

CLAIMS:

1. An intravenous (IV) therapy selection system, comprising:

a cart having a plurality of drawers for holding different types of IV devices, the plurality of drawers being selectively locked;

a processor that is integrated with the plurality of drawers of the cart, the processor being configured to selectively open the plurality of drawers;

a memory device that is integrated with the processor and stores to maintain an electronic medical record database comprising a plurality of medical records related to a plurality of patients, the memory device also storing an IV therapy recommendation module, and a placement location recommendation module; and;

a display device integrated into or with the cart, the display device being configured to provide, using the IV therapy recommendation module, an IV device recommendation based on data descriptive of a first patient and a first clinician who is caring for the first patient, the display device further being configured to provide, using the placement location recommendation module, a recommendation on where to introduce the IV device into the first patient's body based on the data descriptive of the first patient and the first clinician;

wherein, after the display device provides the IV device recommendation and the first clinician selects the first type of IV device, the processor opens a first drawer of the plurality of drawers based on the first clinician's selection of the first type of IV device provided by the display device using the IV therapy recommendation module, the first drawer storing the first type of IV device, to thereby allow the first clinician to obtain the first type of IV device;
~~and a clinician training module to provide training services and credentials to a plurality of clinicians;~~

~~an IV therapy recommendation module to provide, via a display device, an IV device recommendation based on data descriptive of a first patient and a first clinician; and~~

~~a placement location recommendation module to provide, via the display device, a recommendation on where to introduce the IV device into the first patient's body based on data descriptive of the first patient and the first clinician.~~

~~2. The intravenous therapy selection system of claim 1, further comprising a cart electrically coupled to the processor to receive input from the processor to open a drawer based on the IV device recommendation and recommendation on where to introduce the IV device into the first patient's body.~~

~~32. The intravenous therapy selection system of claim 21, wherein the cart further comprises an input device to receive input to the first clinician to record the use of the first type of IV device recommended IV and a location on the first patient's body where the first clinician inserted of the introduction of the first type of IV device.~~

43. The intravenous therapy selection system of claim 21, wherein the cart further comprises an input device to receive input to receive input from the first clinician to record a level of successfulness of the introduction of the first type of IV device into the first patient's body.

54. The intravenous therapy selection system of claim 1, further comprising a ~~feedback~~ module to provide the first clinician with procedures descriptive of how to better introduce the first type of IV device into a subsequent patient based on the recorded level of successfulness of the introduction of the first type of IV device into the first patient's body.

65. The intravenous therapy selection system of claim 1, further comprising a procedure module to provide the first clinician with directions regarding how to introduce the first type of IV device into the first patient's body.

76. The intravenous therapy selection system of claim 21, further comprising a locking module to mechanically lock ~~a~~ the plurality of ~~draws~~ drawers of the cart ~~to selectively prevent and provide access to the IV device by the clinician.~~

87. The intravenous therapy selection system of claim 1, further comprising an IV logging module to track the use, stocking, and depletion of the different types of IV devices held in the plurality of drawers of the cart ~~maintained within a cart electrically coupled to the processor.~~

9. ~~A peripheral intravenous catheter (PIVC) recommendation system, comprising:~~
~~a processor;~~

~~a memory device to maintain an electronic medical record database comprising a plurality of medical records related to a plurality of patients;~~

~~a clinician training module to provide training services and credentials to a plurality of clinicians;~~

~~an IV therapy recommendation module to provide, via a display device, an IV device recommendation based on data descriptive of a first patient and a first clinician;~~

~~a placement location recommendation module to provide, via the display device, a recommendation on where to introduce the IV device into the first patient's body based on data descriptive of the first patient and the first clinician; and~~

~~a cart electrically coupled to the processor to receive input from the processor to open a drawer based on the IV device recommendation and recommendation on where to introduce the IV device into the first patient's body.~~

~~10. — The PIVC recommendation system of claim 9, wherein the cart further comprises an input device to receive input to the first clinician to record the use of the recommended IV and location of the introduction of the IV device.~~

~~11. — The PIVC recommendation system of claim 9, wherein the cart further comprises an input device to receive input to the first clinician to record a level of successfulness of the introduction of the IV device into the first patient's body.~~

~~12. — The PIVC recommendation system of claim 11, further comprising a feedback module to provide the first clinician with procedures descriptive of how to better introduce the IV device~~

into a subsequent patient based on the recorded level of successfulness of the introduction of the IV device into the first patient's body.

