
HL7 Conformance Profile

(R)IS OUTBOUND ADT

Outbound Enterprise Imaging

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About this Conformance Profile

HL7 ADT interface that sends patient information to a AGFA Enterprise Imaging system

The interface uses the HL7 MLLP protocol with normal ack mode (enhanced ack is not supported).

The segments, fields, components marked as Required in this profile will always be filled (non empty) by the AGFA IMPAX RIS.

Segments, fields, components marked as Optional can be present in the message if the data is available in the AGFA IMPAX RIS database.

Segments, fields, components marked as Not Supported will not be populated in the message.

For more information on HL7 conformance profiles please consult HL7 ANSI standard chapter 2 and HL7 Implementation/Conformance Technical Committee documents at <http://www.hl7.org/special/committees/ictc/docs.cfm>

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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: NE
- Acknowledgement Mode: Immediate

Static Definition

- Event Description: ADT/ACK
- Message Type: ADT
- Topics: confsig-AGFA HealthCare-2.4-static-ADT--null----Sender

Message structure

MSH EVN [PID [PV1] [MRG] {[AL1]} {[OBX]}]

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		227	R	1..1	
3.1	namespace ID	IS	HL70363	180	R	..	e.g. QDOC
3.2	universal ID	ST		3	O	..	
3.3	universal ID type	ID	HL70301	3	O	..	
4	Sending Facility	HD		227	R	1..1	
4.1	namespace ID	IS	HL70363	180	R	..	e.g. AGFA
4.2	universal ID	ST		3	O	..	
4.3	universal ID type	ID	HL70301	3	O	..	
5	Receiving Application	HD		227	R	1..1	
5.1	namespace ID	IS	HL70363	180	R	..	e.g. AGFA
5.2	universal ID	ST		3	O	..	
5.3	universal ID type	ID	HL70301	3	O	..	
6	Receiving Facility	HD		227	R	1..1	
6.1	namespace ID	IS	HL70363	180	R	..	e.g. AGFA
6.2	universal ID	ST		3	O	..	
6.3	universal ID type	ID	HL70301	3	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		3	R	..	e.g. ADT
9.2	trigger event	ID		3	R	..	
9.3	message structure	ID		7	R	..	
10	Message Control ID	ST		20	R	1..1	e.g. 1555580619430
11	Processing ID	PT		3	R	1..1	
11.1	processing ID	ID	HL70103	3	R	..	e.g. P
11.2	processing mode	ID	HL70207	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
12	Version ID	VID	HL70104	973	R	1..1	
12.1	version ID	ID	HL70104	3	R	..	e.g. 2 . 4
12.2	internationalization code	CE	HL70399	20	O	..	
12.2.1	identifier	ST			O	..	
12.2.2	text	ST		3	O	..	
12.2.3	name of coding system	IS	HL70396	3	O	..	
12.2.4	alternate identifier	ST		3	O	..	
12.2.5	alternate text	ST		3	O	..	
12.2.6	name of alternate coding system	IS	HL70396	3	O	..	
12.3	international version ID	CE		20	O	..	
12.3.1	identifier	ST			O	..	
12.3.2	text	ST		3	O	..	
12.3.3	name of coding system	IS	HL70396	3	O	..	
12.3.4	alternate identifier	ST		3	O	..	
12.3.5	alternate text	ST		3	O	..	
12.3.6	name of alternate coding system	IS	HL70396	3	O	..	
18	Character Set	ID	HL70211	16	R	1..1	e.g. 8859/1

3. Sending Application

Based on script parameter MSH_SendingApplic

4. Sending Facility

Based on script parameter MSH_SendingFacility

5. Receiving Application

MSH_ReceivingApplicBased on script parameter MSH_ReceivingApplic

6. Receiving Facility

Based on script parameter MSH_ReceivingFacility

9.2. trigger event

A01, A02, A03, A04, A06, A07, A08, A12, A13, A28, A40 supported.

