

# ZorgDomein **HL7 V2.5.1 OML** **(LFDv1) Specifications**

Laboratory Order Message

2016  
V1.15



# Introduction

This document describes the technical specifications of the ZorgDomein HL7 V2.5 OML (LFDv1) message. This message is used for diagnostic requests. The message model describes the structure of this message, where square brackets '[' ]' imply optional segments and curly brackets '{ }' imply repeatable segments.

The subsequent sections describe the contents of these segments. The abbreviation 'Elem.nr' denotes the element number.

ZorgDomein adheres to the maximum character length of field content and required fields according to the international HL7 V2.5 specifications.

In this document, the term 'acting referrer' describes the person that used ZorgDomein and actually referred the patient. The term 'responsible referrer' describes the person that is responsible for that referral. The two often relate to the same person.

If the ZorgDomein content consists of a value between two double quotes, that value is the fixed value of that specific element.

## Message Model

Segment	Description	Page
MSH	Message Header	3
PID	Patient Identification	3
PV1	Patient Visit	4
IN1	Insurance	4
{		
ORC	Common Order	5
TQ1	Time/Quantity	6
OBR	Observation Request	6
[ { OBX } ]	Observation/Result	7
}		

# Segment specifications

## MSH segment

Elem.nr.	Field name	ZorgDomein content
1	Field Separator	" ".
2	Encoding Characters	"^~\&".
3.1	Sending Application	"ZorgDomein".
5.1	Receiving Application	Name of the receiving application.
6.1	Receiving Facility	Name of the receiving facility.
7	Date/Time Of Message	Date/time of message creation. Format: yyyyMMddHHmmss+HHmm.
9.1	Message Type	"OML".
9.2		"O21".
9.3		"OML_O21".
10	Message Control ID	ZorgDomein number. Format: ZDnnnnnnnn, where each n denotes a digit.
11.1	Processing ID	"P".
12.1	Version ID	"2.5".
17	Country Code	"NLD".
18	Character Set	"8859/1".

## PID segment

Elem.nr.	Field name	ZorgDomein content
1	Set ID - PID	"1".
3.1	Patient Identifier List	Three options, depending on presence. A overrides B, B overrides C: A) CS-Zorgportaal patient ID. B) The patient's BSN number. C) ZorgDomein number. Format: ZDnnnnnnnn, where each n denotes a digit.
3.4.1		If PID-3.1 option B: "NLMINBIZA".
3.5		If PID-3.1 option A: "ZIS_ID". If PID-3.1 option B: "NNLD". If PID-3.1 option C: "ZDID".

5.1.1	Patient Name	The patient's full surname.
5.1.2		Prefix of surname in PID-5.1.3.
5.1.3		The patient's own surname (without prefix).
5.1.4		Prefix of surname in PID-5.1.5.
5.1.5		The patient's spouse surname (without prefix).
5.2		The patient's first initial.
5.3		The patient's second and further initials, separated by spaces.
5.7	"L".	
7	Date/Time of Birth	The patient's date of birth. Format: yyyyMMdd.
8	Administrative Sex	If the patient's sex is male: "M". If the patient's sex is female: "F".
11.1.1	Patient Address	Combination of PID-11.1.2, PID-11.1.3, and PID-11.2.
11.1.2		The patient's home street name.
11.1.3		The patient's home dwelling number.
11.2		The patient's home other designation.
11.3		The patient's home city name.
11.5		The patient's home postal code.
11.6		The patient's home country code.
11.7	"H".	
13.1	Phone Number - Home	The patient's phone number.
13.3		If PID-13.1 contains a value: "PH".

## PV1 segment

Elem.nr.	Field name	ZorgDomein content
1	Set ID - PV1	"1".
2	Patient Class	"O".

## IN1 segment

Elem.nr.	Field name	ZorgDomein content
1	Set ID - IN1	"1".
2.2	Insurance Plan ID	"null".
3.1	Insurance Company ID	"0".
3.5	Company ID	"LOCAL".
4.1	Insurance Company Name	The patient's insurance company name.
36	Policy Number	The patient's policy number.

## ORC segment

Elem.nr.	Field name	ZorgDomein content
1	Order Control	"NW".
2.1	Placer Order Number	ZorgDomein number with sequence number and optional suffix. Format: ZDnnnnnnnnn_nn[suffix], where each n denotes a digit. The underscore is followed by the sequence number, which is unique within the message, starting from 01. The suffix consists of an undetermined number of characters/numbers and is configurable by the receiving organization.
3.1	Filler Order Number	If order manager is applicable: the numeric code of the sample.
4.1	Placer Group Number	ZorgDomein number. Format: ZDnnnnnnnnn, where each n denotes a digit.
7.4.1	Quantity/Timing	Requested date for home sampling. Format: yyyyMMddHHmmss+HHmm.
7.6		If the acting referrer wishes the results to be called in or faxed: "S". Else: "R".
9	Date/Time of Transaction	Date/time of diagnostic request initiation. Format: yyyyMMddHHmmss+HHmm.
10.1	Entered By	Two options, depending on applicability of order manager. A) If order manager is applicable: the collect employee's AGB code. B) If not: the acting referrer's AGB code.
10.2.3		If ORC-10.1 option A: the collect employee's full surname. If ORC-10.1 option B: the acting referrer's full surname.
10.3		If ORC-10.1 option A: the collect employee's initials. If ORC-10.1 option B: the acting referrer's initials.
10.9.1		If ORC-10.1 contains a value: "VEKTIS".
12.1		Ordering Provider
12.2.3	Provider	The responsible referrer's full surname.
12.3		The responsible referrer's initials.
12.9.1		"VEKTIS".
14.1	Call Back Phone Number	Two options, depending on presence. A overrides B: A) Phone number for results. B) Fax number for results.
14.3		If ORC-14.1 option A: "PH". If ORC-14.1 option B: "FX".
17.1	Entering Organization	The AGB code of the selected facility.
17.2		The name of the selected facility's location.
17.3		"L".

