**Conformance Statement –**

**PID Segment**

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# Introduction

## Purpose

The purpose of this document is to provide general guidelines for Patient Identification (PID) segment. Trigger events that include this segment will use this specification as a basis. For specific constraints and/or additions – refer to the PID segment structure specified in the conformance statement of the affected trigger event.

## Target Group

This document is intended for external suppliers and system administrators at VGR.

## References

For details on the message segments and trigger events – review the HL7 Messaging Standard Version 2.6 Product Brief:

* Chapter 2 (Control)
* Chapter 3 (Patient Administration)

## Message Profile

– HL7 Version: 2.6

– Profile Type: Constrainable

## Revision history

|  |  |  |  |
| --- | --- | --- | --- |
| Revision | Datum | Beskrivning | Utfärdare |
| PA1 | 2016-10-14 | Initial version | Robin Seybold |
| PA2 | 2016-10-19 | Added *PID-26 Citizenship* and *PID-21 Mother’s Identifier* | Albert Örwall |
| PA3 | 2016-11-24 | Finalized the Patient Identifier List | Robin Seybold |
| PA4 | 2016-12-08 | Corrected OIDs for VGRegion and Skatteverket in *Figure 1.5.1-1 - Table of supported patient identifiers.* Removed PID-26 Citizenship as there is no available source of information. | Joakim Berg |

