

Examples of ADT^A08 (Patient Demographic Update) Message Transactions

This document includes two sections. The first section provides you with an example of an ADT^A08 message in each of the three Public Health Information Network (PHIN) specific HL7 messages either in use or potentially approved for Electronic Laboratory Reporting (ELR) use. The second section describes a scenario in which an ELR application receives a result transaction, ORU^R01 or OUL^R22, followed by the ADT^A08.

Example ADT^A08 – HL7 version 2.3 or 2.3z message

Required message segments

MSH
EVN
PID

```
MSH|^~\&||ELR test lab^00D0000000^CLIA|ELR|DOH  
|200611011102000||ADT^A08|20062850000020|T|2.3|  
EVN|A08|200611011102000|  
PID|1|^^^^^CITY HOSPITAL CENTER&00D0000000&CLIA|2320021^^^^^ELR  
Hospital Center&00D0000000&CLIA||Test^Patient 1||19231031|F||W|100 High  
St^City^State^ZIP||^123^5551212|^123^5551213|||123456789||U
```

Example ADT^A08 – HL7 version 2.3.1 message

Required message segments

MSH
EVN
PID
PV1

```
MSH|^~\&||Test  
lab^00D0000000^CLIA|ELR|DOH|200611011102000||ADT^A08^ADT^A01|20062800000  
02|T|2.3|  
EVN|A08|200611011102100|  
PID|1|^^^^^City Hospital Center&00D0000000&CLIA|2320023^^^^^City  
Hospital&00D0000000&CLIA||Test^Patient 2||19940910|M||100 Main  
Street^City^State^ZIP^M||^123^5551212|^123^5551213|||2345678  
90||U|  
PV1||I
```

Example ADT^A08 – HL7 version 2.4 message

Required message segments

MSH
EVN
PID

Anthracis^L|||F||200611011500|00D0000000|612^Technologist^Medical|^
Manual^L|

Notice that there is very limited patient demographic data included in the PID segment.

Once the sending or in this case, the LIS application has been updated with additional demographic data, it transmits the following ADT^A08 message:

```
MSH|^~\&|ELR test  
lab^00D0000000^CLIA|ELR|DOH|20061101103821||ADT^A08^ADT  
A01|2006110100003|T|2.3|  
EVN|A08|20061101103821|  
PID|1|^^^^^ELR Hospital Center&00D0000000&CLIA|05932674^^^^^ELR  
Hospital&00D0000000&CLIA||Test^Patient 1|19231031|F||100 Kinloch  
Road^#2^^City^State^ZIP|^^^^^123^5551212|^^^^^123^5551213|||123456789  
||U|  
PV1||I
```

Based on the ADT^A08 trigger event, the receiving application would extract the additional demographic data elements and include them in the existing patient's record. Typically, data such as the patient's medical record number, first name and last name and date of birth are used as keys to locate the original patient, but applications vary in the data elements used.

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