What is claimed is:

1. A medical error reduction system comprising:

a medical error reduction software for use in creating and revising at least one drug library, the software configured to provide one of a plurality of sets of privileges to each of a plurality of sets of users, each of the plurality of sets of privileges arranged to allocate a degree of software functionality to one of the plurality of sets of users, the degree of software functionality configured to define the ability of a user to alter the at least one drug library;

at least one server;

at least one editor computer each of the at least one editor computer comprising a processor in communication with a display, the at least one editor computer and at least one server configured to communicate via a network in a client-server based model; and

wherein each of the at least one drug library is for use in at least one medical device,

wherein a user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

2. The system of claim 1, wherein each of the at least one drug library is organized in a hierarchy.

3. The system of claim 2, wherein the hierarchy includes a plurality of care areas which are subordinate to at least one care group.

4. The system of claim 2, wherein each level of the hierarchy includes a number of delivery parameters for the at least one medical device.

5. The system of claim 1, wherein each of the at least one drug library includes a plurality of entries each corresponding to a specific medicament.

6. The system of claim 1, wherein the at least one drug library includes a number of parameters to inform operation of the at least one medical device.

7. The system of claim 1, wherein the drug library includes a plurality of programming limits for the at least one medical device.

8. The system of claim 1, wherein the medical error reduction software is further configured to provide quality improvement information to a user.

9. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates a drug library review privilege to one of the plurality of sets of users.

10. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates a drug library editing privilege to one of the plurality of sets of users.

11. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates a privilege set editing or creation privilege to one of the plurality of sets of users.

12. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates an add user privilege to one of the plurality of sets of users.

13. The system of claim 1, wherein the plurality of sets of privileges allocated to each of the plurality of sets of users force a collaborative process between the plurality of sets of users for the creating and revising of the at least one drug library.

14. A medical error reduction system comprising:

at least one server;

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a display, the at least one editor computer and at least one server configured to communicate via a network in a client-server based model; and

a medical error reduction software configured to be executed by the at least one server and accessible via the at least one editor computer for use in creating and revising at least one drug library, each of the at least one drug library for use in at least one medical device with a medical device processor and a medical device graphical user interface configured to display a user interface which conveys information and may be used to program its respective medical device, each of the at least one drug library containing a plurality of entries which guide user programming of the at least one medical device,

wherein the medical error reduction software is configured to display a simulated medical device graphical user interface, the simulated medical device graphical user interface mimicking behavior of the medical device graphical user interface for a medical device using a selected drug library of the at least one drug library,

wherein a user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

15. The system of claim 14, wherein the simulated medical device graphical user interface is context sensitive.

16. The system of claim 14, wherein the medical error reduction software includes a number of privilege sets each of which being assigned to one of a plurality of sets of users, the number of privilege sets each allocating a degree of software functionality to each of the plurality of sets of users.

17. The system of claim 16, wherein the simulated medical device graphical user interface is a software functionality which may be toggled on or off the number of sets of privileges.

18. The system of claim 14, wherein each of the at least one drug library is organized in a hierarchy.

19. The system of claim 18, wherein the hierarchy includes a plurality of care areas which are subordinate to at least one care group.

20. The system of claim 18, wherein each level of the hierarchy includes a number of delivery parameters for the at least one medical device.

21. The system of claim 14, wherein each of the at least one drug library includes a plurality of entries each corresponding to a specific medicament.

22. The system of claim 14, wherein the at least one drug library includes a number of parameters to inform operation of the at least one medical device.

23. The system of claim 14, wherein the drug library includes a plurality of programming limits for the at least one medical device.

24. The system of claim 14, wherein the medical error reduction software is further configured to provide quality improvement information to a user.

25. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the software configured to provide one of a plurality of sets of privileges to each of a plurality of sets of users, each of the plurality of sets of privileges arranged to allocate a degree of software functionality to one of the plurality of sets of users;

at least one server; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the at least one editor computer and at least one server configured to communicate via a network in a client-server based model,

wherein at least one of the plurality of set of users may use the software to request a change to at least a portion of the at least one drug library,

wherein each of the at least one drug library is for use in at least one medical device,

wherein a user of the at least one of the plurality of set of users has a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

26. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to decline implementation of the change.

27. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to accept implementation of the change.

28. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to submit a question to the change.

29. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to propose a revision to the change.

30. The system of claim 29, wherein the server is configured to execute the medical error reduction software.

31. The system of claim 25, wherein the degree of software functionality is configured to define the ability of a user to alter the at least one drug library.

32. The system of claim 25, wherein the at least one medical device is an infusion pump.

33. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device;

at least one server configured to execute the medical error reduction software; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by one or more user to edit the at least one drug library, the at least one editor computer and at least one server configured to communicate via a network,

wherein at least one of the one or more users may request a change to the at least one drug library by tendering an electronic change request,

wherein each of the at least one drug library is for use in at least one medical device,

wherein the at least one of the one or more users user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

34. The system of claim 33, wherein the at least one medical device is an infusion pump.

35. The system of claim 33, wherein the electronic change request is linkable to medical data.

36. The system of claim 35, wherein the medical data is stored in an electronic database to provide contextual information.

37. The system of claim 36, wherein the electronic database is in a hosted environment.

38. The system of claim 35, wherein the medical data is generated from the at least one medical device.

39. The system of claim 38, wherein the medical data in is stored in an electronic database and is associated with the one of the at least one drug library used in the at least one medical device which generated the medical data.

