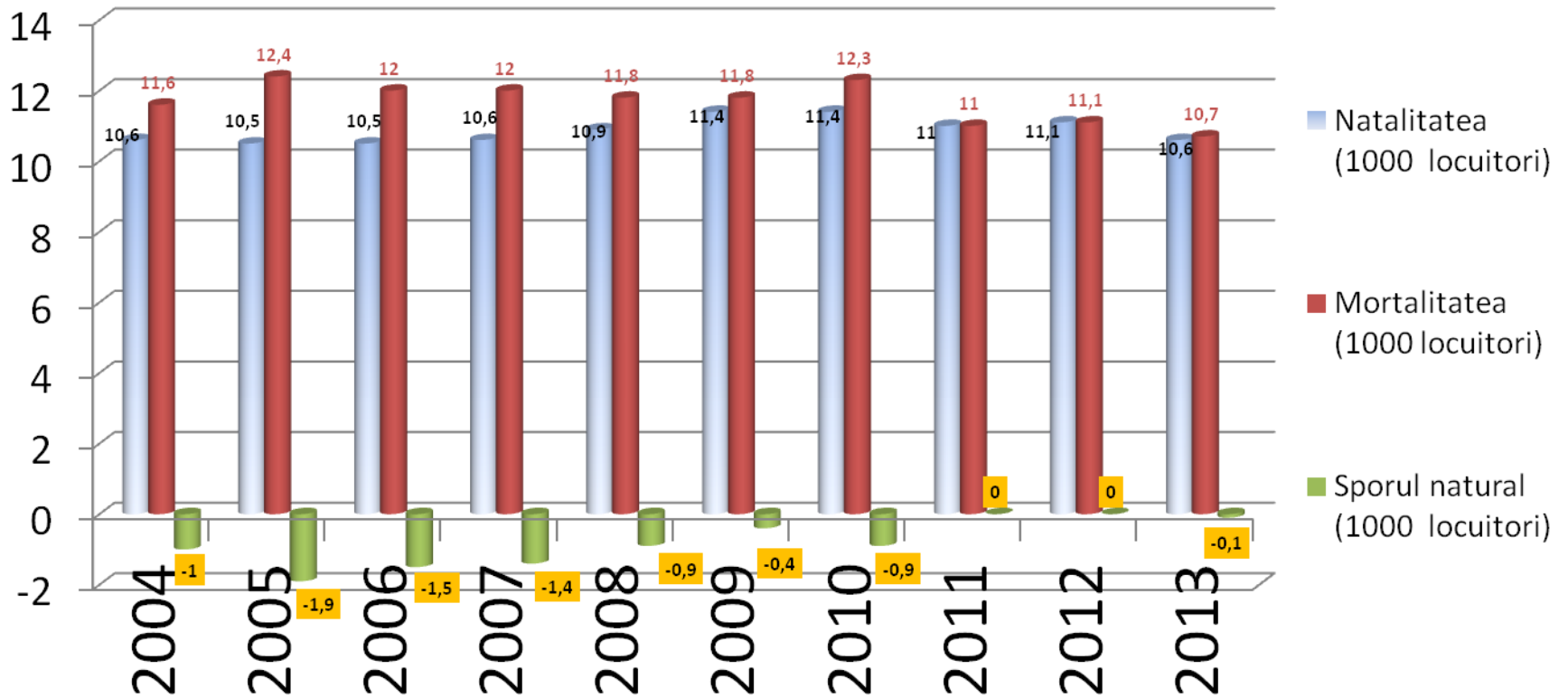


Our scientists are involved in 75 scientific research projects:

1.	Total Projects	75
1.1.	Institutional national	61
1.1.1.	Fundamental national	9
1.1.2.	Applied national	52
1.2.	For young researchers	3
1.3.	Innovation and technology transfer	2
1.4.	International	9

