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Technical HL7 Conformance Profile

# **ENTERPRISE IMAGING OUTBOUND ORU\_R01 - ASCII LINE BY LINE {ORC-OBR}-OBX**

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## Message Profile

### Conformance parameters

#### Message Profile

- HL7 Version: 2.4
- Profile Type: HL7
- Topics: confsig-Agfa Healthcare-2.4-profile-accNE\_accAL-Deferred

#### Encoding Method

ER7



## Interaction 1

### Dynamic Definition

- Accept Acknowledgement: NE
- Application Acknowledgement: AL
- Acknowledgement Mode: Deferred

### Static Definition

- Event Description: ORU/ACK - Unsolicited transmission of an observation message
- Message Type: ORU
- Trigger Event: R01
- Message Structure: ORU\_R01
- Topics: confsig-Agfa Healthcare-2.4-static-ORU-R01-null-ORU\_R01-V1.0-DRAFT-Sender

### Message structure

**MSH** { [ **PID** { **PD1** } [ **NTE** ] [ **PV1** { **PV2** } ] ] { **ORC OBR** [ **ZDS** ] { **DG1** } { **NTE** } } { Segment that repeats for every line in the report and addenda ONLY in the last ORDER\_OBSERVATION will there be an OBSERVATION segment **OBX** { **NTE** } } }

### MSH - Message Header

- Usage: Required
- Cardinality:1..1

| Seq. | Name                  | Opt. | Card. | Type | Table   | Contents                 |
|------|-----------------------|------|-------|------|---------|--------------------------|
| 1    | Field Separator       | R    | 1..1  | ST   |         |                          |
| 2    | Encoding Characters   | R    | 1..1  | ST   |         |                          |
| 3    | Sending Application   | R    | 1..1  | HD   | HL70361 |                          |
| 3.1  | namespace ID          | R    | 1..1  | IS   | HL70363 |                          |
| 3.2  | universal ID          | O    | 0..   | ST   |         |                          |
| 3.3  | universal ID type     | O    | 0..   | ID   | HL70301 |                          |
| 4    | Sending Facility      | R    | 1..1  | HD   | HL70362 |                          |
| 4.1  | namespace ID          | R    | 1..1  | IS   | HL70363 |                          |
| 4.2  | universal ID          | O    | 0..   | ST   |         |                          |
| 4.3  | universal ID type     | O    | 0..   | ID   | HL70301 |                          |
| 5    | Receiving Application | R    | 1..1  | HD   | HL70361 |                          |
| 5.1  | namespace ID          | R    | 1..1  | IS   | HL70363 |                          |
| 5.2  | universal ID          | O    | 0..   | ST   |         |                          |
| 5.3  | universal ID type     | O    | 0..   | ID   | HL70301 |                          |
| 6    | Receiving Facility    | R    | 1..1  | HD   | HL70362 |                          |
| 6.1  | namespace ID          | R    | 1..1  | IS   | HL70363 |                          |
| 6.2  | universal ID          | O    | 0..   | ST   |         |                          |
| 6.3  | universal ID type     | O    | 0..   | ID   | HL70301 |                          |
| 7    | Date/Time Of Message  | R    | 1..1  | TS   |         |                          |
| 7.1  | Date/Time             | R    | 1..1  | NM   |         | e.g. 20040328134602+0600 |



| Seq.   | Name                            | Opt. | Card. | Type   | Table   | Contents |
|--------|---------------------------------|------|-------|--------|---------|----------|
| 8      | Security                        | O    | 0..1  | ST     |         |          |
| 9      | Message Type                    | R    | 1..1  | CM_MSG | HL70076 |          |
| 9.1    | message type                    | R    | 1..1  | ID     | HL70076 |          |
| 9.2    | trigger event                   | R    | 1..1  | ID     | HL70003 |          |
| 9.3    | message structure               | O    | 0..   | ID     | HL70354 |          |
| 10     | Message Control ID              | R    | 1..1  | ST     |         |          |
| 11     | Processing ID                   | R    | 1..1  | PT     |         |          |
| 11.1   | processing ID                   | R    | 1..1  | ID     | HL70103 |          |
| 11.2   | processing mode                 | O    | 0..   | ID     | HL70207 |          |
| 12     | Version ID                      | R    | 1..1  | VID    | HL70104 |          |
| 12.1   | version ID                      | R    | 1..1  | ID     | HL70104 |          |
| 12.2   | internationalization code       | O    | 0..   | CE     | HL70399 |          |
| 12.2.1 | identifier                      | O    | 0..   | ST     |         |          |
| 12.2.2 | text                            | O    | 0..   | ST     |         |          |
| 12.2.3 | name of coding system           | O    | 0..   | IS     | HL70396 |          |
| 12.2.4 | alternate identifier            | O    | 0..   | ST     |         |          |
| 12.2.5 | alternate text                  | O    | 0..   | ST     |         |          |
| 12.2.6 | name of alternate coding system | O    | 0..   | IS     | HL70396 |          |
| 12.3   | international version ID        | O    | 0..   | CE     |         |          |
| 12.3.1 | identifier                      | O    | 0..   | ST     |         |          |
| 12.3.2 | text                            | O    | 0..   | ST     |         |          |
| 12.3.3 | name of coding system           | O    | 0..   | IS     | HL70396 |          |
| 12.3.4 | alternate identifier            | O    | 0..   | ST     |         |          |
| 12.3.5 | alternate text                  | O    | 0..   | ST     |         |          |
| 12.3.6 | name of alternate coding system | O    | 0..   | IS     | HL70396 |          |
| 13     | Sequence Number                 | O    | 0..1  | NM     |         |          |
| 14     | Continuation Pointer            | O    | 0..1  | ST     |         |          |
| 15     | Accept Acknowledgment Type      | O    | 0..1  | ID     | HL70155 |          |
| 16     | Application Acknowledgment Type | O    | 0..1  | ID     | HL70155 |          |
| 17     | Country Code                    | O    | 0..1  | ID     | HL70399 |          |
| 18     | Character Set                   | O    | 0..*  | ID     | HL70211 |          |
| 19     | Principal Language Of Message   | O    | 0..1  | CE     |         |          |
| 19.2   | text                            | O    | 0..   | ST     |         |          |
| 19.3   | name of coding system           | O    | 0..   | IS     | HL70396 |          |
| 19.4   | alternate identifier            | O    | 0..   | ST     |         |          |
| 19.5   | alternate text                  | O    | 0..   | ST     |         |          |
| 19.6   | name of alternate coding system | O    | 0..   | IS     | HL70396 |          |



| Seq. | Name                                    | Opt. | Card. | Type | Table   | Contents |
|------|-----------------------------------------|------|-------|------|---------|----------|
| 20   | Alternate Character Set Handling Scheme | O    | 0..1  | ID   | HL70356 |          |
| 21   | Conformance Statement ID                | O    | 0..*  | ID   | HL70449 |          |

## 1. Field Separator

## 2. Encoding Characters

## 3. Sending Application

## 4. Sending Facility

## 5. Receiving Application

## 6. Receiving Facility

## 7. Date/Time Of Message

### 7.1. Date/Time

If Agility is configured to send timezone information, datetime format  
 YYYYMMDD[HHMM[SS]][+ZZZZ] is used otherwise YYYYMMDD[HHMM [SS]] is used