40. The system of claim 35, wherein the medical data is displayed in the form of a table

41. The system of claim 35, wherein the medical data is displayed in the form of a chart.

42. The system of claim 35, wherein the medical data is displayed in the form of a graph.

43. The system of claim 35, wherein the medical data is displayed in the form of a diagram.

44. The system of claim 35, wherein the medical data is displayed in the form of an infusion story.

45. The system of claim 35, wherein a user may use the drug library editing software to search the medical data.

46. The system of claim 35, wherein a user may use the drug library editing software to filter the medical data.

47. The system of claim 35, wherein the medical data is displayed in a user selectable format.

48. The system of claim 35, wherein the user may only access medical data for versions of the one of the at least one library currently being edited.

49. The system of claim 35, wherein the plurality of entries are each associated with one or more delivery parameters.

50. The system of claim 35, wherein at least one of the one or more user may accept the electronic change request.

51. The system of claim 35, wherein at least one of the one or more user may respond to the electronic change request.

52. The system of claim 35, wherein at least one of the one or more user may propose an alteration to the electronic change request.

53. The system of claim 35, wherein at least one of the one or more user may deny the electronic change request.

54. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editing software to be executed by a server;

at least one drug library database;

at least one medical data database; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface

for use by a user to edit the at least one drug library, the at least editor computer, at least one drug library database, and at least one medical data database configured to communicate via a network,

wherein while editing the at least one drug library, the user may use the drug library editing software to access medical data

wherein each of the at least one drug library is for use in at least one medical device,

wherein the user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

55. The system of claim 54, wherein the medical data is stored in the at least one medical data database.

56. The system of claim 55, wherein the at least one medical data database is stored in a hosted environment.

57. The system of claim 54, wherein the medical data is displayed in the form of a chart.

58. The system of claim 54, wherein the medical data is displayed in the form of a graph.

59. The system of claim 54, wherein the medical data is displayed in the form of a table.

60. The system of claim 54, wherein the medical data is displayed in the form of a diagram.

61. The system of claim 54, wherein the medical data is displayed in the form of an infusion story.

62. The system of claim 54, wherein the medical data is displayed in a user selectable format.

63. The system of claim 54, wherein the access medical data is searchable.

64. The system of claim 54, wherein the accessed medical data is filterable by applying a filter.

65. The system of claim 64, wherein the filter is a device type filter.

66. The system of claim 64, wherein the filter is a data category.

67. The system of claim 64, wherein the filter is a therapy based criteria.

68. The system of claim 64, wherein the filter is a medical device identifier.

69. The system of claim 64, wherein the filter is a care giver identifier.

70. The system of claim 64, wherein the filter is an area based criteria.

71. The system of claim 64, wherein the filter is a drug criteria.

72. The system of claim 71, wherein the drug criteria is a drug identifier.

73. The system of claim 71, wherein the drug criteria is a drug type.

74. The system of claim 54, wherein the at least one drug library database is in a hosted environment.

75. The system of claim 54, wherein the medical device is an infusion pump.

76. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database;

at least one medical data database; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer, at least one drug library database, and at least one medical data database configured to communicate via a network,

wherein while creating or revising the at least one drug library, the drug library editing software is configured to display medical data from the at least one medical data database on the user interface and filter the medical data with a filter criteria.,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

77. The system of claim 76, wherein the at least one medical device is an infusion pump.

78. The system of claim 76, wherein the at least one drug library database is in a hosted environment.

79. The system of claim 76, wherein the at least one medical data database is in a hosted environment.

80. The system of claim 76, wherein the filter criteria is user selectable.

81. The system of claim 76, wherein the filter criteria is a medical device type.

82. The system of claim 76, wherein the filter criteria is a data category.

83. The system of claim 76, wherein the filter criteria is a therapy based criteria.

84. The system of claim 76, wherein the filter criteria is a medical device identifier.

85. The system of claim 76, wherein the filter criteria is a care giver identifier.

86. The system of claim 76, wherein the filter criteria is a care area based criteria.

87. The system of claim 76, wherein the filter criteria is a drug criteria.

88. The system of claim 87, wherein the drug criteria is a drug identifier.

89. The system of claim 87, wherein the drug criteria is a drug type.

90. The system of claim 76, wherein the filter criteria may be applied by interaction with the medical data displayed on the user interface to display a subset of the medical data.

91. The system of claim 76, wherein the filter criteria may be applied by interaction with the medical data displayed on the user interface to drill down on the medical data.

92. The system of claim 76, wherein the medical data may be display on the user interface in one or more of a number of user specified formats.

93. A medical error reduction system comprising:

a medical error reduction software for use in creating and revising at least one drug library that is configured for use in at least one medical device, the software configured to provide one of a plurality of sets of privileges to each of a plurality of sets of users, each of the plurality of sets of privileges arranged to allocate a degree of software functionality to one of the plurality of sets of users, the degree of software functionality configured to define the ability of a user to alter the at least one drug library;

at least one server; and

at least one editor computer comprising a processor in communication with a display, wherein the at least one editor computer is configured to communicate to the at least one server via a network in a client-server based model,

wherein the user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

94. A medical error reduction system comprising:

a medical device comprising:

a medical device processor; and

a medical device graphical user interface configured to allow a user to program the medical device;

at least one server;

at least one editor computer including a processor in communication with a display, wherein the at least one editor computer is configured to communicate to the at least one server via a network in a client-server based model; and

a medical error reduction software configured to be executed by the at least one server and accessible via the at least one editor computer for use in creating and revising at least one drug library, the at least one drug library for use in the at least one medical device and including a plurality of entries that guide user programming of the at least one medical device, wherein the medical error

reduction software is further configured to display a simulated medical device graphical user interface, the simulated medical device graphical user interface mimicking behavior of the medical device graphical user interface for a medical device using one of the at least one drug library, wherein a user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

95. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library for use with at least one medical device, the at least one drug library containing a plurality of entries, wherein the software is configured to provide at least one of a plurality of sets of privileges to each of a plurality of sets of users, each of the plurality of sets of privileges configured to allocate a degree of software functionality to one of the plurality of sets of users, the degree of software functionality configured to define the ability of a user to alter the at least one drug library; and

at least one server configured to execute the drug library editing software; and

at least one editor computer including a processor in communication with a user interface, the at least one editor computer configured to communicate with the at least one server via a network in a client-server based model, wherein at least one of the plurality of set of users may use the at least one editor computer to access the drug library editing software to request a change to the at least one drug library,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

96. The medical error reduction system of claim 94, wherein at least one of the plurality of sets of privileges is further configured to allow a user to decline implementation of the requested change to the at least one drug library or to accept implementation of the requested change to the at least one drug library.

97. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library including a plurality of entries, wherein the at least one drug library is for use with at least one medical device;

at least one server configured to execute the drug library editing software; and

at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer configured to communicate with the at least one server via a network in a client-server based model such that the at least one editor computer is able to access the drug library editing software, wherein a user may request a change to the at least one drug library by tendering an electronic change request via the user interface,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

98. The medical error reduction system of claim 97, wherein the electronic change request is linkable to medical data in an electronic database to provide contextual information.

99. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editing software to be executed by a server;

at least one drug library database;

at least one medical data database; and

at least one editor computer configured to communicate with the server, the at least one drug library database, and the at least one medical data database via a network, the at least one editor computer including a processor in communication with a user interface, wherein the user interface is for use by a user to edit the at least one drug library using the at least one drug library editing software, wherein while editing the at least one drug library, the user may use the drug library editing software to access medical data from the at least one medical data database,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

100. The medical error reduction system of claim 99, wherein while editing the at least one drug library, the user may use the drug library editing software to access medical data from the at least one medical data database, the medical data in the form of at least one of a chart, graph, plot, and diagram displayed on the user interface.

101. The medical error reduction system of claim 99, wherein while editing the at least one drug library, a user may use the drug library editing software to display medical data from the at least one medical data database on the user interface and filter the medical data such that only medical data of interest to the user is displayed on the user interface.

102. A medical error reduction system comprising:

a medical error reduction software for use in creating and revising at least one drug library, the software configured to provide a set of privileges to each of a plurality of users, the set of privileges arranged to allocate a degree of software functionality to each of the plurality of users, the degree of software functionality configured to define the ability of users to alter the at least one drug library;

at least one server; and

at least one editor computer each of the at least one editor computer comprising a processor in communication with a display, the at least one editor computer and at least one server configured to communicate via a network in a client-server based model,

wherein each of the at least one drug library is for use in at least one medical device,

wherein a user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

103. The system of claim 102, wherein each of the at least one drug library is organized in a hierarchy.

104. The system of claim 103, wherein the hierarchy includes a plurality of care areas which are subordinate to at least one care group.

105. The system of claim 103, wherein each level of the hierarchy includes a number of delivery parameters for the at least one medical device.

106. The system of claim 102, wherein each of the at least one drug library includes a plurality of entries each corresponding to a specific medicament.

107. The system of claim 102, wherein the at least one drug library includes a number of parameters to inform operation of the at least one medical device.

108. The system of claim 102, wherein the drug library includes a plurality of programming limits for the at least one medical device.

109. The system of claim 102, wherein the medical error reduction software is further configured to provide quality improvement information to the plurality of users.

110. The system of claim 102, wherein the set of privileges is configurable to allocate a drug library review privilege.

111. The system of claim 102, wherein the set of privilege is configurable to allocate a drug library editing privilege.

112. The system of claim 102, wherein the set of privileges is configurable to allocate and editing or creation privilege.

113. The system of claim 102, wherein the set of privileges is configurable to allocate an add user privilege.

114. The system of claim 102, wherein the set of privileges allocated to each of the plurality of users force a collaborative process between the plurality of users for the creating and revising of the at least one drug library.

115. A medical error reduction system comprising:

a drug library editing software for use in creating and revising a number of drug libraries, the number of drug libraries each containing a plurality of entries, each of the at number of drug libraries for use with at least one medical device; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by one or more user to edit the at least one drug library,

wherein the drug library editing software is configured to import entries of the plurality of entries in a first drug library in the number of drug libraries to a second drug library in the number of drug libraries,

wherein a user of the one or more users having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

116. The system of claim 115, wherein the system further comprises at least one server configured to execute the medical error reduction software.

117. The system of claim 115, wherein the number of drug libraries are stored on a drug library database.

118. The system of claim 117, wherein the drug library database is in a hosted environments.

119. The system of claim 115, wherein the one or more user may specify the entries of the plurality of entries they would like to import to the first drug library in the number of drug libraries to the second drug library in the number of drug libraries.

120. The system of claim 115, wherein the first drug library in the number of drug libraries and the second drug library in the number of drug libraries both belong to a sub-set of drug libraries in the number of drug libraries.

121. The system of claim 120, wherein the sub-set of drug libraries, is associated with a set of permissions allowing access to the sub-set of drug libraries by the one or more user.

122. The system of claim 121, wherein the set of permissions disallows access to the sub-set of drug libraries by another one or more user.

123. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the plurality of entries include one or more clinical advisory,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

124. The medical error reduction system of claim 123, wherein the drug library database is in a hosted environment.

125. The medical error reduction system of claim 123, wherein the one or more clinical advisory is a free text entry.

126. The medical error reduction system of claim 123, wherein the one or more clinical advisory includes an image.

127. The medical error reduction system of claim 123, wherein the one or more clinical advisory includes a document.

128. The system of claim 123, wherein the one or more clinical advisory is limited to be between 0 and 100 characters in length.

129. The system of claim 123, wherein each of the one or more clinical advisory is associated with a short text clinical advisory.

130. The system of claim 129, wherein the short text clinical advisory is limited to be between 0 and 100 characters in length.

131. The system of claim 129, wherein the short text clinical advisory is displayed on at least one screen of a graphic user interface of the at least one medical device.

132. The system of claim 123, wherein each of the one or more clinical advisory is displayed on at least one screen of a graphic user interface of the at least one medical device.

133. The system of claim 123, wherein each of the at least one clinical advisory is associated with drug entry in the at least one drug library.

134. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the drug library editing software is configure to allow a user to enter a note for one or more of the plurality of entries,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

135. The medical error reduction system of claim 134, wherein the drug library database is in a hosted environment.

136. The medical error reduction system of claim 134, wherein the note is a free text entry.

137. The medical error reduction system of claim 134, wherein the note includes an image.

138. The medical error reduction system of claim 134, wherein the note includes a document.

139. The system of claim 134, wherein the drug library editing software is configured to allow a user to enter a note for one or more sub-set of the plurality of entries.

140. The system of claim 134, wherein the drug library editing software is configured to allow a user to enter a note for each of the plurality of entires.

141. The system of claim 134, wherein each of the plurality of entries associated with a note is depicted on the user interface with a note indicator.

142. The system of claim 134, wherein user interaction with the note indicator causes the note to be displayed on the user interface.

143. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the plurality of entires include a flush parameter,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

144. The system of claim 143, wherein the flush parameter governs flushing of a fluid line associated with the at least one medical device.

145. The system of claim 143, wherein the flush parameter includes default delivery parameter values to be used by the at least one medical device when the medical device flushes a fluid line associated therewith.

146. The system of claim 145, wherein the flush parameter includes a volume to be delivered.

147. The system of claim 145, wherein the flush parameter includes a delivery rate.

148. The system of claim 145, wherein the flush parameter includes a time.

149. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the drug library editing software is configured to display a user customizable screen which provides desired at a glance information to the user,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

150. The system of claim 149, wherein the user customizable screen includes one or more widget.

151. The system of claim 150, wherein the user chooses the one or more widget which is included on the user customizable screen.

152. The system of claim 150, wherein one of the one or more widget is a progress widget.

153. The system of claim 150, wherein one of the one or more widget is a trend widget.

154. The system of claim 150, wherein one of the one or more widget is an overview widget.

155. The system of claim 150, wherein one of the one or more widget is a quick links widget.

156. The system of claim 150, wherein one of the one or more widget is a change request widget.

157. The system of claim 150, wherein one of the one or more widget is a feedback widget.

158. The system of claim 150, wherein one of the one or more widget is a medical data widget.

159. The system of claim 150, wherein one of the one or more widget is a changes to review widget.

160. The system of claim 150, wherein one of the one or more widget is an administrator comments widget.

161. The system of claim 150, wherein the user chooses the one or more widget from a list of permitted widgets.

162. The system of claim 161, wherein the user is assigned a specific role in the medical error reduction software, the list of permitted widgets associated the specific role.

163. The system of claim 149, wherein the system further comprises a user database.

164. The system of claim 149, wherein the user customizable screen, once customized, is stored on a user database and associated with the user.

165. The system of claim 149, wherein the user customizable screen is selected from a number of loadable, customized screen configurations.

166. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the user may compare two or more entries of the plurality of entries using the drug library editing software, the comparison being displayed on the user interface,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

167. The system of claim 166, wherein the comparison is display on the user interface in a table.

168. The system of claim 166, wherein the comparison is a side by side comparison.

169. The system of claim 166, wherein differences between the two or more entries in the comparison are visually indicated on the user interface.

170. The system of claim 166, wherein the comparison includes a difference only option.

171. The system of claim 170, wherein interaction with the difference only option may toggle the comparison between a state in which only differences between the two or more of the plurality of entries are shown and a state in which all information associated with the two or more of the plurality of entries is shown.

172. The system of claim 166, wherein the comparison includes an edit option which may be used to open one of the two or more of the plurality of entries for editing.

173. A method for producing a drug library file, the method comprising:

assigning one of a plurality of sets of privileges to each of a plurality of sets of users, the plurality of sets of privileges arranged to allocate a degree of software functionality in a drug library editing software, the degree of software functionality configured to define the ability of a user to alter the at least one drug library;

creating a drug library using at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library using the drug library editing software, creating the drug library comprising appropriate users of the plurality of sets of users, the appropriate users defined by the plurality of sets of privileges;

specifying a master medication list for an institution;

defining medication records for one or more portion of the institution;

verifying the defined medication records; and

approving the drug library for release to at least one medical device in the institution,

wherein the user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library.

174. The method of claim 173, wherein one of the plurality of sets of privileges allocates an editing privilege.

175. The method of claim 173, wherein one of the plurality of sets of privileges allocates a review privilege.

176. The method of claim 173, wherein specifying the master medication list comprises selecting a number of medications from a formulary database.

177. The method of claim 173, wherein defining medication records for one or more portion of the institution comprises selecting desired medications from the master medication list for each of the one or more portions of the institution.

