
HL7 Conformance Profile

ORU

Copyright notice:

Copyright 2014 AGFA HealthCare
All rights reserved

Agfa, the Agfa rhombus, Point of Knowledge, and See More. Do More, ... (other trademarks) are trademarks of Agfa Gevaert N.V., Belgium or its affiliates. All other trademarks are held by their respective owners and are used in an editorial fashion with no intention of infringement.

The data in this publication are for illustration purposes only and do not necessarily represent standards or specifications which must be met by Agfa. All information contained herein is intended for guidance purposes only, and characteristics of the products described in this publication can be changed at any time without notice.

Products may not be available for your local area. Please contact your local sales representative for availability information.

Agfa diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

Publication date:

January, 2014

Corporate address:

AGFA HealthCare
SEPTESTAAT 27
B-2640 MORTSEL
BELGIUM
+32(3)4448400

Conformance parameters

Message Profile

- Profile Type: Constraining
- Topics: conftsig---profile-accNE_accAL-Deferred

Encoding Method

ER7

Interaction 1

Dynamic Definition

- Accept Acknowledgement: NE
- Application Acknowledgement: NE
- Acknowledgement Mode: Immediate

Static Definition

- Event Description: ORU/ACK - Unsolicited transmission of an observation message
- Message Type: ORU
- Trigger Event: R01
- Message Structure: ORU_R01
- Topics: confsig---static-ORU-R01-null-ORU_R01-2005.1.4--Sender

Message structure

MSH { [PID [PV1]] { [ORC] { OBR [OBX] } { [NTE] } } }

MSH - Message Header

- Usage: Required
- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Field Separator	ST		1	R	1..1	e.g.
2	Encoding Characters	ST		4	R	1..1	e.g. ^~\&
3	Sending Application	HD	HL70361	227	O	0..1	
3.1	namespace ID	IS	HL70363	30	O	..	e.g. QDOC
4	Sending Facility	HD	HL70362	227	O	0..1	
4.1	namespace ID	IS	HL70363	30	O	..	e.g. AGFA
5	Receiving Application	HD	HL70361	227	O	0..1	
5.1	namespace ID	IS	HL70363	30	O	..	e.g. XXXX
6	Receiving Facility	HD	HL70362	227	O	0..1	
6.1	namespace ID	IS	HL70363	30	O	..	e.g. XXXX
7	Date/Time Of Message	TS		26	O	0..1	
7.1	Date/Time	NM		14	R	..	e.g. 20050825150108
9	Message Type	CM_MSG	HL70076	15	O	0..1	
9.1	message type	ID	HL70076	3	O	..	e.g. ORU
9.2	trigger event	ID	HL70003	3	O	..	e.g. R01
9.3	message structure	ID	HL70354	7	O	..	e.g. ORU_R01
10	Message Control ID	ST		3	O	0..1	e.g. 211

3.1. namespace ID

parameter: 'MSH_SendingApplic', default: 'QDOC'

4.1. namespace ID

parameter: 'MSH_SendingFacility', default: 'AGFA'

5.1. namespace ID

parameter: MSH_ReceivingApplic, default: 'XXXX'

6.1. namespace ID

parameter: 'MSH_ReceivingFacility', default: 'XXXX'

7.1. Date/Time

YYYYMMDDHHMMSS current date and time

9.1. message type

fixed value: 'ORU'

9.2. trigger event

fixed value: 'R01'

9.3. message structure

fixed value: 'ORU_R01'