13. — The PIVC recommendation system of claim 9, further comprising a procedure module to provide the clinician with directions regarding how to introduce the IV device into the first patient's body.

14. — The PIVC recommendation system of claim 9, further comprising a locking module to mechanically lock a plurality of draws of the cart to selectively prevent and provide access to the IV device by the clinician.

15. — The PIVC recommendation system of claim 9, further comprising an IV logging module to track the use, stocking, and depletion of IV devices maintained within the cart.

16. — A method of recommending a peripheral intravenous catheter (PIVC) and introduction location, comprising:

providing, at a display device, a PIVC recommendation to a first clinician among a plurality of clinicians via execution of a PIVC recommendation module by a processor, the PIVC recommendation being descriptive of which PIVC among a plurality of PIVC devices should be used in a medical procedure based on data descriptive of the first clinician a first patient among a plurality of patients;

providing, at the display device, training and credentialing services to the first clinician;
and

~~providing, at the display device, an introduction location descriptive of where to introduce the PIVC device into the first patient's body based on data descriptive of the first patient and the first clinician.~~

~~17. The method of claim 16, further comprising, subsequent to providing the PIVC recommendation, sending a signal to a locking device to open a drawer associated with and maintaining the PIVC recommended by the PIVC recommendation module.~~

~~18. The method of claim 16, further comprising receiving input from an input device descriptive of the use of the recommended IV by the first clinician and a location of the introduction of the IV device into the first patient's body.~~

~~19. The method of claim 16, further comprising receiving input from an input device descriptive of a level of successfulness of the introduction of the IV device into the first patient's body by the first clinician.~~

~~20. The method of claim 16, further comprising executing, via the processor, an IV logging module to track the use, stocking, and depletion of IV devices maintained within a cart electrically coupled to the processor.~~

8. The intravenous therapy selection system of claim 1, wherein the display device is integrated into the cart.

9. The intravenous therapy selection system of claim 1, wherein the display device is separate from the cart.

10. The intravenous therapy selection system of claim 9, wherein the display device includes a module for communicating with the processor to cause the processor to open the plurality of drawers.

11. An intravenous (IV) therapy selection system, comprising:

a processor that is integrated with the plurality of drawers of the cart, the processor being configured to selectively open the plurality of drawers;

a cart having a plurality of drawers, each of the plurality of drawers storing a different type of IV catheter, the cart including a locking module for selectively locking each of the plurality of drawers; and

a display device having one or more modules for presenting, to a clinician, patient information for a patient and performance information of the clinician;

wherein the one or more modules are configured to receive input from the clinician while the clinician cares for the patient and, in response to the input, identify a first type of IV catheter that is recommended for the clinician to insert into the patient;

wherein, in conjunction with identifying the first type of IV catheter, the one or more modules interface with the locking module to unlock after the one or more modules identify the first type of IV catheter and the first clinician selects the first type of IV device, the processor unlocks a first drawer of the plurality of drawers based on the first clinician's selection of the first type of IV device identified by the one or more modules, the first drawer storing the first type of IV

catheter, to thereby allow the clinician to obtain the first type of IV catheter to insert into the patient.

12. The IV therapy selection system of claim 11, wherein the display device is integrated into the cart.

13. The IV therapy selection system of claim 11, wherein the cart also includes one or more additional drawers storing one or more of stabilizing devices, flushes, dressings, or kits.

14. The IV therapy selection system of claim 11, wherein the one or more modules are configured to recommend a location on the patient's body where the first type of IV catheter should be inserted.

15. The IV therapy selection system of claim 11, wherein the one or more modules are configured to receive input from the clinician identifying a location on the patient's body where the clinician inserted the first type of IV catheter.

16. The IV therapy selection system of claim 11, wherein the patient information for the patient identifies which types of IV catheters were previously inserted into the patient's body.

17. The intravenous therapy selection system of claim 1, wherein the display device is configured to provide the first type of IV device such that the first clinician selects the first type of IV device on the display device.

18. The IV therapy selection system of claim 13, after the one or more modules identify the first type of IV catheter and the first clinician selects the first type of IV device, the processor unlocks a second drawer of the plurality of drawers, the second drawer storing a flush device.

19. The IV therapy selection system of claim 18, after the one or more modules identify the first type of IV catheter and the first clinician selects the first type of IV device, the processor unlocks a third drawer of the plurality of drawers, the third drawer storing a start kit comprising a

| stabilizing device and a swab.