



ÚVN

CENTRAL MILITARY HOSPITAL
PRAGUE

ANNUAL REPORT

2007

1. FOREWORD BY DIRECTOR	4
2. CHARACTERISTICS OF THE ORGANISATION	6
3. ORGANISATIONAL STRUCTURE OF THE ORGANISATION	5
4. REPORT ON THE ACTIVITIES OF THE ORGANISATION	10
A) CURATIVE AND PREVENTIVE CARE	10
B) SPECIALIZED MEDICAL DEPARTMENTS	12
C) NURSING CARE	32
D) HEALTH CARE QUALITY CONTROL	34
E) CHAPLAINS	36
F) PHARMACY	37
G) ECONOMY	38
H) PERSONNEL MATTERS	42
I) LOGISTICS	44
J) RESEARCH PROJECTS IN UVN PRAGUE	48

1. Foreword by ÚVN Prague Director

Dear Madam, Dear Sir,

You have received Annual Report of Central Military Hospital (Czech abbreviation: ÚVN - Ústřední vojenská nemocnice), Prague, for the year 2007. We would like to use the following several pages to inform you about the state of economy of the hospital. At the same time, we shall introduce some innovations that have been assisting in increasing the quality of care and satisfaction for our patients.



The Central Military Hospital (ÚVN), Prague, is kept at the back of public's mind as an exceptional workplace offering top-quality medical care. The hospital proved this fact by having defended JCI accreditation and by being awarded this title in the year 2004 as the first hospital in Central and Eastern Europe. However, this certificate of quality is not awarded for ever. Regularly, in three-year intervals, the accredited hospital is required to prove that it keeps observing the quality and safety of the provided care and continues in its promoting. I feel it great honour to be one of the people who, together with the whole collective of the ÚVN Prague, gained recognition for the repeated achieving of this international appreciation.

Availing of this opportunity I would like to thank our promoter – Ministry of Defence, because without its assistance, our hospital would not be able to operate on such level as it has reached till now.

ÚVN, Prague is a leading working place in the field of robotic urological operations in the Czech Republic. Success of the urological workplace of ÚVN Prague in this field was confirmed by announcing the most productive robotic operator. Chief Surgeon of ÚVN Prague Urological Department Colonel O. Köhler, MD, Ph.D. was declared the surgeon having executed the highest number of robotic operations. We continue in providing highly specialized surgeries, namely in the field of gastroenterology, eye surgery, and ENT. Neurosurgical Clinic, headed by Colonel Prof. Vladimír Beneš, MD, ScD. is a leading workplace at nervous system surgery.

The hospital keeps cooperating with all the Prague medical faculties, with the Faculty of Military Medical Care of Defence University and with the Faculty of Physical Education and Sport of Charles' University. The Central Military Hospital, Prague, is not only a prestigious medical facility but it is also schooling and training base for military medical personnel.

In the year 2007, specialists of ÚVN Prague worked in the field hospital team in international mission in Afghanistan. Chief of Surgery Clinic Colonel Prof. Miroslav Ryska, MD, Ph.D. executed the duties of Chief Surgeon and the Chief Surgeon of ARO Colonel Božetěch Jurenka, MD, served as Chief Anaesthesiologist there.

The results of our activities in the year 2007 prove that we keep being economically stable and medicine developing health institution having high prestige and long-time tradition as one of the best hospitals in the Czech Republic.

A handwritten signature in black ink, appearing to read 'Štefan Brunclík', written over a light-colored background.

Colonel Štefan Brunclík, MD, MBA
Director, ÚVN Prague



2. Characteristics of the organisation

Basic identification data

Name of the organisation:	Central Military Hospital, Prague
Location of the organisation:	U Vojenské nemocnice 1200, 169 02 Prague 6
Company Registration Number (CRN):	61383082
Promoter:	Ministry of Defence

A survey of essential activities

Provision of curative and preventive health care, including specialized and highly specialized diagnostic and curative care for the members of Czech Armed Forces and other persons on the level provided in Teaching Hospitals in the Czech Republic; provision of highly specialized care for the wounded in Trauma Centrum in the tributary area established by the Ministry of Health of the Czech Republic; participation in training and education of the students of Defence University Faculty of Military Medical Care, for whom it serves as a teaching base, and for the students of civilian medical faculties and other universities providing education for medical personnel; execution of research, development and other creative activities for the development and use of the results in the spheres of activity of military medical service; performance of projection, expert, advisory and specialised testing activity including verification, control and field tests in units

ÚVN Prague Advisory Bodies and Boards

Advisory Board of ÚVN Prague Director	Academic Council
ÚVN Prague Drug Commission (DC)	Medical Review Commission
Editorial Board of DC for positive letters	Ethic Commission
Effective Haemotherapy Commission	Nursing Care Research and Development Team
Nutrition Team	Non-Physician Professions Training and Education Team
Health Care Quality Team	Investigating Commission of Military Persons Death in the Section
Podiatric Team	Work Safety and Protection Commission (WSPC) – examination and assessment of accidents and occupation diseases
Nursing Care Quality Group	Discarding Commission
Decubitus Presence Monitoring Group	Claims Handling Commission
Health Care Quality Auditors Team	
Education Specialists Team	