## 8. Security

## 9. Message Type

## 10. Message Control ID

## 11. Processing ID

## 12. Version ID

## 13. Sequence Number

## 14. Continuation Pointer

## 15. Accept Acknowledgment Type

## 16. Application Acknowledgment Type

## 17. Country Code

## 18. Character Set

## 19. Principal Language Of Message

## 20. Alternate Character Set Handling Scheme

## 21. Conformance Statement ID



## **Segment group: PATIENT RESULT**

- Usage: Required
- Cardinality:1..\*

## **Segment group: PATIENT**

- Usage: Optional
- Cardinality:0..1

## **PID - Patient identification**

- Usage: Required
- Cardinality:1..1

| Seq.   | Name                                               | Opt. | Card. | Type | Table   | Contents      |
|--------|----------------------------------------------------|------|-------|------|---------|---------------|
| 1      | Set ID - PID                                       | O    | 0..1  | SI   |         |               |
| 3      | Patient Identifier List                            | R    | 1..*  | CX   |         |               |
| 3.1    | ID                                                 | R    | 1..1  | ST   |         |               |
| 3.4    | assigning authority                                | R    | 1..1  | HD   |         |               |
| 3.4.1  | namespace ID                                       | R    | 1..1  | IS   | HL70363 |               |
| 3.4.2  | universal ID                                       | O    | 0..   | ST   |         |               |
| 3.4.3  | universal ID type                                  | O    | 0..   | ID   | HL70301 |               |
| 3.5    | identifier type code (ID)                          | R    | 1..1  | ID   | HL70203 |               |
| 5      | Patient Name                                       | R    | 1..*  | XP   |         |               |
| 5.1    | family name                                        | R    | 1..1  | FN   |         |               |
| 5.1.1  | surname                                            | R    | 1..1  | ST   |         |               |
| 5.2    | given name                                         | R    | 1..1  | ST   |         |               |
| 5.3    | second and further given names or initials thereof | O    | 0..   | ST   |         |               |
| 5.4    | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |               |
| 5.5    | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |               |
| 5.7    | name type code                                     | O    | 0..   | ID   | HL70200 |               |
| 5.8    | Name Representation code                           | O    | 0..   | ID   | HL70465 |               |
| 5.11   | name assembly order                                | O    | 0..   | ID   | HL70444 |               |
| 7      | Date/Time Of Birth                                 | O    | 0..1  | TS   |         |               |
| 7.1    | Date/Time                                          | R    | 1..1  | NM   |         | e.g. 20040328 |
| 8      | Administrative Sex                                 | R    | 1..1  | IS   | HL70001 |               |
| 11     | Patient Address                                    | O    | 0..*  | XAD  |         |               |
| 11.1   | street address (SAD)                               | O    | 0..   | SAD  |         |               |
| 11.1.1 | street or mailing address                          | O    | 0..   | ST   |         |               |
| 11.1.2 | street name                                        | O    | 0..   | ST   |         |               |
| 11.1.3 | dwelling number                                    | O    | 0..   | ST   |         |               |
| 11.2   | other designation                                  | O    | 0..   | ST   |         |               |



| Seq.   | Name                                  | Opt. | Card. | Type | Table   | Contents |
|--------|---------------------------------------|------|-------|------|---------|----------|
| 11.3   | city                                  | O    | 0..   | ST   |         |          |
| 11.4   | state or province                     | O    | 0..   | ST   |         |          |
| 11.5   | zip or postal code                    | O    | 0..   | ST   |         |          |
| 11.6   | country                               | O    | 0..   | ID   |         |          |
| 11.7   | address type                          | O    | 0..   | ID   | HL70190 |          |
| 11.8   | other geographic designation          | O    | 0..   | ST   |         |          |
| 11.9   | county/parish code                    | O    | 0..   | IS   |         |          |
| 13     | Phone Number - Home                   | O    | 0..*  | XTN  |         |          |
| 13.1   | [(999)] 999-9999 [X99999][C any text] | C    | 0..   | TN   |         |          |
| 13.2   | telecommunication use code            | R    | 1..1  | ID   | HL70201 |          |
| 13.3   | telecommunication equipment type (ID) | R    | 1..1  | ID   | HL70202 |          |
| 13.4   | Email address                         | O    | 0..   | ST   |         |          |
| 14     | Phone Number - Business               | O    | 0..*  | XTN  |         |          |
| 14.1   | [(999)] 999-9999 [X99999][C any text] | C    | 0..   | TN   |         |          |
| 14.2   | telecommunication use code            | R    | 1..1  | ID   | HL70201 |          |
| 14.3   | telecommunication equipment type (ID) | R    | 1..1  | ID   | HL70202 |          |
| 14.4   | Email address                         | O    | 0..   | ST   |         |          |
| 18     | Patient Account Number                | O    | 0..1  | CX   |         |          |
| 18.1   | ID                                    | R    | 1..1  | ST   |         |          |
| 18.4   | assigning authority                   | O    | 0..   | HD   |         |          |
| 18.4.1 | namespace ID                          | R    | 1..1  | IS   | HL70363 |          |
| 18.5   | identifier type code (ID)             | R    | 1..1  | ID   | HL70203 |          |
| 19     | SSN Number - Patient                  | O    | 0..1  | ST   |         |          |
| 23     | Birth Place                           | O    | 0..1  | ST   |         |          |

## 1. Set ID - PID

## 3. Patient Identifier List

## 5. Patient Name

## 5.8. Name Representation code

A or empty = Alphabetic, I = Ideographic and P = Phonetic

## 7. Date/Time Of Birth

### 7.1. Date/Time

YYYYMMDD

## 8. Administrative Sex

M = Male F = Female U = Unknown



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## 11. Patient Address

### 11.1.1. street or mailing address

This is used when SAD-2 (Street Name) is empty

### 11.3. city

If this is not filled in a city with code UNKNOWN will be used

### 11.4. state or province

Is always the highest region level, but there can be a lower subdividing region level for a state or province.

### 11.7. address type

At the moment O (office), H (home address) are supported.

L (Legal Address) defaults to office and the rest defaults to H (home address)

## 13. Phone Number - Home

### 13.1. [(999)] 999-9999 [X99999][C any text]

In case of telephone number/fax number/cellular number, the phone number is put in this field

### 13.2. telecommunication use code

Required. If this is empty the communication cannot be registered.

At the moment the ones supported are: Primary Residence Number (PRN), Work Number (WPN) and Network (email) Address (NET)

### 13.3. telecommunication equipment type (ID)

Required. If this is empty the communication cannot be registered.

At the moment the ones supported are: Telephone (PH), Fax (FX), Cellular Phone (CP), Internet Address (Internet)

### 13.4. Email address

In case of Network Email Address, this needs to be filled in.

## 14. Phone Number - Business

### 14.1. [(999)] 999-9999 [X99999][C any text]

In case of telephone number/fax number/cellular number, the phone number is put in this field

### 14.3. telecommunication equipment type (ID)

Required. If this is empty the communication cannot be registered.

At the moment the ones supported are: Telephone (PH), Fax (FX), Cellular Phone (CP), Internet Address (Internet)

### 14.4. Email address

In case of Network Email Address, this needs to be filled in.