178. The method of claim 177, wherein defining medication records for one or more portion of the institution comprises defining a number of parameters for each of the desired medications.

179. The method of claim 173, wherein verifying the defined medication records comprises reviewing the defined medication records.

180. The method of claim 173, wherein verifying the defined medication records comprises editing and revising the defined medication records.

181. The method of claim 173, wherein producing a drug library file further comprises conducting a pilot phase for the drug library file in which the drug library file is tested on a test medical device.

182. The method of claim 173, wherein producing a drug library file further comprises conducting a pilot phase for the drug library file in which the drug library file is tested on a simulated medical device user interface.

183. The method of claim 173, wherein the verifying the defined medication records comprises reviewing the defined medication records using a simulated medical device user interface.

What is claimed is:

1. A medical error reduction system comprising:

a medical error reduction software for use in creating and revising at least one drug library, the software configured to provide one of a plurality of sets of privileges to each of a plurality of sets of users, each of the plurality of sets of privileges arranged to allocate a degree of software functionality to one of the plurality of sets of users, the degree of software functionality configured to define the ability of a user to alter the at least one drug library;

at least one server;

at least one editor computer each of the at least one editor computer comprising a processor in communication with a display, the at least one editor computer and at least one server configured to communicate via a network in a client-server based model; and

wherein each of the at least one drug library is for use in at least one medical device,

wherein a user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

2. The system of claim 1, wherein each of the at least one drug library is organized in a hierarchy.

3. The system of claim 2, wherein the hierarchy includes a plurality of care areas which are subordinate to at least one care group.

4. The system of claim 2, wherein each level of the hierarchy includes a number of delivery parameters for the at least one medical device.

5. The system of claim 1, wherein each of the at least one drug library includes a plurality of entries each corresponding to a specific medicament.

6. The system of claim 1, wherein the at least one drug library includes a number of parameters to inform operation of the at least one medical device.

7. The system of claim 1, wherein the drug library includes a plurality of programming limits for the at least one medical device.

8. The system of claim 1, wherein the medical error reduction software is further configured to provide quality improvement information to a user.

9. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates a drug library review privilege to one of the plurality of sets of users.

10. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates a drug library editing privilege to one of the plurality of sets of users.

11. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates a privilege set editing or creation privilege to one of the plurality of sets of users.

12. The system of claim 1, wherein at least one of the plurality of sets of privileges allocates an add user privilege to one of the plurality of sets of users.

13. The system of claim 1, wherein the plurality of sets of privileges allocated to each of the plurality of sets of users force a collaborative process between the plurality of sets of users for the creating and revising of the at least one drug library.

14. A medical error reduction system comprising:

at least one server;

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a display, the at least one editor computer and at least one server configured to communicate via a network in a client-server based model; and

a medical error reduction software configured to be executed by the at least one server and accessible via the at least one editor computer for use in creating and revising at least one drug library, each of the at least one drug library for use in at least one medical device with a medical device processor and a medical device graphical user interface configured to display a user interface which conveys information and may be used to program its respective medical device, each of the at least one drug library containing a plurality of entries which guide user programming of the at least one medical device,

wherein the medical error reduction software is configured to display a simulated medical device graphical user interface, the simulated medical device graphical user interface mimicking behavior of the medical device graphical user interface for a medical device using a selected drug library of the at least one drug library,

wherein a user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

15. The system of claim 14, wherein the simulated medical device graphical user interface is context sensitive.

16. The system of claim 14, wherein the medical error reduction software includes a number of privilege sets each of which being assigned to one of a plurality of sets of users, the number of privilege sets each allocating a degree of software functionality to each of the plurality of sets of users.

17. The system of claim 16, wherein the simulated medical device graphical user interface is a software functionality which may be toggled on or off the number of sets of privileges.

18. The system of claim 14, wherein each of the at least one drug library is organized in a hierarchy.

19. The system of claim 18, wherein the hierarchy includes a plurality of care areas which are subordinate to at least one care group.

20. The system of claim 18, wherein each level of the hierarchy includes a number of delivery parameters for the at least one medical device.

21. The system of claim 14, wherein each of the at least one drug library includes a plurality of entries each corresponding to a specific medicament.

22. The system of claim 14, wherein the at least one drug library includes a number of parameters to inform operation of the at least one medical device.

23. The system of claim 14, wherein the drug library includes a plurality of programming limits for the at least one medical device.

24. The system of claim 14, wherein the medical error reduction software is further configured to provide quality improvement information to a user.

25. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the software configured to provide one of a plurality of sets of privileges to each of a plurality of sets of users, each of the plurality of sets of privileges arranged to allocate a degree of software functionality to one of the plurality of sets of users;

at least one server; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the at least one editor computer and at least one server configured to communicate via a network in a client-server based model,

wherein at least one of the plurality of set of users may use the software to request a change to at least a portion of the at least one drug library,

wherein each of the at least one drug library is for use in at least one medical device,

wherein a user of the at least one of the plurality of set of users has a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

26. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to decline implementation of the change.

27. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to accept implementation of the change.

28. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to submit a question to the change.

29. The system of claim 25, wherein at least one of the plurality of sets of privileges is configured to allow a user to propose a revision to the change.

30. The system of claim 29, wherein the server is configured to execute the medical error reduction software.

31. The system of claim 25, wherein the degree of software functionality is configured to define the ability of a user to alter the at least one drug library.