Management of Central Military Hospital, Prague



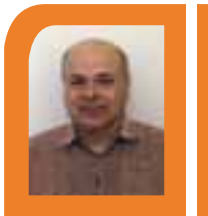
Col. Štefan Brunclík, MD, MBA
Director



Col. Petr Chmátal, MD, Ph.D.
Deputy Director



Jaroslava Němcová, M.Sc.
Deputy Director for Economy



Rostislav Mika, M.Sc. (temporary in charge)
Deputy Director for Logistics



Col. Stanislav Suchánek, Pharm.M.
Deputy Director for Pharmacy

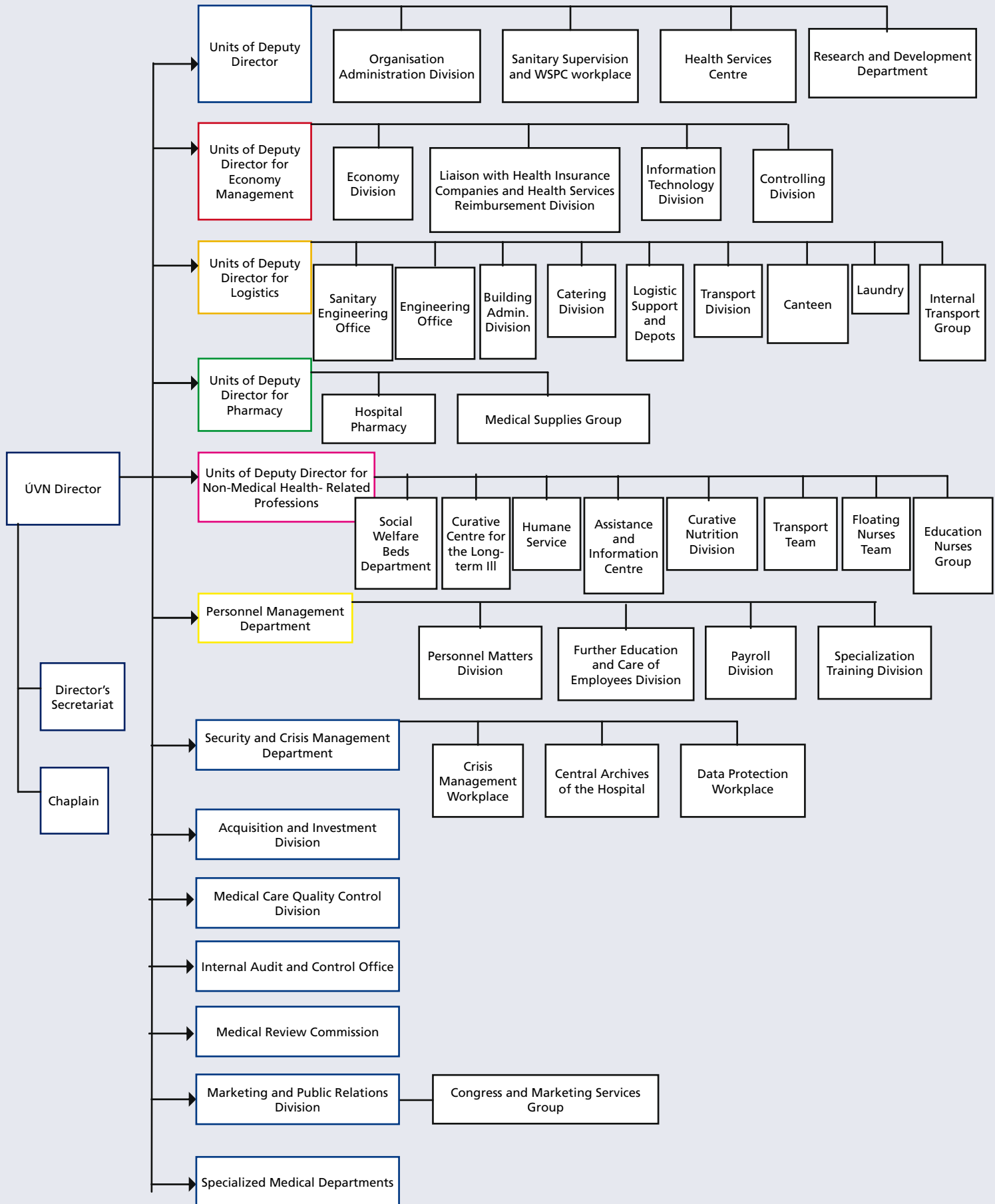


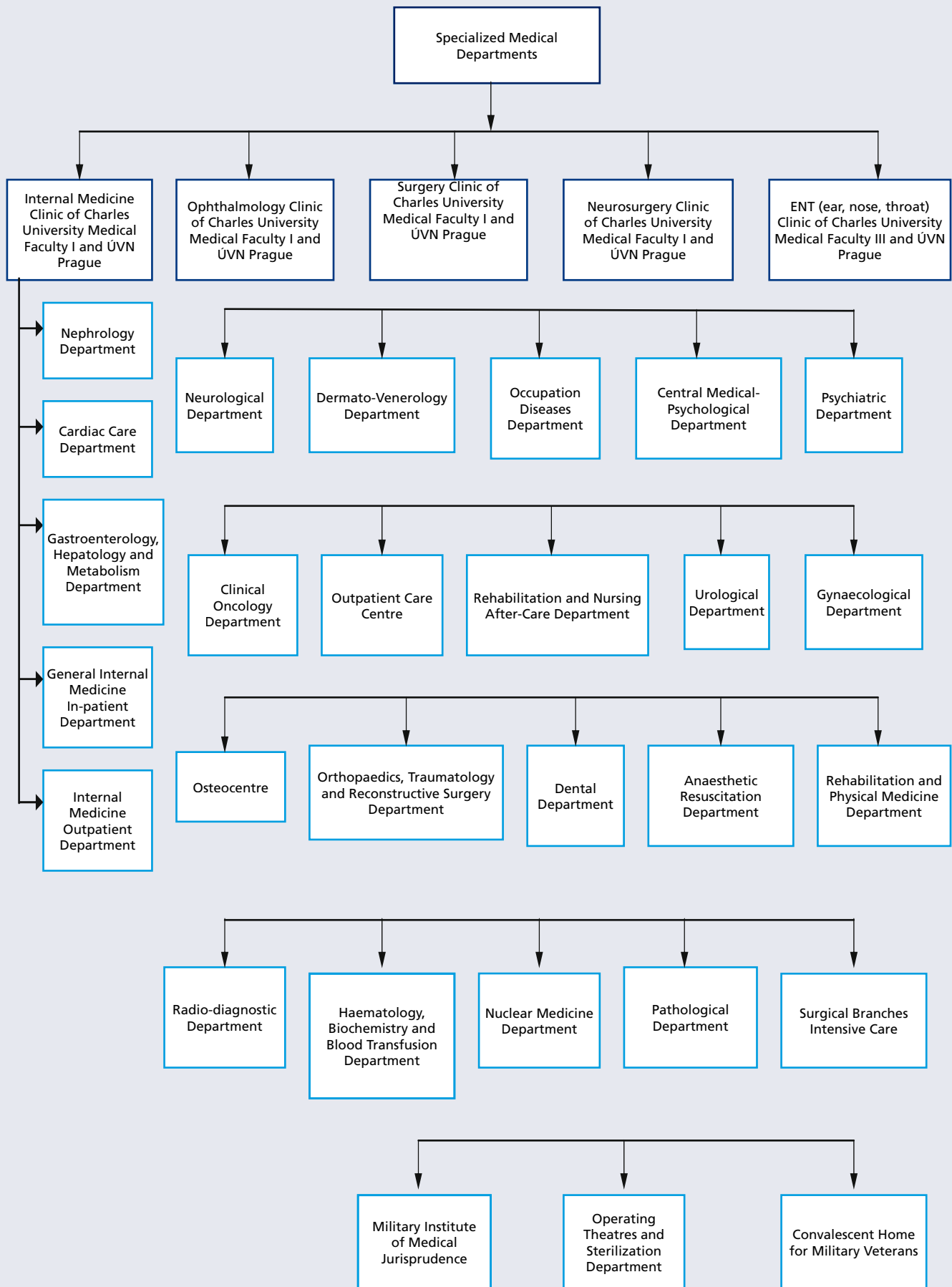
Lenka Gutová, BA, MBA
Deputy Director for Non-Medical Health-Related Professions



Lt. Col. Zdeněk Brabec, M.Sc.
Chief of Personnel Management Dept.

3. Organisational structure of the organisation





A) Curative and preventive care

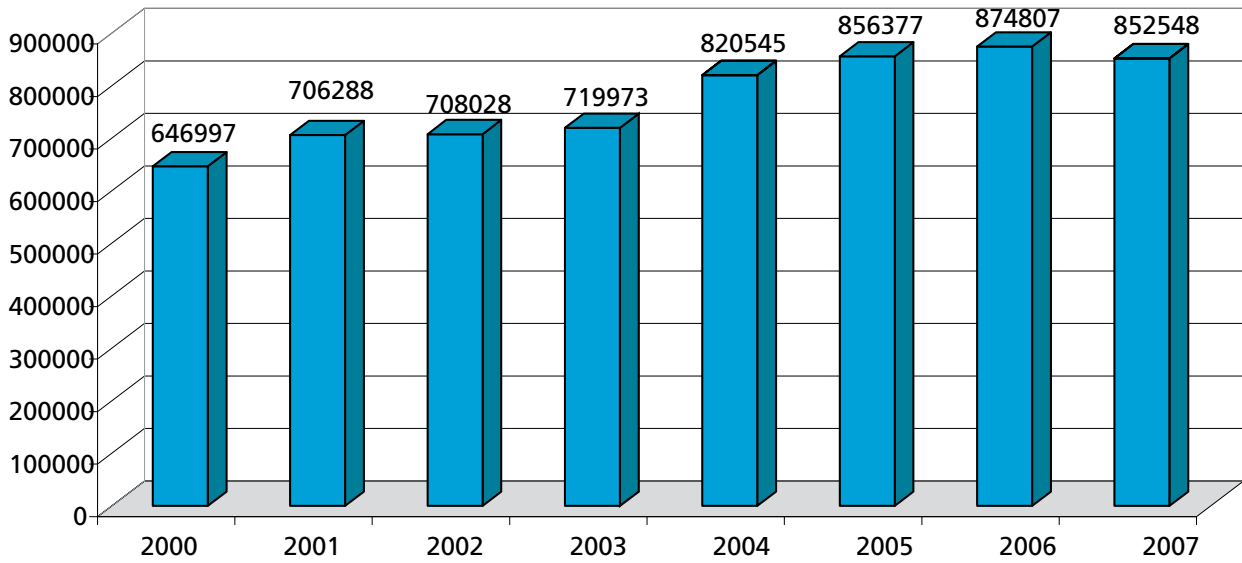
Central Military Hospital (ÚVN) is a facility of the Czech Armed Forces providing complete spectrum of health care with the exception of obstetrics, paediatrics and heart surgery. Isolation ward is temporarily out of operation. The hospital directs its attention to urgent states of surgical and internal medicine profiles and to the care of polytraumas (multiple injuries) including injuries of central nervous system.

The hospital has 5 clinics and 25 specialized departments,

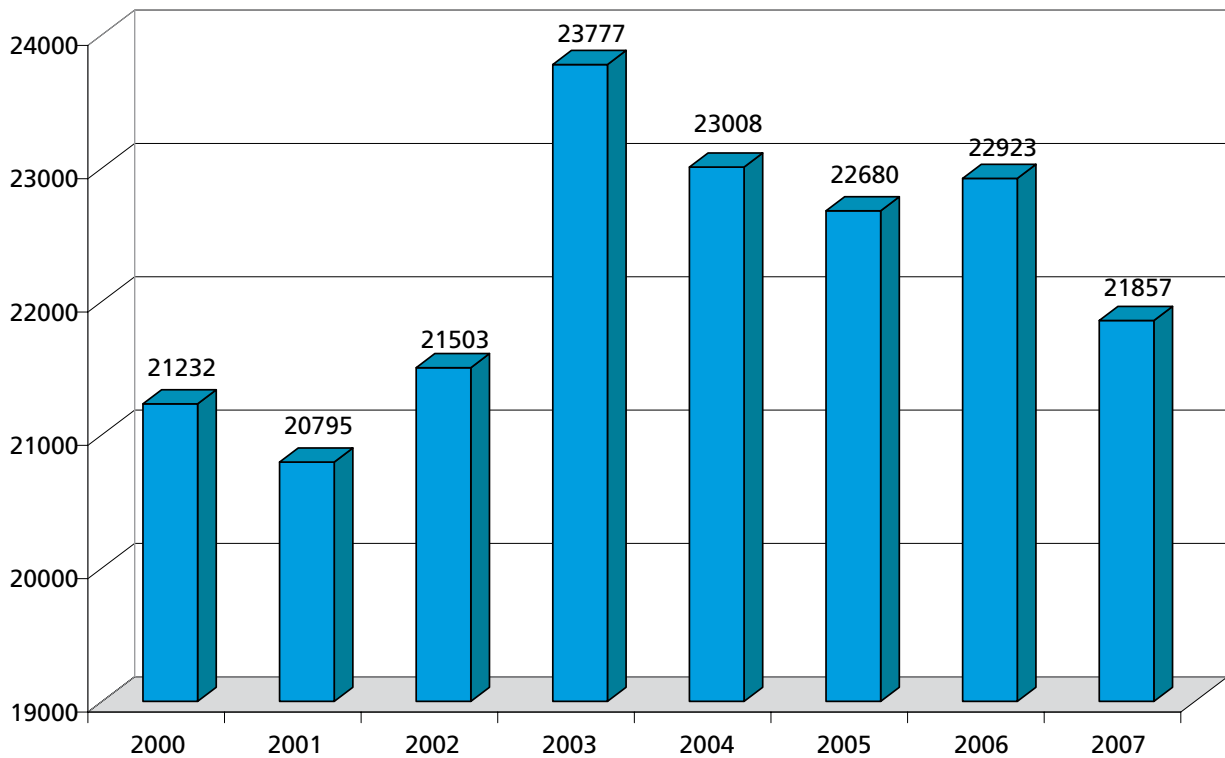
A survey of inpatient departments and number of beds:

Department	Beds in total	Out of the total number of beds			
		ICU	Standard	After-care	Out of operation
<i>Internal Clinic:</i>	121	12	109		
<i>Out of it: Gastroenterology</i>	(43)	(5)	(38)		
<i>Cardiology</i>	(31)	(7)	(24)		
<i>Nephrology</i>	(15)		(15)		
<i>General Internal Medicine</i>	(32)		(32)		
<i>Neurosurgery Clinic</i>	52	10	42		
<i>Ophthalmology Clinic</i>	25		25		
<i>Surgery Clinic</i>	80	14	66		
<i>ENT Clinic</i>	49	5	44		
<i>Anaesthesiology-Resuscitation Department</i>	6	6			
<i>Intensive Care Department of Surgical Specializations</i>	18	18			
<i>Orthopaedics, Traumatology and Reconstructive Surgery</i>	81	5	76		
<i>Urological Department</i>	28		28		
<i>Gynaecological Department</i>	26		26		
<i>Neurology Department</i>	46	6	40		
<i>Dermatology-Venerology Department</i>	25		25		
<i>Nursing After-care Department</i>	42			42	
<i>Psychiatric Department</i>	40		40		
CELKEM	684	76	521	42	45

Number of out-patients in the years 2000-2007



Number of in-patients in the years 2000-2007



B) Specialized Medical Departments

Internal Medicine Clinic of Charles University Medical Faculty I and ÚVN Prague

Chief: Lt. Col. Prof. Miroslav Zavoral, MD, Ph.D.

The Internal Medicine Clinic of Charles University Medical Faculty I and ÚVN Prague consists of the following departments:

Cardiac Care Department:

Senior Surgeon: Ivan Jeřábek, MD

Nephrology Department:

Senior Surgeon: Karel Petrů, MD

Gastroenterology, Hepatology and Metabolism Department

Senior Surgeon: Prof. Z. Mareček, MD, Sc.D..

