

Public Health Institute (PHI) Ústí nad Labem



www.zuusti.cz

Business forum – Healthcare and Balneology
Ústí nad Labem, 21 September 2015

Territorial scope of operation



Structure of PHI

- Centre of **I**mmunology and **M**icrobiology
- Centre of **H**ygiene **L**aboratories
- Centre of **H**ealth **S**ervices
- Centre for Public Health Promotion

Centre of Immunology and Microbiology

- Medical microbiology
- Virology
- Parasitology, mycology a mycobacteriology
- Microbiological monitoring
- Clinical immunology and allergology

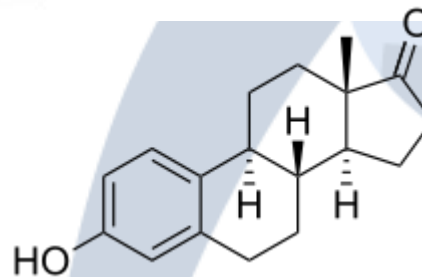
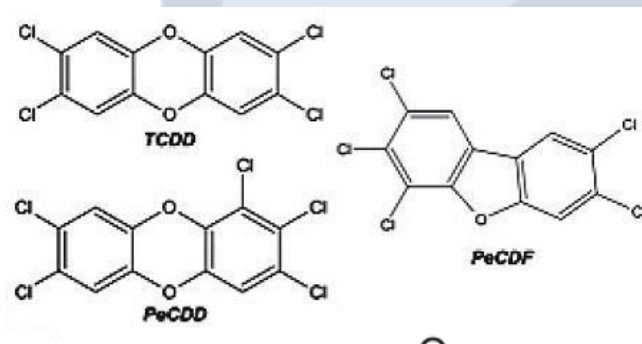
Centre of Hygiene Laboratories

- Chemical analyses
- Biological methods
- Environmental factors
- Pharmaceutical analyses
- Research of toxic substances in the environment

CADORAN

Centre for Advanced Organic Analyses

- Centre for research of toxic substances in the environment
- Joint research centre established by the University of J. E. Purkyně in Ústí nad Labem and Public Health Institute Ústí nad Labem



Centre of Health Services

- Department of Occupational Medicine
- Department of Work Physiology
- Department of Vaccination and Travel Medicine
- HIV/AIDS Advisory Centre

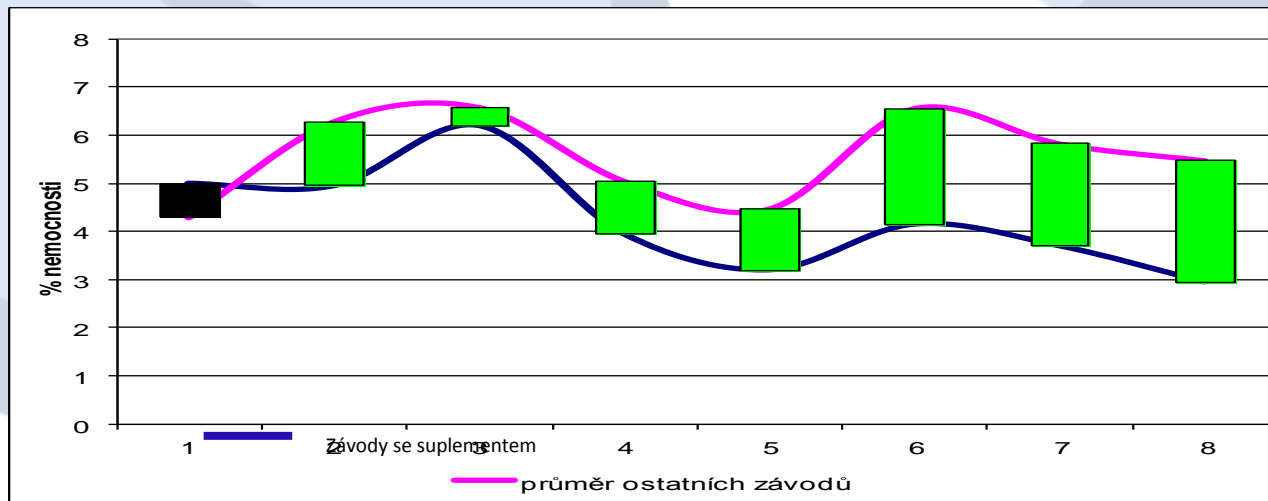
Centre for Public Health Promotion

- Department of Health Risks Assessment
- Department of Public Health Promotion
- Department of Prophylactic Immunology

Research

- Monitoring of prevalence of cancerous, respiratory and cardiovascular diseases in the region and the relationship between the diseases and the quality of both indoor and outdoor environment
- Evaluation of corrective measures
- Monitoring of relationship between nutrition and immunity
- Participation in other research projects

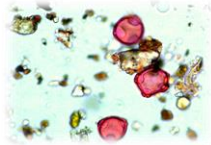
Comparison of sickness absence rate (%) in plants with supplement drinks



Research

Outdoor environment

➤ Pollen monitoring



➤ Air pollution

- SO₂
- NO_x
- O₃
- CO
- PM₁₀ and PM_{2,5}
nanoparticles



➤ Professional exposure (coal)

Indoor environment

➤ Passive smoking



Why?

Allergy, asthma

Allergy, asthma, respiratory tract infections, cancerous and cardiovascular diseases

Projects

Projects implemented in all fields of PHI expertise

Projects submitted to and supported from both domestic and foreign programmes incl. research and innovation programmes:

- Programmes funded by the Czech Ministry of Health or other ministries (Czech state budget)
- Operational programmes (ESIF)
- EU Community programmes
- EEA/Norway grants
- Research and innovation programmes of Czech Technology Agency (TAČR) and Czech Science Foundation (GAČR)

Disinfection - Disinsection - Disinfestation

Disinfection: mould, wipe samples,
efficiency of disinfectant

Disinsection: bed bug, flea, cockroach
and other insects

Disinfestation: brown rat, rat, mouse

Highly infectious diseases

- Final disinfection



Collaboration opportunities

- Chemical and biological analyses in support of environmental and clinical research
- Advisory and consulting activities
- Projects, science & research activities
- Healthcare for employees

Problems and barriers

- Low publicity to our services
- Difficulties in identification of potential partners
- Legal barriers to our activities

Thank you for attention



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