

Description:

This document captures the flow of a comprehensive EHR/EMR application which is Meaningful Use Stage 1 Certified. Screens corresponding to various actions which the application allows its users to perform are captured. A brief description is also provided under each of these to capture the essence of an action / step. The application can be customized to meet the unique requirements of both small and large healthcare setups. The two most striking features in the application include the fluidity it offers in its navigation and the simplicity in its interface. Both these features put together make the application very user friendly & easy-to-use.

About the Client:

Client: Confidential | Location: USA | Industry: Healthcare

Technologies:

ASP.NET MVC 4, C#, WebAPI, Bootstrap, HTML5, jQuery, SignalR, Entity Framework 5.0, Ready-Roll, Jenkins, SQL Server 2012, Windows Service, Windows Service Host, Telerik Reporting

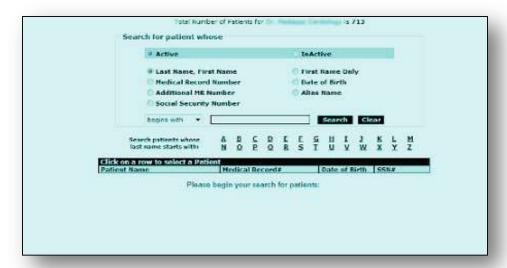
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1. Patient Selection

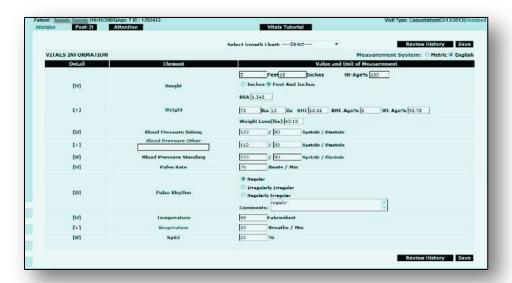
This allows for searching and selecting a Patient for subsequent actions to be performed. Both "Active" and "InActive" patients get covered depending upon need. The number of patients mapped to a specific Physician gets displayed on the top. Based on the criteria used for a search, multiple results can get displayed. To select a specific patient the row corresponding to the person needs to be clicked.



2. Patient Dashboard

As the name suggests, a dashboard helps in providing a common point to capture and showcase patient information in a snapshot. It is also the main screen form where a Physician can maneuver to other screens either for reference or for saving relevant information related to the concerned patient. In the event of a visit by a patient, an encounter is selected from the dashboard.





3. Vitals

This screen is used to capture all the Vital Signs of a Patient. There is provision to review the history of the values captured during the earlier encounters. There is also a tutorial made available for reference.



4. Complaints

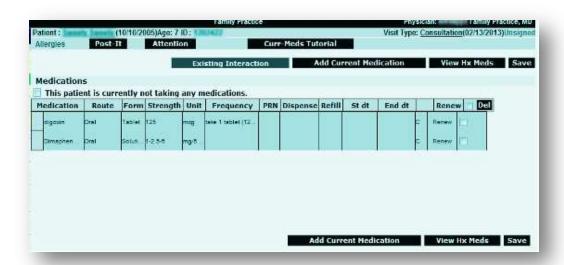
This screen is used to capture the complaints of the patients. For each of the complaints added, there is provision to include the finer details related to it. Physicians can also refer to the ongoing complaints and medical problems. In the event of a patient not having any known complaints, a box on the left hand top corner can be checked.





5. Allergies

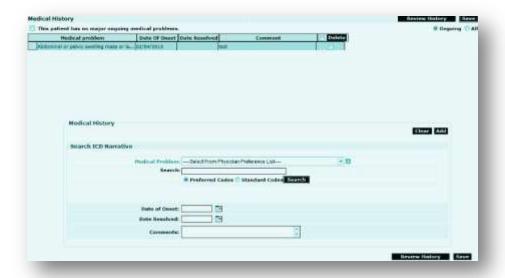
This screen allows for the allergies to be added for a patient and record the corresponding reaction/s to them.



6. Medications

The screen is used to record the medications deemed necessary. Details for each of the medication in terms of strength, frequency, route etc. are all captured. Physicians can refer to the existing interaction and health history of patients before suggesting the medication. They can also refer to medical tutorials to arrive at a better decision.





7. Medical History

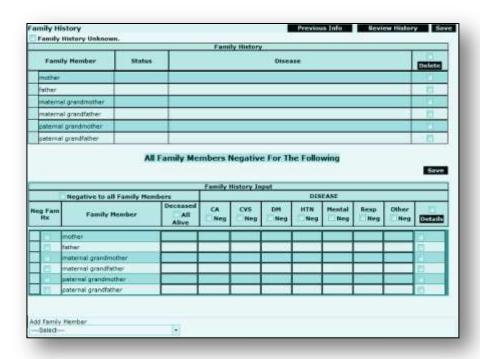
This screen is referred to understand both the history and the ongoing medical problems of a patient. Each new medical problem is captured in terms of its code and its starting date. In the event of the problem getting resolved the corresponding end date is also captured.