General Internal Medicine In-patient Department

Senior Surgeon: Ilja Kotík, MD

Internal Medicine Outpatient Department:

Senior Surgeon: Petr Krejčí, MD

<i>Number of beds</i>	121
<i>Number of inpatients in 2007</i>	5 291
<i>Number of outpatients in 2007</i>	64 843

<i>Number of specialized examinations</i>	17 528
* <i>Transthoracal echocardiography</i>	4 858
* <i>Transesophageal echocardiography</i>	106
* <i>Stress echocardiography</i>	15
* <i>ECG holter monitoring</i>	958
* <i>Duplex sono of blood-vessel</i>	1 903
* <i>Doppler examination of peripheral blood vessels</i>	1 877
* <i>Ergometric examination</i>	1 173
* <i>Spirometric examination</i>	2 111
* <i>Bodytest</i>	296
* <i>Bronchodilatation test</i>	262
* <i>Bronchoconstriction test</i>	20
* <i>Pulmonary runner</i>	37
* <i>Tonoport – 24hrs. T</i>	1 169
* <i>Schellong test</i>	37

* Thyroid gland US (ultra-sound)	1 909
* Paracentesis thyroid gland	130
* Abdomen US	497
* Infusion Solumedrol mega-pulse therapy	6
* Case conferences by endocrinologist	164

In October 2007, the Cardiac Care Department opened new catheterization ward equipped with up-to-date apparatus outfit, namely the new GE-Innova cardioangiograph with an integrated apparatus for intra-vascular ultra-sound. The new angio-line provides incomparably better record and processing of picture. For the patient, it means wider possibility of treatment and more precise diagnostics.



Moreover, ICU unit was upgraded and furnished with Taema fans. We have gained the first experience concerning continual haemo-elimination method at ICU.

The Internal Medicine Clinic of Charles University Medical Faculty I and ÚVN Prague organized post-graduate courses within the education activities held by Education Medical Institute Gastroenterology sub-chair; license fellowships at endoscopic unit and pre-attestation schooling at accredited working place. In addition to that, our physicians took part at delivering the lectures for the Chair of Internal Medicine, Chair of Urgent Medicine and Medicine of Catastrophes, Char of Assessment Medicine, Sub-chair of Review Medicine and Chair of Internal Medicine of the Education Medical Institute. At the same time, they continued in nephrology and internal medicine lessons for the students of Charles University Medical Faculty .

Surgery Clinic of Charles University Medical Faculty II and ÚVN Prague

Chief: Lt. Col. Prof. Miroslav Ryska, PhD

<i>Number of beds</i>	80
<i>Number of inpatients in 2006</i>	2 660
<i>Number of outpatients in 2006</i>	19 729
<i>Number of operations in 2006</i>	1 981

In the year 2007, the Surgery Clinic of Charles University Medical Faculty II and ÚVN Prague participated in the following scientific-research activities and grants:

- * Transplantation of hepatocytes in an experiment made on a big laboratory animal; transplantation of hepatocytes at an acute hepatic failure on a small laboratory animal; exercising of influence on ischemic/reperfusion damage of liver at the transplantation of hemoxygenasis -1 induction; influence of beta-1 adrenergic agonists in an experiment on a small laboratory animal.
- * IGA –NR 9422-3 – Influence of environmental factors and genetic determinant of pancreas carcinomas (genetic profile).
- * MO ČR-S9140 – Biological and non-biological elimination methods at the treatment of acute hepatic failure in an experiment;
- * MO ČR-S9180 – Evaluation of benefit of use of the robotic da Vinci system;
- * AČR – Is the radiofrequency ablation able to induce antitumour immunity?
- * AČR-304-07-1129 – Polarised cultures of hepatocytes and mezenchymal stem cells on nano-fibre layers in an experimental bioreactor.

Clinical study – Possibilities of current prophylaxis of tromboembolic diseases in the conditions of one-day surgery.

In the year 2007, we continued in pre-gradual training of the students of Charles University Medical Faculty II and the students of Faculty of Physical Education and Sport; post-gradual training of surgeons and gastroenterologists within the Education Medical Institute We participated in the practical part of training of higher technical schools and universities of non-medical profession. Moreover, we organized a summer obligatory practice for the students of medicine in the field of nursing. We actively participated in organizing the course of stomia treatment. Four nurses of Surgery Clinic continued in Bachelor's study.



Neurosurgical Clinic of Charles University Medical Faculty I and ÚVN Prague.

Chief: Col. Prof. Vladimír Beneš, MD, Sc.D.

<i>Number of bed</i>	52
<i>Number of inpatients in 2007</i>	2 351
<i>Number of surgeries in 2007</i>	2 341
<i>Number of outpatient examinations and consultations in 2007</i>	6 393

Spectrum of activities of the Neurosurgical Clinic of Charles University Medical Faculty I and ÚVN Prague includes treatment and preventive care, pedagogical activities (pre-gradual and post-gradual training) and scientific-research activity (publishing, solution of grants and research intentions). In the course of the year 2007, the Clinic published 75 articles in specialized foreign and home publications.

In March 2007, the Clinic organized periodical congress titled "Kunc' Memorial". Its main topic was neuro-oncology.

In 2007, the Clinic participated in the following grants:

- * Per-operation technique of application of depot steroid at decompressive surgical treatment of degenerative lumbar vertebra disease;
- * Pathophysiology of neuro-psychiatric diseases and its application;
- * Neurosteroids – risk factors in case of selected brain diseases?
- * Correlation of MR angiography, Doppler ultrasonography and digital sub-traction angiography with histological findings of carotid stenosis;
- * Comparison of benefit of lumbar infusion test and lumbar drainage in an indication balance in case of the patients suffering from hydrocephalus;
- * MR volumetry of back pit and prepontinuous tank in case of the patients suffering from neurovascular conflict.

In 2007, the Clinic organized Master's study of the 5th year students in the specialization of medicine (neurosurgery) and fellowships in the branch of neurosurgery intended for the physicians before attestation.



Ophthalmology Clinic of Charles University Medical Faculty I and ÚVN Prague

Chief: Col. Ass. Prof. Jiří Pašta, MD, Ph.D.

<i>Number of beds</i>	25
<i>Number of inpatients in 2007</i>	1 702
<i>Number of surgeries in 2007</i>	3 638
<i>Number of outpatient examinations in 2007</i>	33 638

The Ophthalmology Clinic of Charles University Medical Faculty I and ÚVN Prague is engaged in providing complete and comprehensive outpatient and inpatient ophthalmologic care; counselling and super-counselling activities and teaching. Currently, it performs all the outer and intra-ocular operations on very high level and with a special focus on the operation of CAT (cataract), glaucoma, vitreoretinal and transplantation surgeries (they have their own ophthalmic tissue bank) and on entire range of laser treatment.

The Clinic involves Refraction and Laser Centre dealing with correction of refraction defects. For this reason, the Centre disposes of highly educated specialists in the field of ophthalmic medicine as well as up-to-date diagnostic and correction devices. Main attention is aimed at laser correction of the refraction defects by means of VISX Star S4 excimer laser. Our team of specialists has an objective to enable each patient the treatment and care on the current modern level. In order to increase the accuracy of laser surgery, they use WaveScan apparatus which makes use of wavefront analysis for detailed individual evaluation of optical structures of eye. In the year 2007, the centre executed 687 laser surgeries, 154 intra-ocular surgeries, 16 Cross Linking and 16 Kerating surgeries.

In May 2007, the Centre began executing a new kind of operation in the field of ophthalmic surgery. It concerns the intra-stromal keratic rings that are a modification for astigmatism of intra-stromal Kerating (Mediphacos) rings. They are intended for the patients suffering from high level astigmatism. The Ophthalmology Clinic is an important scientific and schooling ophthalmologic centre in the Czech Republic



Participation in important activities:

WOL-CF INTERNET LIVE SURGERY – live transmission of eye surgeries with the implementation of WIOL-CF eye lens on web of ÚVN Prague. The video-signal was transmitted by several different formats (WMV, MPEG-2, DVTS), which enabled its users to choose the quality of transmission according to the possibilities of their connection to Internet.

Seminar dealing with the questions concerning refraction and laser technology held in Warsaw, Poland. Main topic of the seminar dealt with the questions concerning laser refraction surgery (rectification of dioptric defect of patient).

Congress of European Ophthalmologic Society – main objective of the meeting was presentation of the latest knowledge and experience in the field of retinal diseases, glaucoma and refraction.

ENT (eye-nose-throat) Clinic

Chief: Col. Michal Navara, MD, Ph.D.

<i>Number of beds</i>	49
<i>Number of inpatients in 2007</i>	1 803
<i>Number of surgeries in 2007</i>	1 073
<i>Number of outpatients in 2007</i>	21 112

In June 2007, surgeons of the Clinic began making diagnoses and surgeries by using highly specialized devices that serve to improve the care of patients with ENT diagnosis.

It is a unique video-kymograph and ÚVN Prague is the only workplace in the Czech Republic which disposes of it. The apparatus is used to screen vocal chords by high-speed camera which makes 4,000 pictures per second and maps the motion of the vocal chords in detail. According to the changes of their vibration you can make an early diagnosis of an oncogenic laryngopathy.



CT navigation is another important ENT technology which can be used by the patients of ÚVN Prague. The CT navigation enables the surgeon exact location of individual structure as well as the position of his instrument in 3D picture and in three CT levels during the operation. It significantly increases the safety of surgery comparing with the surgery which is not navigated in this way. The CT navigation enables detailed and risk-free approach to so important organs as e.g. eye nerves and inner carotid. They are much more endangered during a routine surgery. It can be also used namely at the surgeries of Para-nasal sinuses and at ear surgery. Moreover, it significantly improves the treatment of facial skeleton injuries.



Anaesthetic-Resuscitation Department

Chief Surgeon: Colonel Božetěch Jurenka, MD

<i>Number of RES beds</i>	6
<i>Number of beds – in-sleeping ward</i>	10
<i>Number of inpatients at RES in 2007</i>	130
<i>Number of anaesthetic surgeries in 2007</i>	10 304
<i>Number of patients at in-sleeping ward in 2007</i>	4 330
<i>Number of patients in anaesthetic centre in 2007</i>	818

The workplace organized lectures in neuro-anaesthetics within post-gradual preparation of surgeons for attestation in cooperation with Defence University Medical Faculty, Hradec Králové. Moreover, it organized training of military AR anaesthesiologists and health-service personnel – serving in field hospitals

In December 2007, the Department organized an important congress titled “Anaesthesia and Intensive Care under Emergency Conditions”. The congress was aimed at the activity of medical teams during mass disaster. Program included also the topics concerning the injuries caused by armed attacks, their treatment and related urgent care in field conditions as well as the treatment of burns and their consequences.

Surgical Branches Intensive Care Department

Chief Surgeon: Colonel Jiří Fousek, MD, Ph.D.

