



Applied Healthcare Statistics – C784

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Overview

Applied Healthcare Probability and Statistics is designed to help you develop competence in the fundamental concepts of basic mathematics, introductory algebra, and statistics and probability. These concepts include: basic arithmetic with fractions and signed numbers; introductory algebra and graphing; descriptive statistics; regression and correlation; and probability. Statistical data and probability are now commonplace in the healthcare field. You need to be able to make informed decisions about which studies and results are valid, which are not, and how those results affect your decisions. This course will give you background in what constitutes sound research design and how to appropriately model phenomena using statistical data. Additionally, you will be able to calculate simple probabilities, especially based on events which occur in the healthcare profession. This course will prepare you for your studies at WGU, as well as in the healthcare profession.

Competencies

▲ Basic Numeracy & Calculation Skills

The graduate applies the operations, processes, and procedures of basic arithmetic to solve expressions.

▲ Fractions, Decimals & Percentages

The graduate applies the operations, processes, and procedures of fractions, decimals, and percentages to evaluate quantitative expressions.

▲ Basic Algebra

The graduate applies the operations, processes, and procedures of basic algebra to evaluate quantitative expressions, and to solve equations and inequalities.

▲ Descriptive Statistics for a Single Variable

The graduate evaluates categorical and quantitative data pertaining to a single variable using appropriate graphical displays and numerical measures.

▲ Descriptive Statistics for Two Variables

The graduate evaluates the relationship between two variables through interpretation of visual displays and numerical measures.

▲ Correlation & Regression

The graduate evaluates the relationship between two quantitative variables through correlation and regression.

▲ Probability

The graduate applies principles and methods of probability-based mathematics to explain and solve problems.



Welcome to Applied Healthcare Statistics! To get started, review the Pacing Guide by using the link in the Course Information section at the bottom of this page. The Pacing Guide will show you the recommended order and timeline of how to approach completion of this course. Clicking the "Go to Course Material" button will direct you to MindEdge, which is the learning resource that will provide you with all of the learning materials you need to master the concepts in this course. At the end of each module, you will find additional practice sets and an adaptive review test that you can use to assess whether you have mastered the material.

Seven competencies will be assessed through the objective assessment. If you have background knowledge in the course, begin by taking the pre-assessment, which will provide you with a Coaching Report and help you determine if you are ready for the objective assessment. If additional practice is needed, the Coaching Report will help identify those topics where you have more to learn, and where to complete this work in the MindEdge learning resource.

In addition to these course resources, Course Mentors are also available to answer questions and discuss healthcare statistics concepts.

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Cohort Sign-up

Cohorts provide additional structure and support for challenging aspects of this course. In a cohort you receive specific homework assignments and meet online with mentors and students regularly to discuss the challenging topics.

[EXPLORE COHORT OFFERINGS](#)

Assessments

🕒 Preassessment, Applied Healthcare Statistics

STATUS: **Not Attempted**

OF ITEMS: **70**

TIME ALLOTTED: **150 minutes**

CODE: **PAQO**

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🕒 Objective Assessment: Applied Healthcare Statistics

STATUS: **Not Attempted**

OF ITEMS: **70**

TIME ALLOTTED: **150 minutes**

CODE: **AQO1**

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A score of **Competent** or **Exemplary** is required to pass an assessment. Passing a pre-assessment does not guarantee you will pass the high stakes assessment.

On objective assessments, you will be charged a retake fee for the third attempt and every attempt thereafter. For more information [click here](#).

Course Information

[Pacing Guide](#)[Student Success Center](#)[Accessibility Policy](#)

Course Instructor

Course Instructor Group

(877) 435-7948 Ext. 3145

healthstats@wgu.edu

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Learning

Getting Started

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STATUS: **Not Attempted**

OF ITEMS: **70**

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CODE: **AQO1**

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