

HealthShare Unified Care Record Technical Specialist Exam

Practice Questions

This document contains 17 practice questions covering various topics of the exam and is designed to familiarize candidates with the style and format of the exam. As the questions presented here are not comprehensive to all exam topics, additional preparation beyond their review is recommended. The answers are provided on the last page of this document.

- 1) Consider the sample solution architect document given below. How many data source providers will be sending messages into HealthShare Unified Care Record/Information Exchange, and how much space do incoming messages take daily on average?

Customer-Supplied Statistics	Metric
Number of Patients	500,000
Daily Inbound Message Rate	300,000 ¹
Average Message Size	4KB
% of Transformations per Message	10%

The assumptions below have been used for initial design and sizing the infrastructure:

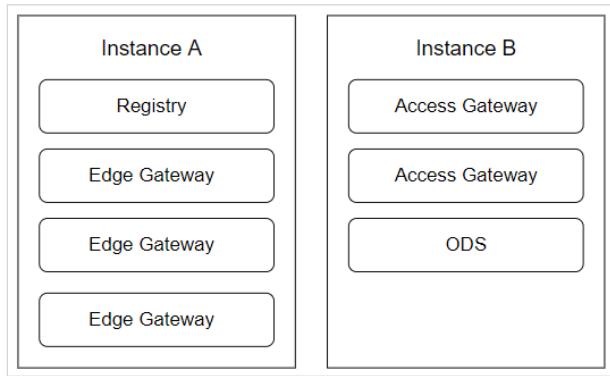
Sizing Statistics	Metric
HealthShare components	Information Exchange and Patient Index
Edge gateway instances	5
# of data source providers (namespaces) per edge gateway instance	20
# of days for inbound original message retention	7
# of days for journal retention	3
Message/Interface type	HL7v2
Average inbound message size	4KB
# of transformations per message	2
% of data change per transformation	10%
Resiliency	Local HA using Database Mirroring
Stage capacity	25%

- 50, 0.12GB
- 100, 12GB
- 50, 1.2GB
- 100, 1.2GB

2) Which of the following statements are reasons you would not see the Health Insight option when configuring HealthShare productions in the Installer Wizard?

- The appropriate production has not been created
- The templates are on a separate instance
- The license key does not have permissions
- The license key is no longer valid

3) Consider the following system diagram. Which of the following procedures would start productions in the correct order?



- Step 1: On instance with Registry, click "Start All"
Step 2: Start ODS production
Step 3: On the instance with Access Gateways, click "Start All"
- Step 1: On instance with Registry, click "Start All"
Step 2: On instance with ODS, click "Start All"
- Step 1: Start the Registry Production
Step 2: On Instance with ODS, click "Start All"
Step 3: On Instance with Registry, click "Start All"
- Step 1: Start Registry production
Step 2: Start ODS Production
Step 3: On instance with Edge Gateways, click "Start All"
Step 4: On instance with Access Gateways, click "Start All"

4) Before an upgrade, which TWO of the following criteria must be considered in order to prepare?

- Custom code and viewer layouts
- Version of HealthShare Unified Care Record
- Customer/System Locale and Time Zone
- Access and Edge Gateway naming conventions

5) Consider the following scenario. Dr. Clarissa Espinosa is a PCP at facility MPA within your HealthShare system. A new clinician, Dr. Lawrence McKeen has joined the facility and will be sharing Dr. Espinosa's caseload.

Which TWO of the following consent groups could Dr. McKeen be assigned to in order to have access to clinical data for Dr. Espinosa's patients?

- HSGroup.MPA.Primary
- HSGroup_MPA.Primary
- HSGroup_MPA
- HSGroup.MPA.Primary.Physician

6) Which of the following levels is the most efficient in terms of system processing for filtering the scope of a system subscription with a subscription basis of "All" ?

- Topic
- Analytic
- Search Term
- Detail

7) In order to properly form a PIX notification, in which of the following registries should each facility/assigning authority have an entry?