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	Type	Table	Len.	Opt.	Card.	Contents
3	Patient Identifier List	CX		1913	O	0..*	
3.1	ID	ST		200	O	..	
3.2	Check digit	ST		200	O	..	
3.3	code identifying the check digit scheme employed	ID	HL70061	200	O	..	
3.4	assigning authority	HD		602	O	..	
3.4.1	namespace ID	IS	HL70363	200	O	..	
3.4.2	universal ID	ST		200	O	..	
3.4.3	universal ID type	ID	HL70301	200	O	..	
3.5	identifier type code (ID)	ID	HL70203	200	O	..	
3.6	assigning facility	HD		602	O	..	
3.6.1	namespace ID	IS	HL70363	200	O	..	
3.6.2	universal ID	ST		200	O	..	
3.6.3	universal ID type	ID	HL70301	200	O	..	
3.7	effective date (DT)	DT		8	O	..	e.g. 20050927
3.8	expiration date	DT		8	O	..	e.g. 20050927
4	Alternate Patient ID - PID	CX		1913	O	0..1	
4.1	ID	ST		20	O	..	
5	Patient Name	XPN		1103	O	0..1	
5.1	family name	FN		174	O	..	
5.1.1	surname	ST		30	O	..	
5.2	given name	ST		30	O	..	e.g. BART
5.3	second and further given names or initials thereof	ST		30	O	..	
7	Date/Time Of Birth	TS		26	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
7.1	Date/Time	NM		14	R	..	e.g. 00000000
8	Administrative Sex	IS	HL70001	1	O	0..1	e.g. U
10	Race	CE	HL70005	483	O	0..1	
10.1	identifier	ST		40	O	..	
11	Patient Address	XAD		631	O	0..1	
11.1	street address (SAD)	SAD		282	O	..	
11.1.1	street or mailing address	ST		274	O	..	
11.1.2	street name	ST		3	O	..	
11.1.3	dwelling number	ST		3	O	..	
11.3	city	ST		30	O	..	
11.4	state or province	ST		40	O	..	
11.5	zip or postal code	ST		20	O	..	
11.6	country	ID	HL70399	20	O	..	
13	Phone Number - Home	XTN		850	O	0..1	
13.2	telecommunication use code	ID	HL70201	3	O	..	
13.3	telecommunication equipment type (ID)	ID	HL70202	3	O	..	
13.4	Email address	ST		3	O	..	
13.7	Phone number	NM		15	O	..	
14	Phone Number - Business	XTN		850	O	0..1	
14.1	[(999)] 999-9999 [X99999][C any text]	TN		3	O	..	
14.2	telecommunication use code	ID	HL70201	3	O	..	
14.3	telecommunication equipment type (ID)	ID	HL70202	3	O	..	
14.4	Email address	ST		3	O	..	
14.5	Country Code	NM		3	O	..	
14.6	Area/city code	NM		3	O	..	
14.7	Phone number	NM		3	O	..	
14.8	Extension	NM		3	O	..	
14.9	any text	ST		3	O	..	
15	Primary Language	CE	HL70296	483	O	0..1	
15.1	identifier	ST		20	O	..	
16	Marital Status	CE	HL70002	483	O	0..1	
18	Patient Account Number	CX		1913	O	0..1	
18.1	ID	ST		50	O	..	
19	SSN Number - Patient	ST		20	O	0..1	
23	Birth Place	ST		30	O	0..1	
28	Nationality	CE	HL70212	483	O	0..1	
28.1	identifier	ST		20	O	..	

3.1. ID

patient_identifiers.pid_id, patients.p_natnumber

3.2. Check digit

patient_identifiers.pid_checkdigit

3.3. code identifying the check digit scheme employed

patient_identifiers.pid_checkdigitschema

3.4.1. namespace ID

patient_id_assigning_auth.pidasauth_namespaceid, qml_id_links.qml_application

3.4.2. universal ID

patient_id_assigning_auth.pidasauth_uid

3.4.3. universal ID type

patient_id_assigning_auth.pidasauth_uid_type

3.5. identifier type code (ID)

patient_identifiers.pid_typecode

3.6.1. namespace ID

patient_id_assigning_facility.pidasfac_namespaceid

3.6.2. universal ID

patient_id_assigning_facility.pidasfac_uid

3.6.3. universal ID type

patient_id_assigning_facility.pidasfac_uid_type

3.7. effective date (DT)

YYYYMMDD patient_identifiers.pid_effective_date

3.8. expiration date

! In use from release 2005.2.0 ! YYYYMMDD Parameter: IncludeExpiredIdentifiers Only included if IncludeExpiredIdentifiers = 1 and expiration date is a valid date

