
HL7 Conformance Profile

ORU Lab

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Conformance parameters

Message Profile

- HL7 Version: 2.4
- Profile Type: HL7
- Topics: confsig-Agfa-2.4-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-Agfa-2.4-static-ORU-R01-null-ORU_R01-2005.1.4--Sender

Message structure

MSH { [PID [PV1]] { OBR {[NTE]} { [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	
2	Encoding Characters	ST		4	R	1..1	
3	Sending Application	HD	HL70361	227	O	0..1	
3.1	namespace ID	IS	HL70363	180	O	..	
4	Sending Facility	HD	HL70362	227	O	0..1	
4.1	namespace ID	IS	HL70363	3	O	..	
5	Receiving Application	HD	HL70361	227	O	0..1	
5.1	namespace ID	IS	HL70363	180	O	..	
6	Receiving Facility	HD	HL70362	227	O	0..1	
6.1	namespace ID	IS	HL70363	180	O	..	
7	Date/Time Of Message	TS		26	R	1..1	
8	Security	ST		40	O	0..1	
9	Message Type	CM_MSG	HL70076	15	R	1..1	
9.1	message type	ID	HL70076	3	O	..	
9.2	trigger event	ID	HL70003	3	O	..	
9.3	message structure	ID	HL70354	7	O	..	
10	Message Control ID	ST		20	R	1..1	
11	Processing ID	PT		3	R	1..1	
11.1	processing ID	ID	HL70103	3	O	..	
12	Version ID	VID	HL70104	973	R	1..1	
12.1	version ID	ID	HL70104	3	O	..	

3.1. namespace ID

parameter: MSH_SendingApplic, value: 'QDOC'

4.1. namespace ID

parameter:MSH_SendingFacility, value: 'AGFA'

5.1. namespace ID

parameter: MSH_ReceivingApplic, value: 'RAPP'

6.1. namespace ID

parameter: MSH_ReceivingFacility, value: 'RFAC'

9.1. message type

fixed value: 'ORM'

9.2. trigger event

fixed value: '001'

9.3. message structure

fixed value: 'ORM_O01'

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
1	Set ID - PID	SI		20	O	0..1	
2	Patient ID	CX		1913	O	0..1	
2.1	ID	ST		20	O	..	
3	Patient Identifier List	CX		1913	O	0..*	
3.1	ID	ST		3	R	..	
3.4	assigning authority	HD		407	O	..	
3.4.1	namespace ID	IS	HL70363	200	O	..	
3.5	identifier type code (ID)	ID	HL70203	200	O	..	
3.6	assigning facility	HD		407	O	..	
3.6.1	namespace ID	IS	HL70363	200	O	..	
4	Alternate Patient ID - PID	CX		1913	O	0..1	
4.1	ID	ST		20	O	..	
5	Patient Name	XPN		1103	O	0..*	
5.1	family name	FN		174	O	..	
5.1.1	surname	ST		30	O	..	
5.2	given name	ST		30	O	..	
5.3	second and further given names or initials thereof	ST		30	O	..	
5.4	suffix (e.g., JR or III)	ST		3	O	..	
5.5	prefix (e.g., DR)	ST		3	O	..	
6	Mother's Maiden Name	XPN		1103	O	0..*	
6.1	family name	FN		174	O	..	
6.1.1	surname	ST		30	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
6.2	given name	ST		30	O	..	
6.7	name type code	ID	HL70200	1	O	..	
7	Date/Time Of Birth	TS		26	O	0..1	
7.1	Date/Time	NM		14	R	..	e.g. 20040328134602
8	Administrative Sex	IS	HL70001	3	O	0..1	
11	Patient Address	XAD		631	O	0..*	
11.1	street address (SAD)	SAD		328	O	..	
11.1.1	street or mailing address	ST		264	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	40	O	..	
13	Phone Number - Home	XTN		850	O	0..1	
13.7	Phone number	NM		31	O	..	
19	SSN Number - Patient	ST		50	O	0..1	
29	Patient Death Date and Time	TS		26	O	0..1	
29.1	Date/Time	NM		14	O	..	e.g. 20040328134602

2.1. ID

patients.p_extracode, patients.p_code

3.1. ID

patient_identifiers.pid_id, patients.p_natnumber

3.4.1. namespace ID

patient_id_assigning_auth.pidasauth_nam espaceid

3.5. identifier type code (ID)

patient_id_assigning_auth.pidasauth_nam espaceid

3.6.1. namespace ID

patient_id_assigning_facility.pidasfac_na mespaceid

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

6.1.1. surname

patients.p_name

6.2. given name

patients.p_fname

6.7. name type code

fixed value: 'B'

7.1. Date/Time

YYYYMMDDHHMMSS patients.p_born

8. Administrative Sex

patients.p_sex

11.1.1. street or mailing address

patients.p_street & patients.p_streetnr

11.3. city

patients.p_town

11.4. state or province

patient_items['PROVINCE'].pi_value

11.5. zip or postal code

patients.p_zip

11.6. country

patients.p_country

13.7. Phone number

patients.p_phone ~ patients.p_secondphone

19. SSN Number - Patient

patients.p_siscode

29.1. Date/Time

YYYYMMDDHHMMSS patients.p_datedied

Segment group: VISIT

- Usage: Optional
- Cardinality: 0..1

PV1 - Patient visit

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
19	Visit Number	CX		1913	O	0..1	
19.1	ID	ST		20	O	..	

