

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR  
OF SCIENCE IN HEALTH RECORDS AND INFORMATION MANAGEMENT

HRIM 254: ANALYSIS AND INTERPRETATION OF HEALTHCARE DATA

STREAMS: BSC (HRIM)

TIME: 2 HOURS

DAY/DATE: TUESDAY 11/04/2023

2.30 P.M. – 4.30 P.M.

**INSTRUCTIONS: Answer question ONE and any other TWO in section B**

**SECTION A: COMPULSORY (40 MARKS)**

1. (a) Explain the following concepts as used in analysis and interpretation of healthcare data. [6 marks]
- (b) Explain the importance of data analysis and interpretation in healthcare. [6 marks]
- (c) Outline the process of analyzing categorical data [6 marks]
- (d) Justify the need for data categories in analysis of healthcare data [6 marks]
- (e) List six characteristics of an ideal healthcare [6 marks]
- (f) As a health records manager, explain any five measures you would put in place to encourage analysis of a data in a hospital. [5 marks]
- (g) Describe the data management cycle [5 marks]

**SECTION B: ATTEMPT QUESTION 2 AND ANY OTHER ONE QUESTION**

2. Discuss any three sources of data in healthcare, giving advantages and disadvantages of each. [5 marks]
3. Explain the need for investing in inferential statistics in healthcare data analysis [15 marks]
4. Explain any five possible barriers you are likely to experience in the process of analysis and interpretation of healthcare data, and how you would mitigate them. [15 marks]