32. The system of claim 25, wherein the at least one medical device is an infusion pump.

33. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, a at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device;

at least one server configured to execute the medical error reduction software; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by one or more user to edit the at least one drug library, the at least one editor computer and at least one server configured to communicate via a network,

wherein at least one of the one or more users may request a change to the at least one drug library by tendering an electronic change request,

wherein each of the at least one drug library is for use in at least one medical device,

wherein the at least one of the one or more users user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

34. The system of claim 33, wherein the at least one medical device is an infusion pump.

35. The system of claim 33, wherein the electronic change request is linkable to medical data.

36. The system of claim 35, wherein the medical data is stored in an electronic database to provide contextual information.

37. The system of claim 36, wherein the electronic database is in a hosted environment.

38. The system of claim 35, wherein the medical data is generated from the at least one medical device.

39. The system of claim 38, wherein the medical data in is stored in an electronic database and is associated with the one of the at least one drug library used in the at least one medical device which generated the medical data.

40. The system of claim 35, wherein the medical data is displayed in the form of a table

41. The system of claim 35, wherein the medical data is displayed in the form of a chart.

42. The system of claim 35, wherein the medical data is displayed in the form of a graph.

43. The system of claim 35, wherein the medical data is displayed in the form of a diagram.

44. The system of claim 35, wherein the medical data is displayed in the form of an infusion story.

45. The system of claim 35, wherein a user may use the drug library editing software to search the medical data.

46. The system of claim 35, wherein a user may use the drug library editing software to filter the medical data.

47. The system of claim 35, wherein the medical data is displayed in a user selectable format.

48. The system of claim 35, wherein the user may only access medical data for versions of the one of the at least one library currently being edited.

49. The system of claim 33, wherein the plurality of entries are each associated with one or more delivery parameters.

50. The system of claim 33, wherein at least one of the one or more user may accept the electronic change request.

51. The system of claim 33, wherein at least one of the one or more user may respond to the electronic change request.

52. The system of claim 33, wherein at least one of the one or more user may propose an alteration to the electronic change request.

53. The system of claim 33, wherein at least one of the one or more user may deny the electronic change request.

54. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editing software to be executed by a server;

at least one drug library database;

at least one medical data database; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least editor computer, at least one drug library database, and at least one medical data database configured to communicate via a network,

wherein while editing the at least one drug library, the user may use the drug library editing software to access medical data

wherein each of the at least one drug library is for use in at least one medical device,

wherein the user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

55. The system of claim 54, wherein the medical data is stored in the at least one medical data database.

56. The system of claim 55, wherein the at least one medical data database is stored in a hosted environment.

57. The system of claim 54, wherein the medical data is displayed in the form of a chart.

58. The system of claim 54, wherein the medical data is displayed in the form of a graph.

59. The system of claim 54, wherein the medical data is displayed in the form of a table.

60. The system of claim 54, wherein the medical data is displayed in the form of a diagram.

61. The system of claim 54, wherein the medical data is displayed in the form of an infusion story.

62. The system of claim 54, wherein the medical data is displayed in a user selectable format.

63. The system of claim 54, wherein the access medical data is searchable.

64. The system of claim 54, wherein the accessed medical data is filterable by applying a filter.

65. The system of claim 64, wherein the filter is a device type filter.

66. The system of claim 64, wherein the filter is a data category.

67. The system of claim 64, wherein the filter is a therapy based criteria.

68. The system of claim 64, wherein the filter is a medical device identifier.

69. The system of claim 64, wherein the filter is a care giver identifier.

70. The system of claim 64, wherein the filter is an area based criteria.

71. The system of claim 64, wherein the filter is a drug criteria.

72. The system of claim 71, wherein the drug criteria is a drug identifier.

73. The system of claim 71, wherein the drug criteria is a drug type.

74. The system of claim 54, wherein the at least one drug library database is in a hosted environment.

75. The system of claim 54, wherein the medical device is an infusion pump.

76. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database;

at least one medical data database; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer, at least one drug library database, and at least one medical data database configured to communicate via

a network,

wherein while creating or revising the at least one drug library, the drug library editing software is configured to display medical data from the at least one medical data database on the user interface and filter the medical data with a filter criteria,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

77. The system of claim 76, wherein the at least one medical device is an infusion pump.

78. The system of claim 76, wherein the at least one drug library database is in a hosted environment.

79. The system of claim 76, wherein the at least one medical data database is in a hosted environment.

80. The system of claim 76, wherein the filter criteria is user selectable.

81. The system of claim 76, wherein the filter criteria is a medical device type.

82. The system of claim 76, wherein the filter criteria is a data category.

83. The system of claim 76, wherein the filter criteria is a therapy based criteria.

84. The system of claim 76, wherein the filter criteria is a medical device identifier.

85. The system of claim 76, wherein the filter criteria is a care giver identifier.

86. The system of claim 76, wherein the filter criteria is a care area based criteria.

87. The system of claim 76, wherein the filter criteria is a drug criteria.

88. The system of claim 87, wherein the drug criteria is a drug identifier.

89. The system of claim 87, wherein the drug criteria is a drug type.

90. The system of claim 76, wherein the filter criteria may be applied by interaction with the medical data displayed on the user interface to display a subset of the medical data.

91. The system of claim 76, wherein the filter criteria may be applied by interaction with the medical data displayed on the user interface to drill down on the medical data.

92. The system of claim 76, wherein the medical data may be display on the user interface in one or more of a number of user specified formats.