**18. Patient Account Number**

**19. SSN Number - Patient**

**23. Birth Place**

## **NTE - Notes and Comments**

- Usage: Optional

- Cardinality:0..1

| Seq. | Name                            | Opt. | Card. | Type | Table   | Contents |
|------|---------------------------------|------|-------|------|---------|----------|
| 1    | Set ID - NTE                    | O    | 0..1  | SI   |         |          |
| 2    | Source of Comment               | O    | 0..1  | ID   | HL70105 |          |
| 3    | Comment                         | O    | 0..*  | FT   |         |          |
| 4    | Comment Type                    | O    | 0..1  | CE   | HL70364 |          |
| 4.3  | name of coding system           | O    | 0..   | IS   | HL70396 |          |
| 4.4  | alternate identifier            | O    | 0..   | ST   |         |          |
| 4.5  | alternate text                  | O    | 0..   | ST   |         |          |
| 4.6  | name of alternate coding system | O    | 0..   | IS   | HL70396 |          |

**1. Set ID - NTE**

**2. Source of Comment**

**3. Comment**

**4. Comment Type**

## **Segment group: VISIT**

- Usage: Optional

- Cardinality:0..1

### **PV1 - Patient visit**

- Usage: Required

- Cardinality:1..1

| Seq. | Name                      | Opt. | Card. | Type | Table   | Contents |
|------|---------------------------|------|-------|------|---------|----------|
| 1    | Set ID - PV1              | O    | 0..1  | SI   |         |          |
| 2    | Patient Class             | R    | 1..1  | IS   | HL70004 |          |
| 3    | Assigned Patient Location | O    | 0..1  | PL   |         |          |
| 3.1  | point of care             | O    | 0..   | IS   | HL70302 |          |
| 3.2  | room                      | O    | 0..   | IS   | HL70303 |          |
| 3.3  | bed                       | O    | 0..   | IS   | HL70304 |          |
| 3.4  | facility (HD)             | O    | 0..   | HD   |         |          |



| Seq.  | Name                                               | Opt. | Card. | Type | Table   | Contents |
|-------|----------------------------------------------------|------|-------|------|---------|----------|
| 3.4.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 4     | Admission Type                                     | O    | 0..1  | IS   | HL70007 |          |
| 7     | Attending Doctor                                   | O    | 0..*  | XCN  | HL70010 |          |
| 7.1   | ID number (ST)                                     | O    | 0..   | ST   |         |          |
| 7.2   | family name                                        | O    | 0..   | FN   |         |          |
| 7.2.1 | surname                                            | O    | 0..   | ST   |         |          |
| 7.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |          |
| 7.2.3 | own surname                                        | O    | 0..   | ST   |         |          |
| 7.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |          |
| 7.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |          |
| 7.3   | given name                                         | O    | 0..   | ST   |         |          |
| 7.4   | second and further given names or initials thereof | O    | 0..   | ST   |         |          |
| 7.5   | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |          |
| 7.6   | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |          |
| 7.9   | assigning authority                                | O    | 0..   | HD   |         |          |
| 7.9.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 7.9.2 | universal ID                                       | O    | 0..   | ST   |         |          |
| 7.9.3 | universal ID type                                  | O    | 0..   | ID   | HL70301 |          |
| 8     | Referring Doctor                                   | O    | 0..*  | XCN  | HL70010 |          |
| 8.1   | ID number (ST)                                     | O    | 0..   | ST   |         |          |
| 8.2   | family name                                        | O    | 0..   | FN   |         |          |
| 8.2.1 | surname                                            | O    | 0..   | ST   |         |          |
| 8.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |          |
| 8.2.3 | own surname                                        | O    | 0..   | ST   |         |          |
| 8.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |          |
| 8.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |          |
| 8.3   | given name                                         | O    | 0..   | ST   |         |          |
| 8.4   | second and further given names or initials thereof | O    | 0..   | ST   |         |          |
| 8.5   | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |          |
| 8.6   | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |          |
| 8.9   | assigning authority                                | O    | 0..   | HD   |         |          |
| 8.9.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 8.9.2 | universal ID                                       | O    | 0..   | ST   |         |          |
| 8.9.3 | universal ID type                                  | O    | 0..   | ID   | HL70301 |          |
| 10    | Hospital Service                                   | O    | 0..1  | IS   | HL70069 |          |
| 11    | Temporary Location                                 | O    | 0..1  | PL   |         |          |



| Seq.   | Name                                               | Opt. | Card. | Type | Table   | Contents                      |
|--------|----------------------------------------------------|------|-------|------|---------|-------------------------------|
| 11.1   | point of care                                      | O    | 0..   | IS   | HL70302 |                               |
| 11.2   | room                                               | O    | 0..   | IS   | HL70303 |                               |
| 11.3   | bed                                                | O    | 0..   | IS   | HL70304 |                               |
| 11.4   | facility (HD)                                      | O    | 0..   | HD   |         |                               |
| 11.4.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |                               |
| 14     | Admit Source                                       | O    | 0..1  | IS   | HL70023 |                               |
| 15     | Ambulatory Status                                  | O    | 0..*  | IS   | HL70009 |                               |
| 16     | VIP Indicator                                      | O    | 0..1  | IS   | HL70099 |                               |
| 17     | Admitting Doctor                                   | O    | 0..*  | XCN  | HL70010 |                               |
| 17.1   | ID number (ST)                                     | O    | 0..   | ST   |         |                               |
| 17.2   | family name                                        | O    | 0..   | FN   |         |                               |
| 17.2.1 | surname                                            | O    | 0..   | ST   |         |                               |
| 17.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |                               |
| 17.2.3 | own surname                                        | O    | 0..   | ST   |         |                               |
| 17.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |                               |
| 17.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |                               |
| 17.3   | given name                                         | O    | 0..   | ST   |         |                               |
| 17.4   | second and further given names or initials thereof | O    | 0..   | ST   |         |                               |
| 17.5   | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |                               |
| 17.6   | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |                               |
| 17.9   | assigning authority                                | O    | 0..   | HD   |         |                               |
| 17.9.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |                               |
| 17.9.2 | universal ID                                       | O    | 0..   | ST   |         |                               |
| 17.9.3 | universal ID type                                  | O    | 0..   | ID   | HL70301 |                               |
| 18     | Patient Type                                       | O    | 0..1  | IS   | HL70018 |                               |
| 19     | Visit Number                                       | R    | 1..1  | CX   |         |                               |
| 19.1   | ID                                                 | R    | 1..1  | ST   |         |                               |
| 19.4   | assigning authority                                | O    | 0..   | HD   |         |                               |
| 19.4.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |                               |
| 19.4.2 | universal ID                                       | O    | 0..   | ST   |         |                               |
| 19.4.3 | universal ID type                                  | O    | 0..   | ID   | HL70301 |                               |
| 44     | Admit Date/Time                                    | O    | 0..1  | TS   |         |                               |
| 44.1   | Date/Time                                          | O    | 0..   | NM   |         | e.g. 20040328134602.1234+0600 |
| 45     | Discharge Date/Time                                | O    | 0..*  | TS   |         |                               |
| 45.1   | Date/Time                                          | O    | 0..   | NM   |         | e.g. 20040328134602.1234+0600 |