EVN - Event Type

- Usage: Required

- Cardinality:1..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Event Type Code	ID	HL70003	3	O	0..1	
2	Recorded Date/Time	TS		26	R	1..1	
2.1	Date/Time	NM			R	..	e.g. 20040328134602.1234+0600
6	Event Occurred	TS		26	O	0..1	
6.1	Date/Time	NM			R	..	e.g. 20040328134602.1234+0600

2.1. Date/Time

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

6.1. Date/Time

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

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		4	O	0..1	
3	Patient Identifier List	CX		1913	R	1..*	
3.1	ID	ST		3	R	..	
3.2	Check digit	ST		1	O	..	
3.3	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
3.4	assigning authority	HD		11	O	..	
3.4.1	namespace ID	IS	HL70363	3	O	..	
3.4.2	universal ID	ST		3	O	..	
3.4.3	universal ID type	ID	HL70301	3	O	..	
3.5	identifier type code (ID)	ID	HL70203	3	O	..	
3.6	assigning facility	HD		11	O	..	
3.6.1	namespace ID	IS	HL70363	3	O	..	
3.6.2	universal ID	ST		3	O	..	
3.6.3	universal ID type	ID	HL70301	3	O	..	
4	Alternate Patient ID - PID	CX		1913	O	0..1	
4.1	ID	ST		3	O	..	
4.3	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
4.4	assigning authority	HD		11	O	..	
4.4.1	namespace ID	IS	HL70363	3	O	..	
4.4.2	universal ID	ST		3	O	..	
4.4.3	universal ID type	ID	HL70301	3	O	..	
4.5	identifier type code (ID)	ID	HL70203	3	O	..	
4.6	assigning facility	HD		11	O	..	
4.6.1	namespace ID	IS	HL70363	3	O	..	
4.6.2	universal ID	ST		3	O	..	
4.6.3	universal ID type	ID	HL70301	3	O	..	
4.7	effective date (DT)	DT		3	O	..	
4.8	expiration date	DT		3	O	..	
5	Patient Name	XPN		1103	R	1..*	
5.1	family name	FN		19	R	..	
5.1.1	surname	ST		3	O	..	
5.1.2	own surname prefix	ST		3	O	..	
5.1.3	own surname	ST		3	O	..	
5.1.4	surname prefix from partner/spouse	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
5.1.5	surname from partner/spouse	ST		3	O	..	
5.2	given name	ST		3	O	..	
5.3	second and further given names or initials thereof	ST		3	O	..	
5.4	suffix (e.g., JR or III)	ST		3	O	..	
5.5	prefix (e.g., DR)	ST		3	O	..	
5.6	degree (e.g., MD)	IS	HL70360	3	O	..	
5.7	name type code	ID	HL70200	3	O	..	
5.8	Name Representation code	ID	HL70465	3	O	..	
5.9	name context	CE	HL70448	20	O	..	
5.9.1	identifier	ST			O	..	
5.9.2	text	ST		3	O	..	
5.9.3	name of coding system	IS	HL70396	3	O	..	
5.9.4	alternate identifier	ST		3	O	..	
5.9.5	alternate text	ST		3	O	..	
5.9.6	name of alternate coding system	IS	HL70396	3	O	..	
5.10	name validity range	DR		7	O	..	
5.10.1	range start date/time	TS		3	O	..	
5.10.2	range end date/time	TS		3	O	..	
5.11	name assembly order	ID	HL70444	3	O	..	
7	Date/Time Of Birth	TS		26	R	1..1	
