

**List of questions
on educational discipline “Social medicine, public health
and the basics of evidence-based medicine”
for the 3-year English-speaking students of the second (master's)
level of higher education, specialty 221 "Dentistry"**

1. Social medicine and public health as a science. Methods of social medicine.
2. Target approaches to the definition of the concept "health". Health of the population as a conditional statistical concept, its medical indicators.
3. Leading groups of factors which affect health indicators.
4. Disability of the population. Methodology for studying and calculating indicators.
5. Physical development as an indicator of health state.
6. Role of a doctor-dentist in the study and evaluation of biological and morpho-functional development.
7. Concept of "promotion of dental health" and its aspects.
8. Types, trends and levels of prevention in dentistry. The essence of sanitary and educational work in dentistry.
9. Principles, objectives and methods of sanitary education in dentistry. Section of preventive work of a doctor-dentist.
10. Indexes of caries and hygiene of oral cavity, inflammation of the gum.
11. Biostatistics as the main component of the system of evidence-based medicine, its importance for the practice of health care
12. Organization and stages of statistical research.
13. Object and unit of observation. Sources of statistical information.
14. Methods of statistical researches on time and degree of coverage.
15. Methods of collecting statistical information. Types of questionnaires, method of construction.
16. Types, rules for construction and filling in statistical tables.
17. Relative values: definition, method of calculation, meaning and application in the activities of a doctor-dentist.
18. Graphical representations of medical and biological data.
19. Variation series, their elements, characteristics and parameters.
20. Average values in the activity of the doctor, their types, practical value, methods of calculation.
21. Notion of variation, variability of aggregate parameters, evaluation methods.
22. Methods for assessing the probability of medical and biological researches (parametric).
23. Average error of arithmetic mean and relative value, confidence interval.
24. Estimation of probability of difference: criterion of the Student, method of calculation, its estimation.
25. Notion of nonparametric methods for assessing the reliability of statistical data.
26. Dynamic series. Definition, types and analysis of dynamic series.
27. Method of standardization: essence and value.
28. Correlation-regression analysis of the relationships of factors and effective features in medical researches.
29. Screening. Method for assessing the sensitivity and specificity of screening tests.
30. Risk factors. Method of calculation of risk indicators and their estimation.
31. Subject and content of demography. Statics and population dynamics. Population censuses.
32. Birth indicators, total mortality, natural increase. The concept of the average life expectancy.
33. Mortality of infants, its causes. Neonatal mortality, stillbirth, perinatal mortality, causes.
34. The concept of morbidity, the purpose of its study.
35. Methods of studying morbidity, the possibility of applying individual methods, their advantages and disadvantages.
36. International Statistical Classification of Diseases.
37. Types of morbidity that are being studied in Ukraine.
38. Medical and social aspects of the most important diseases.
39. Health care system in Ukraine. Principles and organization.
40. Organization of primary medical care on the basis of family medicine.

41. Organization of secondary and tertiary care.
42. Organization of inpatient care for the population, provision of beds to the population, levels of hospitalization. Hospital district. Analysis of activity of inpatient department.
43. Peculiarities of medical provision of the rural population.
44. Organization of obstetric and gynecological care. Reproductive health of women.
45. Organization of medical care to the population of children.
46. Organization of medical care for the elderly people. Hospice and palliative care.
47. Emergency medical care.
48. The concept of quality and effectiveness of medical care, their criteria. Standards of quality in the activities of dental institutions.
49. Examination of temporary disability: the task of treating physicians, Medical and Consultative Commission (MCC).
50. Types of temporary disability. Procedure of of issuance and continuation of Sick lists of various types.
51. Examination of permanent disability. Medical and Social Expert Commissions (MSEC).
52. Groups and causes of disability. Organization of rehabilitation of invalids.
53. Characteristics of the dental status of the population. Criteria for dental health.
54. Organization of ambulatory and polyclinic stomatological care to the urban population. Structure and tasks of the city (district) dental polyclinic.
55. Inpatient care for dental patients. Stomatological department of the regional (central city) multi-profile hospital, main tasks, organizational structure.
56. Features of the organization of dental care to the rural population. Mobile forms of providing stomatological care.
57. Organization of dental care for pregnant women and children. Children's dental polyclinic (department), functions, structure, analysis of work.
58. Public health service in Ukraine, its task and content of activity.
59. Theoretical basis of management. Laws, principles and methods of management.
60. The purpose and tasks of the World Health Organization (WHO), its structure, forms of activity.