

Read the text, identify : TITLE, HEADING, SUBHEADING, AND BOLD WORDS.

# The Impact of Technology on Modern Healthcare

## Introduction

In recent years, **technology** has revolutionized the field of **healthcare**, transforming the way medical professionals diagnose, treat, and care for patients. From **electronic health records (EHR)** to **telemedicine**, technology has enhanced the **efficiency** and **accuracy** of healthcare services.



## 1. Advances in Medical Technology

### Electronic Health Records (EHR)

The shift from **paper-based records** to **digital EHR systems** has made patient information more **accessible** and **organized**. EHRs enable healthcare providers to:

- Access patient history quickly
- Reduce **medical errors**
- Improve **coordination** of care

### Telemedicine and Remote Care

Telemedicine allows **patients** to consult with healthcare professionals remotely. This has been especially beneficial during the **COVID-19 pandemic**, reducing the need for in-person visits. Telemedicine offers:

- **Convenient access** to care for rural patients
- Reduced **waiting times**
- Improved **follow-up care**

## 2. Benefits of Technology in Healthcare

Technology has led to numerous **improvements** in healthcare, including:

- **Faster diagnosis:** Advanced imaging technology, such as **MRI** and **CT scans**, allows for quicker and more precise diagnoses.
- **Personalized treatment:** **AI algorithms** can analyze patient data to recommend **customized treatments**.



- **Improved patient safety:** **Automated medication systems** reduce the risk of **human error**.

### 3. Challenges and Ethical Considerations

While technology offers many benefits, it also presents **challenges**, such as:

- **Privacy concerns:** Digital records can be vulnerable to **cyberattacks**.
- **Cost of implementation:** Advanced technology can be expensive, limiting access for some **healthcare facilities**.
- **Reliability issues:** Over-reliance on technology could lead to **inaccuracies** if the system fails.

### Conclusion

Technology continues to reshape **modern healthcare**, offering **unprecedented advantages** in patient care and treatment. However, it is essential to address **ethical concerns** and ensure that technology is used responsibly to promote **patient well-being**.



### 1. Chronology: The Order of Events

Identify the sequence of events or the order in which technological advancements were introduced.

a)

b)

c)

### 2. Compare and Contrast: Finding Similarities and Differences.

Identify how two concepts in the text are alike and different.

a)

b)

### 3. Cause and Effect: Understanding Relationships

Identify the cause and its effect

a)

b)

c)

### 4. Problem and Solution: Identifying Challenges and Responses

Identify the problem and solution mentioned in the text.

a)

b)

c)

### 5. Description: Identifying Key details

Identify descriptive details used to explain healthcare technology.

a)

b)

c)

## WORK BANK

List two medical technologies mentioned in the text that have improved diagnosis. Place them in the order they were introduced (based on common knowledge or context clues).

What technology replaced paper-based medical records?

During which global event did telemedicine become especially beneficial?

Compare **EHR** and **telemedicine**. How are they **similar** in improving healthcare?

How are **telemedicine** and **in-person visits** different? Identify one **advantage** and one **disadvantage** of each.

What was one effect of replacing **paper-based records** with **EHRs**?

How did the **COVID-19 pandemic** influence the use of telemedicine?

What is one positive effect of using **AI algorithms** in healthcare?

How does **telemedicine** help solve the problem of **limited healthcare access** in rural areas?

What is one problem related to **privacy concerns** in healthcare technology?

What is one **solution** to reduce medical errors introduced by technology?

Find two descriptive phrases that explain how **AI algorithms** personalize treatment.

How is **telemedicine** described in the text? Write down at least **two descriptive details**.

What descriptive words or phrases are used to explain the benefits of **EHRs**?

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