

CHUKA UNIVERSITY

UNIVERSITY EXAMINATIONS

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

HRIM 141: INTRODUCTION TO MEDICAL STATISTICS

STREAMS: BSC HIRM Y1S2

DATE: MARCH 2021

TIME: 2 HOURS

INSTRUCTIONS:

- **There are two sections in this paper.**
- **Answer 4 (four) questions total.**
- **Answer questions 1 and 2 from SECTION A, Answer question three and any other one question from SECTION B.**
- **Start every question on a new page**

SECTION A:

QUESTION 1 (20 MARKS)

- a. State the uses of statistical data (5 Marks)
- b. Describe 2 main sources of data (5 Marks)
- c. State the methods of primary data collection (5 Marks)
- d. Describe measures of central tendency (5 Marks)

QUESTION 2 (20 MARKS)

- a. State at least 5 (five) methods of data presentation (5 Marks)
- b. Describe measures of dispersion (5 Marks)
- c. Describe how to create a stem and leaf diagram (5 Marks)
- d. State the use of health indicators in health care (5 Marks)

SECTION B: ANSWER QUESTION 3 and ANY OTHER 1 QUESTION.

QUESTION 3 (15 MARKS)

As a Health Records and Information Officer, discuss the collection of statistical data in a health facility (15 Marks)

QUESTION 4 (15 MARKS)

Compare and contrast a pie chart and a table as methods of data presentation (15 Marks)

QUESTION 4 (15 MARKS)

In-patient diseases 2001

Kenyatta National Hospital

	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Malaria	96	78	72	65	77	71	67	73	53
T.B	13	10	9	10	10	9	8	7	6

Construct a multiple component bar chart from the above data.