93. A medical error reduction system comprising:

a medical device comprising:

a medical device processor; and

a medical device graphical user interface configured to allow a user to program the medical device;

at least one server;

at least one editor computer including a processor in communication with a display, wherein the at least one editor computer is configured to communicate to the at least one server via a network in a client-server based model; and

a medical error reduction software configured to be executed by the at least one server and accessible via the at least one editor computer for use in creating and revising at least one drug library, the at least one drug library for use in the at least one

medical device and including a plurality of entries that guide user programming of the at least one medical device, wherein the medical error reduction software is further configured to display a simulated medical device graphical user interface, the simulated medical device graphical user interface mimicking behavior of the medical device graphical user interface for a medical device using one of the at least one drug library,

wherein a user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

94. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library for use with at least one medical device, the at least one drug library containing a plurality of entries, wherein the software is configured to provide at least one of a plurality of sets of privileges to each of a plurality of sets of users, each of the plurality of sets of privileges configured to allocate a degree of software functionality to one of the plurality of sets of users, the degree of software functionality configured to define the ability of a user to alter the at least one drug library; and

at least one server configured to execute the drug library editing software; and at least one editor computer including a processor in communication with a user interface, the at least one editor computer configured to communicate with the at least one server via a network in a client-server based model, wherein at least one of the plurality of set of users may use the at least one editor computer to access the drug library editing software to request a change to the at least one drug library,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

95. The medical error reduction system of claim 94, wherein at least one of the plurality of sets of privileges is further configured to allow a user to decline implementation of the requested change to the at least one drug library or to accept implementation of the requested change to the at least one drug library.

96. The system of claim 94, wherein each of the at least one drug library is organized in a hierarchy.

97. The system of claim 96, wherein the hierarchy includes a plurality of care areas which are subordinate to at least one care group.

98. The system of claim 96, wherein each level of the hierarchy includes a number of delivery parameters for the at least one medical device.

99. The system of claim 94, wherein each of the at least one drug library includes a plurality of entries each corresponding to a specific medicament.

100. The system of claim 94, wherein the at least one drug library includes a number of parameters to inform operation of the at least one medical device.

101. The system of claim 94, wherein the drug library includes a plurality of programming limits for the at least one medical device.

102. The system of claim 94, wherein the medical error reduction software is further configured to provide quality improvement information to the plurality of users.

103. The system of claim 94, wherein the set of privileges is configurable to allocate a drug library review privilege.

104. The system of claim 94, wherein the set of privilege is configurable to allocate a drug library editing privilege.

105. The system of claim 94, wherein the set of privileges is configurable to allocate and editing or creation privilege.

106. The system of claim 94, wherein the set of privileges is configurable to allocate an add user privilege.

107. The system of claim 94, wherein the set of privileges allocated to each of the plurality of users force a collaborative process between the plurality of users for the creating and revising of the at least one drug library.

108. A medical error reduction system comprising:

a drug library editing software for use in creating and revising a number of drug libraries, the number of drug libraries each containing a plurality of entries, each of the at number of drug libraries for use with at least one medical device; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by one or more user to edit the at least one drug library,

wherein the drug library editing software is configured to import entries of the plurality of entries in a first drug library in the number of drug libraries to a second drug library in the number of drug libraries,

wherein a user of the one or more users having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the

change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

109. The system of claim 108, wherein the system further comprises at least one server configured to execute the medical error reduction software.

110. The system of claim 108, wherein the number of drug libraries are stored on a drug library database.

111. The system of claim 110, wherein the drug library database is in a hosted environments.

112. The system of claim 108, wherein the one or more user may specify the entries of the plurality of entries they would like to import to the first drug library in the number of drug libraries to the second drug library in the number of drug libraries.

113. The system of claim 108, wherein the first drug library in the number of drug libraries and the second drug library in the number of drug libraries both belong to a sub-set of drug libraries in the number of drug libraries.

114. The system of claim 113, wherein the sub-set of drug libraries, is associated with a set of permissions allowing access to the sub-set of drug libraries by the one or more user.

115. The system of claim 114, wherein the set of permissions disallows access to the sub-set of drug libraries by another one or more user.

116. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least

one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the plurality of entries include one or more clinical advisory,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

117. The medical error reduction system of claim 116, wherein the drug library database is in a hosted environment.

118. The medical error reduction system of claim 116, wherein the one or more clinical advisory is a free text entry.

119. The medical error reduction system of claim 116, wherein the one or more clinical advisory includes an image.

120. The medical error reduction system of claim 188, wherein the one or more clinical advisory includes a document.

121. The system of claim 116, wherein the one or more clinical advisory is limited to be between 0 and 100 characters in length.

122. The system of claim 116, wherein each of the one or more clinical advisory is associated with a short text clinical advisory.

123. The system of claim 122, wherein the short text clinical advisory is limited to be between 0 and 100 characters in length.

124. The system of claim 122, wherein the short text clinical advisory is displayed on at least one screen of a graphic user interface of the at least one medical device.

125. The system of claim 116, wherein each of the one or more clinical advisory is displayed on at least one screen of a graphic user interface of the at least one medical device.

126. The system of claim 116, wherein each of the at least one clinical advisory is associated with drug entry in the at least one drug library.

127. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the drug library editing software is configure to allow a user to enter a note for one or more of the plurality of entries,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

128. The medical error reduction system of claim 127, wherein the drug library database is in a hosted environment.

129. The medical error reduction system of claim 127, wherein the note is a free text entry.

130. The medical error reduction system of claim 127, wherein the note includes an image.

131. The medical error reduction system of claim 127, wherein the note includes a document.

132. The system of claim 127, wherein the drug library editing software is configured to allow a user to enter a note for one or more sub-set of the plurality of entries.

133. The system of claim 127, wherein the drug library editing software is configured to allow a user to enter a note for each of the plurality of entires.