1. Set ID - PV1

2. Patient Class

3. Assigned Patient Location

4. Admission Type

7. Attending Doctor

8. Referring Doctor

10. Hospital Service

11. Temporary Location

14. Admit Source

15. Ambulatory Status

16. VIP Indicator

17. Admitting Doctor

18. Patient Type

44.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+- ZZZZ]

45. Discharge Date/Time

45.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+- ZZZZ]

*End of segment group VISIT*

*End of segment group PATIENT*

## **Segment group: ORDER OBSERVATION**

- Usage: Required
- Cardinality:1..\*

## **ORC**

- Usage: Required
- Cardinality:1..1

| Seq. | Name                | Opt. | Card. | Type | Table   | Contents |
|------|---------------------|------|-------|------|---------|----------|
| 1    | Order Control       | R    | 1..1  | ID   | HL70119 |          |
| 2    | Placer Order Number | R    | 1..1  | EI   |         |          |



| Seq.    | Name                                               | Opt. | Card. | Type | Table   | Contents                 |
|---------|----------------------------------------------------|------|-------|------|---------|--------------------------|
| 2.1     | entity identifier                                  | R    | 1..1  | ST   |         |                          |
| 2.2     | namespace ID                                       | O    | 0..   | IS   | HL70363 |                          |
| 3       | Filler Order Number                                | R    | 1..1  | EI   |         |                          |
| 3.1     | entity identifier                                  | R    | 1..1  | ST   |         |                          |
| 3.2     | namespace ID                                       | O    | 0..   | IS   | HL70363 |                          |
| 5       | Order Status                                       | O    | 0..1  | ID   | HL70038 |                          |
| 7       | Quantity/Timing                                    | O    | 0..*  | TQ   |         |                          |
| 7.4     | start date/time                                    | O    | 0..   | TS   |         |                          |
| 7.4.1   | Date/Time                                          | R    | 1..1  | NM   |         | e.g. 20040328134602+0600 |
| 7.5     | end date/time                                      | O    | 0..   | TS   |         |                          |
| 7.5.1   | Date/Time                                          | R    | 1..1  | NM   |         | e.g. 20040328134602+0600 |
| 7.6     | priority                                           | O    | 0..   | ST   |         |                          |
| 10      | Entered By                                         | O    | 0..1  | XCN  |         |                          |
| 10.1    | ID number (ST)                                     | O    | 0..   | ST   |         |                          |
| 10.2    | family name                                        | O    | 0..   | FN   |         |                          |
| 10.2.1  | surname                                            | O    | 0..   | ST   |         |                          |
| 10.2.2  | own surname prefix                                 | O    | 0..   | ST   |         |                          |
| 10.2.3  | own surname                                        | O    | 0..   | ST   |         |                          |
| 10.2.4  | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |                          |
| 10.2.5  | surname from partner/spouse                        | O    | 0..   | ST   |         |                          |
| 10.3    | given name                                         | O    | 0..   | ST   |         |                          |
| 10.4    | second and further given names or initials thereof | O    | 0..   | ST   |         |                          |
| 10.5    | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |                          |
| 10.6    | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |                          |
| 10.7    | degree (e.g., MD)                                  | O    | 0..   | IS   | HL70360 |                          |
| 10.8    | source table                                       | O    | 0..   | IS   | HL70297 |                          |
| 10.9    | assigning authority                                | O    | 0..   | HD   |         |                          |
| 10.9.1  | namespace ID                                       | O    | 0..   | IS   | HL70363 |                          |
| 10.9.2  | universal ID                                       | O    | 0..   | ST   |         |                          |
| 10.9.3  | universal ID type                                  | O    | 0..   | ID   | HL70301 |                          |
| 10.10   | name type code                                     | O    | 0..   | ID   | HL70200 |                          |
| 10.11   | identifier check digit                             | O    | 0..   | ST   |         |                          |
| 10.12   | code identifying the check digit scheme employed   | O    | 0..   | ID   | HL70061 |                          |
| 10.13   | identifier type code (IS)                          | O    | 0..   | IS   |         |                          |
| 10.14   | assigning facility                                 | O    | 0..   | HD   |         |                          |
| 10.14.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |                          |



| Seq.    | Name                                             | Opt. | Card. | Type | Table   | Contents |
|---------|--------------------------------------------------|------|-------|------|---------|----------|
| 10.14.2 | universal ID                                     | O    | 0..   | ST   |         |          |
| 10.14.3 | universal ID type                                | O    | 0..   | ID   | HL70301 |          |
| 10.15   | Name Representation code                         | O    | 0..   | ID   | HL70465 |          |
| 10.16   | name context                                     | O    | 0..   | CE   | HL70448 |          |
| 10.16.1 | identifier                                       | O    | 0..   | ST   |         |          |
| 10.16.2 | text                                             | O    | 0..   | ST   |         |          |
| 10.16.3 | name of coding system                            | O    | 0..   | IS   | HL70396 |          |
| 10.16.4 | alternate identifier                             | O    | 0..   | ST   |         |          |
| 10.16.5 | alternate text                                   | O    | 0..   | ST   |         |          |
| 10.16.6 | name of alternate coding system                  | O    | 0..   | IS   | HL70396 |          |
| 10.17   | name validity range                              | O    | 0..   | DR   |         |          |
| 10.17.1 | range start date/time                            | O    | 0..   | TS   |         |          |
| 10.17.2 | range end date/time                              | O    | 0..   | TS   |         |          |
| 10.18   | name assembly order                              | O    | 0..   | ID   | HL70444 |          |
| 12      | Ordering Provider                                | O    | 0..1  | XCN  |         |          |
| 12.1    | ID number (ST)                                   | C    | 0..   | ST   |         |          |
| 12.2    | family name                                      | O    | 0..   | FN   |         |          |
| 12.2.1  | surname                                          | O    | 0..   | ST   |         |          |
| 12.3    | given name                                       | O    | 0..   | ST   |         |          |
| 17      | Entering Organization                            | O    | 0..1  | CE   |         |          |
| 17.1    | identifier                                       | R    | 1..1  | ST   |         |          |
| 17.2    | text                                             | O    | 0..   | ST   |         |          |
| 17.3    | name of coding system                            | O    | 0..   | IS   | HL70396 |          |
| 21      | Ordering Facility Name                           | O    | 0..*  | XON  |         |          |
| 21.1    | organization name                                | O    | 0..   | ST   |         |          |
| 21.2    | organization name type code                      | O    | 0..   | IS   | HL70204 |          |
| 21.3    | ID number (NM)                                   | R    | 1..1  | NM   |         |          |
| 21.4    | check digit                                      | O    | 0..   | NM   |         |          |
| 21.5    | code identifying the check digit scheme employed | O    | 0..   | ID   | HL70061 |          |
| 21.6    | assigning authority                              | O    | 0..   | HD   |         |          |
| 21.6.1  | namespace ID                                     | R    | 1..1  | IS   | HL70363 |          |
| 21.7    | identifier type code (IS)                        | O    | 0..   | IS   |         |          |
| 21.8    | assigning facility ID                            | O    | 0..   | HD   | HL70300 |          |
| 21.8.1  | namespace ID                                     | O    | 0..   | IS   | HL70363 |          |
| 21.8.2  | universal ID                                     | O    | 0..   | ST   |         |          |
| 21.8.3  | universal ID type                                | O    | 0..   | ID   | HL70301 |          |



| Seq. | Name                     | Opt. | Card. | Type | Table   | Contents |
|------|--------------------------|------|-------|------|---------|----------|
| 21.9 | Name Representation code | O    | 0..   | ID   | HL70465 |          |

### 1. Order Control

Fixed value: SC (Status changed)

### 2. Placer Order Number

### 3. Filler Order Number

### 3.2. namespace ID

If empty, the default assigning authority will be taken.

