



МЕДИЦИНСКИ УНИВЕРСИТЕТ – ПЛЕВЕН

ФАКУЛТЕТ „ОБЩЕСТВЕНО ЗДРАВЕ” – ЦЕНТЪР ЗА ДИСТАНЦИОННО ОБУЧЕНИЕ

КАТЕДРА “ОБЩЕСТВЕНОЗДРАВНИ НАУКИ”

PRACTICAL TASKS DAY №3

DISCIPLINE

SOCIAL MEDICINE INTERNSHIP

TOPIC:

„MORBIDITY AND PREVENTION”

6-TH YEAR MEDICAL STUDENTS AT MEDICAL UNIVERSITY-PLEVEN

■ SPECIALTY „MEDICINE” ■

PLEVEN

2020

TASK 1

We have data about registered number of diseases in the region of Pleven. The size of population in the same year is 305 025. The number of children (below 18 years) is 53 128 and the people above 18 years are 251 897.

1. Calculate the morbidity for the whole population, for children and for adults.
2. Calculate the relative shares (structures) of diseases among whole population, children and adults.

Table 1. Registered number of diseases in region of Pleven

№	Classes	№ of all diseases	below 18 years	above 18 years
I	Certain infectious and parasitic diseases	10692	4434	6258
II	Neoplasms	7323	130	7193
III	Diseases of the blood and blood-forming organs	3244	766	2478
IV	Endocrine, nutritional and metabolic diseases	20456	1029	19427
V	Mental and behavioral disorders	13171	653	1258
VI	Diseases of the nervous system	24875	858	24017
VII	Diseases of the eye and adnexa	23599	3847	19752
VIII	Diseases of the ear and mastoid process	12667	3355	9312
IX	Diseases of the circulatory system	94976	235	94741
X	Diseases of the respiratory system	101043	46431	54612
XI	Diseases of the digestive system	17414	2015	15399
XII	Diseases of the skin and subcutaneous tissue	14747	4669	10078
XIII	Diseases of the musculoskeletal system and connective tissue	22653	802	21851
XIV	Diseases of the genitourinary system	29690	3135	26555
XV	Pregnancy, childbirth and the puerperium	2745	369	2376
XVI	Certain conditions originating in the perinatal period	48	48	
XVII	Congenital malformations, deformations and chromosomal abnormalities	654	383	271
XVIII	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	11747	5277	6464
XIX	Injury, poisoning and certain other consequences of external causes	19284	4123	15161
	All diseases	431 022 new cases 152 015	82559	348463

TASK 2

A screening program for early detection of the cancer of cervix uteri has been initiated. 3771 women have been included. 268 of them have been found to be positive. In the following thorough clinical examination cancer has been diagnosed in 68 of the positive women. In the whole group of 3771 women cancer has developed in 142 of them.

1. Draw and fill in the two-by-two table.
2. Calculate indicators for the validity of the screening test.

	DISEASE +	DISEASE –	TOTAL
TEST +			
TEST –			
TOTAL			

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