CEBO: organizational position in Masaryk University
Kamenice 126/3, 625 00 Brno, Czech Republic

Faculty of Medicine, Masaryk University, Brno
Faculty of Science, Masaryk University, Brno
The Centre of Biostatistics and Analyses (CBA) was established in 2001 as inter-faculty institute of Masaryk University in Brno, Czech Republic. As an academic institute, CBA has the following mission:

1) **Education and research** in the field of applied data analysis and ICTs for biological and clinical disciplines

2) **Professional service and guaranty for clinical trials and health care registries** (data analysis, software development, internet services)

3) To develop newly established **study program Computational Biology** in the Czech Republic

Regarding clinical registries and clinical trials, CBA closely collaborates with participating clinical centers and works under the guarantee of professional societies.
Centre of Biostatistics and Analyses

www.cba.muni.cz

**Academic institute**
- Established in 2001
- 40 employees
- > 65 scientific projects

**Structure /divisions/**
- Data analysis
- Clinical trials
- Environmental informatics
- SW development & ITC

**Research and teaching**
- Computational biology
- Ecological risk assessment
- Human risk assessment
- Evidence-based medicine
CEBO is a part of newly established IBA

- **IBA**
  - Division of environmental informatics
  - Division of data analysis
  - Division of clinical trials
  - Division of ICT and SW development
  - Economic department

**IBA_{\text{PřF MU}}**

**IBA_{\text{LF MU}}**
CEBO is supported by newly established IBA

- **IBA<sub>PřF MU</sub>**
  - Division of environmental informatics

- **IBA<sub>LF MU</sub>**
  - Economic department
  - Data analysis
  - SW support
  - Division of ICT and SW development

- **IBA**
  - Organization
  - Contract service
  - Education
  - Division of clinical trials
  - CEBO: Center for Evidence Based Oncology

- **Division of data analysis**

CBA
Position of CEBO

- Independent academic department
- Prepared for complex service in the field of interest
- Professional support to clinical projects in all steps during their „life cycle“ trajectory
- Open for both national and international collaboration
- Financial sources ?
Management & functionality of CEBO

EXECUTIVE MANAGEMENT

Management of MU

Management of IBA

CEBO
Center for Evidence Based Oncology

CEBO Office
Executive manager
Professional team

Program committee
Advisory board

SCIENTIFIC MANAGEMENT
Management & functionality of CEBO

**INPUTS**

- Initiation of projects /national, international/
- Project based on collaboration
- Ideas, proposals, hypotheses
- Problems to be solved

**OUTPUTS**

- Advice, theoretical support
- Educational support
- Feasibility studies
- Project design
- Methodical support
- Partial services
- Project management
Effective and friendly system for data collection

Open on-line system based on ORACLE technology
Methodical background of CEBO

Secure environment

Web Server

Database Server (Oracle 9i Server)

Local Computer

Data entry

(Secure web-based communication) 128 bit SSL

Fully guaranteed, authorized system
Standardized environment for multicentric projects

Individual centers

Presentations and studies realised in individual centers can use central analytic support

Common reports

Common outputs are accessible to all participants, special application is based on agreement

Data of centers

Central database

Data coding and analyses

Overall outputs // internet presentations // ….

Registration records

Electronic records
Methodical background of CEBO

Comprehensive presentations with comments and access to appropriate analytic tools

Predefined user controlled analytic tools

Data browser - analysis of individual parameters

SW solution
Information background of CEBO

http://www.cba.muni.cz/svod

About project
News
Epidemiological analyses
Publications, reports
Software SVOD
Analytic tools tutorial

Incidence and mortality
Time trends
Regional overview
Age analyses
Clinical stages
International data
Comparative standards
Comprehensive overview
Challenges for CEBO

- Clinical trials
  - Prospective, randomized research projects

- Educational strategy in evidence-based oncology
  - /associated with university/

- Evidence-based health care assessment

- Beneficial international collaboration
Challenges for CEBO

The Association CEEESTAHC
Krakow : an International Symposium

Evidence-Based Health Care

2-3. X. KRAKOW
THANK YOU FOR CEBO