## TQ1 segment

Elem.nr.	Field name	ZorgDomein content
1	Set ID - TQ1	Sequence number unique within message for TQ1 segment. Initial value: "1". Equal to respective OBR-1 value.
9.1	Priority	If the acting referrer wishes the results to be called in or faxed: "S". Else: "R".

## OBR segment

Elem.nr.	Field name	ZorgDomein content
1	Set ID - OBR	Sequence number unique within message for OBR segment. Initial value: "1". Equal to respective TQ1-1 value.
2.1	Placer Order Number	ZorgDomein number with sequence number and optional suffix. Format: ZDnnnnnnnnn_nn[suffix], where each n denotes a digit. The underscore is followed by the sequence number, which is unique within the message, starting from 01. The suffix consists of an undetermined number of characters/numbers and is configurable by the receiving organization.
3.1	Filler Order Number	If order manager is applicable: the numeric code of the sample.
4.1	Universal Service Identifier	Two options per OBR segment, depending on type of observation: A) If diagnostic test: code of diagnostic test. B) If home sampling information: code of home sampling option/information.
4.2		If OBR-4.1 option A: name of diagnostic test. If OBR-4.1 option B: name of home sampling option/information.
4.3		If OBR-4.1 contains a value: "L".
6.1	Requested Date/Time	Requested date for home sampling. Format: yyyyMMddHHmmss+HHmm.
10.1	Collector Identifier	If order manager is applicable: the collect employee's AGB code.
10.2.3		If order manager is applicable: the collect employee's full surname.
10.3		If order manager is applicable: the collect employee's initials.
10.9.1		If OBR-10.1 contains a value: "VEKTIS".
11	Specimen Action Code	If home sampling is requested: "L". Else: "O".
13	Relevant Clinical Information	Names of problem groups that include the diagnostic test, as selected by the acting referrer.

16.1	Ordering Provider	The responsible referrer's AGB code.
16.2.3		The responsible referrer's full surname.
16.3		The responsible referrer's initials.
16.9.1		"VEKTIS".
17.1	Order Callback Phone Number	Two options, depending on presence. A overrides B: A) Phone number for results. B) Fax number for results.
17.3		If OBR-17.1 option A: "PH". If OBR-17.1 option B: "FX".
28.1	Result Copies to	Code as entered by the acting referrer to send copy to.
28.2.1		Name of person as entered by the acting referrer to send copy to.
28.9.1		If OBR-28.1 contains a value: "VEKTIS".

## OBX segment

Elem.nr.	Field name	ZorgDomein content
1	Set ID - OBX	Sequence number unique within the combination of respective ORC, OBR, and OBX segments. Initial value: "1".
2	Value Type	"ST".
3.1	Observation Identifier	Two options, depending on presence. A overrides B: A) Code of option of the linked question. B) Code of linked question. Exception: additional information may be provided by the referrer. In this case there is no respective OBR segment. This exception only occurs once per message. Code: "AI".
3.2		If OBX-3.1 option A: value of option of the linked question. If OBX-3.1 option B: label of linked question. If OBX-3.1 is dedicated to the exception: "opmerkingen / klinische gegevens" or "Reden van verwijzing, vraagstelling".
3.3		If OBX-3.1 contains a value: "L".
5	Observation Value	If OBX-3.1 option A: value of option of the linked question. If OBX-3.1 option B: value of linked question. If OBX-3.1 is dedicated to the exception: value of the linked question.
11	Observation Result Status	"F".

## Effect of order manager on OBX segment

If order manager is applicable, the OBX segment is repeated for every order manager specific question with predetermined values for the OBX-3 field. The following values are used. Every rule of the table below represents a new OBX segment.

OBX-3.1	OBX-3.2	OBX-3.3
"AF1".	"afnamelocatie".	"L".
"AF3".	"patient nuchter".	"L".
"AF4".	"capilair".	"L".
"AF5".	"urine".	"L".
"AF6".	"meerling".	"L".
"AF7".	"opmerkingen".	"L".
"TP1".	"uitwisseling gegevens met arts/zorgverlener".	"L".
"TP2".	"gebruik materiaal t.b.v. wetenschappelijk onderzoek".	"L".

The OBX-5 field will contain the answer corresponding to the OBX-3 field, as provided by the collect employee.