# PID – Patient Identification

The PID segment is used by all applications as the primary means of communicating patient identification information. This segment contains permanent patient identifying and demographic information that, for the most part, is not likely to change frequently.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Seq. | Name | Type | Table | Len. | Opt | Card | Contents |
| 1 | Set ID – PID | SI |  | 4 | O | 1..1 | e.g. 001 |
| 2 | Patient ID | CX |  | 20 | B | 0..1 | a copy of the identifier at first position in the Patient Identifier List (PID-3) |
| 3 | Patient Identifier List | CX |  |  | R | 0..\* |  |
| 3.1 | id number | ST |  | 15 | R | .. | e.g. 201212121212 |
| 3.4 | assigning authority | HD | 0363 | 227 | O | 0..1 |  |
| 3.4.1 | namespace id | IS | 0300 | 20 | O | 0..1 | e.g. Skatteverket |
| 3.4.2 | universal id | ST |  | 999 | C | 0..1 | e.g. 1.2.752.113 |
| 3.4.3 | universal id type | ID | 0301 | 6 | C | 0..1 | e.g. ISO |
| 3.5 | identifier type code | ID | 0203 | 5 | R | .. | e.g. NNSWE |
| 3.7 | effective date | DT |  | 8 | O | 0..1 | e.g. 20121212 |
| 3.8 | expiration date | DT |  | 8 | O | 0..1 | e.g. 20180113 |
| 5 | Patient Name | XPN |  | 250 | R | 1..\* |  |
| 5.1 | family name | FN |  | 194 | C | 0..1 | e.g. Svensson |
| 5.2 | given name | ST |  | 30 | O | 0..1 | e.g. Sven |
| 5.3 | second and further given... | ST |  | 30 | O | 0..1 | e.g. Arne |
| 5.7 | name type code | CWE | 0200 | 1 | O | 0..1 | e.g. L |
| 7 | Date/Time of Birth | DTM |  | 8 | O | 0..1 | e.g. 20121212 |
| 8 | Administrative Sex | IS | 0100 | 1 | O | 0..1 | e.g. M or F |
| 9 | Patient Alias | XPN |  | 31 | B | 0..1 |  |
| 9.2 | given name | ST |  | 30 | R | 1 | e.g. Nisse |
| 9.7 | name type code | ID | 0200 | 1 | R | 1 | N (Nickname) |
| 11 | Patient Address | XAD |  |  | O | 0..\* |  |
| 11.1 | street address | SAD |  | 184 | O | 0..1 | e.g. Gatan 1 |
| 11.2 | other designation | ST |  | 120 | O | 0..1 |  |
| 11.3 | city | ST |  | 50 | O | 0..1 | e.g. Göteborg |
| 11.4 | state or province | ST |  | 50 | O | 0..1 | e.g. Västra Götalands län |
| 11.5 | zip or postal code | ST |  | 12 | O | 0..1 | e.g. 40010 |
| 11.6 | country | ST |  | 30 | O | 0..1 | name of country |
| 11.7 | address type | ID | 0190 | 3 | O | 0..1 | e.g. P |
| 11.9 | county parish code | IS | scb\_counties\_and\_municipalities | 4 | O | 0..1 | e.g. 1480 (Göteborg) |
| 11.10 | census tract | IS |  | 20 | O | 0..1 | e.g. 1320155 |
| 11.18 | address usage | ID | 0617 | 3 | O | 0..1 | e.g. M |
| 13 | Phone Number Home | XTN |  | 250 | O | 0..\* |  |
| 13.1 | telecommunication use code | ID | 0201 | 3 | O | 0..1 | e.g. PRS |
| 13.2 | telecommunication equipment type | ID | 0202 | 3 | 1. O | 0..1 | e.g. PH |
| 13.4 | communication address | ST |  | 199 | O | 0..1 | e.g. [sven.svensson@mail.nu](mailto:sven.svensson@mail.nu) |
| 13.12 | unformatted telephone number | ST |  | 199 | O | 0..1 | e.g. 031-1234567 |
| 13.13 | effective start date | DTM |  | 24 | O | 0..1 | e.g. 20150102 |
| 13.14 | expiration date | DTM |  | 24 | O | 0..1 | e.g. 20160304 |
| 14 | Phone Number Business | XTN |  | 250 | O | 0..\* |  |
| 14.1 | telecommunication use code | ID | 0201 | 3 | O | 0..1 | e.g. WPN |
| 14.2 | telecommunication equipment type | ID | 0202 | 3 | O | 0..1 | e.g. PH |
| 14.4 | communication address | ST |  | 199 | O | 0..1 | e.g. [sven.svensson@mail.nu](mailto:sven.svensson@mail.nu) |
| 14.12 | unformatted telephone number | ST |  | 199 | O | 0..1 | e.g. 031-1234567 |
| 14.13 | effective start date | DTM |  | 24 | O | 0..1 | e.g. 20150102 |
| 14.14 | expiration date | DTM |  | 24 | O | 0..1 | e.g. 20160304 |
| 16 | Marital Status | CWE |  | 705 | O | 0..1 |  |
| 16.1 | identifier | ST |  | 20 | O | 0..1 | e.g. M |
| 16.3 | name of coding system | ID | 0396 | 20 | O | 0..1 | e.g. HL70002 |
| 16.4 | alternate identifier | ST |  | 20 | O | 0..1 | e.g. G |
| 16.6 | name of alternate coding system | ID | VGR0001 | 20 | O | 0..1 | e.g. SKV civilstand |
| 20 | Driver’s License Number - Patient | DLN |  | 25 | B | 0..1 | e.g. 121212-1212 |
| 21 | Mother’s Identifier | CX |  | 250 | O | 0..\* |  |
| 21.1 | id number | ST |  | 15 | R | .. | e.g. 191212121212 |
| 21.4 | assigning authority | HD | 0363 | 227 | O | 0..1 |  |
| 21.4.1 | namespace id | IS | 0300 | 20 | O | 0..1 | e.g. Skatteverket |
| 21.4.2 | universal id | ST |  | 999 | C | 0..1 | e.g. 1.2.752.113 |
| 21.4.3 | universal id type | ID | 0301 | 6 | C | 0..1 | e.g. ISO |
| 3.5 | identifier type code | ID | 0203 | 5 | R | .. | e.g. NNSWE |
| 23 | Birth Place | ST |  | 250 | O | 0..1 | e.g. KUNGÄLV, Västra Götalands län |
| 29 | Patient Death Date and Time | DTM |  | 24 | O | 0..1 | e.g. 20130304 |
| 30 | Patient Death Indicator | ID | 0136 | 1 | O | 0..1 | e.g. Y |

**1. Set ID – PID**

This field contains the number that identifies this transaction. For the first occurrence of the segment, the sequence number shall be one, for the second occurrence, the sequence number shall be two, etc.

**2. Patient Identifier**Retained for backward compatibility. Contains a copy of the primary identifier located at first position in the patient identifier list (PID-3).

**3. Patient Identifier List**  
This field contains the list of identifiers (one or more) used by the healthcare facility to identify a patient.