4.1. ID

patients.p_extracode

5.1.1. surname

patients.p_name

5.2. given name

patients.p_fname

5.3. second and further given names or initials thereof

patients.p_mname

7.1. Date/Time

YYYYMMDDHHMMSS patients.p_born

8. Administrative Sex

patients.p_sex

10.1. identifier

patient_items.pi_value['RACE']

11.1.1. street or mailing address

pat_addresses.pa_street + pat_addresses.pa_streetnr, patients.p_street + patients.p_streetnr

11.3. city

patients.p_town, pat_addresses.pa_town

11.4. state or province

patient_items.pi_value['PROVINCE']

11.5. zip or postal code

patients.p_zip, pat_addresses.pa_zip

11.6. country

countries.co_code

13.2. telecommunication use code

NET when there is an email address

13.3. telecommunication equipment type (ID)

FX when there is a fax number

13.7. Phone number

patients.p_phone

14.7. Phone number

patients.p_secondphone

15.1. identifier

languages.lan_code

18.1. ID

transfers.tr_reference, patient_items.pi_value['ACCOUNTNR']

19. SSN Number - Patient

mutgegevens.mu_number

23. Birth Place

patients.p_birthplace

28.1. identifier

countries.co_code

Segment group: g3O - g1R.g2O.g3O

- Usage: Optional

- Cardinality: 0..1

PV1 - Patient visit

- Usage: Required

- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	Patient Class	IS	HL70004	3	O	0..1	e.g. O
19	Visit Number	CX		1913	O	0..1	
19.1	ID	ST		30	O	..	e.g. LUD150848
19.3	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
19.4	assigning authority	HD		11	O	..	
19.4.1	namespace ID	IS	HL70363	3	O	..	
19.4.2	universal ID	ST		3	O	..	
19.4.3	universal ID type	ID	HL70301	3	O	..	
19.5	identifier type code (ID)	ID	HL70203	3	O	..	
19.6	assigning facility	HD		11	O	..	
19.6.1	namespace ID	IS	HL70363	3	O	..	
19.6.2	universal ID	ST		3	O	..	
19.6.3	universal ID type	ID	HL70301	3	O	..	
19.7	effective date (DT)	DT		3	O	..	
19.8	expiration date	DT		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
50	Alternate Visit ID	CX	HL70203	1913	O	0..1	
50.1	ID	ST		50	O	..	

2. Patient Class

fixed values: 'O', 'I'

19.1. ID

gbprestatiegroep.pathospitalnr, gbprestatiegroep.clientref, transfers.tr_admission_nr

50.1. ID

qp_request.qpreq_extid

End of segment group g3O

End of segment group PATIENT

Segment group: ORDER OBSERVATION

- Usage: Required

- Cardinality: 1..*

ORC - Common Order

- Usage: Optional

- Cardinality: 0..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Order Control	ID	HL70119	3	O	0..1	
2	Placer Order Number	EI		427	R	1..1	
2.1	entity identifier	ST		130	R	..	
3	Filler Order Number	EI		427	O	0..1	
3.1	entity identifier	ST		130	O	..	
5	Order Status	ID	HL70038	3	O	0..1	
7	Quantity/Timing	TQ		1545	O	0..*	
7.4	start date/time	TS		16	O	..	
7.4.1	Date/Time	NM		14	O	..	e.g. 20040328134602
10	Entered By	XCN		3002	O	0..*	
10.1	ID number (ST)	ST		40	O	..	
12	Ordering Provider	XCN		3002	O	0..*	
12.1	ID number (ST)	ST		40	O	..	
12.2	family name	FN		244	O	..	
12.2.1	surname	ST		100	O	..	
12.3	given name	ST		30	O	..	
12.4	second and further given names or initials thereof	ST		12	O	..	
12.6	prefix (e.g., DR)	ST		30	O	..	
21	Ordering Facility Name	XON		567	O	0..*	
21.1	organization name	ST		100	O	..	
25	Order Status Modifier	CWE		705	O	0..1	
25.1	identifier (ST)	ST		30	O	..	