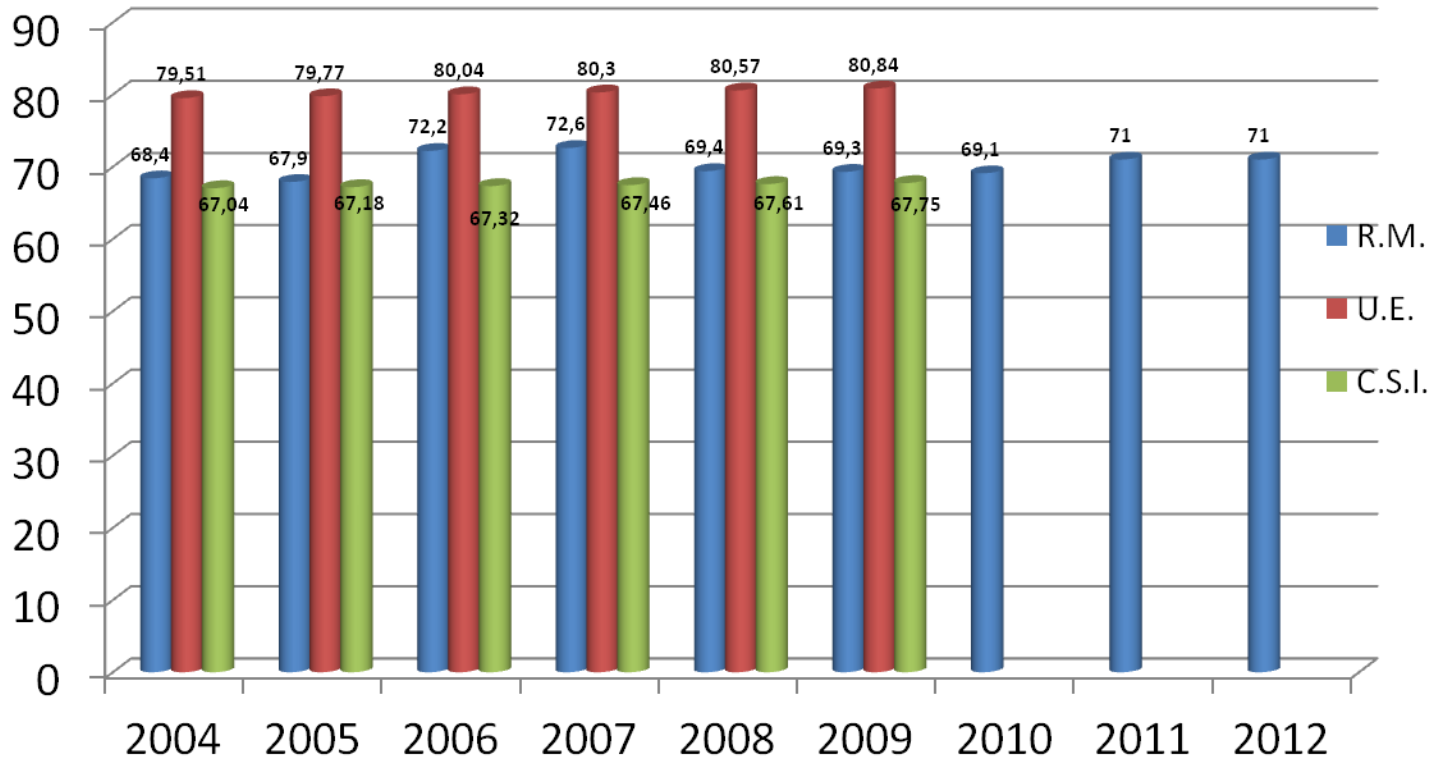


Demographic data



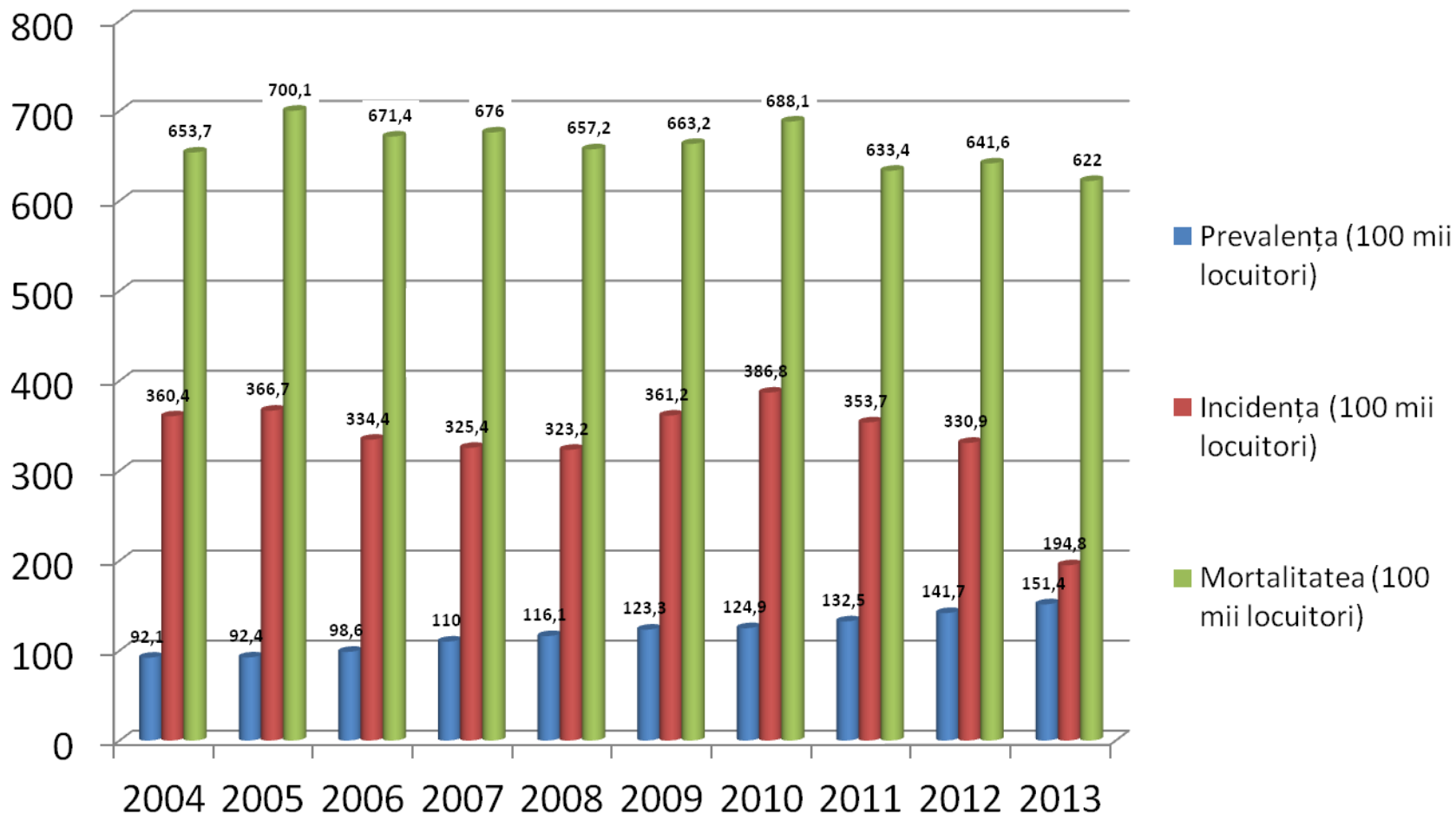


Life expectancy at the birth



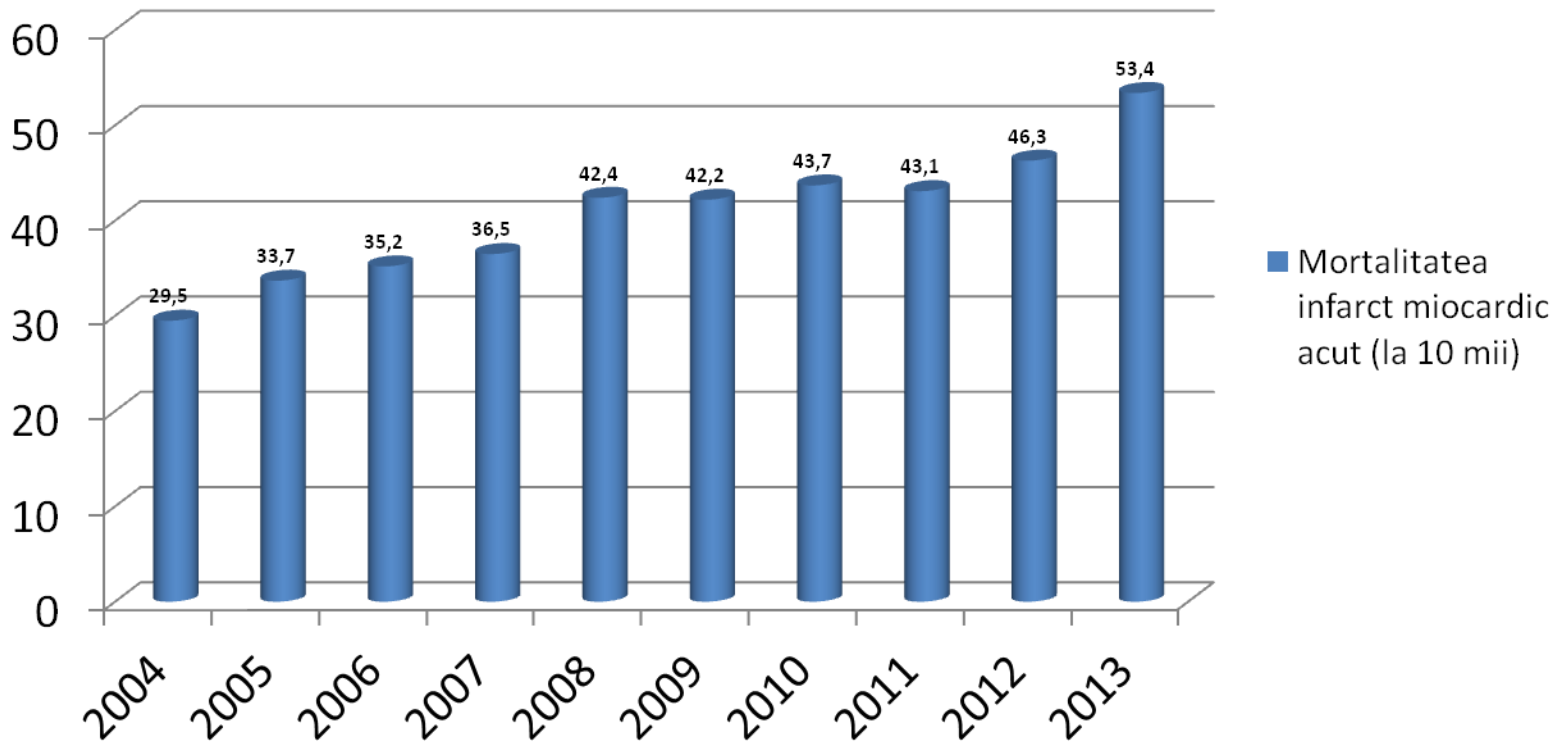


Cardiovascular Diseases



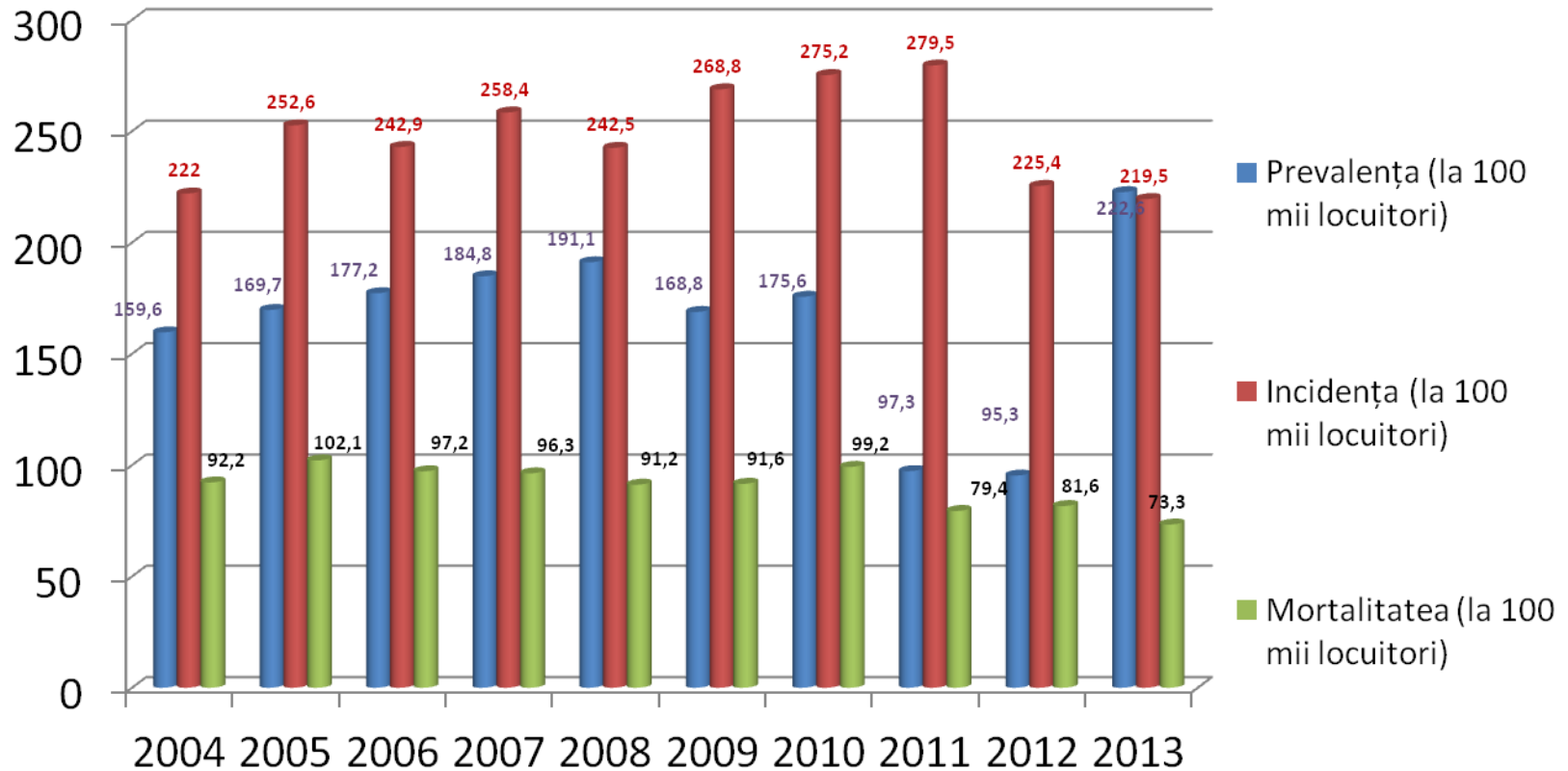


Mortality of acute myocardial infarction



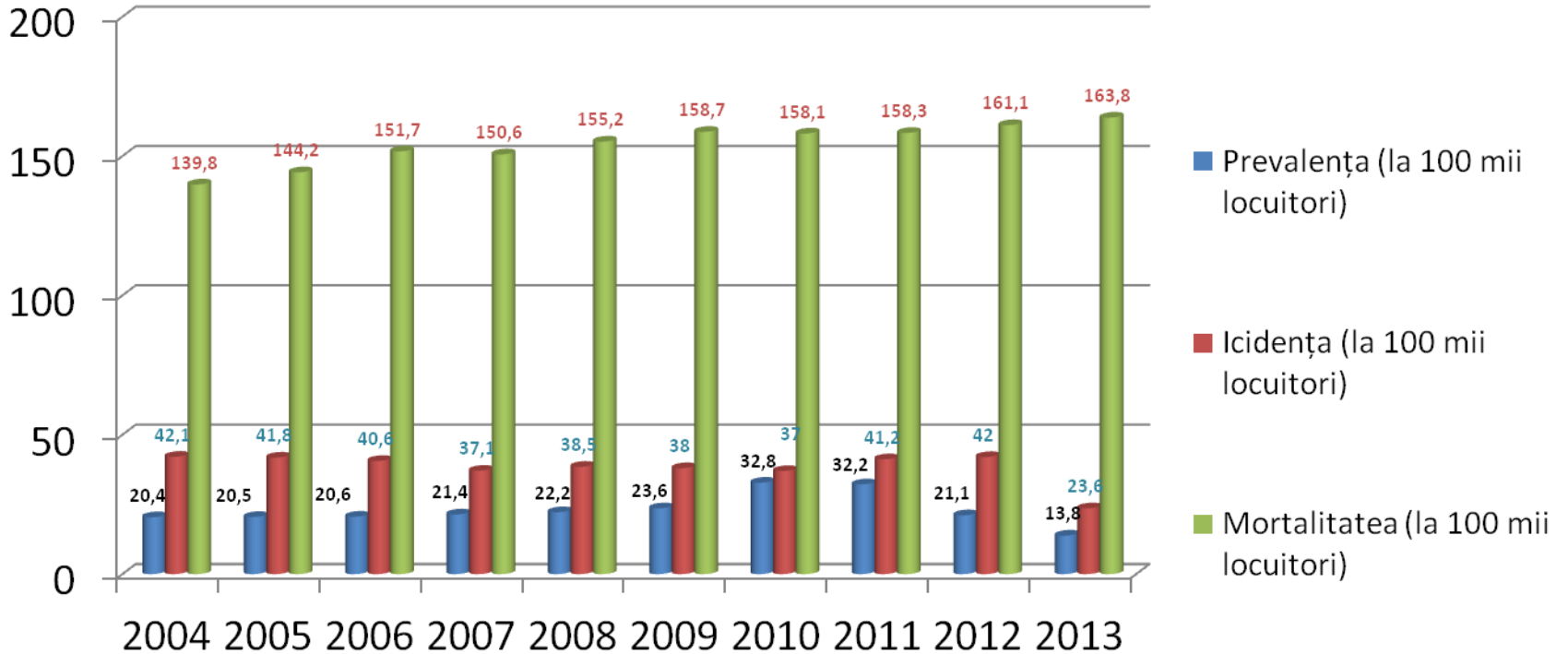


Liver cirrhosis and viral hepatitis



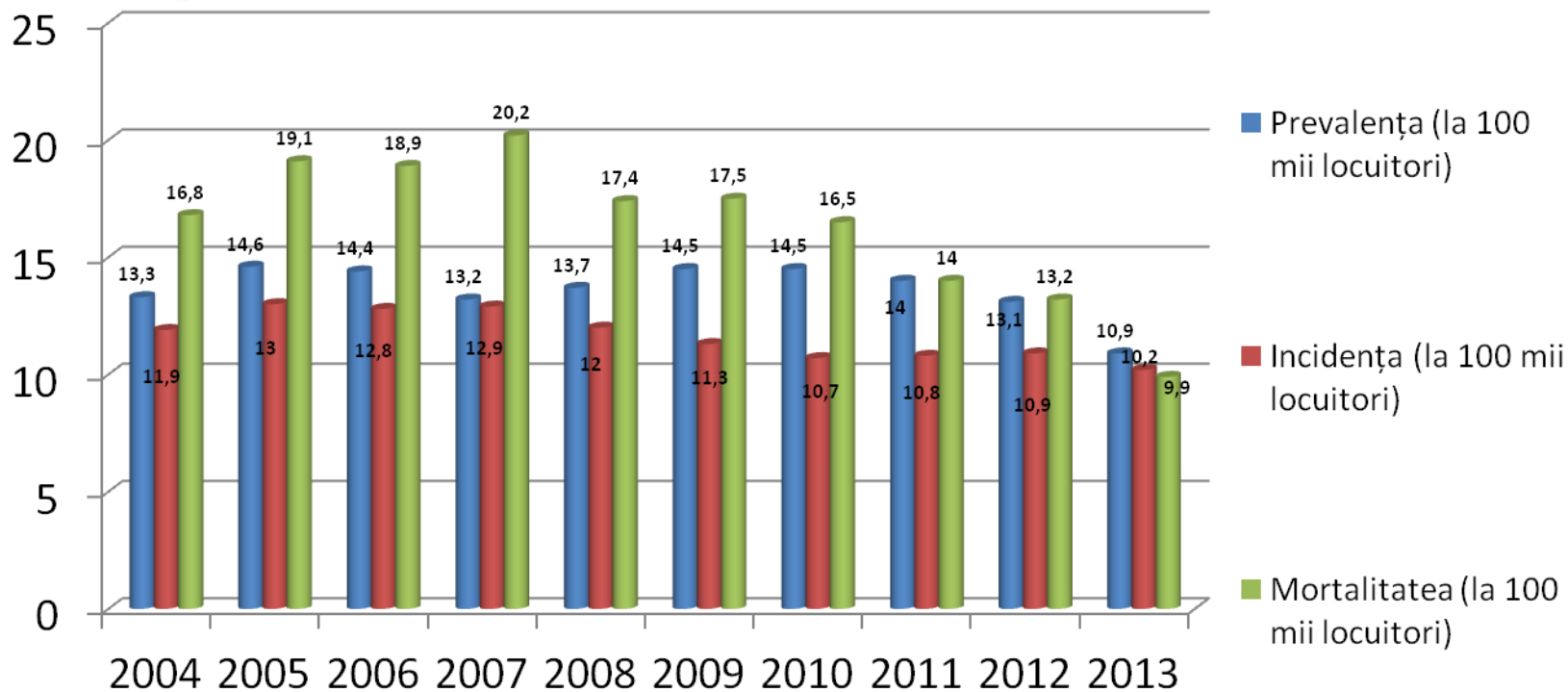


Malignant tumors



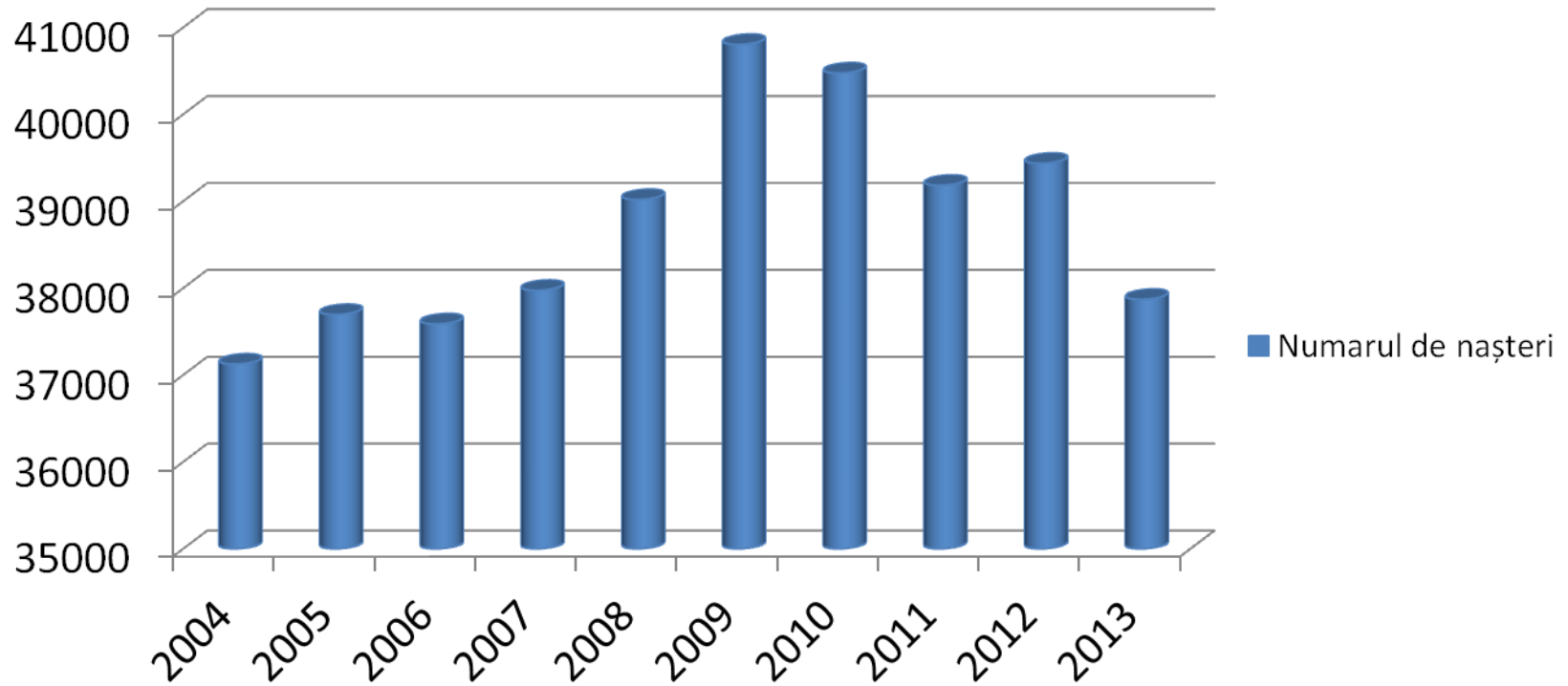


Tuberculosis

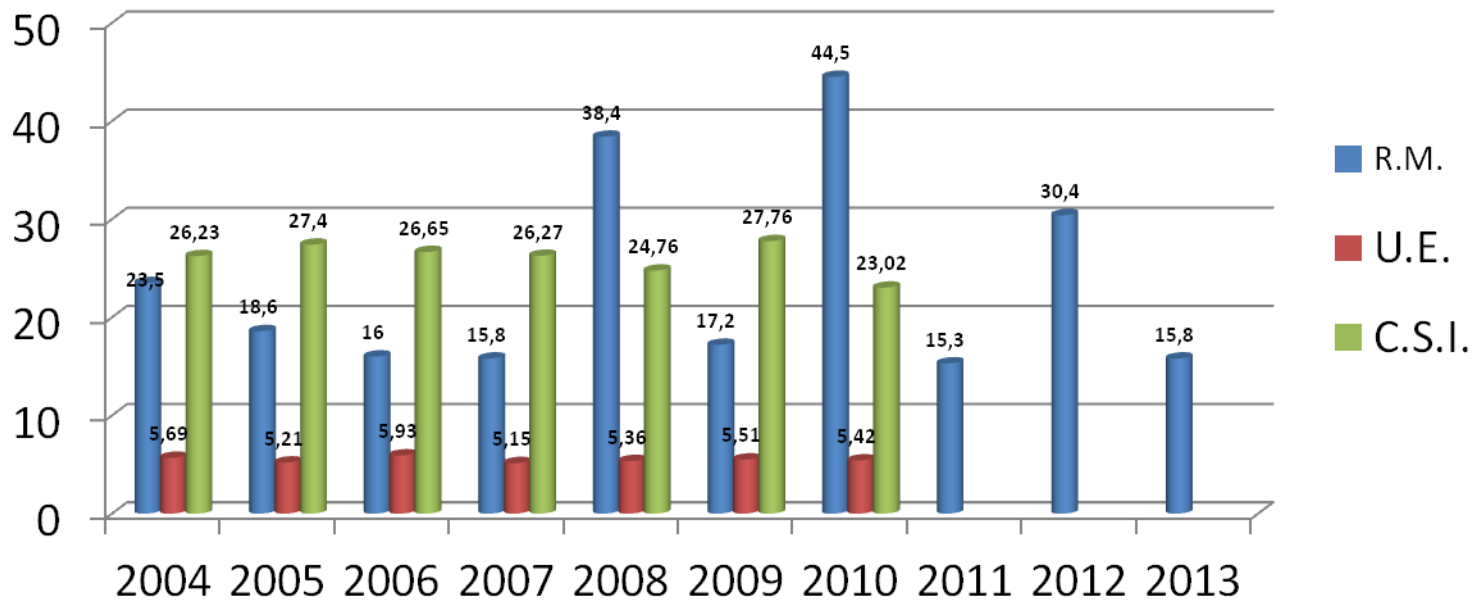




Number of birth

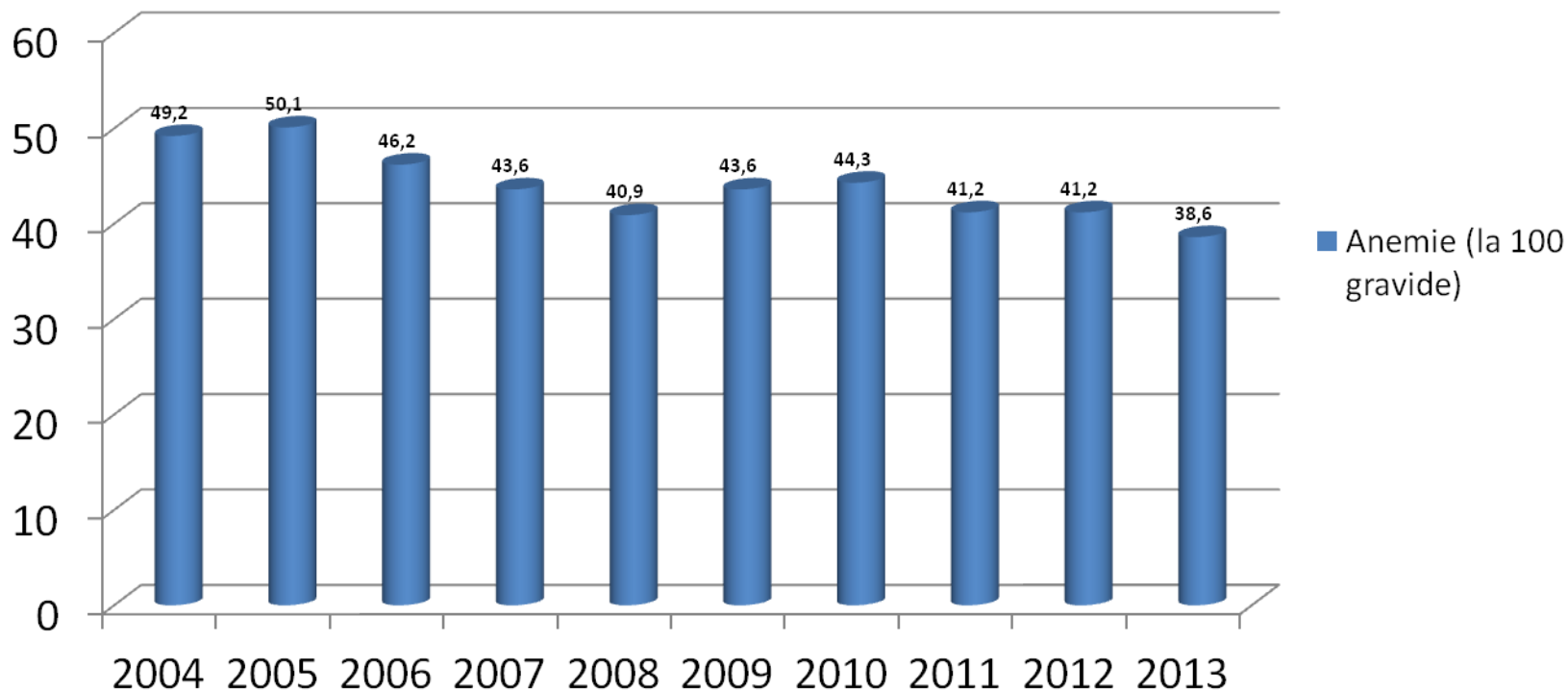


Maternal deaths per 100000



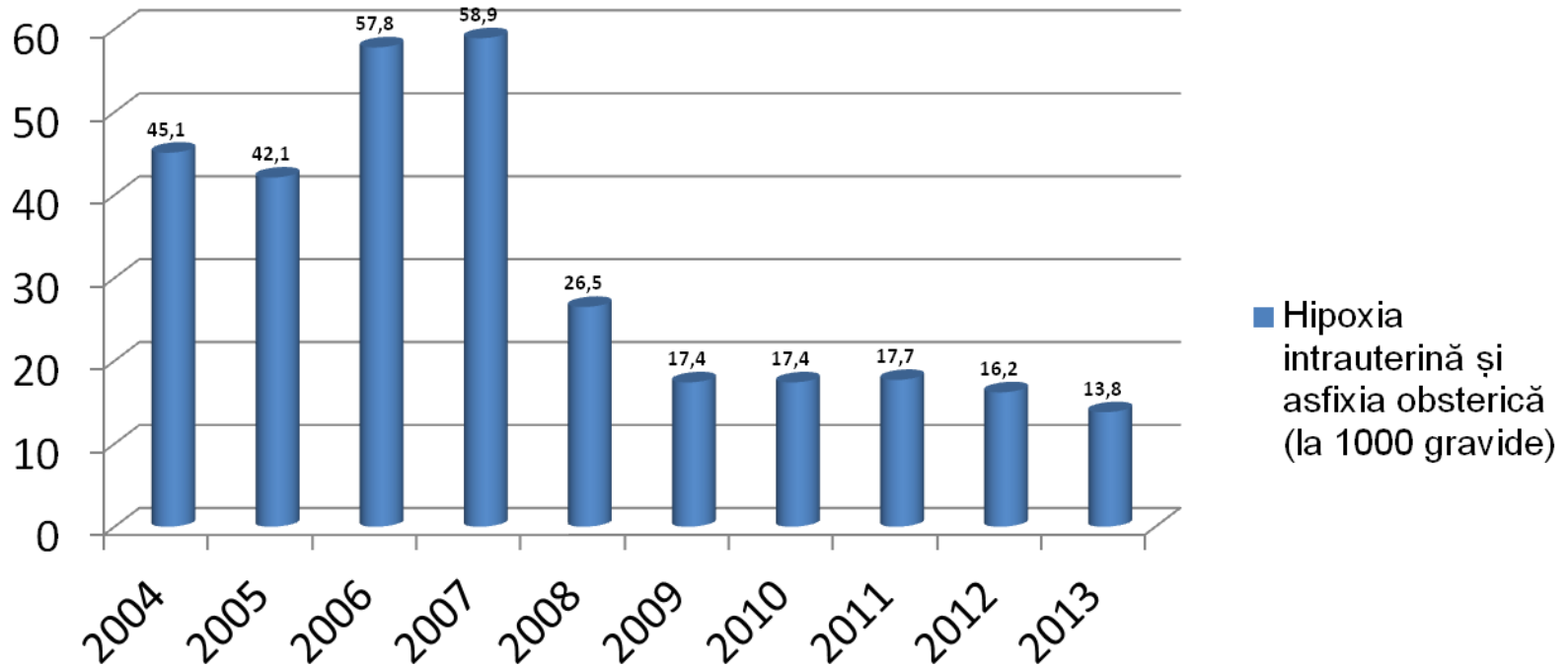


Main pathologies of pregnant women



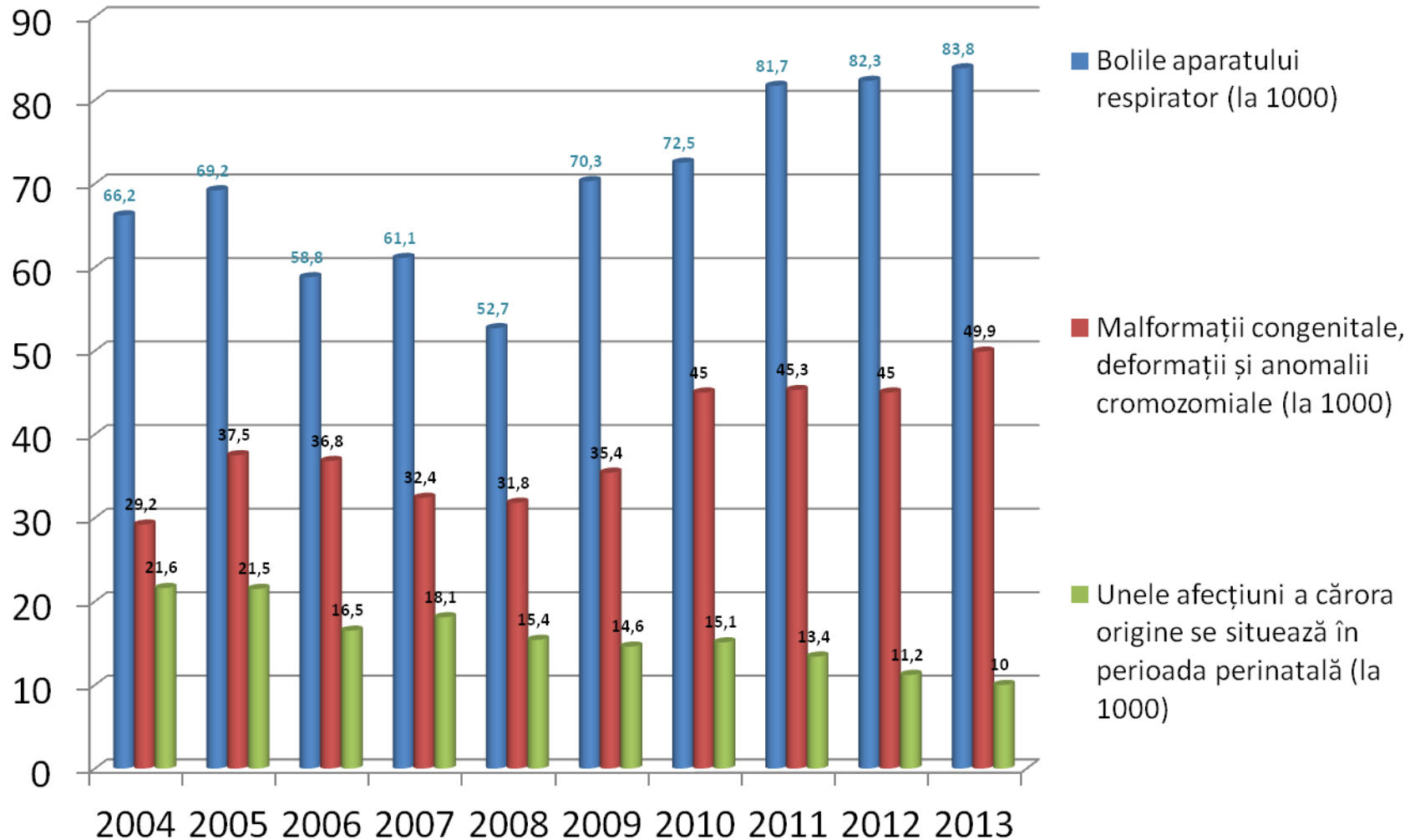


Main pathologies of pregnant women



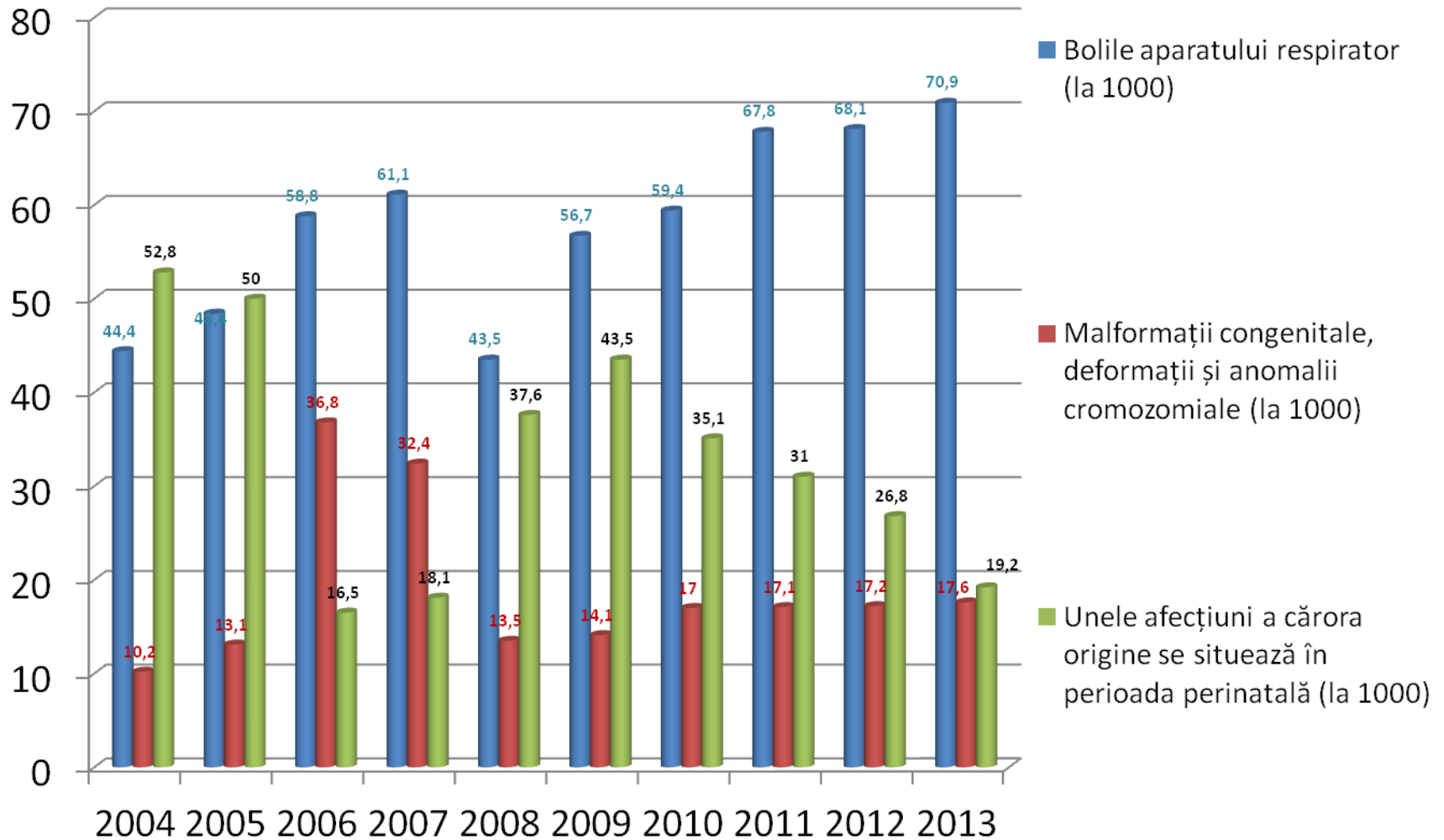


The incidence of newborn pathologies during 0-1 years of life