19.1. ID

used in select service_episodes.se_admission_number

End of segment group VISIT

End of segment group PATIENT

Segment group: ORDER 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	
3	Filler Order Number	EI		427	O	0..1	
3.1	entity identifier	ST		20	O	..	
4	Universal Service Identifier	CE		483	O	0..1	
4.1	identifier	ST		25	O	..	
4.2	text	ST		45	O	..	
4.3	name of coding system	IS	HL70396	20	O	..	
4.4	alternate identifier	ST		10	O	..	
6	Requested Date/Time	TS		26	O	0..1	
6.1	Date/Time	NM		14	O	..	e.g. 20040328134602
7	Observation Date/Time #	TS		26	O	0..1	
7.1	Date/Time	NM		14	O	..	e.g. 20040328134602
13	Relevant Clinical Info.	ST		254	O	0..1	
15	Specimen Source	CM_SPS	HL70070	4436	O	0..1	
15.1	specimen source name or code	CE		513	O	..	
15.1.1	identifier	ST		50	O	..	
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	..	
16.3	given name	ST		30	O	..	
24	Diagnostic Serv Sect ID	ID	HL70074	20	O	0..1	
25	Result Status +	ID	HL70123	3	O	0..1	
26	Parent Result +	CM_PRL		755	O	0..1	
26.1	OBX-3 observation identifier of parent result	CE		8	O	..	
26.1.1	identifier	ST		3	O	..	
26.2	OBX-4 sub-ID of parent result	ST		3	O	..	
27	Quantity/Timing	TQ		1545	O	0..1	
27.6	priority	ST		3	O	..	

3.1. entity identifier

la_request.lar_sampleid

4.1. identifier

la_testen.ltt_testkey

4.2. text

la_testen.ltt_testname

4.3. name of coding system

la_testen.ltt_codingsystem

4.4. alternate identifier

la_testen.ltt_testposition

6.1. Date/Time

YYYYMMDDHHMMSS la_request.lar_date

7.1. Date/Time

YYYYMMDDHHMMSS la_request.lar_date

13. Relevant Clinical Info.

la_request.lar_clininfo

15.1.1. identifier

la_request.lar_specimen_source

16.1. ID number (ST)

doctors.d_hospitalkey

16.2.1. surname

doctors.d_lname

16.3. given name

doctors.d_fname

24. Diagnostic Serv Sect ID

la_request.lar_section_id

25. Result Status +

fixed values: 'X', 'F'

NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..1	

3. Comment

la_request.lar_clininfo

Segment group: OBSERVATION

- Usage: Required
- Cardinality:1..*

OBX - Observation/Result

- Usage: Optional
- Cardinality: 0..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	Value Type	ID	HL70125	3	O	0..1	
3	Observation Identifier	CE		483	O	0..1	
3.1	identifier	ST		25	O	..	
3.2	text	ST		45	O	..	
3.3	name of coding system	IS	HL70396	20	O	..	
3.4	alternate identifier	ST		10	O	..	
4	Observation Sub-Id	ST		30	O	0..1	
5	Observation Value	*		3	O	0..1	
6	Units	CE		483	O	0..1	
6.1	identifier	ST		25	O	..	
7	References Range	ST		25	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
8	Abnormal Flags	IS	HL70078	10	O	0..1	
11	Observation Result Status	ID	HL70085	4	O	0..1	
14	Date/Time of the Observation	TS		26	O	0..1	
14.1	Date/Time	NM		14	O	..	e.g. 20040328134602

2. Value Type

fixed values: 'FT', 'CE', 'DT' la_fastresult.lfr_valuetype

3.1. identifier

la_fastresult.lfr_testposition, la_testen.ltt_testkey

3.2. text

la_fastresult.lfr_testposition, la_testen.ltt_testname

3.3. name of coding system

la_testen.ltt_codingsystem

3.4. alternate identifier

la_testen.ltt_testposition

4. Observation Sub-Id

la_fastresult.lfr_observ_sub_id

6.1. identifier

la_fastresult.lfr_units

7. References Range

la_testen.ltt_refs

8. Abnormal Flags

la_fastresult.lfr_resultflags

11. Observation Result Status

la_fastresult.lfr_statustype

14.1. Date/Time

YYYYMMDDHHMMSS

NTE - Notes and Comments

- Usage: Optional

- Cardinality:0..*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..1	

3. Comment

la_protocol.lpk_protext

End of segment group OBSERVATION

End of segment group ORDER_OBSERVATION

End of segment group PATIENT_RESULT