134. The system of claim 127, wherein each of the plurality of entries associated with a note is depicted on the user interface with a note indicator.

135. The system of claim 127, wherein user interaction with the note indicator causes the note to be displayed on the user interface.

136. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the plurality of entires include a flush parameter,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

137. The system of claim 136, wherein the flush parameter governs flushing of a fluid line associated with the at least one medical device.

138. The system of claim 136, wherein the flush parameter includes default delivery parameter values to be used by the at least one medical device when the medical device flushes a fluid line associated therewith.

139. The system of claim 138, wherein the flush parameter includes a volume to be delivered.

140. The system of claim 138, wherein the flush parameter includes a delivery rate.

141. The system of claim 138, wherein the flush parameter includes a time.

142. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the drug library editing software is configured to display a user customizable screen which provides desired at a glance information to the user,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

143. The system of claim 142, wherein the user customizable screen includes one or more widget.

144. The system of claim 143, wherein the user chooses the one or more widget which is included on the user customizable screen.

145. The system of claim 143, wherein one of the one or more widget is a progress widget.

146. The system of claim 143, wherein one of the one or more widget is a trend widget.

147. The system of claim 143, wherein one of the one or more widget is an overview widget.

148. The system of claim 143, wherein one of the one or more widget is a quick links widget.

149. The system of claim 143, wherein one of the one or more widget is a change request widget.

150. The system of claim 143, wherein one of the one or more widget is a feedback widget.

151. The system of claim 143, wherein one of the one or more widget is a medical data widget.

152. The system of claim 143, wherein one of the one or more widget is a changes to review widget.

153. The system of claim 143, wherein one of the one or more widget is an administrator comments widget.

154. The system of claim 143, wherein the user chooses the one or more widget from a list of permitted widgets.

155. The system of claim 154, wherein the user is assigned a specific role in the medical error reduction software, the list of permitted widgets associated the specific role.

156. The system of claim 142, wherein the system further comprises a user database.

157. The system of claim 142, wherein the user customizable screen, once customized, is stored on a user database and associated with the user.

158. The system of claim 142, wherein the user customizable screen is selected from a number of loadable, customized screen configurations.

159. A medical error reduction system comprising:

a drug library editing software for use in creating and revising at least one drug library, the at least one drug library containing a plurality of entries, each of the at least one drug library for use with at least one medical device, the drug library editor software to be executed by a server;

at least one drug library database storing the at least one drug library; and

at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library, the at least one editor computer and at least one drug library database configured to communicate via a network,

wherein the user may compare two or more entries of the plurality of entries using the drug library editing software, the comparison being displayed on the user interface,

wherein the user having a first privilege level of a plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

160. The system of claim 159, wherein the comparison is display on the user interface in a table.

161. The system of claim 159, wherein the comparison is a side by side comparison.

162. The system of claim 159, wherein differences between the two or more entries in the comparison are visually indicated on the user interface.

163. The system of claim 159, wherein the comparison includes a difference only option.

164. The system of claim 163, wherein interaction with the difference only option may toggle the comparison between a state in which only differences between the two or more of the plurality of entries are shown and a state in which all information associated with the two or more of the plurality of entries is shown.

165. The system of claim 159, wherein the comparison includes an edit option which may be used to open one of the two or more of the plurality of entries for editing.

166. A method for producing a drug library file, the method comprising:

assigning one of a plurality of sets of privileges to each of a plurality of sets of users, the plurality of sets of privileges arranged to allocate a degree of software functionality in a drug library editing software, the degree of software functionality configured to define the ability of a user to alter the at least one drug library;

creating a drug library using at least one editor computer, each of the at least one editor computer comprising a processor in communication with a user interface, the user interface for use by a user to edit the at least one drug library using the drug library editing software, creating the drug library comprising appropriate users of the plurality of sets of users, the appropriate users defined by the plurality of sets of privileges;

specifying a master medication list for an institution;

defining medication records for one or more portion of the institution;

verifying the defined medication records; and

approving the drug library for release to at least one medical device in the institution,

wherein the user having a first privilege level of the plurality of sets of privileges has authorization to request a change to a drug library of the at least one drug library within a first care area, but not a second care area, and

wherein a second user having a second privilege level of the plurality of sets of privileges receives the request and has authorization to approve or disapprove the change to the drug library, wherein the second privilege level allows the second user to thereby modify the drug library within the first care area, but not in the second care area.

167. The method of claim 166, wherein one of the plurality of sets of privileges allocates an editing privilege.

168. The method of claim 166, wherein one of the plurality of sets of privileges allocates a review privilege.

169. The method of claim 166, wherein specifying the master medication list comprises selecting a number of medications from a formulary database.

170. The method of claim 166, wherein defining medication records for one or more portion of the institution comprises selecting desired medications from the master medication list for each of the one or more portions of the institution.

171. The method of claim 170, wherein defining medication records for one or more portion of the institution comprises defining a number of parameters for each of the desired medications.

172. The method of claim 166, wherein verifying the defined medication records comprises reviewing the defined medication records.

173. The method of claim 166, wherein verifying the defined medication records comprises editing and revising the defined medication records.

174. The method of claim 166, wherein producing a drug library file further comprises conducting a pilot phase for the drug library file in which the drug library file is tested on a test medical device.

175. The method of claim 166, wherein producing a drug library file further comprises conducting a pilot phase for the drug library file in which the drug library file is tested on a simulated medical device user interface.

176. The method of claim 166, wherein the verifying the defined medication records comprises reviewing the defined medication records using a simulated medical device user interface.