<i>Number of beds</i>	18
<i>Number of inpatients in 2007</i>	494
<i>Number of polytraumas</i>	90

Comparing with the year 2006, the number of accepted polytraumas increased by 30%. Emergency and accident ambulance examined about 26 thousands patients. Each eighth patient of them was admitted to hospitalization

Orthopaedic, Traumatological a Reconstructive Surgery Department

Chief Surgeon: Colonel Jiří Fousek, MD, Ph.D.

<i>Number of beds</i>	81
<i>Number of inpatients in 2007</i>	3 136
<i>Number of surgeries in 2007</i>	4 491
<i>Number of outpatient's examinations in 2007</i>	40 324

Number of individual surgeries:

<i>Endoprosthetics</i>	450
<i>Arthroscopy</i>	711
<i>Traumatology</i>	588
<i>General orthopaedic surgeries</i>	650
<i>Dental surgery</i>	1 202
<i>Plastic surgery</i>	890

In 2007, the Department participated in the solution of the grant task titled “Optimization of Selection of Metallic Biomaterials from the Viewpoint of Composition, Properties, Service Life and Secondary Health Hazards”. At the same time, it continued in the lessons for Bachelor's and Master's study for the students of physiotherapy at the Faculty of Physical Training and Sport, Prague as well as the courses for post-gradual physicians and fellows.

The workplace continued in modern trends in orthopaedics and traumatology – mini-invasive TEP coxa surgeries, navigated surgeries and mini-invasive ways in traumatology.

The Department organized regular lessons for the students of physiotherapy of Physical Education and Sport Faculty as well as pre-gradual and post-gradual training of the students of Defence University Faculty of Military Health Service. The workplace is engaged in the grant concerning Optimisation of Selection of Metallic Biomaterials from the Viewpoint of Composition, Properties, Service Life and Secondary Health Hazards.

Urological Department

Chief Surgeon: Colonel Oto Köhler, MD, Ph.D.

<i>Number of beds</i>	28
<i>Number of inpatients in 2007</i>	1 327
<i>Number of surgeries in 2007</i>	1 183
<i>Number of outpatients in 2007</i>	14 866

Structure of surgeries:	
<i>Minimum invasive surgeries</i>	1 100
<i>daVinci robotic system</i>	125
<i>SWL</i>	139

The Department keeps increasing the number of the surgeries by daVinci system. Success of the urological workplace of ÚVN Prague was emphasized by announcing the most productive surgeon. It took place on the occasion of exhibition titled "Bodies" on June 28, 2007. Senior Surgeon of Urological Department, ÚVN Prague, was declared the surgeon having executed the highest number of robotic surgeries.

In March 2007, the Department organized urological workshop titled HoLEP & HoLAP accredited by Czech Physicians Association under the presence of Mr. T. Gordon from the USA. During the workshop, the Department was awarded the statute of the "Centre of Excellence" for laser urology by holmium laser having the field of operation for the whole Europe, Middle East and Africa.

In November 2007, physicians of the Department organized endourological workshop with the training of rigid and flexible ureteroscopies on pig models.



All the year 2007, the Department organized regular post-gradual training in both the basic and special courses, namely in the field of endourology and laser, laparoscopy and robotics for the urologists from the Czech Republic

Gynaecologic Department

Chief Surgeon: Hana Kašpárková, MD

<i>Number of beds</i>	26
<i>Number of inpatients in 2007</i>	1 172
<i>Number of surgeries in 2007</i>	1 038
<i>Number of outpatients in 2007</i>	7 453



In the course of the year 2007, the Department executed 18 surgeries by DaVinci robotic system. One of the robotic surgeries was transmitted live to Gynaecologic Congress in Moscow and one to Gynaecologic Conference in the Czech Republic.

In the year 2007, the Department started successful grant titled "Operational Solution of Pelvic Viscera Descensus; Comparison of Classic and Modern Techniques and Changes in the Quality of Life after these Surgeries".

The Gynaecologic Department of ÚVN Prague organized the lessons for the students of the Faculty of Physical Education, Medical Faculty of Charles' University and other universities.

Neurology Department

Chief Surgeon: Colonel Jaroslav Elis, MD

<i>Number of beds</i>	46
<i>Number of inpatients in 2007</i>	1 219
<i>Number of outpatients in 2007</i>	20 078
<i>Number of stroke unit inpatients in 2007</i>	116

The stroke ICU represents significant part of treatment of the patient with stroke. This specialized workplace deals with the questions concerning stroke treatment for many years. Thanks to the possibility of cooperation with radio-diagnostic workplace, the results are very good. Their priority is rapid treatment which goes permanently on and therefore, the surgeries are executed 24 hours daily. The workplace together with ICTUS Association (the persons suffering from stroke) periodically organizes educational seminars for journalists and public for the purpose of public health education and CMP prevention.

Dermato-Venerology Department

Chief Surgeon: Colonel Jaroslav Hoffmann, MD

<i>Number of beds</i>	25
<i>Number of inpatients in 2007</i>	398
<i>Number of dermato-surgical operations in 2007</i>	1 556
<i>Number of outpatients in 2007</i>	21 873

The Department has the following consulting clinics:

* **Chronic wounds healing clinic**

The clinic offers the dispensary care to the patients suffering from chronic defects of different aetiology. Its attention is aimed at the healing of chronic wounds while using new methods and kinds of cover. Its objective is to educate and regularly follow the patients who learn the correct ways of dressing the wounds.

* **Clinical demonstration and oncological dispensary**

The clinical demonstration involves an indication to eliminate the neoplasm and to analyze the inconclusive dermatosis. In the year 2007, the dispensary care resulted in examination of 308 patients with basaliom or spinaliom, 121 patients with malignant melanoma and 4 patients with dermal lymphoma.

* **Corrective dermatology and cosmetics clinic**

The clinic provides consulting in the field of cosmetic care but primarily, it executes the surgeries related to the corrective dermatology while using cryocautery or electrocautery (e.g. removal of fibromas, spider-shape nerves, sclerosing of brush-shape venectasia and in addition to that, complete treatment of skin (cleaning, bio-stimulation of skin by bio-lamp, massages and chemical peeling).

* **Physical therapy cabinet**

The cabinet of physical therapy provides namely UVA and UVB phototherapy, radiotherapy by Demopan, treatment by ultrasound, soft laser and bio-lamp.

* **Corrective dermatology room**

The room serves to surgical excisions of benign and malign neoplasm, diagnostic (probatory) excisions in order to verify clinical diagnosis, ablation of finger nails and plastic treating of the finger nail beds

Psychiatric Department

Chief Surgeon: Colonel Vlastimil Tichý, MD

<i>Number of beds</i>	40
<i>Number of inpatients in 2006</i>	456
<i>Number of outpatients in 2006</i>	12 153

In biological treatment, they applied complete index of psychopharmacological agents including the newest neuroleptic and antidepressant drugs. In the indicated cases, in cooperation with ARD, they used electro-convulsive treatment without any complications. Detoxication stays of the patients addicted to alcohol or other psychoactive drugs at in-patient ward were also applied.

Chief Surgeon of the Department is Senior Psychiatrist of the Czech Armed Forces and member of NATO research organisation in the sphere of human resources and member of COMEDS panel for military psychiatry.

The Department provides practical training of medical students of the Faculty of Medicine II, Charles' University, Prague

Nursing After-care Department

Vedoucí lékař: MUDr. Martin Papáč

<i>Number of beds</i>	42
<i>Number of inpatients in 2007</i>	256

Dental Department

Chief Surgeon: Lubor Daněk, MD

<i>Number of treated patients in 2007</i>	5 020
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In the year 2007, we monitored considerable growth of the treated patients.

Outpatient Care Centre

Chief Surgeon: Lt. Colonel Martin Hříbek, MD

<i>Number of outpatient's examinations by general practitioners in 2007</i>	11 953
<i>Number of outpatient's examinations by internists in 2007</i>	8 460

The Centre provides a.o. regular yearly medical examinations of the members of Ministry of Defence and the General Staff of the Czech Armed Forces.

Rehabilitation and Physical Medicine Department

Chief Surgeon: Lt. Colonel Michal Říha, MD

<i>Number of operations in 2007 – surgeons</i>	20 512
<i>Number of operations in 2007 – physiotherapists</i>	174 975

In the year 2007, the Department acquired Polar S725X apparatus for pulse rate and speed monitoring with altitude- and pace counter. Moreover, it purchased an apparatus for the treatment of locomotive organs by Masterplus PM 100 impulse wave.



Scientific-research activities and education

Scientific-research activity is performed namely in the branches of orthopaedy, cardiology and neurosciences. The Department develops cooperation with McKenzi Institute.

The workplace solves the project of defence research titled "Epidemiology of Locomotive Organs Diseases, Methodology of Prevention, Diagnostics and Treatment".

Radio-diagnostic Department

Chief Surgeon: Colonel František Charvát, MD, Ph.D.

<i>Number of examinations in 2007</i>	153 444
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Struktura vyšetření:	
<i>RTG</i>	92 924
<i>DXA</i>	8 249
<i>US examinations</i>	17 411
<i>CT examinations</i>	14 446
<i>MR examinations</i>	13 760



Central Medical-Psychological Department

Chief Surgeon: Lt. Colonel Jiří Klose, MA

<i>Expertise section (applicants for career soldier service, drivers, bomb disposal officers, travels abroad) – Number of examinations</i>	10 456
<i>Clinical section – number of patients</i>	1 832

The workplace is a bearer of the grant aimed at the experiencing of stress in military missions abroad.

Chief Surgeon of the Department is member of NATO research organisation in the sphere of human resources and member of COMEDS panel for military psychiatrics.

Clinical Oncology Department

Chief Surgeon: Lt. Colonel Petr Cinek, MD, Ph.D.

<i>Number of beds of stationary ward</i>	4
<i>Number of outpatient's visits in 2007</i>	11 728
<i>Number of newly admitted patients to accident dispensary and treatment in 2007</i>	210
<i>Administered chemotherapy</i>	2 871
<i>Continual chemotherapy</i>	468

Nuclear Medicine Department

Chief Surgeon: Jitka Svobodová, MD

<i>Number of examinations by gamma-cameras in 2007</i>	4 547
<i>Number of examinations in RIA laboratory in 2007</i>	68 107
<i>Angiology ward</i>	164



Occupation Diseases Department

Chief Surgeon: Lt. Colonel Josef Pavel, MD, Ph.D.

<i>Number of examinations in 2007</i>	5 995
<i>Out of it: workers in risk</i>	2 935
<i>soldiers before departure abroad</i>	1 730
<i>soldiers after arrival at home</i>	1 330

The Department performs all the examinations of Czech Armed Forces servicemen before their departure for the missions abroad and after their arrival from the missions. Moreover, it provides a consultation and advisory services for the workers in all NATO structures and their family members.