### 5. Order Status

Supported: IP (In Progress), CM (Completed), DC (Discontinued), CA (Cancelled), SC (Scheduled)

### 7. Quantity/Timing

Identical to the Quantity/Timing in OBR-Segment

#### 7.4.1. Date/Time

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

#### 7.5.1. Date/Time

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

### 7.6. priority

Supported: A (ASAP), R (Routine), PRN (As needed)

### 10. Entered By

### 12. Ordering Provider

#### 12.1. ID number (ST)

the default identifier of the ordering provider

### 17. Entering Organization

#### 17.2. text

If empty, the identifier will be taken as name.

#### 17.3. name of coding system

If empty, the default requesting department will be taken

### 21. Ordering Facility Name

#### 21.1. organization name

If empty, the identifier of the requesting facility will be taken as name.



## 21.6. assigning authority

If empty, the default assigning authority will be taken.

### OBR

- Usage: Required
- Cardinality:1..1

| Seq.   | Name                            | Opt. | Card. | Type | Table   | Contents                 |
|--------|---------------------------------|------|-------|------|---------|--------------------------|
| 1      | Set ID - OBR                    | R    | 1..1  | SI   |         |                          |
| 2      | Placer Order Number             | R    | 1..1  | EI   |         |                          |
| 2.1    | entity identifier               | R    | 1..1  | ST   |         |                          |
| 2.2    | namespace ID                    | O    | 0..   | IS   | HL70363 |                          |
| 2.3    | universal ID                    | O    | 0..   | ST   |         |                          |
| 2.4    | universal ID type               | O    | 0..   | ID   | HL70301 |                          |
| 3      | Filler Order Number             | R    | 1..1  | EI   |         |                          |
| 3.1    | entity identifier               | R    | 1..1  | ST   |         |                          |
| 3.2    | namespace ID                    | O    | 0..   | IS   | HL70363 |                          |
| 3.3    | universal ID                    | O    | 0..   | ST   |         |                          |
| 3.4    | universal ID type               | O    | 0..   | ID   | HL70301 |                          |
| 4      | Universal Service Identifier    | R    | 1..1  | CE   |         |                          |
| 4.1    | identifier                      | R    | 1..1  | ST   |         |                          |
| 4.2    | text                            | O    | 0..   | ST   |         |                          |
| 4.3    | name of coding system           | O    | 0..   | IS   | HL70396 |                          |
| 4.4    | alternate identifier            | R    | 1..1  | ST   |         |                          |
| 4.5    | alternate text                  | O    | 0..   | ST   |         |                          |
| 4.6    | name of alternate coding system | O    | 0..   | IS   | HL70396 |                          |
| 5      | Priority                        | O    | 0..1  | ID   |         |                          |
| 6      | Requested Date/Time             | O    | 0..1  | TS   |         |                          |
| 6.1    | Date/Time                       | O    | 0..   | NM   |         | e.g. 20040328134602+0600 |
| 7      | Observation Date/Time #         | O    | 0..1  | TS   |         |                          |
| 7.1    | Date/Time                       | R    | 1..1  | NM   |         | e.g. 20040328134602+0600 |
| 13     | Relevant Clinical Info.         | O    | 0..1  | ST   |         |                          |
| 16     | Ordering Provider               | O    | 0..1  | XCN  |         |                          |
| 16.1   | ID number (ST)                  | O    | 0..   | ST   |         |                          |
| 16.2   | family name                     | O    | 0..   | FN   |         |                          |
| 16.2.1 | surname                         | O    | 0..   | ST   |         |                          |
| 16.3   | given name                      | O    | 0..   | ST   |         |                          |
| 18     | Placer Field 1                  | R    | 1..1  | ST   |         |                          |
| 19     | Placer Field 2                  | R    | 1..1  | ST   |         |                          |



| Seq.     | Name                                   | Opt. | Card. | Type   | Table   | Contents                 |
|----------|----------------------------------------|------|-------|--------|---------|--------------------------|
| 20       | Filler Field 1 +                       | R    | 1..1  | ST     |         |                          |
| 24       | Diagnostic Serv Sect ID                | O    | 0..1  | ID     | HL70074 |                          |
| 25       | Result Status +                        | R    | 1..1  | ID     | HL70123 |                          |
| 27       | Quantity/Timing                        | O    | 0..*  | TQ     |         |                          |
| 27.1     | quantity                               | O    | 0..   | CQ     |         |                          |
| 27.1.1   | quantity                               | O    | 0..   | NM     |         |                          |
| 27.1.2   | units                                  | O    | 0..   | CE     |         |                          |
| 27.2     | interval                               | O    | 0..   | CM_RI  |         |                          |
| 27.2.1   | repeat pattern                         | O    | 0..   | IS     | HL70335 |                          |
| 27.2.2   | explicit time interval                 | O    | 0..   | ST     |         |                          |
| 27.3     | duration                               | O    | 0..   | ST     |         |                          |
| 27.4     | start date/time                        | O    | 0..   | TS     |         |                          |
| 27.4.1   | Date/Time                              | R    | 1..1  | NM     |         | e.g. 20040328134602+0600 |
| 27.5     | end date/time                          | O    | 0..   | TS     |         |                          |
| 27.5.1   | Date/Time                              | R    | 1..1  | NM     |         | e.g. 20040328134602+0600 |
| 27.6     | priority                               | O    | 0..   | ST     |         |                          |
| 27.7     | condition                              | O    | 0..   | ST     |         |                          |
| 27.8     | text (TX)                              | O    | 0..   | TX     |         |                          |
| 27.9     | conjunction component                  | O    | 0..   | ID     | HL70472 |                          |
| 27.10    | order sequencing                       | O    | 0..   | CM_OSD |         |                          |
| 27.10.1  | sequence/results flag                  | O    | 0..   | ID     |         |                          |
| 27.10.2  | placer order number: entity identifier | O    | 0..   | ST     |         |                          |
| 27.10.3  | placer order number: namespace ID      | O    | 0..   | IS     |         |                          |
| 27.10.4  | filler order number: entity identifier | O    | 0..   | ST     |         |                          |
| 27.10.5  | filler order number: namespace ID      | O    | 0..   | IS     |         |                          |
| 27.10.6  | sequence condition value               | O    | 0..   | ID     |         |                          |
| 27.10.7  | maximum number of repeats              | O    | 0..   | NM     |         |                          |
| 27.10.8  | placer order number: universal ID      | O    | 0..   | ST     |         |                          |
| 27.10.9  | placer order number; universal ID type | O    | 0..   | ID     |         |                          |
| 27.10.10 | filler order number: universal ID      | O    | 0..   | ST     |         |                          |
| 27.10.11 | filler order number: universal ID type | O    | 0..   | ID     |         |                          |
| 27.11    | occurrence duration                    | O    | 0..   | CE     |         |                          |
| 27.11.1  | identifier                             | O    | 0..   | ST     |         |                          |
| 27.11.2  | text                                   | O    | 0..   | ST     |         |                          |
| 27.11.3  | name of coding system                  | O    | 0..   | IS     | HL70396 |                          |
| 27.11.4  | alternate identifier                   | O    | 0..   | ST     |         |                          |
| 27.11.5  | alternate text                         | O    | 0..   | ST     |         |                          |



