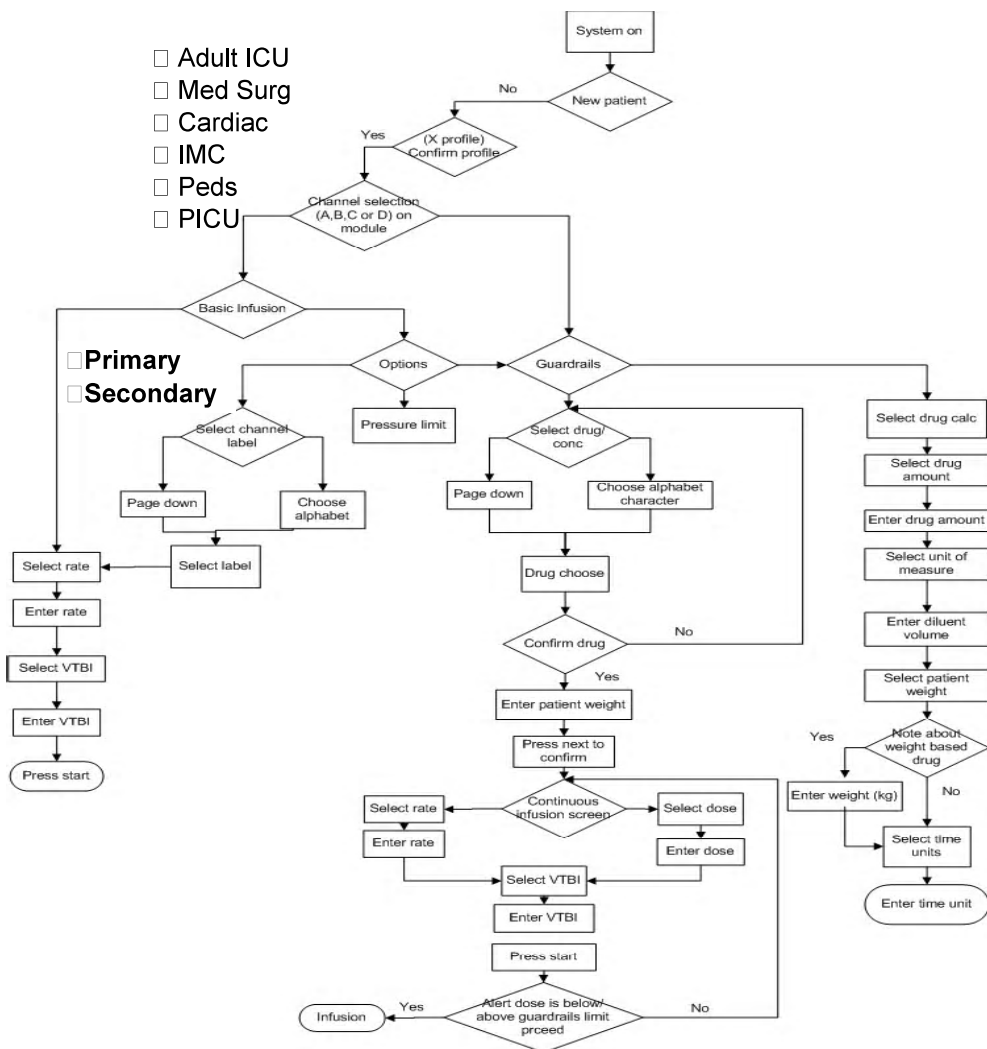


- Adult ICU
- Med Surg
- Cardiac
- IMC
- Peds
- PICU

- Primary
- Secondary



Modules \_\_\_\_\_ Labels \_\_\_\_\_

Left \_\_\_\_\_

Right \_\_\_\_\_

Modules \_\_\_\_\_ Labels \_\_\_\_\_

Left \_\_\_\_\_

Right \_\_\_\_\_

Prime tubing?: Y N Double check by RN?: Y N

Load tubing?: Y N  bottom to top  
 top to bottom  
 front-in

Top fitment  already in place Proper? Y N

Automation surprises or technology failure	Reaction of Nurse

Lighting		Effects and Reactions
full	dimmed	
	none	

Noise Level		Effects and Reactions
quiet	loud	

Physical environment		Effects and Reactions
organised	disorganised	
uncrowded	crowded	

People in patient's room : visitor: _____ nurse: _____ MD: _____ Other: _____	Effects and Reactions
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## Interview questions after observing IV pump use

1. **Only ask this if the top fitment appears to be improperly placed.**

Did you notice that the top fitment is not inserted properly?

2. How many hours have you been working today?
3. Did the pump do anything that you did not expect? If yes, tell me about it.  
(What? When in process? How did you handle it?)
4. Is there anything that you particularly like or dislike about the new pump?
5. Is there anything that you would like to change about the pump? What?
6. Do you think that aspects of the physical environment (such as room lighting, layout of the room, noise level) interfered with your ability to program the pump?
7. Do you think that the presence of people in the patient's room interfered with your ability to program the pump?

Please put an "X" on the following scales at the point that matches your experience *while you just administered the patient's medication.*

How much **mental activity** was required during this medication administration?



How much **time pressure** did you feel during this medication administration?



When utilizing this document please cite:

1. Carayon, P., Wetterneck, T.B., Hundt, A. S., Ozkaynak, M., Ram, P., & DeSilvey, J. (2004). Assessing nurse interaction with medication administration technologies: The development of observation methodologies. *In Khalid & Yeo (eds.) Working With Computing Systems: 319-324.*
2. Carayon, P., Wetterneck, T.B., Hundt, A.S., Ozkaynak, M., Ram, P., DeSilvey, J., Hicks, B., Roberts, T., Enloe, M., Sheth, R. & Sobande, S. (2005) Observing Nurse Interaction with Infusion Pump Technologies. In Henriksen, Battles, Marks ,& Lewin (Eds.) *Advances in Patient Safety: From Research to Implementation.* AHRQ Publication. PMID: 21249836