The incidence of newborn pathologies during 0-4 years of life



Health researches in the Republic of Moldova

- In order to meet mentioned challenges health researches in the Republic of Moldova are coordinated by the Academy of Sciences of Moldova (Medical section) and Ministry of Healthcare.*
- In the framework of the Academy of Sciences there is one strategic direction of the science and innovations development “Biomedicine and Human Health” that involves scientific researches under the State Research Programs and Institutional Programs.*
- In the framework of the Ministry of Healthcare there are 11 National Programs with scientific components (for details see <http://www.ms.gov.md>)*

Fields of the health scientific research

- *Oncology,*
- *Cardiology,*
- *Mother and Child Health Care,*
- *TB,*
- *Preventive Medicine,*
- *Reproduction and Medical Genetics,*
- *Health Management,*
- *Neurology and Neurosurgery,*
- *Medical Emergency*
- *(for details see <http://www.asm.md>).*

Health related issues for Moldova

- Cardiovascular pathology
- Vascular cerebral pathology
- New approaches in cancer prevention and treatment
- Improvement of TB prevention, diagnosis and treatment
- Infection diseases research

Health related issues for Moldova

- “Geographical” (local) pathology: chronic hepatitis and liver cirrhosis
- Metabolic syndrome experimental and clinical researches
- Functional neurological pathology and neurodegenerative diseases
- Mother and Child pathology prevention, diagnosis and treatment
- Interrelations between birthrate, longevity and health relation issues

Some national scientific research projects carried out by medical scientists in the Republic of Moldova