8	Administrative Sex	IS	HL70001	1	R	1..1	
10	Race	CE	HL70005	483	O	0..2	
10.2	text	ST		3	O	..	
10.3	name of coding system	IS	HL70396	3	O	..	
10.4	alternate identifier	ST		3	O	..	
10.5	alternate text	ST		3	O	..	
10.6	name of alternate coding system	IS	HL70396	3	O	..	
11	Patient Address	XAD		631	O	0..*	
11.1	street address (SAD)	SAD		11	O	..	
11.1.1	street or mailing address	ST		3	O	..	
11.1.2	street name	ST		3	O	..	
11.1.3	dwelling number	ST		3	O	..	
11.2	other designation	ST		3	O	..	
11.3	city	ST		3	O	..	
11.4	state or province	ST		3	O	..	
11.5	zip or postal code	ST		3	O	..	
11.6	country	ID	HL70399	3	O	..	
11.7	address type	ID	HL70190	3	O	..	
11.8	other geographic designation	ST		3	O	..	
11.9	county/parish code	IS	HL70289	3	O	..	
11.10	census tract	IS	HL70288	3	O	..	
11.11	address representation code	ID	HL70465	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
11.12	address validity range	DR		7	O	..	
11.12.1	range start date/time	TS		3	O	..	
11.12.2	range end date/time	TS		3	O	..	
13	Phone Number - Home	XTN		850	O	0..*	
13.1	[(999)] 999-9999 [X99999][C any text]	TN		3	O	..	
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	..	
13.5	Country Code	NM		3	O	..	
13.6	Area/city code	NM		3	O	..	
13.7	Phone number	NM		3	O	..	
13.8	Extension	NM		3	O	..	
13.9	any text	ST		3	O	..	
14	Phone Number - Business	XTN		850	O	0..*	
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	..	
16	Marital Status	CE	HL70002	483	O	0..1	
16.2	text	ST		3	O	..	
16.3	name of coding system	IS	HL70396	3	O	..	
16.4	alternate identifier	ST		3	O	..	
16.5	alternate text	ST		3	O	..	
16.6	name of alternate coding system	IS	HL70396	3	O	..	
18	Patient Account Number	CX		1913	O	0..1	
18.1	ID	ST		3	O	..	
18.3	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
18.4	assigning authority	HD		11	O	..	
18.4.1	namespace ID	IS	HL70363	3	O	..	
18.4.2	universal ID	ST		3	O	..	
18.4.3	universal ID type	ID	HL70301	3	O	..	
18.5	identifier type code (ID)	ID	HL70203	3	O	..	
18.6	assigning facility	HD		11	O	..	
18.6.1	namespace ID	IS	HL70363	3	O	..	
18.6.2	universal ID	ST		3	O	..	
18.6.3	universal ID type	ID	HL70301	3	O	..	
18.7	effective date (DT)	DT		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
18.8	expiration date	DT		3	O	..	
19	SSN Number - Patient	ST		16	O	0..1	
23	Birth Place	ST		250	O	0..1	
28	Nationality	CE	HL70212	483	O	0..1	
28.2	text	ST		3	O	..	
28.3	name of coding system	IS	HL70396	3	O	..	
28.4	alternate identifier	ST		3	O	..	
28.5	alternate text	ST		3	O	..	
28.6	name of alternate coding system	IS	HL70396	3	O	..	
29	Patient Death Date and Time	TS		26	O	0..1	
30	Patient Death Indicator	ID	HL70136	1	O	0..1	