| Seq.    | Name                                               | Opt. | Card. | Type   | Table   | Contents |
|---------|----------------------------------------------------|------|-------|--------|---------|----------|
| 27.11.6 | name of alternate coding system                    | O    | 0..   | IS     | HL70396 |          |
| 27.12   | total occurrences                                  | O    | 0..   | NM     |         |          |
| 31      | Reason for Study                                   | O    | 0..2  | CE     |         |          |
| 31.1    | identifier                                         | O    | 0..   | ST     |         |          |
| 31.2    | text                                               | O    | 0..   | ST     |         |          |
| 31.3    | name of coding system                              | O    | 0..   | IS     | HL70396 |          |
| 31.4    | alternate identifier                               | O    | 0..   | ST     |         |          |
| 31.5    | alternate text                                     | O    | 0..   | ST     |         |          |
| 31.6    | name of alternate coding system                    | O    | 0..   | IS     | HL70396 |          |
| 32      | Principal Result Interpreter +                     | O    | 0..1  | CM_NDL |         |          |
| 32.1    | name                                               | O    | 0..   | CN     |         |          |
| 32.1.1  | ID number (ST)                                     | O    | 0..   | ST     |         |          |
| 32.1.2  | family name                                        | O    | 0..   | FN     |         |          |
| 32.1.3  | given name                                         | O    | 0..   | ST     |         |          |
| 32.1.4  | second and further given names or initials thereof | B    | ..    | ST     |         |          |
| 32.4    | point of care (IS)                                 | O    | 0..   | IS     |         |          |
| 32.5    | room                                               | O    | 0..   | IS     | HL70303 |          |
| 32.6    | bed                                                | O    | 0..   | IS     | HL70304 |          |
| 32.7    | facility (HD)                                      | O    | 0..   | HD     |         |          |
| 32.7.1  | namespace ID                                       | O    | 0..   | IS     | HL70363 |          |
| 32.7.2  | universal ID                                       | O    | 0..   | ST     |         |          |
| 32.7.3  | universal ID type                                  | O    | 0..   | ID     | HL70301 |          |
| 32.8    | location status                                    | O    | 0..   | IS     | HL70306 |          |
| 32.9    | person location type                               | O    | 0..   | IS     | HL70305 |          |
| 32.10   | building                                           | O    | 0..   | IS     | HL70307 |          |
| 32.11   | floor                                              | O    | 0..   | IS     | HL70308 |          |
| 33      | Assistant Result Interpreter +                     | O    | 0..*  | CM_NDL |         |          |
| 33.1    | name                                               | O    | 0..   | CN     |         |          |
| 33.1.1  | ID number (ST)                                     | O    | 0..   | ST     |         |          |
| 33.1.2  | family name                                        | O    | 0..   | FN     |         |          |
| 33.1.3  | given name                                         | O    | 0..   | ST     |         |          |
| 33.10   | building                                           | B    | ..    | IS     | HL70307 |          |
| 35      | Transcriptionist +                                 | O    | 0..1  | CM_NDL |         |          |
| 35.1    | name                                               | O    | 0..   | CN     |         |          |
| 35.1.1  | ID number (ST)                                     | O    | 0..   | ST     |         |          |
| 35.1.2  | family name                                        | O    | 0..   | FN     |         |          |



| Seq.   | Name                                    | Opt. | Card. | Type | Table   | Contents                      |
|--------|-----------------------------------------|------|-------|------|---------|-------------------------------|
| 35.1.3 | given name                              | O    | 0..   | ST   |         |                               |
| 35.2   | start date/time                         | O    | 0..   | TS   |         |                               |
| 35.2.1 | Date/Time                               | R    | 1..1  | NM   |         | e.g. 20040328134602.1234+0600 |
| 35.3   | end date/time                           | O    | 0..   | TS   |         |                               |
| 35.3.1 | Date/Time                               | R    | 1..1  | NM   |         | e.g. 20040328134602.1234+0600 |
| 35.4   | point of care (IS)                      | O    | 0..   | IS   |         |                               |
| 35.5   | room                                    | O    | 0..   | IS   | HL70303 |                               |
| 35.6   | bed                                     | O    | 0..   | IS   | HL70304 |                               |
| 35.7   | facility (HD)                           | O    | 0..   | HD   |         |                               |
| 35.7.1 | namespace ID                            | O    | 0..   | IS   | HL70363 |                               |
| 35.7.2 | universal ID                            | O    | 0..   | ST   |         |                               |
| 35.7.3 | universal ID type                       | O    | 0..   | ID   | HL70301 |                               |
| 35.8   | location status                         | O    | 0..   | IS   | HL70306 |                               |
| 35.9   | person location type                    | O    | 0..   | IS   | HL70305 |                               |
| 35.10  | building                                | O    | 0..   | IS   | HL70307 |                               |
| 35.11  | floor                                   | O    | 0..   | IS   | HL70308 |                               |
| 47     | Filler Supplemental Service Information | O    | 0..1  | CE   | HL70411 |                               |

## 1. Set ID - OBR

## 2. Placer Order Number

Identical to ORC-2

## 3. Filler Order Number

Identical to ORC-3

## 4. Universal Service Identifier

## 5. Priority

Supported: A (ASAP), R (Routine), PRN (As needed)

## 6. Requested Date/Time

### 6.1. Date/Time

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

## 7. Observation Date/Time #

### 7.1. Date/Time

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used



---

### 13. Relevant Clinical Info.

#### 16. Ordering Provider

same as ORC-12

##### 16.1. ID number (ST)

the default identifier of the ordering provider

#### 18. Placer Field 1

#### 19. Placer Field 2

#### 20. Filler Field 1 +

#### 24. Diagnostic Serv Sect ID

#### 25. Result Status +

Supported: F (final), P (Preliminary), C (Correction), D (Deleted)

#### 27. Quantity/Timing

Identical to ORC-7

##### 27.4.1. Date/Time

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

##### 27.5.1. Date/Time

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used

##### 27.6. priority

Supported: A (ASAP), R (Routine), PRN (As needed)

#### 31. Reason for Study

#### 32. Principal Result Interpreter +

The segment contains:

- the validator when the report is final
- the author when the report is preliminary

##### 32.1.1. ID number (ST)

The default identifier of the principal result interpreter

#### 33. Assistant Result Interpreter +

This segment contains:

- every contributor when preliminary report
- the author (when different from validator) and every contributor when final report



### 33.1.1. ID number (ST)

the default identifier of the assistant result interpreter

## 35. Transcriptionist +

### 35.1.1. ID number (ST)

the default identifier of the transcriptionist

### 35.2.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+-ZZZZ]

### 35.3.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+-ZZZZ]

## 47. Filler Supplemental Service Information

## ZDS

- Usage: Optional
- Cardinality:0..1

| Seq. | Name              | Opt. | Card. | Type | Table | Contents         |
|------|-------------------|------|-------|------|-------|------------------|
| 1    | Reference Pointer | R    | 1..1  | ST   |       |                  |
| 2    | Application ID    | O    | 0..1  | ST   |       | e.g. AGILITY     |
| 3    | Type of Data      | O    | 0..1  | ST   |       | e.g. Application |
| 4    | Subtype           | O    | 0..1  | ST   |       | e.g. DICOM       |

