

IHE Change Proposal

Tracking information:

IHE Domain	Patient Care Device (PCD)
Change Proposal ID:	CP-PCD-056
Change Proposal Status:	Ballot
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Person assigned:	John Rhoads

Change Proposal Summary information:

Including BSA as an OBX-3 Observation Identifier	
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Submission Date:	11April2011
Integration Profile(s) affected:	PCD
Actor(s) affected:	IOP and IOC
IHE Technical Framework or Supplement modified:	Revision 1.2; September 30, 2010
Volume(s) and Section(s) affected:	Volume 2; Section 3.3.4.x.x lines 585-590, lines 880-887 and lines 900-905
<p>Rationale for Change:</p> <p>There are 5 accepted algorithms of calculation BSA based on the height and weight; hospitals can choose to use a combination of all 5 algorithms based on the area of care. This situation could lead to the the IOP and the IOC each calculating the BSA differently which in turn would cause the infusion pump to administer a dose incorrectly to the patient.</p> <p>MDC_AREA_BODY_SURF_ACTUAL is an ISO 11073 defined term</p>	

In section 3.3.4.2 update table between lines 585 and 590 with the following:

Segment	Meaning	Usage	Card	HL7 Chapter
MSH	Message Header	R	[1..1]	2
[{ SFT }]	Software	X		2
[{ NTE }]	Notes and Comments (for Header)	X		2
[--- PATIENT begin			
PID	Patient Identification	R	[1..1]	3
[{ NTE }]	Notes and Comments (for PID)	X		2
[{ AL1 }]	Allergy Information	X		2
[--- PATIENT_VISIT begin			
PV1	Patient Visit	O		3
[PV2]	Patient Visit – Additional Info	X		3
]	--- PATIENT_VISIT end			

Including BSA as an OBX-3 Observation Identifier

Segment	Meaning	Usage	Card	HL7 Chapter
]	--- PATIENT end			
{	--- ORDER begin			
ORC	Common Order	R	[1..1]	4
[[--- TIMING begin			
TQ1	Timing/Quantity	X		4
[[TQ2]]	Timing/Quantity Order Sequence	X		4
]]	--- TIMING end			
[--- ORDER_DETAIL begin			
RXO	Pharmacy /Treatment Order	X		4
[--- ORDER_DETAIL_SUPPLEMENT begin			
{ NTE }	Notes and Comments (for RXO)	X		2
{ RXR }	Pharmacy/Treatment Route	X		4
[[--- COMPONENTS begin			
RXC	Pharmacy/Treatment Component	X		4
[[NTE]]	Notes and Comments (for each RXC)	X		2
]]	--- COMPONENTS end			
]	--- ORDER_DETAIL_SUPPLEMENT end			
]	--- ORDER_DETAIL end			
[--- ENCODING begin			
RXE	Pharmacy/Treatment Encoded Order	X		4
{	--- TIMING_ENCODED begin			
TQ1	Timing/Quantity	X		4
[[TQ2]]	Timing/Quantity Order Sequence	X		4
}	--- TIMING_ENCODED end			
{ RXR }	Pharmacy/Treatment Route	X		4
[[RXC]]	Pharmacy/Treatment Component	X		4
]	--- ENCODING end			
{	--- GIVE begin			
RXG	Pharmacy/Treatment Give	R	[1..1]	4
{	--- TIMING_GIVE begin			
TQ1	Timing/Quantity	X		4
[[TQ2]]	Timing/Quantity Order Sequence	X		4
}	--- TIMING_GIVE end			
{ RXR }	Pharmacy/Treatment Route	R	[1..1]	4
[[RXC]]	Pharmacy/Treatment Component	X		4
{	--- OBSERVATION begin			
[OBX]	Observation/Results	R	[1..34]	7
[[NTE]]	Notes and Comments (for OBX)	X		2
}	--- OBSERVATION end			
}	--- GIVE end			

Including BSA as an OBX-3 Observation Identifier

Segment	Meaning	Usage	Card	HL7 Chapter
}	--- ORDER end			

In section 3.3.4.4.8 lines 880-887 update the following lines:

Point-of-Care Infusion Verification Profile the usage is limited to (1) providing the Device ID that will be used by the Infusion Order Consumer and (2) providing patient height, ~~and weight~~ or body surface area (BSA) information from the Infusion Order Programmer to the Infusion Order Consumer.

Note that the definition of the OBX segment in this profile is constrained from the definition used in the PCD Observation/Result Message to reflect this limited usage. The broader definition can be found in

B.8 OBX - Observation/Result segment.

One OBX segment containing the Device ID must always be present. ~~One or two~~ One to three additional OBX segments containing the patient height and/or patient weight and/or patient BSA may optionally follow.

In section 3.3.4.4.8 lines 900-905 add the following line:

OBX-3 Observation Identifier

The PCD PIV profile constrains the value of this field to one of the following:

68063^MDC_ATTR_PT_WEIGHT^MDC
 68060^MDC_ATTR_PT_HEIGHT^MDC
 69986^MDC_DEV_PUMP_INFUS_VMD^MDC
 69986^MDC_DEV_PUMP_INFUS_VMD^MDC
57672^MDC_AREA_BODY_SURF_ACTUAL^MDC