

Further still, embodiments are contemplated herein where aggregated medical information may be presented to a user of a pharmacy workflow management application. For example, the aggregated medical information may be collected at an information aggregator (e.g., which may or may not also provide alert generation capability). That is, an alert generation module may aggregate data both for presentation in raw form and for processing to generate alert data therefrom. In any regard, the aggregated medical information may be presented to a user of a pharmacy workflow management application. For instance, aggregated information may be presented to a user of the pharmacy workflow management application prior to preparation of a dose. Further still, aggregated medical information may be presented in connection with preparation of a dose. Additionally or alternatively, aggregated medical information may be presented to a user of the pharmacy workflow management application during approval and/or review of a prepared dose. In this regard, the aggregated medical information may be provided in connection with alert data provide to the pharmacy workflow management application or may be provided in the absence of an alert.

Accordingly, a first aspect comprises a pharmacy workstation for preparing doses in connection with execution of a pharmacy workflow management application. The pharmacy workstation includes a memory storing the pharmacy workflow management application and a processor configured to access the pharmacy workflow management application stored in the memory to execute the pharmacy workflow management application, wherein the memory comprises alert processing rules accessible by the processor, wherein the alert processing rules include one or more triggering conditions. The pharmacy workstation also includes an interface in operative communication with the processor and an alert generation platform. The processor is configured to execute following steps: receiving one or more alert data generated from the alert generation platform via the interface; generating one or more alert indications corresponding to at least a portion of the one or more alert data when the one or more alert data meet certain predefined criteria defined by the one or more triggering conditions; and providing the one or more alert indications to the pharmacy workflow management application. The processor is operable to configure a display to present the one or more alert indications to a user at the pharmacy workstation in connection with the pharmacy workflow management application when preparing doses at the pharmacy workstation, such that the one or more alert indications are displayed at a user interface of the pharmacy workstation presented on the display. The one or more

triggering conditions allow for tailoring presentation of the one or more alert indications, thus limiting the number of the one or more alert indications presented on the display. The user interface can further include an input device. The input device can be configured to receive a responsive input from a user of the pharmacy workflow management application corresponding to a response to the one or more alert indications, wherein
5 the response to the alert indication is entered, by the user, into the pharmacy workflow management application. The interface can be in bidirectional communication with the alert generation platform to provide the responsive input to the alert generation platform. The responsive input can include instructions for modification of a corresponding dose order associated with the one or more the alert indications.

A number of feature refinements and additional features are applicable to the first aspect. These
10 feature refinements and additional features may be used individually or in any combination. As such, each of the following features that will be discussed may be, but are not required to be, used with any other feature or combination of features of the first aspect.

For example, in an embodiment the alert indication may be displayed at a user interface of the

What is claimed is:

1. A pharmacy workstation for preparing doses in connection with execution of a pharmacy workflow management application, comprising:

a memory storing the pharmacy workflow management application;

a processor configured to access the pharmacy workflow management application stored in the memory to execute the pharmacy workflow management application;

wherein the memory comprises alert processing rules accessible by the processor, wherein the alert processing rules include one or more triggering conditions; and

an interface in operative communication with the processor and an alert generation platform, wherein the processor is configured to execute following steps:

receiving one or more alert data generated from the alert generation platform via the interface;

generating one or more alert indications corresponding to at least a portion of the one or more alert data when the one or more alert data meet certain predefined criteria defined by the one or more triggering conditions; and

providing the one or more alert indications to the pharmacy workflow management application;

wherein the processor is operable to configure a display to present the one or more alert indications to a user at the pharmacy workstation in connection with the pharmacy workflow management application when preparing doses at the pharmacy workstation, such that the one or more alert indications are displayed at a user interface of the pharmacy workstation presented on the display;

wherein the one or more triggering conditions allow for tailoring presentation of the one or more alert indications, thus limiting the number of the one or more alert indications presented on the display;

wherein the user interface further comprises an input device;

wherein the input device is configured to receive a responsive input from a user of the pharmacy workflow management application corresponding to a response to the one or more alert indications, wherein the response to the alert indication is entered, by the user, into the pharmacy workflow management application;

wherein the interface is in bidirectional communication with the alert generation platform to provide the responsive input to the alert generation platform, and

wherein the responsive input comprises instructions for modification of a corresponding dose order associated with the one or more the alert indications.

2. The pharmacy workstation of claim 1, wherein the user interface comprises an interactive portion corresponding to the one or more alert indications.

3. The pharmacy workstation of claim 2, wherein the one or more alert indications comprises the interactive portion.

4. The pharmacy workstation of claim 2, wherein the interactive portion, upon selection by a user by way of an input provided using the input device, configures the processor to launch execution of the alert generation platform at the pharmacy workstation.

5. The pharmacy workstation of claim 4, wherein the one or more alert indications are provided on a user interface screen of the pharmacy workflow management application corresponding to a pharmacist workspace comprising a listing of dose orders of the pharmacy workflow management application.

6. The pharmacy workstation of claim 4, wherein the one or more alert indications are provided on a user interface screen of the pharmacy workflow management application corresponding to an interface for pharmacist verification of a dose order.

7. The pharmacy workstation of claim 1, further comprising:
a dose processing interface for receipt of dose order data of an order entry system, the dose

order data comprising medication data regarding at least one dose order for administration in connection with provision of medical care.

8. The pharmacy workstation of claim 7, wherein the at least one dose order is populated into a dose order listing displayed at the display of the user interface of the pharmacy workstation.

9. The pharmacy workstation of claim 8, wherein the one or more alert data of the alert generation platform from the interface is in relation to the dose order listing to associate the one or more alert indications with one or more corresponding respective dose order in the dose order listing.

10. The pharmacy workstation of claim 9, wherein the one or more alert data comprises patient specific alert data.

11. The pharmacy workstation of claim 10, wherein the one or more alert data comprises a first patient identifier corresponding to a patient to whom the one or more alert data applies and the dose order data comprises a second patient identifier corresponding to a patient to whom the dose order is to be administered, and wherein correspondence of the first patient identifier and the second patient identifier results in the one or more alert data being associated to the dose order.

12. The pharmacy workstation of claim 11, wherein the dose order listing comprises at least one patient specific dose order and the user interface comprises a patient link that, upon selection by a user by way of an input provided using the input device, configures the processor to launch execution of the alert generation platform at the pharmacy workstation to display a patient report corresponding to the patient associated with the at least one patient specific dose order from the alert generation platform in connection with the pharmacy workflow management application.

13. The pharmacy workstation of claim 9, wherein the one or more alert indications are provided in corresponding relation to the dose order in the pharmacy workflow management application.

14. The pharmacy workstation of claim 1, wherein the interface is in bidirectional communication with the alert generation platform, and wherein the processor is operative to configure the display to present report data in connection with the pharmacy workflow management application that is received from the alert generation platform in response to a request for the report data from the pharmacy workstation.

15. The pharmacy workstation of claim 1, wherein the pharmacy workstation is in operative communication with a server remote from the pharmacy workstation, and wherein the processor is in operative communication with the server for communication of the one or more alert data to the server, and wherein the server stores a copy of the one or more alert data in a server memory located at the server.