

HL7 Conformance Profile

Mediweb OUL R21

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Conformance parameters

Message Profile

- HL7 Version: 2.5
- Profile Type: HL7
- Topics: confsig-Agfa-2.5-profile-accNE_accAL-Deferred

Encoding Method

ER7

Interaction 1

Dynamic Definition

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

Static Definition

- Message Type: OUL
- Trigger Event: R21
- Message Structure: OUL_R21
- Topics: confsig-Agfa-2.5-static-OUL-R21-null-OUL_R21-2005.1.4--Sender

Message structure

MSH [PID {[NTE]}] [PV1] { [SAC] [ORC] 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	HL70300	20	O	..	
4	Sending Facility	HD	HL70362	227	O	0..1	
4.1	namespace ID	IS	HL70300	20	O	..	
5	Receiving Application	HD	HL70361	227	O	0..1	
5.1	namespace ID	IS	HL70300	20	O	..	
6	Receiving Facility	HD	HL70362	227	O	0..1	
6.1	namespace ID	IS	HL70300	20	O	..	
7	Date/Time Of Message	TS		26	R	1..1	
7.1	time	DTM		14	R	..	e.g. 20040328134623
7.2	degree of precision	ST	HL70529		B	..	e.g. D
8	Security	ST		40	O	0..1	
9	Message Type	MSG		15	R	1..1	
9.1	message code	ID	HL70076	3	R	..	
9.2	trigger event	ID	HL70003	3	R	..	
9.3	message structure	ID	HL70354	7	R	..	
10	Message Control ID	ST		20	R	1..1	
11	Processing ID	PT		3	R	1..1	
11.1	processing ID	ID	HL70103	1	O	..	
12	Version ID	VID		973	R	1..1	
12.1	version ID	ID	HL70104	5	O	..	
14	Continuation Pointer	ST		3	O	0..1	

7.1. time

YYYYMMDDHHMMSS

7.2. degree of precision

Retained for backward compatibility only

9.1. message code

fixed value: 'OUL'

9.2. trigger event

fixed value: 'R24'

9.3. message structure

fixed value: 'OUL_R24'

Segment group: g10

- 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		3	O	0..1	
2	Patient ID	CX		1913	O	0..1	
2.1	ID number	ST		20	R	..	
3	Patient Identifier List	CX		1913	R	1..*	
3.1	ID number	ST		200	R	..	
3.4	assigning authority	HD	HL70363	407	O	..	
3.4.1	namespace ID	IS	HL70300	200	O	..	
3.5	identifier type code	ID	HL70203	200	O	..	
3.6	assigning facility	HD		407	O	..	
3.6.1	namespace ID	IS	HL70300	200	O	..	
4	Alternate Patient ID - PID	CX		1913	O	0..1	
4.1	ID number	ST		3	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	..	
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	time	DTM		14	R	..	e.g. 20040328134623
8	Administrative Sex	IS	HL70001	1	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
11	Patient Address	XAD		631	O	0..*	
11.1	street address	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..*	
13.1	telephone number	ST		31	O	..	
18	Patient Account Number	CX		1913	O	0..1	
18.1	ID number	ST		3	O	..	
18.4	assigning authority	HD	HL70363	387	O	..	
18.4.1	namespace ID	IS	HL70300	180	O	..	
19	SSN Number - Patient	ST		50	O	0..1	
23	Birth Place	ST		30	O	0..1	
29	Patient Death Date and Time	TS		26	O	0..1	
29.1	time	DTM		14	R	..	e.g. 20040328134623

3.1. ID number

patient_identifiers.pid_id, patients.p_natnumber

3.4.1. namespace ID

patient_id_assigning_auth.pidasauth_namespaceid

3.5. identifier type code

patient_id_assigning_auth.pidasauth_namespaceid

3.6.1. namespace ID

patient_id_assigning_facility.pidasfac_namespaceid

4.1. ID number

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. 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

13.1. telephone number

patients.p_phone ~ patients.p_phone

19. SSN Number - Patient

patients.p_siscode

23. Birth Place

patients.p_birthplace

29.1. time

YYYYMMDDHHMMSS patients.p_datedied

NTE - Notes and Comments

- Usage: Optional

- Cardinality:0..*

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

3. Comment

lab_service_request_ci.lsrc_value

End of segment group g10

Segment group: g20

- 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 number	ST		20	O	..	

19.1. ID number

used in select service_episodes.se_admission_number

End of segment group g2O

Segment group: g3R

- Usage: Required
- Cardinality: 1..*

Segment group: g4O - g3R.g4O

- Usage: Optional
- Cardinality: 0..1

SAC - Specimen Container detail

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	External Accession Identifier	EI		427	B	0..*	
3	Container Identifier	EI		427	O	0..1	
3.1	entity identifier	ST		64	O	..	
6	Specimen Source	SPS		4436	O	0..1	
6.1	specimen source name or code	CWE		804	O	..	
6.1.1	identifier	ST		64	O	..	
6.1.2	text	ST		254	O	..	
8	Container Status	CE	HL70370	483	O	0..1	
8.1	identifier	ST	HL70370	10	O	..	
23	Initial Specimen Volume	NM		3	O	0..1	
24	Volume Units	CE		483	O	0..1	
24.1	identifier	ST		3	O	..	
24.2	text	ST		3	O	..	

8.1. identifier

lab_sample.ls_status

End of segment group g4O

ORC - Common Order

- Usage: Optional
- Cardinality: 0..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
13	Enterer's Location	PL		1230	O	0..1	
13.1	point of care	IS	HL70302	100	O	..	
13.2	room	IS	HL70303	3	O	..	