### 1. Reference Pointer

the Agility Study instance UID

### 2. Application ID

fixed value == AGILITY

### 3. Type of Data

fixed value == Application

### 4. Subtype

fixed value == DICOM

## DG1 - Diagnosis

- Usage: Optional
- Cardinality:0..\*

| Seq. | Name                    | Opt. | Card. | Type | Table   | Contents |
|------|-------------------------|------|-------|------|---------|----------|
| 1    | Set ID - DG1            | R    | 1..1  | SI   |         |          |
| 2    | Diagnosis Coding Method | O    | 0..1  | ID   | HL70053 |          |
| 3    | Diagnosis Code - DG1    | R    | 1..1  | CE   | HL70051 |          |



| Seq.   | Name                            | Opt. | Card. | Type | Table   | Contents                 |
|--------|---------------------------------|------|-------|------|---------|--------------------------|
| 3.1    | identifier                      | R    | 1..1  | ST   |         |                          |
| 3.2    | text                            | R    | 1..1  | ST   |         |                          |
| 3.3    | name of coding system           | R    | 1..1  | IS   | HL70396 |                          |
| 3.4    | alternate identifier            | R    | 1..1  | ST   |         |                          |
| 3.5    | alternate text                  | O    | 0..   | ST   |         |                          |
| 3.6    | name of alternate coding system | O    | 0..   | IS   | HL70396 |                          |
| 4      | Diagnosis Description           | B    | 0..*  | ST   |         |                          |
| 5      | Diagnosis Date/Time             | R    | 1..1  | TS   |         |                          |
| 5.1    | Date/Time                       | R    | 1..1  | NM   |         | e.g. 20040328134602+0600 |
| 6      | Diagnosis Type                  | R    | 1..1  | IS   | HL70052 |                          |
| 7      | Major Diagnostic Category       | B    | 0..*  | CE   | HL70118 |                          |
| 7.1    | identifier                      | O    | 0..   | ST   |         |                          |
| 7.2    | text                            | O    | 0..   | ST   |         |                          |
| 7.3    | name of coding system           | O    | 0..   | IS   | HL70396 |                          |
| 7.4    | alternate identifier            | O    | 0..   | ST   |         |                          |
| 7.5    | alternate text                  | O    | 0..   | ST   |         |                          |
| 7.6    | name of alternate coding system | O    | 0..   | IS   | HL70396 |                          |
| 8      | Diagnostic Related Group        | B    | 0..*  | CE   | HL70055 |                          |
| 8.1    | identifier                      | O    | 0..   | ST   |         |                          |
| 8.2    | text                            | O    | 0..   | ST   |         |                          |
| 8.3    | name of coding system           | O    | 0..   | IS   | HL70396 |                          |
| 8.4    | alternate identifier            | O    | 0..   | ST   |         |                          |
| 8.5    | alternate text                  | O    | 0..   | ST   |         |                          |
| 8.6    | name of alternate coding system | O    | 0..   | IS   | HL70396 |                          |
| 9      | DRG Approval Indicator          | B    | 0..*  | ID   | HL70136 |                          |
| 10     | DRG Grouper Review Code         | B    | 0..*  | IS   | HL70056 |                          |
| 11     | Outlier Type                    | B    | 0..*  | CE   | HL70083 |                          |
| 11.1   | identifier                      | O    | 0..   | ST   |         |                          |
| 11.2   | text                            | O    | 0..   | ST   |         |                          |
| 11.3   | name of coding system           | O    | 0..   | IS   | HL70396 |                          |
| 11.4   | alternate identifier            | O    | 0..   | ST   |         |                          |
| 11.5   | alternate text                  | O    | 0..   | ST   |         |                          |
| 11.6   | name of alternate coding system | O    | 0..   | IS   | HL70396 |                          |
| 12     | Outlier Days                    | B    | 0..*  | NM   |         |                          |
| 13     | Outlier Cost                    | B    | 0..*  | CP   |         |                          |
| 13.1   | price                           | O    | 0..   | MO   |         |                          |
| 13.1.1 | quantity                        | O    | 0..   | NM   |         |                          |



| Seq.   | Name                                               | Opt. | Card. | Type | Table   | Contents |
|--------|----------------------------------------------------|------|-------|------|---------|----------|
| 13.1.2 | denomination                                       | O    | 0..   | ID   |         |          |
| 13.2   | price type                                         | O    | 0..   | ID   | HL70205 |          |
| 13.3   | from value                                         | O    | 0..   | NM   |         |          |
| 13.4   | to value                                           | O    | 0..   | NM   |         |          |
| 13.5   | range units                                        | O    | 0..   | CE   |         |          |
| 13.5.1 | identifier                                         | O    | 0..   | ST   |         |          |
| 13.5.2 | text                                               | O    | 0..   | ST   |         |          |
| 13.5.3 | name of coding system                              | O    | 0..   | IS   | HL70396 |          |
| 13.5.4 | alternate identifier                               | O    | 0..   | ST   |         |          |
| 13.5.5 | alternate text                                     | O    | 0..   | ST   |         |          |
| 13.5.6 | name of alternate coding system                    | O    | 0..   | IS   | HL70396 |          |
| 13.6   | range type                                         | O    | 0..   | ID   | HL70298 |          |
| 14     | Grouper Version And Type                           | B    | 0..*  | ST   |         |          |
| 15     | Diagnosis Priority                                 | O    | 0..1  | ID   | HL70359 |          |
| 16     | Diagnosing Clinician                               | O    | 0..*  | XCN  |         |          |
| 16.1   | ID number (ST)                                     | O    | 0..   | ST   |         |          |
| 16.2   | family name                                        | O    | 0..   | FN   |         |          |
| 16.2.1 | surname                                            | O    | 0..   | ST   |         |          |
| 16.2.2 | own surname prefix                                 | O    | 0..   | ST   |         |          |
| 16.2.3 | own surname                                        | O    | 0..   | ST   |         |          |
| 16.2.4 | surname prefix from partner/spouse                 | O    | 0..   | ST   |         |          |
| 16.2.5 | surname from partner/spouse                        | O    | 0..   | ST   |         |          |
| 16.3   | given name                                         | O    | 0..   | ST   |         |          |
| 16.4   | second and further given names or initials thereof | O    | 0..   | ST   |         |          |
| 16.5   | suffix (e.g., JR or III)                           | O    | 0..   | ST   |         |          |
| 16.6   | prefix (e.g., DR)                                  | O    | 0..   | ST   |         |          |
| 16.7   | degree (e.g., MD)                                  | O    | 0..   | IS   | HL70360 |          |
| 16.8   | source table                                       | O    | 0..   | IS   | HL70297 |          |
| 16.9   | assigning authority                                | O    | 0..   | HD   |         |          |
| 16.9.1 | namespace ID                                       | O    | 0..   | IS   | HL70363 |          |
| 16.9.2 | universal ID                                       | O    | 0..   | ST   |         |          |
| 16.9.3 | universal ID type                                  | O    | 0..   | ID   | HL70301 |          |
| 16.10  | name type code                                     | O    | 0..   | ID   | HL70200 |          |
| 16.11  | identifier check digit                             | O    | 0..   | ST   |         |          |
| 16.12  | code identifying the check digit scheme employed   | O    | 0..   | ID   | HL70061 |          |
| 16.13  | identifier type code (IS)                          | O    | 0..   | IS   |         |          |