- Code Registry
- Service Registry
- Cohort Registry
- OID Registry

8) Which TWO of the following would you want to normalize before storing in the ECR?

- Punctuation
- Date/time formats
- Spelling errors
- Incoming SDA

9) Which TWO of the following contain data that would require a custom SDA container and streamlet to fit into HealthShare Unified Care Record?

- Drug Sensitivity
- Questionnaires
- Medical Claims
- Wearable fitness devices

10) Bulk loading code sets from a file into Unified Care Record is done in which of the following productions?

- HSREGISTRY
- HSLIB
- HSEDGE1
- HSACCESSGATEWAY

11) Clinical Viewer users at a hospital have remarked that reading information returned on a patient search is difficult, due to the large amount of data on the screen. Which TWO of the following may help patient information be more readable for these users?

- Reduce chart columns from the default of 20
- Customize the patient banner to add critical information
- Set *Display in Tabs* to "Normal" in Chart Setup
- Delete charts from the user's chartbook definition

12) Which TWO of the following types of events will be logged in the HealthShare Unified Care Record Audit Log?

- Patient Search activity
- Operating System shutdown
- InterSystems Database System events
- Failed SOAP Messages

13) Which TWO of the following Assigning Authority identifiers is used in a probabilistic patient search?

- Insurance ID
- Address
- MRN
- Clinician ID

14) A new HealthShare user, Carla, needs to be assigned a role in HealthShare Unified Care Record, and has the below duties:

- Register patients
- Use Clinical Message Center
- Assign a user to any consent group

Which of the following HealthShare roles will allow Carla to complete these duties?

- %HS_Clinician
- %HS_Clerical
- %HS_UserManager
- %HS_Administrator

15) Lab result data has been sent into HealthShare from a data source provider, and there have not been any noticeable errors, but the data does not appear in the Clinical Viewer. Which of the following explains what may be causing this issue?

- There are missing fields that are required by the HL7 schema.
- There are missing fields that are required to map SDA to the Clinical Viewer.
- The Registry Production has not been started.
- There was a runtime error during Patient Fetch in the Clinical Viewer.

16) Suppose you have performed a patient search and when you select the patient you would like to see results for, which of the following messages requests that patient's data from the appropriate Edge Gateway?

- AddUpdateHubRequest
- PatientSearchRequest
- ECRUpdateRequest
- PatientBatchFetchRequestAsync

17) Which TWO of the following can cause a queue to grow more than expected, and be viewed in the Production Monitor?

- A component is in an alert status due to a non-critical issue.
- A new facility is being onboarded to an Edge Gateway.
- A greatly increased number of incoming messages from a generally low-volume facility.
- A business component is taking too long to convert an incoming HL7 message to SDA, and gets stuck in a wait condition.

ANSWERS

- 1) 100, 1.2GB
- 2) The license key does not have permissions
- 3) Step 1: Start Registry production
Step 2: Start ODS Production
Step 3: On instance with Edge Gateways, click "Start All"
Step 4: On instance with Access Gateways, click "Start All"
- 4) Custom code and viewer layouts; Version of HealthShare Unified Care Record
- 5) HSGroup_MPA; HSGroup_MPA.Primary
- 6) Topic
- 7) OID Registry
- 8) Date/time formats; Punctuation
- 9) Wearable fitness devices; Questionnaires
- 10) HSREGISTRY
- 11) Reduce chart columns from the default of 20; Set *Display in Tabs* to "Normal" in Chart Setup
- 12) InterSystems Database System events; Patient Search activity
- 13) Address, Insurance ID
- 14) %HS_Administrator
- 15) There are missing fields that are required to map SDA to the Clinical Viewer.
- 16) PatientBatchFetchRequestAsync
- 17) A business component is taking too long to convert an incoming HL7 message to SDA, and gets stuck in a wait condition; A greatly increased number of incoming messages from a generally low-volume facility.