Haematology, Biochemistry and Blood Transfusion Department

Chief Surgeon: Lt. Colonel Miloš Bohoněk, MD, Ph.D.

<i>Number of tested blood samples in 2007</i>	3 299 356
<i>Number of blood, plasma and erythrocytes takings</i>	13 641
<i>Number of examinations in 2007 – blood storage</i>	31 612
<i>Number of patients in haematology consulting centre</i>	2 895



From March 2007, the Department supplied Field Hospital of the Czech Armed Forces (ACR) in Kabul, Afghanistan, by transfusion material. In total, it delivered 255 T.U.ERD (deleucotised erythrocytes) and 200 T.U. (plasma) for the ACR Field Hospital in Kabul.

The Department participated in an extra blood-taking of the blood donors in a form of telephonic and e-mail consultations during ISAF mission.

Moreover, the Department participated in the elaboration and implementation of methodology of taking and distribution of transfusion material and blood derivatives for the needs of both the civilian and military health service during massive and urgent admissions of the affected persons during accidents. On the basis of this methodology, the Department is considered as the main information and logistic centre in the system, responsible for the control system of a prospective critical situation in the supply of transfusion material on the territory of the country.

Pathological Department

Chief Surgeon: Colonel Petr Hrabal, MD

<i>Number of autopsies in 2007</i>	246
<i>Number of bioptic examinations in 2007</i>	7 328

The Department provided necroptic and namely bioptic diagnostics for the needs of ÚVN Prague.

It participates in the solution of the grant titled "Role of Hemoxygenesis in Pathogenesis of Hepatic Damage in Case of Chronic HCV Infection".

Military Institute of Medical Jurisprudence

Chief Surgeon: Colonel Miloš Sokol, MD, Ph.D.



<i>Number of autopsies in 2007</i>	322
<i>Number of autopsies of the died at air accidents in 2007</i>	17
<i>Number of histological examinations in 2007</i>	4 438
<i>Number of serological examinations in 2007</i>	58
<i>Number of tests for alcohol</i>	434
<i>Number of forensic test for drugs</i>	6 135

The Institute cooperated in the case of DROGIS (Drug Information System of the Czech Armed Forces) project. They started the tests for addictive drugs in the cases of newly admitted servicemen of the Czech Armed Forces.

Its physicians participated in the research task of Ministry of Interior – creation of structure of the team for disaster victim identification (DVI). Chief Surgeon of the Department participated in the elaboration of publication concerning solution of air accidents.

High level of consultative activities was also preserved.

Medical Review Board

Chairman of Medical Review Board of ÚVN Prague: Colonel Jiří Pilař, MD

<i>Number of medical board proceedings in 2007</i>	267
<i>Number of medical certificates in 2007</i>	2 142
<i>Number of examinations for other departments in 2007</i>	156

The Medical Review Board provides health assessment of the active service soldiers, including the evaluation of the increased demands upon some specifications in the Czech Armed Forces. Moreover, it organizes and validates the examinations of the applicants for the service in the Czech Armed Forces including the applicants for study at military schools.

In the year 2007, the effort to increase the level of quality of military review service continued. Regular controls of individual clinic workplaces of ÚVN Prague were aimed at the presence of conclusions of the review proceedings in medical reports of active service soldiers.

The workplace organized fellowships of the physicians-military persons at their post-gradual training aimed at practical solution of military review-related questions.

Operating Rooms / Theatres and Central Sterilization Department

Operating Rooms / Theatres Section

<i>Operating Rooms / Theatres and Central Sterilization Department</i>	9 668
<i>Number of robotic operations</i>	150

The Section of Operating Rooms / Theatres is responsible for ensuring the environment and operation necessary for the provision of surgical care by individual surgery branches: urology, surgery, neurosurgery, orthopaedy, traumatology and face, jawbone and plastic surgery or, if necessary, even other branches.

The Section disposes of 11 operating rooms / theatres which are operationally separated from the other departments and have their own access paths for personnel and patients.

The operation rooms / theatres are equipped with modern technologies, e.g. C-track probe (detection of breast carcinoma ganglion) or daVinci four-arm robotic system. Orthopaedic operating room was additionally equipped with an arthroscopic tower of Smith & Nephew Company and instrumentation for special traumatological surgeries.

The Department of operating rooms / theatres and sterilization participates in education of medical and non-medical workers.

The Section of Operating Rooms / Theatres is an accredited workplace of the Czech Republic's Ministry of Health for the specialized study after secondary school leaving examination – instrumentation in the operating room. The lessons are delivered in cooperation with National Centre of Nursing and Non-Physician Medical Branches.

Moreover, it organizes certified robotic courses for peri-operative nurses and other education activities are under preparation.

Urological operating room organizes accredited courses titled "Laparoscopic Radical Prostatectomy" for the specialists of specialized workplaces.

Central Sterilization Section

The Central Sterilization provides services for majority of the specialized hospital departments in a day-and-night duty. Operationally, it is divided into sterilisation itself, bed dressing and medical expendables stores.

Main activity of the workplace is represented by sterilization of medical aids including pre-sterilization preparation for the needs of the hospital departments. About 50% of the sterilized material includes the sterilization for central operating theatres and the remaining 50% is sterilization for other departments of the hospital.

In order to facilitate the execution of the pre-sterilization preparation, the workplace is equipped



with 3 interlining and 1 non-interlining washing and disinfection automatic machines, pulse ultrasound washing machine of robotic instrumentarium and automatic disinfector of AdaptaScope flexible endoscopes. Sterilization is done in 3 steam -, 2 plasma -and 1 ethylene oxide sterilization apparatuses.

The steam sterilization is the most often used sterilization procedure. In the year 2007, they sterilized material amounting 33,299 sterilization units in total. In addition to that, 54,914 pieces were sterilized by low-temperature sterilization.

In addition to the routine work, the bed dressing workplace ensures one of the anti-epidemic measures in order to minimize the risk of infection in the place of surgery; it is decontamination and changing of bedclothes of the beds the patients of which are being operated at central operating theatres. In the year 2007, they washed the beds and changed the bedclothes of about 5,700 beds of operated patients. Other important entry is decontamination of beds and bedclothes used at intensive care workplaces (about 500 beds).

The area of bed dressing workplace serves also as a depot of active anti-decubitus system (AAS) used for the needs of the departments so that each patient with the risk of occurrence of decubitus could be laid on the mattress corresponding to the determined risk.

The Department is used for practical part of the course of European Education Centre for Plasma Sterilisation in Sterrad System. The workers deliver the lectures in theoretical part of the course and the practical training is executed at the Section of Central Sterilisation. In the year 2007, they organized 13 courses attended by 131 persons in total.

Workers of the Department actively participate in delivering specialized lectures and in conceptual activities of the Czech Society for Sterilization. Thanks to technical equipment and professional erudition of its workers, the Department is one of the Republic's guarantors of specialization for the workers of central sterilizations.

Department of Hygienic Supervision and Work Safety and Protection Commission (WSPC)

Activity of the Department may be divided into the following areas: WSPC, hospital hygiene – controlling activity, anti-epidemic measures in case of contagious disease, surveillance of nosocomial infections, indicators of quality and education.

In the course of December 2007, it executed 143 concurrent controls aimed at observance of principles of hygienic and anti-epidemic regime, in most cases connected with the control of quality of environment by means of bacteriological scrapings.

The workplace made 1,814 bacteriological scrapings at majority of the hospital department. 45% of them had negative cultivation finding, 1.1% - pathogenic findings; 6.3% had the findings of conditionally pathogenic microflora and 47.6% - the findings of other microflora.

Within the control activity, aimed at the medical personnel's compliance with hands hygiene, the workplace made 298 hand-prints.

In connection with the occurrence of contagious diseases (Salmonella, CJ, TBC, viral hepatitis) and multi-resistant strains (MRSA), the workplace made 115 epidemiologic investigations with the consequent control of the prescribed anti-epidemic measures.

The Department keeps register of the patients with positive MRSA findings. In the year 2007, the hospital monitored the MRSA occurrence in case of 82 patients in total.

Hospital epidemiologist coordinates activity of the Infection Control Team and participates in the development of the Republic Register of Hospital Infections.

The Department ensures data acquisition, their analysis and processing for all-hospital quality indicators within JCI standards concerning the program of infection prevention – reported contagious diseases, BSI, SSI, UTI, and VAP.

In addition to that, the Department organizes education activities within the hospital.

C. Nursing Care

As of December 31, 2007, there were totally 1,090 workers employed in the sphere of non-physician medical professions

<i>General nurse</i>	723
<i>Nutrition therapist</i>	5
<i>Physiotherapist</i>	31
<i>Humane Service</i>	2
<i>Rescuer</i>	2
<i>Assistant of hygiene service</i>	4
<i>Medical laboratory technician</i>	34
<i>Dispensing technician</i>	10
<i>Radiological technician</i>	36
<i>Dental technician/Suture nurse</i>	7
<i>Other specialist</i>	26
<i>In total</i>	880

<i>Nurse</i>	18
<i>Nurse's aid</i>	192
<i>In total</i>	210

Education

<i>Secondary school + special courses</i>	300
<i>ARIP</i>	75
<i>Advanced vocational training</i>	139
<i>Bachelor's degree</i>	46
<i>Master's degree</i>	35

In the same way as in the previous years, activity of non-physician medical personnel proceeded from the concept of non-physician medical professions section of ÚVN Prague and consistently from the Plan concerning promotion of quality of care in the year 2007. The following multidisciplinary teams were working in the hospital within the program of the quality of care:

- * Nursing Care Quality Group,
- * Decubitus Presence Monitoring Group and Care for Risky Patients
- * Education Specialists Group
- * Nursing Care Quality Auditor's Team
- * Team for Training and Education of Non-physician Medical Professions
- * Team of Research and Development in Nursing Care

Within gradual change of the concept of life-long education on non-physician professions of ÚVN Prague, the Department started the project of e-learning education. It opened 16 e-learning courses for medical non-physician personnel including checking of the acquired knowledge. Moreover, it organized 3 all-hospital educational activities and 4 specialized seminars for junior medical workers.

It organized the following conferences:

- * Nurse in the year 2007/VI – “Patient in Nursing Team”, a nationwide conference held in cooperation with VFN (General University College Hospital) Prague and ČAS (Czech Nurses Association);
- * “How do the handicapped live?” – in cooperation with National Council of Handicapped and Czech Nurses Association;
- * Conference of peri-operation nurses;
- * Complement services – inseparable part of team cooperation at accredited medical facility – a conference intended namely for laboratory workers and general nurses ;
- * Actual trends in pharmacological care – for pharmaceutical assistants and other medical workers.

