



AMREF INTERNATIONAL TRAINING CENTER

091906T4HRI

HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6

HE/OS/HR/CR/03/6/C

MANAGEMENT OF HEALTH INFORMATION SYSTEM

WRITTEN ASSESSMENT

TIME: 2 HOURS

DATE: XX/08/2026

INSTRUCTIONS TO CANDIDATE

1. You have **TWO** hour to answer all the questions.
2. Marks for each question are indicated in the brackets.
3. The paper consists of **TWO** sections: A and B.
4. Do not write on the question paper.
5. A separate answer booklet will be provided.

*This paper consists of **THREE (3)** printed pages
Candidates should check the question paper to ascertain that all the pages are printed as
indicated and that no questions are missing*

SECTION A: SHORT STRUCTURED QUESTIONS**(40 MARKS)**

Instructions: Answer *ALL* questions. Each question is worth **4 marks**.

1. Define the term 'System' in the context of health information management. (2 mark)
2. You are training a new team on the basic components that make the Health Records and Information Management department function effectively. Identify two resources that must work together to achieve a common objective in your departmental information system. (2 marks)
3. Differentiate between 'Primary Data' and 'Secondary Data' providing a relevant HRIM example for each. (4 marks)
4. During a board meeting, the Hospital Chief Executive Officer (CEO) asks why the facility should continue investing in data collection. Outline four specific ways health information is used to manage health services at the facility level. (4 marks)
5. You are verifying monthly summary forms and notice the header information is incomplete. Identify four essential 'Metadata' particulars that must be filled on every MOH tool before recording clinical data. (4 marks)
6. A researcher wants to analyze the health needs of different groups in the community based on the life-cycle approach. State the specific age ranges for the following as defined by the current KEPH classification:
 - a. 'School-age children' (2 marks)
 - b. 'Adolescents and Youth' cohorts (2 marks)
7. A health program manager is asking for a report that shows the resources used versus the services delivered. Differentiate between an 'Input Indicator' and an 'Output Indicator' providing a relevant example of each. (4 marks)
8. You are part of a committee developing new indicators for a community health project. Identify four characteristics of a "SMART" health indicator. (4 marks)
9. The facility is procuring new software to help manage appointments and billing. Outline four core functions of 'Medical Practice Management' software that distinguishes it from a clinical Electronic Health Records (EMR.) (4 marks)
10. You are drafting a privacy notice for patients to explain their rights under the Data Protection Act 2019. Outline four rights of a 'Data Subject' regarding their personal health information. (4 marks)
11. A junior HRIO asks for guidance on how to maintain professional standards in the registry. Highlight four "Golden Rules" of record keeping that ensure the integrity of a health record. (4 marks)

SECTION B : EXTENDED ANSWER QUESTIONS**(60 MARKS)**

Question 11 is COMPULSORY. Answer any other TWO (2) questions from this section.

11. A County Referral Hospital has recently faced a legal challenge regarding the loss of patient files and unauthorized access to digital records. As the Senior HRIO, you are tasked with overhauling the records management standards and ensuring the facility complies with the Digital Health Act 2023.
 - a. Discuss five stages of the 'Health Records Lifecycle' (10 marks)

- b. Identify four guiding principles of Information Governance that protect the confidentiality and security of health data. (4 marks)
 - c. Describe the first three steps for the legal disposal of obsolete health records as stipulated in the national policy. (6 marks)
12. The Ministry of Health is rolling out the "Digital Health Superhighway" to link all levels of care. Your facility is transitioning from paper-based reporting to a fully integrated digital system that connects with the National Data Warehouse.
- a. Discuss the vertical flow of data from Tier 1 to Tier 4. (8 marks)
 - b. Evaluate three roles of the 'Interoperability Layer' in ensuring that different systems exchange information. (6 marks)
 - c. Discuss three common challenges that hinder the smooth flow of health information between the facility and the national level. (6 marks)
13. You are leading a Data Quality Audit (DQA) at a primary care facility that has been reporting unusually high immunization rates (above 150%). You need to investigate the cause of these statistics and train the staff on proper analysis and visualization.
- a. Describe the four systematic procedure for conducting a Routine Data Quality Audit (RDQA). (8 marks)
 - b. Explain the three dimensions used to describe a data value within the KHIS platform. (6 marks)
 - c. Discuss three benefits of using 'Data Visualization' tools when presenting performance trends to the facility management team. (6 marks)
14. The County Government is developing its 5-year Strategic Plan for Health. As the HMIS Office Coordinator, you are required to advise on the budget and the specific strategies needed to strengthen the information system's business efficiency.
- a. Discuss three core functions of an HMIS Office Coordinator (6marks)
 - b. Analyse four benefits of 'Risk Management' in the long-term sustainability of a Health Information System. (8 marks)
 - c. Explain three ways in which stakeholder intervention helps in the mobilization of resources for HIS infrastructure. (6 marks)