3. Patient Identifier List

Based on script parameter:

UseMultiplePatientIdentifiers

Only if UseMultiplePatientIdentifier is false: DefaultAssigningAuthority

4. Alternate Patient ID - PID

PATIENT/P_EXTRACODE

5. Patient Name

In certain countries specific name notations are used for married couples, also same sex couples. This name notation needs to be consistent through our applications in an integrated environment. To ensure name notation is consistent the backend integration needs to be aligned to make sure patient name and patient partner name is stored correct in all systems.

Following logic needs to be applied in the ADT/ORM/ORU Outbound messages from IMPAX RIS / AGFA HealthCare Scheduling towards Enterprise Imaging:

if (P_PARTNER_NAME) is empty then (Not Married)

PID 5.1.1 = P_NAME

PID 5.1.3 = empty

else (Married)

PID 5.1.1 = P_PARTNERNAME

PID 5.1.3 = P_NAME

This should allow to us the EI mask, can be set in the administrator desktop, system settings - Miscellaneous, <Lastname> - <Maiden Name> to consistently display names in both IMPAX RIS / AGFA HealthCare Scheduling and Enterprise Imaging.

18. Patient Account Number

A40RLNEWKEY/CORRECT_P_ACCOUNTNR

19. SSN Number - Patient

PATIENT/P_SISCODE

PV1 - Patient visit

- Usage: Optional

- Cardinality: 0..1

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - PV1	SI		4	O	0..1	
2	Patient Class	IS	HL70004	1	R	1..1	e.g. N
3	Assigned Patient Location	PL		1230	O	0..1	
3.1	point of care	IS	HL70302	3	O	..	
3.2	room	IS	HL70303	3	O	..	
3.3	bed	IS	HL70304	3	O	..	
3.4	facility (HD)	HD		11	O	..	
3.4.1	namespace ID	IS	HL70363	3	O	..	
3.4.2	universal ID	ST		3	O	..	
3.4.3	universal ID type	ID	HL70301	3	O	..	
3.5	location status	IS	HL70306	3	O	..	
3.6	person location type	IS	HL70305	3	O	..	
3.7	building	IS	HL70307	3	O	..	
3.8	floor	IS	HL70308	3	O	..	
3.9	Location description	ST		3	O	..	
7	Attending Doctor	XCN	HL70010	3002	O	0..*	
7.1	ID number (ST)	ST		3	O	..	
7.2	family name	FN		19	O	..	
7.2.1	surname	ST		3	O	..	
7.2.2	own surname prefix	ST		3	O	..	
7.2.3	own surname	ST		3	O	..	
7.2.4	surname prefix from partner/spouse	ST		3	O	..	
7.2.5	surname from partner/spouse	ST		3	O	..	
7.3	given name	ST		3	O	..	
7.4	second and further given names or initials thereof	ST		3	O	..	
7.5	suffix (e.g., JR or III)	ST		3	O	..	
7.6	prefix (e.g., DR)	ST		3	O	..	
7.7	degree (e.g., MD)	IS	HL70360	3	O	..	
7.8	source table	IS	HL70297	3	O	..	
7.9	assigning authority	HD		11	O	..	
7.9.1	namespace ID	IS	HL70363	3	O	..	
7.9.2	universal ID	ST		3	O	..	
7.9.3	universal ID type	ID	HL70301	3	O	..	
7.10	name type code	ID	HL70200	3	O	..	
7.11	identifier check digit	ST		3	O	..	
7.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
7.13	identifier type code (IS)	IS		3	O	..	
7.14	assigning facility	HD		11	O	..	
7.14.1	namespace ID	IS	HL70363	3	O	..	
7.14.2	universal ID	ST		3	O	..	
7.14.3	universal ID type	ID	HL70301	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
7.15	Name Representation code	ID	HL70465	3	O	..	
7.16	name context	CE	HL70448	20	O	..	
7.16.1	identifier	ST			O	..	
7.16.2	text	ST		3	O	..	
7.16.3	name of coding system	IS	HL70396	3	O	..	
7.16.4	alternate identifier	ST		3	O	..	
7.16.5	alternate text	ST		3	O	..	
7.16.6	name of alternate coding system	IS	HL70396	3	O	..	
7.17	name validity range	DR		7	O	..	
7.17.1	range start date/time	TS		3	O	..	
7.17.2	range end date/time	TS		3	O	..	
7.18	name assembly order	ID	HL70444	3	O	..	
