

# HL7

*HL7 Control Specialist  
HL7 V2.7 Chapter 2 control specialists*

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## Question: 1

Which of the following HL7 segments is used to report the event that triggered the message?

- A. MSH
- B. ERR
- C. EVN
- D. OBX

**Answer: C**

Explanation:

The EVN (event type) segment is used to report the event that triggered the message, such as a patient admission or transfer.

## Question: 2

If an HL7 message is missing a required segment, what is the likely consequence?

- A. The message will be rejected by the receiving system.
- B. The message will be processed normally by the receiving system.
- C. The missing segment will be replaced with default values by the receiving system.
- D. The missing segment will be requested from the sending system by the receiving system.

**Answer: A**

Explanation:

An HL7 message that is missing a required segment is likely to be rejected by the receiving system because the missing segment is necessary for processing the message.

## Question: 3

How are HL7 segments typically delimited in an HL7 message?

- A. With commas
- B. With semicolons
- C. With pipes
- D. With colons

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**Answer: C**

Explanation:

HL7 segments are typically delimited in an HL7 message using pipes (|) to separate the fields within the segment.

### Question: 4

Are HL7 messages typically encrypted during transmission?

- A. Yes
- B. No

**Answer: A**

Explanation:

HL7 messages may contain sensitive patient information, so they are typically encrypted during transmission to protect patient privacy.

### Question: 5

If an HL7 message is sent with an incorrect sending facility ID, what is the likely consequence?

- A. The message will be rejected by the receiving system.
- B. The message will be processed normally by the receiving system.
- C. The message will be delayed but eventually processed by the receiving system.
- D. The message will be sent to an incorrect recipient.

**Answer: B**

Explanation:

An HL7 message with an incorrect sending facility ID is unlikely to cause processing issues because the sending facility ID is not a required field for message processing.

### Question: 6

How are HL7 messages typically authenticated during transmission?

- A. With digital signatures
- B. With password authentication
- C. With username authentication
- D. With IP address filtering

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**Answer: A**

Explanation:

HL7 messages may be authenticated during transmission using digital signatures to verify the identity of the sender and ensure message integrity.

### Question: 7

Is the HL7 message format used exclusively in the United States?

- A. Yes
- B. No

**Answer: B**

Explanation:

The HL7 message format is used globally in healthcare systems to facilitate the exchange of information between different systems.

### Question: 8

How are data types represented in an HL7 message?

- A. With numeric codes
- B. With descriptive text
- C. With Boolean values
- D. With hexadecimal values

**Answer: B**

Explanation:

Data types in an HL7 message are represented using descriptive text, such as "string," "date/time," or "numeric."

### Question: 9

If an HL7 message contains a data element that is too long to fit in its assigned field, what is the likely consequence?

- A. The message will be rejected by the receiving system.
- B. The message will be truncated to fit in the assigned field.

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- C. The message will be delayed but eventually processed by the receiving system.  
D. The message will be sent to an incorrect recipient.

**Answer: B**

Explanation:

If an HL7 message contains a data element that is too long to fit in its assigned field, the message will be truncated to fit in the field, potentially losing some of the data.

### Question: 10

Is it possible to include attachments, such as images or documents, in an HL7 message?

- A. Yes  
B. No

**Answer: A**

Explanation:

It is possible to include attachments, such as images or documents, in an HL7 message using specific HL7 message types designed for this purpose.

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