



prENV 12612 – Messages for the exchange of healthcare administrative information

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- 15 Patient administrative messages
- Duplicates a set of HL7 v2 messages
- Produced without formal evaluation of the user requirements in Europe

Messages

- request for unique identifier of patient on registration system,
- request for administrative information of an identified patient,
- request for patient list for given selection criteria,
- message to add patient registration record,
- message to modify patient registration record,
- message to add patient related payment record,
- message to modify patient related payment record,
- message to add patient related event record,
- message to modify patient related event record,
- message to link/unlink patient registration records,
- message to link/unlink action events,
- patient unique identification report,
- patient administrative information report,
- patient administrative list report,
- message for acknowledgement of receipt.

Issues for Consideration

- Messages related to patient identification and patient admission, discharge or transfer
- Philosophy of having one central repository of patient-administrative information in a hospital and broadcasting this information to other departmental systems
 - This is a technique that is often not used in Europe (and even not allowed in some countries)
- Patient administrative information increasingly being handled by electronic healthcare record systems directly

Categories of messages

- Patient identification messages
- Query messages and response to queries
- Patient/event registration messages
- Payment messages
- Acknowledgement messages

Patient identification messages

- Messages
 - patient unique identification report
 - request for unique identifier of patient on registration system
- There is still a need to be able to fetch unique patient identifiers from local, regional or national citizen registries.
- Such messages are already implemented and in use in Europe
 - using the EDIFACT message type MEDPID

Query messages and response to queries

- Messages
 - request for administrative information of an identified patient
 - request for patient list for given selection criteria
 - patient administrative information report
 - patient administrative list report
- These messages allows for
 - the request for patient administrative information for one single patient or a set of patients
 - fulfilling a set of selection criteria
 - the resulting response to these queries

What to do?

- Use an SQL-query
- Specify specific, standardized messages for all
- Use (modified) messages from 13606 for individual persons
 - The Request for healthcare record information messages
 - The Electronic healthcare record message
 - Add Request for patient list message (request for existing documents probably needed anyway)
 - Add Patient administrative list report (report of existing documents probably needed anyway)

Patient/event registration messages

- Messages
 - message to add patient registration record
 - message to modify patient registration record
 - message to link/unlink patient registration records
 - message to add patient related event record
 - message to modify patient related event record
 - message to link/unlink action events

What to do?

- Used to provide information about patients and their action events and to correct earlier information. (a visit, a hospital stay or a clinical procedure)
- Some of these message types are in use in Europe
 - as HL7 v2 messages
 - as EDIFACT message type MEDADT
- All of these messages sub-sets of the EN 14720 and could probably be handled by this standard.
- These message types to be replaced by message types of EN 14720

Payment messages

- Messages
 - message to add patient related payment record
 - message to modify patient related payment record
- to send information from a health insurance company to a medical service provider about the payment guarantor details and payment conditions.
- not part of traditional patient administrative messages (part of an economical sub-system)
- need to include other message types in this sub-system
 - messages from a medical service provider to the health insurance company concerning the eligibility of the patient.
 - messages for billing from a medical service provider to a health insurance company

Acknowledgement messages

- Message(s)
 - message for of acknowledgement receipt
- Need to define one or more generic messages for acknowledgement of the receipt of any other message.
- This requirement is already identified and proposed as a TC251 work item.

Recommendations

- An EN for patient identification message types should be produced
- Query and query response message types should be specified as part of EN 13606
- The patient/event registration message types should be replaced by EN 14720
- The payment message types should be moved to a separate (pre-) standard that should also include other financial message types. A taskforce might be established to define the scope of such a standard
- A work item for acknowledgement message types are already defined and work should be continued
- All new message type definitions should be based upon the GPICs as used in EN 14720