OBR - Observation Request

- Usage: Required
- Cardinality: 1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBR	SI		4	O	0..1	
3	Filler Order Number	EI		427	O	0..1	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3.1	entity identifier	ST		64	O	..	
3.2	namespace ID	IS	HL70363	64	O	..	
4	Universal Service Identifier	CE		483	O	0..1	
4.1	identifier	ST		64	O	..	
4.2	text	ST		254	O	..	
4.3	name of coding system	ID	HL70396	64	O	..	
4.4	alternate identifier	ST		16	O	..	
7	Observation Date/Time	TS		26	O	0..1	
7.1	time	DTM		14	O	..	e.g. 20040328134623
13	Relevant Clinical Information	ST		254	O	0..1	
14	Specimen Received Date/Time	TS		26	O	0..1	
14.1	time	DTM		14	O	..	e.g. 20040328134623
15	Specimen Source	SPS		4436	O	0..1	
15.1	specimen source name or code	CWE		994	O	..	
15.1.1	identifier	ST		254	O	..	
15.1.2	text	ST		254	O	..	
16	Ordering Provider	XCN		3002	O	0..*	
16.1	ID numbee	ST		20	O	..	
16.2	family name	FN		244	O	..	
16.2.1	surname	ST		100	O	..	
16.3	given name	ST		30	O	..	
20	Filler Field 1	ST		3	O	0..1	
22	Results Rpt/Status Chng - Date/Time	TS		26	O	0..1	
22.1	time	DTM		14	O	..	e.g. 20040328134623
24	Diagnostic Serv Sect ID	ID	HL70074	3	O	0..1	
25	Result Status	ID	HL70123	10	O	0..1	
26	Parent Result	PRL		755	O	0..1	
26.1	parent observation identifier	CE		382	O	..	
26.1.1	identifier	ST		64	O	..	
26.1.2	text	ST		10	O	..	
26.1.3	name of coding system	ID	HL70396	64	O	..	
27	Quantity/Timing	TQ		1545	O	0..1	
27.6	priority	ST		3	O	..	
32	Principal Result Interpreter	NDL		835	O	0..1	
32.1	name	CNS		414	O	..	
32.1.1	ID number	ST		20	O	..	

3.1. entity identifier

lab_service_request.lsr_service_request_id

3.2. namespace ID

lab_service_request.lsr_filler_id

4.1. identifier

lab_topic.lto_code

4.2. text

lab_topic.lto_name

4.3. name of coding system

lab_topic.lto_codesys

4.4. alternate identifier

lab_topic.lto_position

7.1. time

YYYYMMDDHHMMSS lab_sample.ls_collectiondate, lab_service_request.createdate,
lab_service_request.versiondate

13. Relevant Clinical Information

lab_service_request_ci.lsrc_value, lab_blob.lb_value

14. Specimen Received Date/Time

YYYYMMDDHHMMSS lab_sample.ls_receivedate

15.1.1. identifier

lab_sample_ci.lsc_value

15.1.2. text

lab_sample_ci.lsc_value

16.1. ID numbee

doctors.d_hospitalkey

16.2.1. surname

doctors.d_lname

16.3. given name

doctors.d_fname

22.1. time

YYYYMMDDHHMMSS lab_sample.ls_versiondate, lab_service_request.lsr_versiondate

24. Diagnostic Serv Sect ID

lab_service_request_ci.lsrc_value

25. Result Status

lab_sample.ls_status, lab_service_request.lsr_status

NTE - Notes and Comments

- Usage: Optional

- Cardinality:0..*

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
3	Comment	FT		254	O	0..*	
4	Comment Type	CE	HL70364	483	O	0..1	
4.1	identifier	ST		20	O	..	

3. Comment

lab_sample_ci.lsc_value

4.1. identifier

lab_class_item_def.lci_code

Segment group: g4R - g3R.g4R

- Usage: Required
- Cardinality:1..*

OBX - Observation/Result

- Usage: Required
- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
2	Value Type	ID	HL70125	254	O	0..1	
3	Observation Identifier	CE		483	O	0..1	
3.1	identifier	ST		64	O	..	
3.2	text	ST		254	O	..	
3.3	name of coding system	ID	HL70396	64	O	..	
3.4	alternate identifier	ST		16	O	..	
4	Observation Sub-ID	ST		10	O	0..1	
5	Observation Value	varies		3	O	0..*	
6	Units	CE		483	O	0..1	
6.1	identifier	ST		254	O	..	
7	References Range	ST		254	O	0..1	
8	Abnormal Flags	IS	HL70078	254	O	0..*	
11	Observation Result Status	ID	HL70085	10	O	0..1	
14	Date/Time of the Observation	TS		26	O	0..1	
14.1	time	DTM		3	O	..	e.g. 20040328134623

2. Value Type

lab_result_ci.lrc_value

3.1. identifier

lab_test_def.lt_code, lab_topic.lto_code

3.2. text

lab_test_def.lt_name, lab_topic.lto_name

3.3. name of coding system

lab_test_def.lt_codesys, lab_topic.codesys

3.4. alternate identifier

lab_topic.lto_position

4. Observation Sub-ID

lab_result.lr_test_sub_id

6.1. identifier

lab_measurement_def.lm_value

7. References Range

lab_measurement_def.lm_value

8. Abnormal Flags

lab_result.lr_abnormal

11. Observation Result Status

lab_result.lr_status

14.1. time

YYYYMMDDHHMMSS lab_result.lr_date

NTE - Notes and Comments

- Usage: Optional
- Cardinality:0..*

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

3. Comment

lab_result_ci.lrc_value

End of segment group g4R

End of segment group g3R