

# STUDENTS' OPINION ON BIOSTATISTICS COURSE IN THE CURRICULUM OF NURSING STUDY

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## INTRODUCTION

Implementation of EVB nursing care has been carried out in Florence Nightingale's time. There are two main goals to implement EVB; Nurses need to have adequate skills and knowledge and value of evidence about nursing care based on scientifically proved interventions in everyday work.



## OBJECTIVES

- To examine nursing students' opinions about the need for content in the field of biostatistics in the curriculum of nursing study
- To examine the difference in opinions on biostatistic modules among students at first year of undergraduate and second year of graduate study

## METHODS

Cross sectional study.  
Questionnaire → 15 questions about mandatory course in medical statistics, significance of content, ways students process the data for master thesis.  
SPSS for Windows was used for data analysis.

## RESULTS

	Number (%) respondents			Number (%) respondents
	I year of undergraduate study	II year of graduate study	Total	
They were able to statistically process data when writing seminars, assignments, etc.	24 (45)	33 (94)	57 (65)	<0,001
They are aware that in the program of nursing studies there is a mandatory course Basics of research work	23 (43)	33 (94)	56 (64)	<0,001
They believe that there is a need for courses in the field of medical statistics in the nursing study program	36 (68)	35 (100)	71 (81)	<0,001
They believe that they will need medical statistics in further studies	39 (74)	29 (83)	68 (77)	0,437
Total	53 (100)	35 (100)	88 (100)	

p\* < 0,001



- 88 participants; 20 male & 68 female
- 53 (60%) at first year of undergraduate nursing study and 35 (40%) are at second year of graduate nursing study

	Number (%) respondents			p*
	I year of undergraduate study	II year of graduate study	Total	
Age of respondents	20 (20 - 21)	28 (26 - 39)	21 (20 - 27)	<0,001

	Number (%) respondents			Number (%) respondents
	I year of undergraduate study	II year of graduate study	Total	
They read scientific or professional papers related to the topic of nursing	24 (45)	28 (80)	52 (59)	0,002
They had the opportunity to write a scientific or professional paper	20 (38)	29 (83)	49 (56)	<0,001
They had the opportunity to be a collaborator in writing a scientific or professional paper	16 (30)	24 (69)	40 (46)	<0,001
Total	53 (100)	35 (100)	88 (100)	

## CONCLUSION

Significantly more students at graduate study believe that there is a need for courses in the field of biostatistics in study program than students at undergraduate study program.  
Students of second year of graduate study read significantly more scientific literature and have had the chance to write much more scientific papers than the students have at first year of undergraduate study.  
Almost all participants consider the course "Research and Methodology of Research" useful, but when in need to process the statistical data, they asked for the statistician's help.