| Seq.    | Name                            | Opt. | Card. | Type | Table   | Contents                      |
|---------|---------------------------------|------|-------|------|---------|-------------------------------|
| 16.14   | assigning facility              | O    | 0..   | HD   |         |                               |
| 16.14.1 | namespace ID                    | O    | 0..   | IS   | HL70363 |                               |
| 16.14.2 | universal ID                    | O    | 0..   | ST   |         |                               |
| 16.14.3 | universal ID type               | O    | 0..   | ID   | HL70301 |                               |
| 16.15   | Name Representation code        | O    | 0..   | ID   | HL70465 |                               |
| 16.16   | name context                    | O    | 0..   | CE   | HL70448 |                               |
| 16.16.1 | identifier                      | O    | 0..   | ST   |         |                               |
| 16.16.2 | text                            | O    | 0..   | ST   |         |                               |
| 16.16.3 | name of coding system           | O    | 0..   | IS   | HL70396 |                               |
| 16.16.4 | alternate identifier            | O    | 0..   | ST   |         |                               |
| 16.16.5 | alternate text                  | O    | 0..   | ST   |         |                               |
| 16.16.6 | name of alternate coding system | O    | 0..   | IS   | HL70396 |                               |
| 16.17   | name validity range             | O    | 0..   | DR   |         |                               |
| 16.17.1 | range start date/time           | O    | 0..   | TS   |         |                               |
| 16.17.2 | range end date/time             | O    | 0..   | TS   |         |                               |
| 16.18   | name assembly order             | O    | 0..   | ID   | HL70444 |                               |
| 17      | Diagnosis Classification        | O    | 0..1  | IS   | HL70228 |                               |
| 18      | Confidential Indicator          | O    | 0..1  | ID   | HL70136 |                               |
| 19      | Attestation Date/Time           | O    | 0..1  | TS   |         |                               |
| 19.1    | Date/Time                       | R    | 1..1  | NM   |         | e.g. 20040328134602.1234+0600 |

## 1. Set ID - DG1

## 2. Diagnosis Coding Method

## 3. Diagnosis Code - DG1

## 4. Diagnosis Description

## 5. Diagnosis Date/Time

### 5.1. Date/Time

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+/-ZZZZ] is used otherwise YYYYMMDD[HHHMM [SS]] is used



## 6. Diagnosis Type

## 7. Major Diagnostic Category

## 8. Diagnostic Related Group

## 9. DRG Approval Indicator

## 10. DRG Grouper Review Code

## 11. Outlier Type

## 12. Outlier Days

## 13. Outlier Cost

## 14. Grouper Version And Type

## 15. Diagnosis Priority

## 16. Diagnosing Clinician

## 17. Diagnosis Classification

## 18. Confidential Indicator

## 19. Attestation Date/Time

### 19.1. Date/Time

YYYYMMDD[HHMM[SS[.SSSS]]][+- ZZZZ]

## Segment group: OBSERVATION - PATIENT RESULT.ORDER OBSERVATION.OBSERVATION

- Usage: Optional
- Cardinality:0..\*
- Implementation note: Segment that repeats for every line in the report and addenda ONLY in the last ORDER\_OBSERVATION will there be an OBSERVATION segment

## OBX - Observation/Result

- Usage: Required
- Cardinality:1..1

| Seq. | Name                   | Opt. | Card. | Type | Table   | Contents |
|------|------------------------|------|-------|------|---------|----------|
| 1    | Set ID - OBX           | O    | 0..1  | SI   |         |          |
| 2    | Value Type             | O    | 0..1  | ID   | HL70125 | e.g. FT  |
| 3    | Observation Identifier | R    | 1..1  | CE   |         |          |
| 3.1  | identifier             | R    | 1..1  | ST   |         |          |
| 3.2  | text                   | O    | 0..   | ST   |         |          |



| Seq.   | Name                         | Opt. | Card. | Type | Table   | Contents                 |
|--------|------------------------------|------|-------|------|---------|--------------------------|
| 3.3    | name of coding system        | O    | 0..   | IS   | HL70396 |                          |
| 3.4    | alternate identifier         | O    | 0..   | ST   |         |                          |
| 4      | Observation Sub-Id           | R    | 1..1  | ST   |         |                          |
| 5      | Observation Value            | O    | 0..1  | *    |         |                          |
| 11     | Observation Result Status    | R    | 1..1  | ID   | HL70085 | e.g. F                   |
| 14     | Date/Time of the Observation | O    | 0..1  | TS   |         |                          |
| 14.1   | Date/Time                    | R    | 1..1  | NM   |         | e.g. 20040328134602+0600 |
| 16     | Responsible Observer         | O    | 0..1  | XCN  |         |                          |
| 16.1   | ID number (ST)               | O    | 0..   | ST   |         |                          |
| 16.2   | family name                  | O    | 0..   | FN   |         |                          |
| 16.2.1 | surname                      | O    | 0..   | ST   |         |                          |
| 16.3   | given name                   | O    | 0..   | ST   |         |                          |

### 1. Set ID - OBX

The sequence number

### 2. Value Type

Formatted text (FT) for report content

Reference Pointer (RP) for attachments

### 3. Observation Identifier

#### 3.1. identifier

For FT: The procedure definition code followed by either '&ADT' for addenda of the report and '&GDT' for every other type or report

For RP: attachment code

#### 3.2. text

For FT: The name of the procedure definition

For RP: attachment description

#### 3.3. name of coding system

fixed value == AGILITY

#### 3.4. alternate identifier

For RP: accession number where attachment belongs to. In case of order/patient level attachment, this will be empty

### 4. Observation Sub-Id

for FT: the name of the section of the report or addenda

for RP: unique key identifying a specific attachment (primary key of attachment)

### 5. Observation Value

For FT: the content of the section line



---

For RP, datatype is ST: the reference pointer to the attachment (taking into account the value from the 'attachment path' parameter on the pipeline fa\_ade)

#### **11. Observation Result Status**

For FT Supported: F (final), P (Preliminary), C (Correction), D (Deleted)

For RP: Fixed value O

#### **14. Date/Time of the Observation**

The date of the observation

##### **14.1. Date/Time**

If Agility is configured to send timezone information, datetime format

YYYYMMDD[HHHMM[SS]][+Z] is used otherwise YYYYMMDD[HHHMM [SS]] is used

#### **16. Responsible Observer**

This segment contains:

In case the OBX-segment contains report content:

- the author when the report is preliminary
- the validator when the report is final

In case the OBX-segment contains addendum content:

- the author of this particular addendum content when this addendum is preliminary
- the validator of this particular addendum content when this addendum is final

##### **16.1. ID number (ST)**

The default identifier of the responsible observer

***End of segment group OBSERVATION***

***End of segment group ORDER\_OBSERVATION***

***End of segment group PATIENT\_RESULT***