1. Order Control

fixed value: 'CN' if last ORC then use the fixed value: 'RE'

2.1. entity identifier

qp_request.qpreq_extid (+ ^ + qp_request.qpreq_application) OR qp_requesttopic.qpreqtop_extid OR
 rq_exams.rqex_extorderidnr OR gbprestatiegroep.refvoorschrijver OR qpqd_link.qpqr_studyid (+ ^ +
 services.s_hospitalkey) OR rq_exams.rqex_key (+ ^ + services.s_hospitalkey) OR
 gbprestatiegroep.sleutel (+ ^ + services.s_hospitalkey) OR gbprestatiegroep.clientref (+ ^ +
 services.s_hospitalkey)

3.1. entity identifier

qp_request.qpreq_extid (+ ^ + qp_request.qpreq_application) OR qp_requesttopic.qpreqtop_extid OR
 rq_exams.rqex_extorderidnr OR gbprestatiegroep.refvoorschrijver OR qpqd_link.qpqr_studyid (+ ^ +
 services.s_hospitalkey) OR rq_exams.rqex_key (+ ^ + services.s_hospitalkey) OR
 gbprestatiegroep.sleutel (+ ^ + services.s_hospitalkey) OR gbprestatiegroep.clientref (+ ^ +
 services.s_hospitalkey)

5. Order Status

fixed value: 'IP', 'CM'

7.4.1. Date/Time

YYYYMMDDHHMMSS gbprestatiegroep.planuitvoering

10.1. ID number (ST)

gbprestatiegroep.changedby

12.1. ID number (ST)

doctors.d_hospitalkey

12.2.1. surname

doctors.d_lname

12.3. given name

doctors.d_fname

12.4. second and further given names or initials thereof

doctors.d_initials

12.6. prefix (e.g., DR)

doctors.d_title

21.1. organization name

services.s_hospitalkey

25.1. identifier (ST)

status_exam.st_name1

Segment group: OBSERVATION

- Usage: Required

- Cardinality: 1..*

OBR - Observation Request

- Usage: Required

- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBR	SI		3	O	0..1	e.g. 1
2	Placer Order Number	EI		427	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2.1	entity identifier	ST		130	O	..	e.g. LUD150848
3	Filler Order Number	EI		427	O	0..1	
3.1	entity identifier	ST		130	O	..	e.g. LUD150848
4	Universal Service Identifier	CE		483	R	1..1	
4.1	identifier	ST		300	R	..	e.g. 322 00-2467
4.2	text	ST		250	O	..	e.g. LUNGOR
4.3	name of coding system	IS	HL70396	20	O	..	
6	Requested Date/Time	TS		26	O	0..1	
6.1	Date/Time	NM		14	R	..	e.g. 20010904000000
7	Observation Date/Time #	TS		26	O	0..1	
7.1	Date/Time	NM		14	R	..	e.g. 20010904000000
13	Relevant Clinical Info.	ST		2048	O	0..1	e.g. FR_GEST_LLNING:
16	Ordering Provider	XCN		3002	O	0..*	
16.1	ID number (ST)	ST		20	O	..	
16.2	family name	FN		244	O	..	
16.2.1	surname	ST		100	O	..	e.g. Persson
16.3	given name	ST		30	O	..	e.g. Magnus
16.4	second and further given names or initials thereof	ST		3	O	..	e.g. FP
16.6	prefix (e.g., DR)	ST		30	O	..	e.g. FP
18	Placer Field 1	ST		30	O	0..1	e.g. 00000676
20	Filler Field 1 +	ST		200	O	0..1	
22	Results Rpt/Status Chng - Date/Time +	TS		26	O	0..1	
22.1	Date/Time	NM		14	R	..	e.g. 20041118163924
24	Diagnostic Serv Sect ID	ID	HL70074	100	O	0..1	e.g. LUDVIKA
25	Result Status +	ID	HL70123	3	O	0..1	e.g. R
28	Result Copies To	XCN		3002	O	0..*	
28.1	ID number (ST)	ST		20	O	..	
28.2	family name	FN		116	O	..	
28.2.1	surname	ST		100	O	..	e.g. Persson
28.2.2	own surname prefix	ST		3	O	..	
28.2.3	own surname	ST		3	O	..	
28.2.4	surname prefix from partner/spouse	ST		3	O	..	
28.2.5	surname from partner/spouse	ST		3	O	..	
28.3	given name	ST		30	O	..	e.g. Magnus
30	Transportation Mode	ID	HL70124	4	O	0..1	e.g. WALK
32	Principal Result Interpreter +	CM_NDL		835	O	0..1	
32.1	name	CN		223	O	..	
32.1.1	ID number (ST)	ST		20	O	..	
32.1.2	family name	FN		116	O	..	
32.1.3	given name	ST		30	O	..	e.g. Jan-Erik
34	Technician +	CM_NDL		835	O	0..*	
34.1	name	CN		129	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
34.1.2	family name	FN		42	O	..	
34.2	start date/time	TS		16	O	..	
34.2.1	Date/Time	NM		14	O	..	e.g. 0000000000000000
34.3	end date/time	TS		16	O	..	
34.3.1	Date/Time	NM		14	O	..	e.g. 20020307122700
35	Transcriptionist +	CM_NDL		835	O	0..*	
35.1	name	CN		139	O	..	
35.1.2	family name	FN		52	O	..	
35.1.3	given name	ST		30	O	..	e.g. AGFA
35.2	start date/time	TS		16	O	..	
35.2.1	Date/Time	NM		14	O	..	e.g. 20041118163858
35.3	end date/time	TS		16	O	..	
35.3.1	Date/Time	NM		14	O	..	e.g. 20041118163924