The instruction and delivering of lectures at specialized symposia for external applicants continued even in the year 2007 – See the offer on www.uvn.cz in the section titled Conferences, seminar courses.



D. Health Care Quality Control

At the end of the year 2007, ÚVN Prague successfully passed the already repeated examination of Joint Commission International (JCI). It means that after three years it successfully defended its international accreditation and position of leader in the sphere of health care and safety quality control.

The accreditation examination proved namely the fact that the demands of JCI keep increasing and the defending of accreditation does not mean only to repeat demonstration of complying with accreditation standards but it requires to present clear examples of permanent increasing of the level of quality and safety of the provided care.

ÚVN Prague enters the next three-year period with a hefty assignment. JCI issued new accreditation standards that bring many changes, namely in the sphere of handling the pharmaceuticals (there is completely new chapter of standards). ÚVN Prague has to respond to these changes and to introduce such processes that will comply with the new, stricter standards.

Monitoring of the introduced indicators of the quality of care continues in the activity of the preceding years – the graphs present the results of monitoring of the quality of a closed medical documentation and occurrence of accidents in ÚVN Prague.

Research on satisfaction of the patients of ÚVN Prague

Out-patients

Quality of care provided by ÚVN Prague is regularly monitored. At the end of the year, we activated an on-line questionnaire intended for the out-patients who visited some of the out-patient department of ÚVN Prague. The out-patients have the possibility to use web pages of ÚVN Prague and to express their experience with the services provided by the out-patient department. Results of the questionnaire activity serve as information about the quality of the provided care and will be used for its improving.

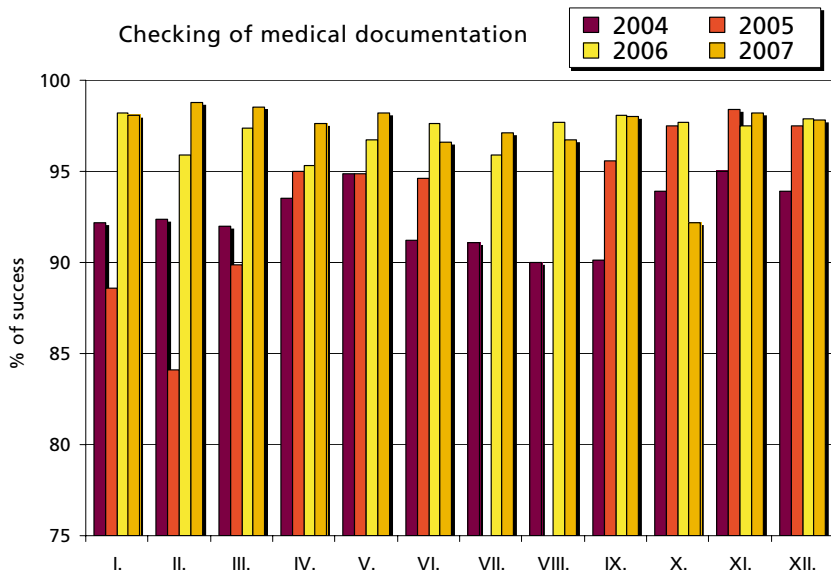
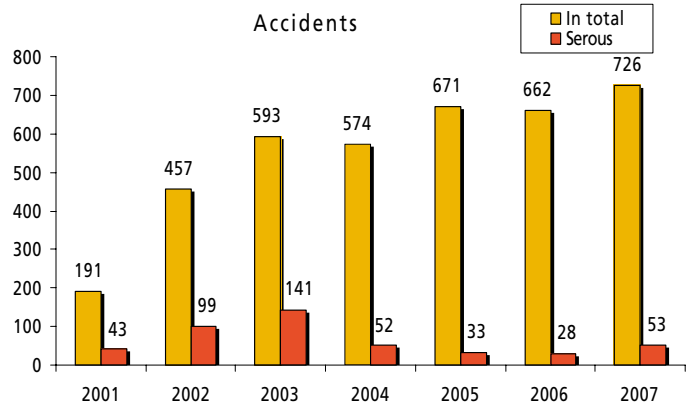
Conclusion of the results of the first 100 evaluated responses:

- * One third of the respondents (37%) mean that the quality of health care remains on the same level; 21% mean that it is improving and 7% think that it is worsening.
- * Assessment of out-patient departments (on the scale from 1 to 5, where mark 1 means – very satisfied and mark 5 unsatisfied) is as follows:
- * 52% - mark 1; 18% - mark 2; 5% - mark 3; 6% - mark 4 and 8% were quite unsatisfied and assessed the department by mark 5.
- * As many as 54% of the respondents expressed full confidence in the personnel of the department; 14% assessed the personnel by mark 2 and 6% have no confidence in the out-patient department.
- * 65% of respondents were very satisfied with the approach of the physician in the consulting room; 18% assessed the physician by mark 2 and 6% were unsatisfied.

In-patients

In the year 2007, the hospital organized an investigation of satisfaction of its patients at all in-patient department of ÚVN Prague. The investigation proceeded according to standardized questionnaire and it was done for the first time in so large extent (all the in-patient departments of the hospital) in the Czech Republic. The investigation was made by STEM/MARK investigation company. The method is based on measuring the satisfaction of patients at eight different dimensions of the health care (e.g. admission to hospital, respect, regard and consideration, information and communication, physical comfort, emotional support, etc) and it is used in developed countries all over the world since the eighties of the last century.

The investigation was made on a sample of 1,145 patients in ÚVN Prague. Overall satisfaction of the ÚVN clients reached very high level – 84%. However, 80% is considered very good standard at measuring the satisfaction. The questionnaire, which was submitted to the patients of ÚVN Prague, was approved by Ministry of Health at the end of the year 2005 as an official instrument for measuring the quality of health care in the hospitals controlled directly by Ministry of Health of the Czech Republic



E) Chaplains

Total number of visits to the patients made in the year 2006 (350) was overcome in the first half of the year 2007 already – 387 visits. It reached the number of 600 visits for the whole year 2007.

It follows from the above mentioned statistics that the chaplains were successful in introducing, presentation and settlement of the service so that it became a natural part of the care offered and provided by ÚVN Prague. The ÚVN Prague proved that it wants to be a top quality workplace even in this sphere.

The Chaplains cure is being developed to involve the personnel and family members of the patients.

In autumn 2007, 10 hospital chaplains were practising at ÚVN Prague. They were increasing the level of their specializations with the pilot project of Ecumenical and Theological Faculty of Charles' University. It was a historical event within the whole Czech health service and cure. The second part of the practice will take place in June 2008.

Messes were celebrated in the hospital the whole year round.

In the next years, the chaplains should acquit themselves more as the necessary support of the personnel.



F) Pharmacy

The Pharmacy Department was oriented namely on the provision of targeted dispensary care for patients and high quality service for the hospital departments of ÚVN Prague. The Pharmacy of ÚVN Prague was accredited in the branches of public pharmaceutical service and military pharmaceutical service.

The Pharmacy shared in the preparation of the samples for clinical studies (adjustment, blinding) and continued in multi-centric study checking the effectiveness and safety of gene therapy at the treatment of the patients with operable glioma of high degree malignancy (6 patients).

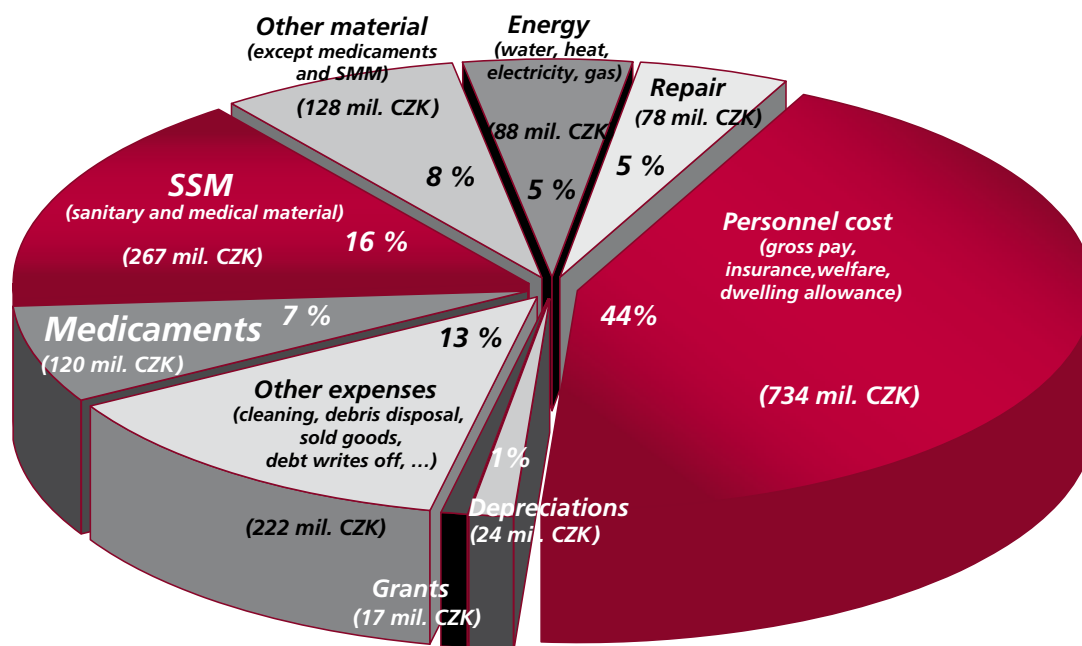
As far as the public is concerned, the Pharmacy aimed its attention at dispensing and targeted education of patients who require drugs-related counselling (oncological patients).



