

The following are examples of HL7 segments containing drug order data. This is not intended to explain all the fields in each of these segments or describe the HL7 messaging process but to show the minimum type of drug order data to provide for review.

#### ORC – Common Order Segment

ORC|order control|placer order number|||quantity/timing||Date/Time of Transaction

#### RXE – Pharmacy Encoded Order Segment

RXE|quantity^interval^duration^Start Date/Time^End Date/Time^priority|give code identifier^give code text^coding system|give amount minimum|give amount maximum|give units|give dosage form

#### RXR – Pharmacy Route Segment

RXR|route code^route text

#### RXC – Pharmacy Component Order Segment (this segment is used for compound drugs or IV solution when the base and additive components need to be specified)

RXC|component type|component code (code, text, coding system)|component amount|component units|component strength|component strength units

1. New order for intravenous order of pantoprazole in sodium chloride

```
ORC|NW|RX12345^ABC|||1^^INDEF^201108250200^^RTN||20110825012431
RXE|1^^INDEF^201108250200|00338004902^SODIUM CHLORIDE 0.9 %^NDC|230||ML|SOLP
RXR|IV|
RXC|B|00338004902^SODIUM CHLORIDE 0.9 %^NDC|230|ML
RXC|A|00008092355^PANTOPRAZOLE SODIUM^NDC|80|MG|40|MG
```

2. New Order for oral drug give once

```
ORC|NW|20352777||AC|||201108250625
RXE|^NOW^^201108250625|WARF5^WARFARIN SODIUM|5||MG|TABLET
RXR|ORAL
```

3. New order for oral drug with specified start and stop time

ORC|NW|28833^EFG||||^DAILY&0900^^20110812110000^20110825001058||20110825001057  
RXE|^DAILY@0900^^20110812110000^20110825001058|3433^LISINOPRIL 20 MG TAB UD|40||mg|TAB^Tab|  
RXR|PO^Oral

4. Discontinuation order for intravenous drug ranitidine in sodium chloride

ORC|DC|18686^EFG||||^Q8&0600,1400,2200^^20110824140000^20110825000914||20110825000915  
RXE|^Q8@0600,1400,2200^^20110824140000^20110825000914|444^Ranitidine|100||mL|INJ  
RXR|IVPB^IVPB  
RXC|A|444^Ranitidine Inj 25 mg/mL (IV)|50|mg  
RXC|B|195^Sodium Chloride 0.9% 100 mL|100|mL