1. Set ID - OBR

fixed value: '1', counter

2.1. entity identifier

qp_request.qpreq_extid (+ ^ + qp_request.qpreq_application) OR qp_requesttopic.qpreqtop_extid OR rq_exams.rqex_extorderidnr OR gbprestatiegroep.refvoorschrijver OR qpqd_link.qpqr_studyid (+ ^ + services.s_hospitalkey) OR rq_exams.rqex_key (+ ^ + services.s_hospitalkey) OR gbprestatiegroep.sleutel (+ ^ + services.s_hospitalkey) OR gbprestatiegroep.clientref (+ ^ + services.s_hospitalkey)

3.1. entity identifier

qp_request.qpreq_extid (+ ^ + qp_request.qpreq_application) OR qp_requesttopic.qpreqtop_extid OR rq_exams.rqex_extorderidnr OR gbprestatiegroep.refvoorschrijver OR qpqd_link.qpqr_studyid (+ ^ + services.s_hospitalkey) OR rq_exams.rqex_key (+ ^ + services.s_hospitalkey) OR gbprestatiegroep.sleutel (+ ^ + services.s_hospitalkey) OR gbprestatiegroep.clientref (+ ^ + services.s_hospitalkey)

4.1. identifier

exams.ex_code & '~' & exams.ex_name, protocoltypes.pt_description, reports.r_template, exams.ex_code, hl7_order_placer_exams.opec_exam_id

4.2. text

exams.ex_name, hl7_order_placer_exams.opec_exam_description

4.3. name of coding system

hl7_order_placer_exams.opec_codingsystem

6.1. Date/Time

YYYYMMDDHHMMSS gbprestatiegroep.ontvoorschrift, reports.r_datewritten

7.1. Date/Time

YYYYMMDDHHMMSS gbprestatiegroep.planuitvoering, reports.r_datewritten

13. Relevant Clinical Info.

gbprestatiegroep.clininfo

16.1. ID number (ST)

doctors.d_hospitalkey

16.2.1. surname

doctors.d_lname

16.3. given name

doctors.d_fname

16.4. second and further given names or initials thereof

doctors.d_initials

16.6. prefix (e.g., DR)

doctors.d_title

18. Placer Field 1

qpqd_link.qpqd_studyid, rq_exams.rqex_key, qpqd_link.qpqd_accesionnr,

20. Filler Field 1 +

services.s_hospitalkey & ^ & services.s_name

22.1. Date/Time

YYYYMMDDHHMMSS reports.r_datewritten (or object_version_desc.ovd_changedate depending new parameter in version 2005.3.0)

24. Diagnostic Serv Sect ID

services.s_hospitalkey

25. Result Status +

Standard values: 'X', 'F', 'P', 'R', 'C'. In case of custom scripts, other values can be sent. E.g. 'D' instead of 'X'.

