What is claimed is:

1. A system for implementation of a data analytics tool for processing a multidimensional data set corresponding to dose order records for data analytics regarding a subset of the dose order records of the multidimensional data set, comprising:

a central server that is in operative communication with a plurality of local servers, each of the local servers being disposed at a corresponding respective facility that prepares doses corresponding to dose orders for administration to a patient, wherein the central server receives information regarding dose order records corresponding to the dose orders from the local servers;

a database at the central server that stores a data structure comprising a multidimensional data set including a plurality of dose order records received from the plurality of local servers, wherein each of the plurality of dose order records of the multidimensional data set comprises at least one indication of the facility from which the dose order record was received;

a local server interface in operative communication with the plurality of local servers for receiving from at least one of the plurality of local servers user information from a user at one of the plurality of facilities, wherein the user information is indicative of a given facility from which the user is accessing a data analytics tool;

a data analytics interface that facilitates operative communication with a data analytics tool, wherein the data analytics interface provides a data analytics tool access to the multidimensional data set stored in the database to generate a dynamically generated report regarding a subset of the multidimensional data set corresponding to the given facility from which the user is accessing the data analytics tool based on the user information received from the local server interface; and

a user interface for presenting to the user at a user interface the dynamically generated report regarding the subset of the multidimensional data set corresponding to the given facility from which the user is accessing the data analytics tool.

2. The system of claim 1, wherein the data analytics tool comprises a plurality of data cube class definitions applicable to the multidimensional data set to generate the dynamically generated report.

3. The system of claim 2, wherein the plurality of data cube class definitions comprise a base cube class definition from which all others of the plurality of data cube class definitions depend.

4. The system of claim 3, wherein the base cube class definition includes at least one data dimension related to the at least one indication of a facility corresponding to the dose order records.

5. The system of claim 4, further comprising:

a data analytics tool executed on a data analytics server in operative communication with the central server for applying the base cube class definition to the multidimensional data set based on the user information indicative of a given facility from which the user is accessing the data analytics tool, wherein the data analytics tool is operative to build a data cube based on the applying that limits the data accessible by the user to the subset of the multidimensional data set corresponding to the given facility from which the user is accessing the data analytics tool.

6. The system of claim 5, wherein the data analytics tool is further operative to perform at least one data transformation operation on the subset of the multidimensional data set, wherein the at least one data transformation operation is defined in the base cube class definition.

7. The system of claim 6, wherein the at least one data transformation comprises automatically transcribing a first data field for each given dose order record in the subset with a second data field of the respective ones of the dose order records of the subset.

8. The system of claim 7, wherein the at least one data transformation is applied only to a given type

of dose order records.

9. The system of claim 8, wherein the type of dose order records are total parenteral nutrition (TPN) doses, the first data field comprises a dose description field, and the second field comprises a drug name field for the given dose.

10. The system of claim 5, wherein the central server is further operative to invoke another of the data cube class definitions depending from the base cube class definition for application to the subset of the multidimensional data set corresponding to the given facility from which the user is accessing the data analytics tool to generate the dynamically generated report regarding the subset of the multidimensional data set.

11. The system of claim 3, wherein the plurality of data cube class definitions include a parameter indicative of whether data cubes built using the data cube class definitions include protected health information (PHI).

12. The system of claim 11, wherein the parameter is dynamically generated based on at least one dimension of the data cube class definition.

13. The system of claim 1, wherein the local server is operative to receive login information from the user accessing the data analytics tool to initiate a user session, wherein the local server is operative to communicate with the central server to authenticate the user to the central server based on the login information received at the local server, and wherein the central server is operative to populate a session variable related to the user session based on authenticated user login information, the session variable comprising the user information indicative of the given facility from which the user is accessing the data analytics tool.

14. The system of claim 13, wherein the data analytics tool further comprises a cryptographic service that is operative to receive a token from a user attempting to access the server, wherein the token is at least partially based on the session variable populated by the central sever, and wherein the cryptographic service is operative to compare the token to available tokens at the central sever to determine if the user is to be granted access to the data analytics tool.

15. The system of claim 14, wherein upon matching the token to one of the available tokens, the token is issued to the user and the corresponding available token is removed from the central server.

16. The system of claim 3, wherein the session variable includes a role definition for the user generated based at least in part on the login information received by the user.

17. The system of claim 16, wherein the role definition includes indications as to the ability of the user in relation to viewing reports, editing reports, viewing cube class definitions, editing cube class definitions, viewing pivot tables, editing pivot tables, viewing dashboards, and editing dashboards.

18. The system of claim 1, further comprising a logging module operative to log user activity in relation to the use of the data analytics tool by the user.

19. The system of claim 18, wherein the logging comprises recording information regarding the user and the usage of the data analytics tool by the user.

20. The system of claim 19, wherein the logging comprises recording the identity of the dynamically generated report presented to the user.

21. The system of claim 20, wherein the logging comprises recording whether the dynamically

generated report presented to the user contained protected health information (PHI).

22. The system of claim 1, wherein the multidimensional data set comprises data regarding the identity of doses, data regarding the steps of preparing the doses, data regarding the timing of doses, data regarding errors that occurred during dose preparation, data regarding product waste, data regarding drug usage, data regarding drug therapies administered, data regarding drug interactions, and data corresponding to alerts at a pharmacy workflow management application.