- Stem cells in the regenerative process of the skeleton tissues
- Elaboration and implementation of the new pharmaceutical substances on the basis of local raw materials
- The study of genetic factors in ischemic cardio-myopathy for risk factors estimation in patients
- Risk factors estimation in the evolution of hepatic diseases and elaboration of optimal diagnostic, treatment and preventive methods

International collaboration

- *Medical research institutions has been collaborating with over 70 Universities, research institutions, hospitals, nongovernmental organizations from 35 countries.*



International collaboration

- In the meantime, the development and internationalization of the scientific researches in our medical research institutions have led to the inclusion of our researchers into the European and international network of the medical research laboratories and institutions.*



Previous experience of Moldavian medical researchers , relevant for the H2020

- In the previous period our researchers received 3 grants financed by EU FP7 Program in fields of cardiology, oncology and international researches management.
- Our institutions and researchers have an extensive experience with organization of international workshops and conferences and has available contact database that may be used for H2020 projects implementation purposes.

“Promotion and facilitation of international cooperation with Eastern European and Central Asian Countries” **(EECALink)**

- The EECALink is a coordination action aimed at identification of common research priorities of the European Union and Eastern European and Central Asian countries (EECA) and strengthening collaboration among them.
- The EECALink was financed by the Seventh Framework Programme (contract n°223359) under the Health priority theme.
- In total, the project unites 17 partners from 12 countries – Armenia, Belarus, Czech Republic, Georgia, Hungary, Italy, Kazakhstan, Moldova, Poland, Russia, Ukraine and Uzbekistan.

EECA PROJECT PRIORITIES:

- To encourage and promote the international collaboration in health sector through systematic support to creation of new research consortia for FP7 calls
- To stimulate the further development of research consortia and support these in preparation of their FP7 project proposals
- To assure identification of joint research interest of EECA and EU and to assure their effective communication to the relevant policy makers
- To strengthen and broaden the existing research collaborations among participating universities and academic partners
- To build up and strengthen the university and academic capacities for effective participation in FP7 projects
- To promote FP7 among programme targeted wider research audience – SME's, universities and other research institutes beyond the project consortium

Previous experience of Moldavian medical researchers , relevant for the H2020

- Scientific departments and international relations departments of medical research institutions carried out promotion actions for some scientific collaborative programs: FP7, SCOPES, MRDA, CRDF etc.
- There is a successful collaboration between institutions and informational departments of Academy of Sciences of Moldova in scientific information area. This collaboration allows to share and disseminate information among scientists from our institutions and from health research laboratories and institution within H2020 framework.



**Thank you for
your attention!**