28.1. ID number (ST)

doctors.d_hospitalkey

28.2.1. surname

doctors.d_lname

28.3. given name

doctors.d_fname

30. Transportation Mode

fixed values: 'WALK', 'CART', 'WHLC'

32.1.1. ID number (ST)

doctors.d_hospitalkey

32.1.3. given name

doctors.d_fname

34.2.1. Date/Time

YYYYMMDDHHMMSS rq_exams.rqex_start

34.3.1. Date/Time

YYYYMMDDHHMMSS rq_exams.rqex_done

35.1.3. given name

users.u_fname

35.2.1. Date/Time

YYYYMMDDHHMMSS if the letter_status.ls_status = 'LR' or 'LS' letter_status.ls_insertdate

35.3.1. Date/Time

YYYYMMDDHHMMSS if the letter_status.ls_status = 'ML' or 'NL' letter_status.ls_insertdate

OBX - Observation/Result

- Usage: Optional
- Cardinality: 0..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBX	SI		3	O	0..1	e.g. 1
2	Value Type	ID	HL70125	3	R	1..1	e.g. FT
3	Observation Identifier	CE		483	O	0..1	
3.1	identifier	ST		50	O	..	
3.2	text	ST		100	O	..	e.g. LUNGOR
3.3	name of coding system	IS	HL70396	100	O	..	e.g. AGFA
3.4	alternate identifier	ST		50	O	..	e.g. 304160
5	Observation Value	*		200	O	0..1	e.g. <Max Value length Exceeded>
11	Observation Result Status	ID	HL70085	3	O	0..1	e.g. C
14	Date/Time of the Observation	TS		26	O	0..1	
14.1	Date/Time	NM		14	O	..	e.g. 20011029000000
15	Producer's ID	CE		483	O	0..1	
15.1	identifier	ST		10	O	..	e.g. LUD
16	Responsible Observer	XCN		3002	O	0..1	
16.1	ID number (ST)	ST		20	O	..	
16.2	family name	FN		244	O	..	
16.2.1	surname	ST		100	O	..	e.g. Bergkvist
16.3	given name	ST		30	O	..	e.g. Jan-Erik

1. Set ID - OBX

fixed value: '0'

2. Value Type

fixed values: 'RP', 'FT'

3.1. identifier

if orc is included: object_version_desc.ovd_report & '&GDT' OR gbprestatiegroep.clientref & '&GDT' OR gbprestatiegroep.refvoorschrijver & '&GDT' OR qpqd_link.qpqd_visited & '&GDT' if orc is not included: exams.ex_code & '&GDT'

3.2. text

if orc is included: services.s_hospitalkey if orc is not included: exams.ex_name

3.3. name of coding system

if orc is included: services.s_hospitalkey if orc is not included: fixed value: 'AGFA'

3.4. alternate identifier

if orc is not included: exams.ex_key OR rq_exams.rqex_key OR rq_exams.rqex_extorderidnr OR qpqd_link.qpqd_studyid OR exams.ex_key

5. Observation Value

parameter: 'sFile', 'sObservationValue'

11. Observation Result Status

Standard values: 'D', 'C', 'F', 'S', 'P', 'R' In case of custom scripts, other values can be sent.

14.1. Date/Time

YYYYMMDDHHMMSS reports.r_datewritten

15.1. identifier

accounts.a_code

16.1. ID number (ST)

doctors.d_hospitalkey

16.2.1. surname

doctors.d_lname

16.3. given name

doctors.d_fname

End of segment group OBSERVATION

NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
4	Comment Type	CE	HL70364	483	O	0..1	
4.2	text	ST		254	O	..	

4.2. text

rq_exams.rqex_remark

End of segment group ORDER_OBSERVATION

End of segment group PATIENT_RESULT