G) Economy

Structure of expenses in 2007

Kind of the expenses	Share in %
Personnel costs	44 %
Medication + sanitary and medical material (SMM)	16 %
Other costs	13 %
Material (except medicaments and SMM)	8 %
Medicaments	7 %
Energy (water, heat, electricity, gas)	5 %
Repair and maintenance	5 %
Depreciations	1 %
Grants – costs	1 %



TOTAL
1,677,131,782 CZK

Structure of earnings in 2007

Kind of earning	Podíl v %
Receipts for medical care	65 %
Receipts from medications (prescriptions, excess tolls)	5 %
Subsidies and non-invested funds to operation (except grants)	23 %
Grants – benefits	1 %
Other benefits (activation, receipts for our own products, meals, rent ...)	6 %

Economic results

CONSOLIDATED INCOME STATEMENT		
<i>Scheduled as of December 31, 2007 (in thousands of CZK)</i>		
<i>Account</i>	<i>Item</i>	
COSTS		
501	<i>Material consumption</i>	519 876
502	<i>Energy consumption</i>	87 664
504	<i>Sold goods</i>	75 196
511	<i>Repair and maintenance</i>	77 881
512	<i>Travel costs</i>	2 481
513	<i>Representation costs</i>	120
518	<i>Other services</i>	122 835
521	<i>Labour costs</i>	529 625
524	<i>Statutory social insurance</i>	185 072
527	<i>Statutory social expenditures</i>	14 059
528	<i>Other social expenditures</i>	11 126
531	<i>Road-traffic tax</i>	3
532	<i>Real assets tax</i>	6
538	<i>Other taxes and charges</i>	35
542	<i>Other fines and penalties</i>	10
543	<i>Writing off of debts</i>	18 342
544	<i>Interests</i>	2
545	<i>Exchange rate loss</i>	38
548	<i>Deficiencies and damages</i>	2 196
549	<i>Other expenses</i>	11 119
551	<i>Depreciation of long-term immobile and mobile assets</i>	23 754
559	<i>Creation of legal rectifying items</i>	-6 391
591	<i>Income tax</i>	2 083
COSTS IN TOTAL		1 677 132
INCOME		
601	<i>Receipts from our own products</i>	14 992
602	<i>Receipts from the sale of services</i>	1 168 476
604	<i>Receipts from the sold goods</i>	36 016
621	<i>Activation of material and goods</i>	31 826
621	<i>Contractual fines and interest for delayed payment</i>	7 074
644	<i>Interests</i>	1 624
645	<i>Exchange rate income</i>	1
649	<i>Other income</i>	28 568
651	<i>Receipts from the sale of long-term material</i>	133
691	<i>Subsidy and grants for operation</i>	390 040
INCOME IN TOTAL		1 678 750
ECONOMIC RESULT		1 618

BALANCE *Elaborated as of 31 December 2007 (in thousands of CZK)*

Name of item	State as of 1.1. 07	State as of 31.12. 07
ASSETS		
A. CONSTANT ASSETS	4 770 401	4 966 802
1. Long-term intangible assets	52 602	54 950
2. Depreciations of long-term intangible assets	-21 625	-27 911
3. Long-term tangible assets	6 836 659	7 261 089
4. Depreciations of long-term tangible assets	-2 097 234	-2 321 326
B. CURRENT ASSETS	644 329	499 209
1. Stocks	31 214	32 000
2. Receivables	180 773	145 039
3. Finance capital	427 776	318 857
5. Deferred active accounts	4 566	3 313
ASSETS IN TOTAL	5 414 730	5 466 011

LIABILITIES

C. OUR OWN FUNDS	5 173 257	5 184 211
1. Assets funds	4 884 946	5 081 861
2. Financial and money funds	288 197	100 732
5. Income	114	1 618
D. EXTERNAL RESOURCES	241 473	281 800
3. Short-term commitments	239 974	280 965
5. Deferred account liabilities	1 500	835
LIABILITIES IN TOTAL	5 414 730	5 466 011



List of important sponsors of Central Military Hospital, Prague, in the year 2007

Name	Donation sum (CZK)
<i>Coal Energy, JSC</i>	600 000,00
<i>Novartis, Co. Ltd.</i>	400 000,00
<i>PROCHÁZKA, Co. Ltd.</i>	253 500,00
<i>CZECH CASINOS, JSC</i>	150 000,00
<i>Antonín Zeman – building crafts Co. Ltd.</i>	100 000,00
<i>NOEN, JSC</i>	100 000,00
<i>JaGa, Co. Ltd.</i>	100 000,00
<i>Chovanec Aleš, LL.D, court executor</i>	100 000,00
<i>ČESMAD Bohemia Motor Carrier Association</i>	100 000,00
<i>Miloš Martin, M.Sc.</i>	95 750,00
<i>Mrázek Miloň, M.Sc.</i>	80 000,00
<i>OMNICON, Co. Ltd.</i>	75 000,00
<i>METROSTAV, JSC</i>	50 000,00
<i>Geodézie Ledeč by Sázava, Co. Ltd.</i>	50 000,00
<i>Stamont-Metal International, Co. Ltd.</i>	50 000,00
<i>Hadrbolec Antonín – KOPA, Co. Ltd.</i>	20 000,00
<i>Speel Praha, Co. Ltd.</i>	40 000,00
<i>Sanofi-Aventis Co. Ltd.</i>	30 000,00
<i>DMK-BAUX Co. Ltd.</i>	30 000,00
<i>GlaxoSmithKline Co. Ltd.</i>	40 000,00
<i>Rostislav Doleček, LL.D. – AK</i>	20 000,00
<i>REES THOMAS</i>	20 000,00
<i>Torrex Chiesi CZ Co. Ltd.</i>	15 000,00
<i>Architektonický ateliér Y Co. Ltd.</i>	10 000,00
<i>Marie Šejnová</i>	10 000,00
<i>Kohout Václav. M.Sc.</i>	10 000,00
<i>TACHTECH Co. Ltd.</i>	10 000,00
<i>Špilar Jan, M.Sc.</i>	10 000,00
<i>TEVA PHARMACEUTICALS ČR Co. Ltd.</i>	10 000,00
<i>TAJBL Jan – Jantan management</i>	10 000,00

Central Military Hospital, Prague, thanks all the sponsors and donators for the expressed favour.

All the donations have been used for the benefit of the patients of our hospital.

H) Personnel Matters

Personnel Administration Department

In the course of the year 2007, primary attention was paid to individual care for employees, their complete personal provision and higher level of the provision and ensuring of personal activities and services. Concurrently, we followed the professional, qualification and numerical structure of the employees, on the basis of which we shall build the area of personnel planning and development for the year 2008 in harmony with the intentions and mission of ÚVN Prague.

In the middle of the year, ÚVN Prague officially included 27 surgeons, career soldiers, in the preparation for postgraduate diploma examination. Organisationally, the Personnel Administration Department established new Section of Specialization Training.

Breakdown of occupational categories of the employees

	2006	2007
<i>Surgeon + Dental surgeon</i>	341	342
<i>Pharmacist</i>	12	12
<i>General nurse and midwife</i>	705	723
<i>Other medical workers, non-physicians, with professional qualif.</i>	97	99
<i>Medical workers, non-physicians, with professional qualification and specialized skills</i>	54	57
<i>Medical workers, non-physicians, under professional supervision or direct guidance</i>	204	211
<i>Technical-economical workers</i>	225	219
<i>Manual workers and operators</i>	106	104
IN TOTAL	1 744	1 767

Composition of the employees – male/female

	Male	Female
<i>Surgeon + Dental surgeon</i>	213	128
<i>Pharmacist</i>	1	11
<i>General nurse and midwife</i>	16	707
<i>Other medical workers, non-physicians, with professional qualif.</i>	16	82
<i>Medical workers, non-physicians, with professional qualification and specialized skills</i>	11	46
<i>Medical workers, non-physicians, under professional supervision or direct guidance</i>	103	108
<i>Technical-economical workers</i>	52	168
<i>Manual workers and operators</i>	39	66
IN TOTAL	451	1 316

Composition – career soldiers (service relationship) and employees (employment relationship)

	2006	2007
<i>Career soldiers</i>	92	87
<i>Employees</i>	1 652	1 680
IN TOTAL	1 744	1 767

Composition of employees according to education level

<i>Without school education</i>	2
<i>Primary school education</i>	83
<i>Lower secondary school education</i>	5
<i>Secondary technical school education and vocational certificate</i>	177
<i>Secondary school without "A" levels school-leaving examination or Secondary technical school education without vocational certificate</i>	18
<i>Complete general secondary school education</i>	18
<i>Complete secondary technical school education with vocational certificate + "A" level school-leaving examination</i>	22
<i>Complete secondary school education with "A" level school-leaving certificate (without vocational certificate)</i>	801
<i>Higher technical school education</i>	139
<i>Bachelor's education</i>	53
<i>University education</i>	399
<i>University Doctor's education</i>	50
IN TOTAL	1 767

Average monthly pay of the employees (in CZK)

<i>Surgeon + Dental surgeon</i>	46 069 Kč
<i>Pharmacist</i>	32 709 Kč
<i>General nurse and midwife</i>	23 450 Kč
<i>Other medical workers, non-physicians, with professional qualif.</i>	24 130 Kč
<i>Medical workers, non-physicians, with professional qualification and specialized skills</i>	26 704 Kč
<i>Medical workers, non-physicians, under professional supervision or direct guidance</i>	16 909 Kč
<i>Technical-economical workers</i>	22 247 Kč
<i>Manual workers and operators</i>	14 295 Kč

Education of employees

In the evaluated period, we organized one qualification-related course for the personnel to achieve the qualification to be able to work as "general ambulance attendant".

In order to support the development of knowledge and skills of our employees and to promote the quality of contacts with our foreign clients we started the courses of English for beginners and slightly advanced students at the end of the year. In the next period we are going to open refresher courses for the career soldiers.

In the year 2007, Ministry of Health of the Czech Republic issued its decision on granting the accreditation to organize educational programs within specialized education of physicians, dentists and pharmacists for additional 4 specialization branches.

I) Logistics

Waste

Concerning the sphere of waste management, we continued namely in further education aimed at thoroughgoing waste sorting in ÚVN Prague. The ÚVN Prague is assessed as one of the best organisations in handling dangerous waste

	2007
Sanitary waste	366,5 t
Sharp objects	36,3 t
Other dangerous waste	44,0 t
Municipal waste	498,0 t

Energy

Production of its own energy was positive financial contribution for ÚVN Prague. Production of our own energy is 1.7 times cheaper than the energy purchased from PRE. We bought 5,809,448 kWh for 16,448,284 CZK; our own production was 8,428,113 kWh. We expect total saving of 4522 GJ yearly.

Article	Per year consumption	Our own production	Purchase from PRE Company	Costs of ÚVN in 2007 (CZK)
Electricity	14 259 448 kWh	8 450 000 kWh	5 809 448 kWh	27 551 762 CZK
Gas	6 886 m ³			71 197 CZK
Water rate, sewage, charge	203 262 m ³			10 816 937 CZK
Heat	137 283 GJ			49 669 489 CZK

Accommodation

In the course of the last year, we managed to preserve existing standard of accommodation for our employees. ÚVN Prague administers 440 beds in three hostels. In spite of this fact, the existing capacity does not cover our needs

Hostel	Number of beds	Single room	Double room (shared bath)	Double room (shared bath)
Nurses Home	85	32	46	7
„D“ (XXI.)	200	/	100	100
Dědina	155	/	155	/

Tubular mail post

The tubular mail post is maintained on very good level. The tubular mail post system continued enlarging in connection with reconstruction of Pavilion C. Operation was not significantly limited during the reconstruction. The tubular mail post system was completely validated, disinfected and repaired. About 300,000 cartridges are sent by the system a year which is 900 – 1,100 cartridges a day. Total weight of the transported material is about 165,000 kg



The most important investment activities in 2007

Activity	Costs (in mil. CZK)
<i>Reconstruction of Pavilion C – 2007</i>	337,8 mil. CZK
<i>Development of Multifunctional Theatre of Surgery – 2007</i>	281,45 mil. CZK
<i>Reconstruction of LDN</i>	6,58 mil. CZK
<i>Reconstruction of energocentre</i>	6,6 mil. CZK
<i>Development of angiographic centre</i>	48,67 mil. CZK

Hospital laundry

Changes in the system of supply of the hospital departments by clean linen executed by “piece for piece” way resulted in considerable decrease of loss rate of the hospital linen. Establishing of distributing points in the areas of surgical departments resulted in better communication and thus in higher quality of service for the hospital departments. In addition to the economical benefit it was accompanied by substantial decrease of complaints and increase of quality of the hospital linen provision.