At VGR, this list can be used for two reasons; identifying the patient by using a “personnummer”, a “samordningsnummer” or a “reservnummer” which are the primary identifier types used to uniquely identify a patient.   
In addition to these, the list can contain external identifiers associated with the patient where some may be unique identifiers and others not.  
The table below lists currently supported identifier type definitions.

Figure 1-1 - Table of supported patient identifiers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID Type | Namespace ID | Universal ID | UID Type | Identifier Type Code |
| Personnummer / Samordningsnummer | Skatteverket | 1.2.752.59 | ISO | NNSWE |
| Reservnummer | VGRegion | 1.2.752.113 | ISO | MR |
| LMA-nummer | Migrationsverket | 1.2.752.111 | ISO | PN |
| EU/EES-kortnummer | Försäkringskassan | 1.2.752.146 | ISO | HC |
| eFrikortnummer | - | - | - | HC |
| Körkortsnummer | - | - | - | DL |
| Passnummer | - | - | - | PPN |
| Självincheckningskod | VGRegion.IS | - | - | PT |

There can exist multiple occurrences of each ID, by using *PID-3-7 – Effective Date* and *PID-3-8 – Expiration Date* one should be able to determine which ID:s are active.

**3.1. id number**

The value of the identifier itself.

**3.4. assigning authority**

**3.4.1. namespace id**

The namespace id code will be set according to the table above.

**3.4.2. universal id**

The universal id code will be set according to the table above.

**3.4.3. universal id type**

The universal id type code will be set according to the table above.

**3.5. identifier type code**

A code corresponding to the type of identifier. This code will be used as a qualifier to the “Assigning authority” component. The identifier type code will be set according to the table above.

**3.7. effective date**

The first date, if known, on which the identifier is valid and active.

**3.8. expiration date**

The last date, if known, on which the identifier is valid and active.

**5. Patient name  
  
5.1. family name**  
This field contains the patient’s surname.  
If the patient has protected identity (5.7 name type code = ‘S’ (Coded Pseudo-Name to ensure anonymity)), the value should be set to “Skyddad identitet”.

**5.2. given name**  
This field contains the patient’s “primary” given name. I.e. if the patient information origins from Skatteverket (folkbokföring), the given name is the name(s) appointed as “tilltalsnamn”. If the patient has protected identify (5.7 name type code = ‘S’ (Coded Pseudo-Name to ensure anonymity)), the given name will be empty.

**5.3. second and further given names or initials thereof**This field contains the patient’s “non-primary” given names. I.e. if the given name in 5.2 was appointed as Skatteverkets tilltalsnamn, 5.3 will contain all the given names **not** appointed by the same.

**5.7. name type code**  
A type code identifier for the name of the patient. A code value identifying the transaction medium. Refer to User-defined Table 0200 – Name type for suggested codes.

User-defined Table 0200 – Name type

|  |  |  |
| --- | --- | --- |
| Value | Description | Comment |
| L | Legal Name | Type code for a patient legal name |
| S | Coded Pseudo-Name to ensure anonymity | Type code for a patient whose real identity is protected or suppressed |
| N | Nick Name | Type code for a preferred nick name provided by the patient. |

**7. Date/Time of Birth**  
The date of the patient’s birth on the format YYYYMMDD. No time information will be available.  
For a patient identified by a “Personnummer” the date will be extracted from the initial part of the identifier.

For a patient identified by a “Reservnummer” the date will be provided by the VGR source system.

**8. Administrative Sex**This field contains the patient administrative, M(ale), F(emale) or U(nknown)**.**

**9. Patient Alias**

This field is retained for backward compatibility with versions prior to v 2.4.  
The same information will be available as a separate name in the PID-5 list.

**9.2. given name**A preferred “nick name” provided by the patient.

**9.7. name type code**The alias name will have type code ‘N’ (Nick name). See table under 5.7. above.

**11. Patient Address**This field contains the list of patient addresses. A patient may have several addresses, where primary address will be at the first position in this list.  
The possible types of addresses and their type/usage codes are described by the table below.  
The patient address list order will be according to the address type priority as listed in the table below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address Type | Provided by | Address Type (table 0190) | Address Usage (table 0617) | Priority |
| “Patient provided address” | Patient self or relative | M(ailing) | M(ailing) | 1 |
| “Patient provided address” | Patient self or relative | B(illing) | M(ailing) | 2 |
| Förmedlingsadress | Lokala skattekontoret | M(ailing) | M(ailing) | 3 |
| Utlandsadress | Skatteverket | H(ome) | M(ailing) | 4 |
| Särskild postadress | Skatteverket | C(urrent temporary) | M(ailing) | 5 |
| Folkbokföringsadress | Skatteverket | P(ermanent) | M(ailing) | 6 |

**11.1. street address**This field will contain the first line of the available street address information.  
If the patient has a c/o address, it will be presented here.

