

# **PUBLIC HEALTH AND HEALTHCARE, HEALTH ECONOMICS for 3rd year international students**

## **Lecture**

1. Public health and healthcare as a science, subject of teaching and field of practice.
2. Public Health Policy. The main directions of health care reform.
3. Fundamentals of medical statistics and the organization of statistical research. The use of statistics in biomedical and copper-social research.
4. Public health: factors, criteria and indicators. Health groups.
5. Medical demography. Medical and social aspects of demographic processes.
6. Incidence. Methods of studying the incidence.
7. Disability. The current state and trends of disability, its determining factors.
8. Physical development. The main indicators of physical development in various age and gender groups, their features and trends.
9. Health promotion. Modern problems of prophylaxis.

## **For practical studies**

1. Public health and healthcare as a science, subject of teaching and field of practice. Public Health Policy.
2. Fundamentals of medical statistics and the organization of statistical research. Stages of a statistical study.
3. Statistical methods for processing the results of biomedical research. Calculation technique and analysis of relative values, construction of graphic images.
4. Average values. The methodology of their calculation and evaluation. Practical use in healthcare.
5. Assessment of the reliability of the results of the study. Methodology for calculating and evaluating the correlation coefficient. Practical use in healthcare.
6. Methodology for calculating and evaluating standardized indicators. Practical use in healthcare.
7. Analysis of statistics
8. Medical demography. Medical and social aspects of demographic processes. Calculation methodology and analysis of demographic indicators.
9. Incidence. Methods of studying the incidence. Methodology for calculating and evaluating the incidence rate. ICD-10.
10. Disability. The importance of disability studies in analyzing and evaluating the performance of health facilities.
11. Physical development. The main indicators of physical development in various age and gender groups, their features and trends.
12. Health promotion. Modern problems of prophylaxis. The role of medical workers in the implementation of preventive measures. Healthy Lifestyle (HLS).
13. The most important non-infectious and infectious diseases as a copper-social problem. Performance of control work № 1 «Public Health».
14. Public Health Organization. Nomenclature and basic principles of work of medical organizations.

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