8	Referring Doctor	XCN	HL70010	3002	O	0..*	
8.1	ID number (ST)	ST		3	O	..	
8.2	family name	FN		19	O	..	
8.2.1	surname	ST		3	O	..	
8.2.2	own surname prefix	ST		3	O	..	
8.2.3	own surname	ST		3	O	..	
8.2.4	surname prefix from partner/spouse	ST		3	O	..	
8.2.5	surname from partner/spouse	ST		3	O	..	
8.3	given name	ST		3	O	..	
8.4	second and further given names or initials thereof	ST		3	O	..	
8.5	suffix (e.g., JR or III)	ST		3	O	..	
8.6	prefix (e.g., DR)	ST		3	O	..	
8.7	degree (e.g., MD)	IS	HL70360	3	O	..	
8.8	source table	IS	HL70297	3	O	..	
8.9	assigning authority	HD		11	O	..	
8.9.1	namespace ID	IS	HL70363	3	O	..	
8.9.2	universal ID	ST		3	O	..	
8.9.3	universal ID type	ID	HL70301	3	O	..	
8.10	name type code	ID	HL70200	3	O	..	
8.11	identifier check digit	ST		3	O	..	
8.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
8.13	identifier type code (IS)	IS		3	O	..	
8.14	assigning facility	HD		11	O	..	
8.14.1	namespace ID	IS	HL70363	3	O	..	
8.14.2	universal ID	ST		3	O	..	
8.14.3	universal ID type	ID	HL70301	3	O	..	
8.15	Name Representation code	ID	HL70465	3	O	..	
8.16	name context	CE	HL70448	20	O	..	
8.16.1	identifier	ST			O	..	
8.16.2	text	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
8.16.3	name of coding system	IS	HL70396	3	O	..	
8.16.4	alternate identifier	ST		3	O	..	
8.16.5	alternate text	ST		3	O	..	
8.16.6	name of alternate coding system	IS	HL70396	3	O	..	
8.17	name validity range	DR		7	O	..	
8.17.1	range start date/time	TS		3	O	..	
8.17.2	range end date/time	TS		3	O	..	
8.18	name assembly order	ID	HL70444	3	O	..	
10	Hospital Service	IS	HL70069	3	O	0..1	
16	VIP Indicator	IS	HL70099	2	O	0..1	
18	Patient Type	IS	HL70018	2	O	0..1	
19	Visit Number	CX		1913	O	0..1	
19.1	ID	ST		3	O	..	
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	..	
40	Bed Status	IS	HL70116	1	B	0..*	
44	Admit Date/Time	TS		26	O	0..1	
52	Other Healthcare Provider	XCN	HL70010	3002	B	0..*	
52.1	ID number (ST)	ST		3	O	..	
52.2	family name	FN		19	O	..	
52.2.1	surname	ST		3	O	..	
52.2.2	own surname prefix	ST		3	O	..	
52.2.3	own surname	ST		3	O	..	
52.2.4	surname prefix from partner/spouse	ST		3	O	..	
52.2.5	surname from partner/spouse	ST		3	O	..	
52.3	given name	ST		3	O	..	
52.4	second and further given names or initials thereof	ST		3	O	..	
52.5	suffix (e.g., JR or III)	ST		3	O	..	
52.6	prefix (e.g., DR)	ST		3	O	..	
52.7	degree (e.g., MD)	IS	HL70360	3	O	..	
52.8	source table	IS	HL70297	3	O	..	
52.9	assigning authority	HD		11	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
52.9.1	namespace ID	IS	HL70363	3	O	..	
52.9.2	universal ID	ST		3	O	..	
52.9.3	universal ID type	ID	HL70301	3	O	..	
52.10	name type code	ID	HL70200	3	O	..	
52.11	identifier check digit	ST		3	O	..	
52.12	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
52.13	identifier type code (IS)	IS		3	O	..	
52.14	assigning facility	HD		11	O	..	
52.14.1	namespace ID	IS	HL70363	3	O	..	
52.14.2	universal ID	ST		3	O	..	
52.14.3	universal ID type	ID	HL70301	3	O	..	
52.15	Name Representation code	ID	HL70465	3	O	..	
52.16	name context	CE	HL70448	20	O	..	
52.16.1	identifier	ST			O	..	
52.16.2	text	ST		3	O	..	
52.16.3	name of coding system	IS	HL70396	3	O	..	
52.16.4	alternate identifier	ST		3	O	..	
52.16.5	alternate text	ST		3	O	..	
52.16.6	name of alternate coding system	IS	HL70396	3	O	..	
52.17	name validity range	DR		7	O	..	
52.17.1	range start date/time	TS		3	O	..	
52.17.2	range end date/time	TS		3	O	..	
52.18	name assembly order	ID	HL70444	3	O	..	