**11.2. other designation**This field will contain the remaining lines of the street address information if more than one line exists.

**11.3. city**This field will contain the information corresponding to “postort”.

**11.4. state or province**This field will contain the name of the Swedish “Län”, e.g. Västra Götalands län.

**11.5. zip or postal code**This field will contain the postal code.

**11.6. country**This field will the name of the country in case the address is not within Sweden.

**11.7. address type**The address type code will be set according to the table above.

**11.9. county/parish code**This field will contain the coded value of “kommunkod”, as defined in codeset ***scb\_counties\_and\_municipalities***, e.g. 1480 för Göteborg.

**11.10. census tract**This field will contain the value of “distriktskod”.

**11.18. address usage**The address usage code will be set according to the table above.

**13. Phone Number Home**

This field will contain a list of personal phone numbers and email address.  
A patient may have several registered phone numbers, where primary number will be at the first position in this list. The possible type/usage codes are described by the table below.  
The phone number list order will be according to the address type priority as listed in the table below.

|  |  |  |  |
| --- | --- | --- | --- |
| Contact address (phone, email) | Equipment Type (table 0202) | Use code (table 0201) | Prio |
| Personal mobile phone number | CP | PRS | 1 |
| Home phone number | PH | PRN | 2 |
| e-mail addresss | Internet | PRS | 3 |

**13.1. telecommunication use code**

The use code per table 0201 as described in table above.

**13.2. telecommunication equipment type**

The equipment type code per table 0202 as described in table above.

**13.4.** **communication address**

This field will contain e-mail address if that is the type.

**13.12. unformatted telephone number**This field will contain the telephone number.

**13.13. effective start date**If present, this field will contain the start date of validity of the contact info, on the format YYYYMMDD.

**13.14. expiration date**If the contact info has expired, this field will contain the date on the format YYYYMMDD.

**14. Phone Number Business**

A single business (or work) contact address is supported. The possible type/usage codes are described by the table below.

|  |  |  |
| --- | --- | --- |
| Contact address (phone, email) | Equipment Type (table 0202) | Use code (table 0201) |
| Work phone number | PH | WPN |

**14.1. telecommunication use code**

The use code as of table 0201 as described above.

**14.2. telecommunication equipment type**

The equipment type code as of table 0202 as described above.

**14.4.** **communication address**

This field will contain e-mail address if that is the type.

**14.12. unformatted telephone number**This field will contain the telephone number.

**14.13. effective start date**If present, this field will contain the start date of validity of the contact info, on the format YYYYMMDD.

**14.14. expiration date**If the contact info has expired, this field will contain the date on the format YYYYMMDD.

**16. Marital Status**

**16.1. identifier**

This field contains the marital status code as of code table 0002.

**16.3. name of coding system**This field contains the name of the coding system, HL70002.

**16.4. alternate identifier**This field contains the marital status code as defined by source system Skatteverket – “SKV civilstand”.

**16.6. name of alternate coding system**This field contains the name of the alternate coding system, “SKV civilstand”.

**20. Driver’s License Number – Patient**

From V2.5 onward, this field has been retained for backward compatibility only. It is recommended to use PID-3 - Patient Identifier List for all patient identifiers.

**21. Mother’s Identifier**

This field is used to identify the mother when the PID represents a newborn or fetus without a patient id. This field can contain multiple identifiers for the same mother.

**23. Birth Place**

The place where the patient was born, if information present.  
If patient was born in Sweden, the birth place information will be the “län” and the code of the “församling”, concatenated.  
If the patient was born abroad (from Sweden), the birth place information will be the city and country if that information is present.

**29. Patient Death Date and Time**If the patient is diseased, this field will contain the death date on the format YYYYMMDD and precision may be on D(ay), M(onth) or Y(ear) degree.

**30. Patient Death Indicator**Indicates patient death. If present, Y will represent a diseased patient, N otherwise.