Quantity of washed laundry 2007	
In kg	345 424
In CZK	12 209 055

Catering

Standard of the provided catering was checked daily by all patients and by majority of employees. We succeeded in observing the reached standards of catering of our patients during the whole year without increasing the costs. Possibility of an above-standard catering of patients, choice of more kinds of meals, met with little interest. Only 111 patients made use of this chance last year. On the other hand, this fact may prove sufficient contentment with the quality of standard meals. The level of catering of our employees was evaluated mostly positively. It is proved by the growing number of boarders and by nearly 250 thousands main dishes consumed in the year 2007. If comparing the two hospital canteens, the canteen in the building of the directorate is more successful. The level of quality of meals is also proved by growing number of demands for catering provision of congressional activities held in the area.

Catering of employees	
<i>Number of meals</i>	249 803
<i>CZK</i>	17 711 543

Catering of patients	
<i>Number of breakfasts</i>	164 134
<i>Number of dinners</i>	171 428
<i>Number of suppers</i>	166 528

Costs of the patients catering (in CZK)	
<i>Food products</i>	13 897 797
<i>Running costs</i>	17 723 191
In total	31 620 988

Hospital Transport

Existing capacity of the Transport Division remains without substantial changes namely in the sphere of transportation of patients. We were not successful in introducing the system of early requests for transport of the patients discharged from the hospital treatment, namely the patients living out of Prague cadastre – so called long-distance trip. As a result, there are partly-loaded vehicles repeatedly sent in the same direction which results in economic losses and at the same time, it decreases the possibility to satisfy the needs of all the departments and necessity to order the drives from the other carriers.

a) Transport of patients	2007
Km	329 957
Points	2 852 261

b) Road transport	2007
Km	137 732

c) Mileage - km	2007
Km	467 689

Care for medical equipment

A survey of expenditures for the repairs and controls of medical devices in the year 2007

Kind of expenditure	Price
<i>Checking, calibration, validation</i>	858 141 Kč
<i>Tests of X-ray apparatus – atom law</i>	598 840 Kč
<i>Safety and technical controls</i>	1 961 975 Kč
<i>Lump-sum for the service</i>	8 144 535 Kč
<i>Other payments – repair, control, revisions</i>	18 830 688 Kč
In total	30 394 179 Kč



J) Research projects

MOD defence research projects:

Moderators of health and stress management of a mission member. Project No. – 3240

Solver: Colonel Jiří Klose, M.Sc.

Project objectives: To describe and classify the stressors which negatively affect the participants in the ACR missions abroad. On the basis of their detection and possible prediction of the stressors, to develop preventive programs and recommendations aimed at decreasing of the occurrence and alleviation of consequences of the influence of combat stress on the soldiers and thus to help in increasing the psychical resistance of individual soldiers and, subsequently, in maintaining combat efficiency of the whole units.

The project objectives have been met.

Microclimate of field medical workplaces for safe execution of medical operations. Project No. – 3031

Solver: Jaroslav Forejt, M.Sc., Ph.D.

Project objectives: To evaluate microclimate of the field medical workplaces in order to secure the minimum endurable environment for in-patients and to create acceptable working conditions for military medical personnel depending on external climate conditions; to check the results in practice and to elaborate a methodology of evaluation of the parameters of the field medical workplace internal environment.

The project objectives for the year 2007 have been met. Till the end of July 2008, the required procedures will be elaborated.

Models of information systems of field and peace-time medical service of the Czech Armed Forces Project No. – 3210

Solver: Karel Eminger, M.Sc.

Project objectives: To analyse the requirements on new information sub-system, transfer and registration system of the ACR Medical Service from the viewpoint of medical information; to solve the model of medical information sub-system of the ACR Medical Service.

The project objectives have been met.

Biological and non-biological elimination methods at the treatment of acute hepatic failure in an experiment. Project No. – 9140

Solver: Ondřej Ryska, MD

Project objectives: To develop and check the methodology of so called bioartificial liver (BAL) in ASJ treatment in an experiment made on a model using big laboratory animals.

The project objective is being met.

Bio-detector of potentially abused toxic agents. Project No. – 9090

Solver: Lubomíra Rumlová, MA

Project objectives: To compare reaction of cladocerans on the action of selected potentially able-to-be-abused agents of different toxic effect by means of scanning the picture of the cladocerans movement.

The project objective is being met.

Modernisation of individual medical equipment. Project No. – 6100

Solver: Jaroslava Doležalová, M.Sc.

Project objectives: To check by research and to suggest perspective means for upgrading the individual medical equipment of soldiers.

The project objectives are being met.

Objective determination of central visual acuity by means of visual EP (evoked potentials).

Project No.: 2030

Solver: Major Libor Hejsek, MD

Project objectives: To determine and improve the method for an objective central visual acuity by means of electrophysiological methods.

The project objectives are being met.

Epidemiology of locomotive organ disease, methodology of prevention, diagnostics and treatment

Project No.: 2040

Solver: Lt. Colonel Michal Říha, MD

Project objectives: To analyse the actual state, to define risk factors and estimate the risk (vulnerability) groups of military professionals; to elaborate the methodology of prevention, diagnostics and treatment of the locomotive organ disease.

The project objectives are being met.

Diagnostics of cognitive functions – development of new psycho-diagnostic tool. Project No.: 2050

Solver: Colonel Jiří Klose, M.Sc.

Project objective: To develop a psycho-diagnostic tool which will enable detection individual persons being at disposal for the work with information technologies and to find out such operators who will be able to work with such technologies in an effective way.

The project objectives are being met.

Evaluation of contribution of daVinci operation system on the level of ROLE 3. Project No.: 9180

Solver: Colonel Prof. Miroslav Ryska, MD, Ph.D.

Project objectives: To evaluate the contribution of daVinci operational system on the level of simulated conditions of ROLE 3 in abdominal surgery; to evaluate its use at treating the inter-abdominal parenchymatous organs, digestive tube and big vessels from the viewpoint of surgeon and anaesthesiologist.

The project objectives are being met.

Grants announced by IGA, MH

Immune systems and inflammatory mechanisms in pathogenesis of nasal polyps. Project No.: 8517

Solver: Petra Fundová, MD

Project objectives: Clarification of the role of mucous immune system at maintaining the homeostasis and barrier function of nasal mucous membrane with regard to creation of polyps and allergies.

The project objective was met.

Neurosteroids – risk factors in case of selected kinds of cerebrosis. Project No.: 8637

Solver: Milan Mohapl, MD

Project objective: To contribute to the answer on the question what is the spectrum and role of steroid hormones or the enzymes responsible for their creation in the tissues at cerebrosis.

The project objective was met.

Per-operation application of depot steroid at decompression surgical treatment of degenerative rachopathy. Project No.: 8848

Solver: Lt. Colonel Martin Häckel, Ph.D.

Project objective: Using selected group of patients, to decrease the percentage of unsuccessful surgical results, namely the consequently long-lasting and remaining hardly influenced aching states (FBSS/EF).

The project objective is being met.

Operation solution of descensus pelvic viscera, comparison of classical and modern techniques and changes of the quality of life of the female patients after these surgeries. Project No.: 9309

Co-solver: Tomáš Rittštein, MD

Project objectives: To check practical effectiveness of the implants by means of an objective evaluation on sufficiently large group of female patients. Possible modification of the operation procedures with the possibility of choice of an optimum operation method for concrete findings.

Role of hemoxygenesis in pathogenesis of liver damage at chronic HCV infection. Project No.: 9412

Co-solver: Colonel Petr Hrabal, MD

Project objectives: To contribute, in a significant way, to clarification of mechanisms of hepatic fibrogenesis at chronic HCV infection and to enable determination of the relation between basic parameters of HO isoenzymes expression and basic virologic or clinical characteristics of the diseases.

The project objectives are being met.

Influence of environment factors and genetic determinant of pancreas tumour (genetic profile) Project No.: 9422

Cc-solver: Colonel Prof. Miroslav Ryska, Ph.D.

Project objectives: To identify the genetic and environmental factors contributing to the origin of pancreas tumours; to correlate epidemiological data, genetic analysis and clinic staging with an objective of possible prognosis of the disease progress.

The project objectives are being met.

Correlation of MR angiography, Doppler ultrasonography and digital subtraction angiography with histological findings of carotid stenosis. Project No.: 9435

Solver: Prof. Vladimír Beneš, MD, Sc.D.

Project objectives: To determine mutual correlation of the stenosis finding located by diagnostic methods (angiography, Doppler monography, MR angiography) and aimed at histological specimen and definition of the significance of the combination of diagnostic tests.

The project objectives are being met.

Comparison of contribution of lumbar infusion test and lumbar drainage in an indication deliberation in case of the patients suffering from hydrocephalus. Changes of neuropsychological functions at the hydrocephalus therapy. Project No.: 9436

Solver: Milan Mohapl, MD

Project objectives: To make the diagnostics of marginal findings in case of the patients suspected of suffering from hydrocephalus more precise; to check the test battery of neuropsychological examination.

The project objectives are being met.

Genes of metabolism (XME), corrections of DNA and regulation of cell cycle in the prediction of the origin of larynges tumour. Project No.: 9423

Co-solver: Major Daniel Kovář, MD

The project objectives set for the year 2007 were met.

Projects announced by GA, CR

Solid-state infra-red lasers for ophthalmology. Project No.:102/05/0414

Co-solver: Colonel Assist. Prof. Jiří Pašta, MD, Ph.D.

The project objectives solved by the co-solver were met.

Projects announced by Academy of Science, CR

Is radiofrequency ablation able to induce antitumour immunity? – Experimental study of two animal tumour models

Co-solver: Miloš Kučera, MD

The project objectives set for the year 2007 were met.

In the year 2007, ÚVN Prague obtained specific financial support amounting 16,464,000 CZK for the abovementioned projects.



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