2. Patient Class

Value =

MapTrTypeToPatientClass(SelectNodeValue(oXmlDoc.documentElement,"TRANSFERS/TR_TYPE"))

If sEventType = "A28" Or sEventType = "A08" Then

 If SelectNodeValue(oXmlDoc.documentelement,"TRANSFERS/TR_PATTYPE") <> "" Then

 Value = SelectNodeValue(oXmlDoc.documentelement,"TRANSFERS/TR_PATTYPE")

 Else

 Value = "O"

 End If

End If

If sEventType = "A01" Then

 Value = "I"

End If

If sEventType = "A04" Then

 Value = "O"

End If

If sEventType = "A06" Then

 Value = "I"

End If

If sEventType = "A07" Then

 Value = "O"

End If

3. Assigned Patient Location

Values taken from the TRANSFERS table.

7. Attending Doctor

TRANSFERS/TR_DOCTOR_RESP

8. Referring Doctor

TRANSFERS/TR_DOCTOR_MR

19.1. ID

RQEX_REQUEST/PATHOSPITALNR

19.4.1. namespace ID

TRANSFERS/TR_VISITNR_CODEASSIGNER

44. Admit Date/Time

TRANSFERS/VISIT_ADMITDATE or TRANSFERS/TR_DATE_FROM

MRG - Merge patient information

- Usage: Conditional
- Cardinality: 0..1
- Implementation note: Only with A40

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Prior Patient Identifier List	CX		1913	R	1..*	
1.1	ID	ST		3	O	..	
1.2	Check digit	ST			O	..	
1.3	code identifying the check digit scheme employed	ID	HL70061	3	O	..	
1.4	assigning authority	HD		11	O	..	
1.4.1	namespace ID	IS	HL70363	3	O	..	
1.4.2	universal ID	ST		3	O	..	
1.4.3	universal ID type	ID	HL70301	3	O	..	
1.5	identifier type code (ID)	ID	HL70203	3	O	..	
1.6	assigning facility	HD		11	O	..	
1.6.1	namespace ID	IS	HL70363	3	O	..	
1.6.2	universal ID	ST		3	O	..	
1.6.3	universal ID type	ID	HL70301	3	O	..	
1.7	effective date (DT)	DT		3	O	..	
1.8	expiration date	DT		3	O	..	
7	Prior Patient Name	XPN		1103	O	0..*	
7.1	family name	FN		19	O	..	
7.1.1	surname	ST		3	O	..	
7.1.2	own surname prefix	ST		3	O	..	
7.1.3	own surname	ST		3	O	..	
7.1.4	surname prefix from partner/spouse	ST		3	O	..	
7.1.5	surname from partner/spouse	ST		3	O	..	
7.2	given name	ST		3	O	..	
7.3	second and further given names or initials	ST		3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
	thereof						
7.4	suffix (e.g., JR or III)	ST		3	O	..	
7.5	prefix (e.g., DR)	ST		3	O	..	
7.6	degree (e.g., MD)	IS	HL70360	3	O	..	
7.7	name type code	ID	HL70200	3	O	..	
7.8	Name Representation code	ID	HL70465	3	O	..	
7.9	name context	CE	HL70448	20	O	..	
7.9.1	identifier	ST			O	..	
7.9.2	text	ST		3	O	..	
7.9.3	name of coding system	IS	HL70396	3	O	..	
7.9.4	alternate identifier	ST		3	O	..	
7.9.5	alternate text	ST		3	O	..	
7.9.6	name of alternate coding system	IS	HL70396	3	O	..	
7.10	name validity range	DR		7	O	..	
7.10.1	range start date/time	TS		3	O	..	
7.10.2	range end date/time	TS		3	O	..	

AL1 - Patient allergy information

- Usage: Optional
- Cardinality:0..*
- Implementation note: Only for A08 and A28

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - AL1	CE		483	O	0..1	
1.2	text	ST		3	O	..	
1.3	name of coding system	IS	HL70396	3	O	..	
1.4	alternate identifier	ST		3	O	..	
1.5	alternate text	ST		3	O	..	
1.6	name of alternate coding system	IS	HL70396	3	O	..	
2	Allergen Type Code	CE	HL70127	483	R	1..1	
2.2	text	ST		3	O	..	
2.3	name of coding system	IS	HL70396	3	O	..	
2.4	alternate identifier	ST		3	O	..	
2.5	alternate text	ST		3	O	..	
2.6	name of alternate coding system	IS	HL70396	3	O	..	
3	Allergen Code/Mnemonic/Description	CE		483	R	1..1	
3.2	text	ST		3	O	..	
3.3	name of coding system	IS	HL70396	3	O	..	
3.4	alternate identifier	ST		3	O	..	
3.5	alternate text	ST		3	O	..	
3.6	name of alternate coding system	IS	HL70396	3	O	..	
4	Allergy Severity Code	CE	HL70128	483	O	0..1	
4.2	text	ST		3	O	..	
4.3	name of coding system	IS	HL70396	3	O	..	

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
4.4	alternate identifier	ST		3	O	..	
4.5	alternate text	ST		3	O	..	
4.6	name of alternate coding system	IS	HL70396	3	O	..	
5	Allergy Reaction Code	ST		15	O	0..*	
6	Identification Date	DT		8	O	0..1	

6. Identification Date

PATIENT_ITEMS\PI_DATEFROM

OBX - Observation/Result

- Usage: Optional
- Cardinality:0..*
- Implementation note: OBX lines will be generated for patient remarks

Seq.	Name	Type	Table	Len.	Opt.	Card.	Contents
1	Set ID - OBX	SI		4	O	0..*	
2	Value Type	ID	HL70125	2	R	1..1	e.g. FT
3	Observation Identifier	CE		483	R	1..1	
3.2	text	ST		3	O	..	
3.3	name of coding system	IS	HL70396	3	O	..	
3.4	alternate identifier	ST		3	O	..	
3.5	alternate text	ST		3	O	..	
3.6	name of alternate coding system	IS	HL70396	3	O	..	
4	Observation Sub-Id	ST		20	C	0..1	
5	Observation Value	TX		65536	R	1..1	e.g. CLINICAL

3. Observation Identifier

Unique identifier for the attachment type
ex:

5. Observation Value

P_REMARK

P_REMARK_INFO

PATIENT_ITEMS based on parameter

End of segment group PATIENT