8. Surgical History

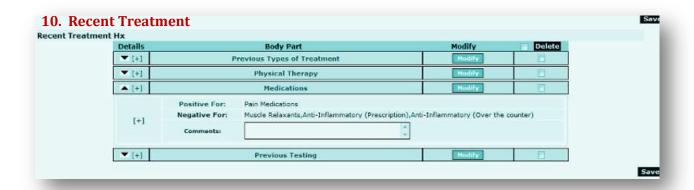
This screen is referred to trace the history of medical surgeries done on a patient. Each new planned surgery is captured in terms of its code and its scheduled date. There is provision for physicians to enter their comments against each of the entries made.





9. Family History

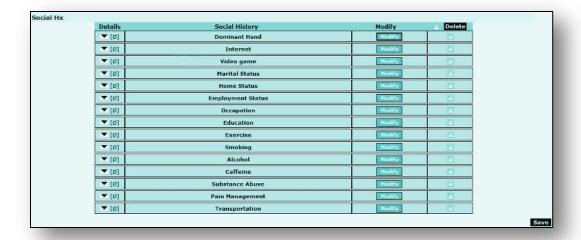
This screen is used to capture information related to the history of diseases of a Patient's immediate family members i.e. the ones related by blood.



This

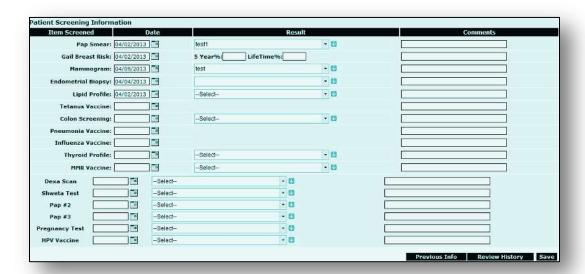
screen is used to capture information related to recent types of treatment undertaken by a patient. Information related to Physical Therapy, Medications etc. are captured.





11. Social History

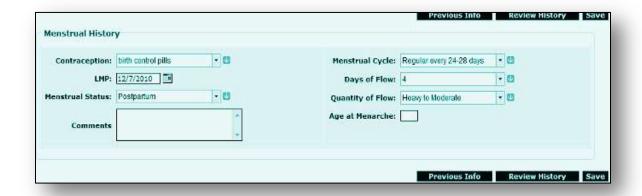
This screen is used to capture information related to the social history of a Patient. Examples of some of fields include Marital Status, Employment Status, Education, Substance Abuse etc.



12. Patient Screening Information

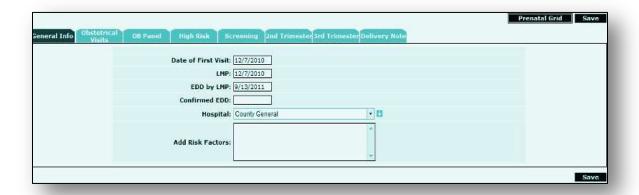
This screen is used to capture information related to the screening tests done on patients. Date and results of the screening tests done is captured with provision to include comments corresponding to each of them.





13. Menstrual History

This screen is used to capture information of the menstrual cycle of Female Patients



14. Prenatal

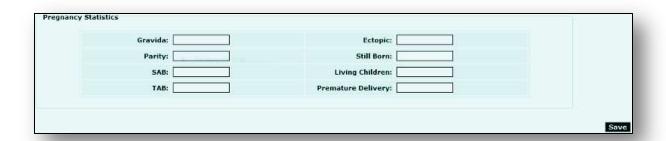
This section is used to capture information related to prenatal care. There are various tabs with each corresponding to a screen to record information related to a certain category e.g. General Info, Obstetrical visits, OB Panel, High Risk etc.





15. Obstetrician History

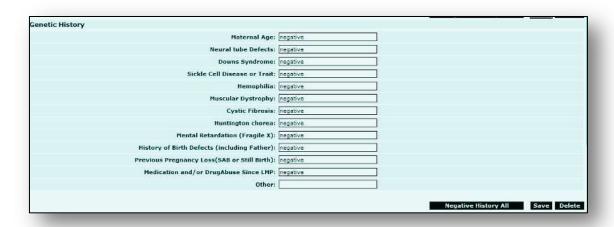
This screen is used to capture information related to childbirth. Examples of information which is captured includes Date of Birth, Gender, Weight, Delivery type etc



16. Pregnancy Statistics

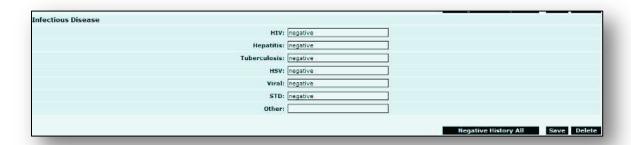
This screen is used to capture information related to Pregnancy.





17. Genetic History

This screen is used to capture information related to the genetic history of a patient. Examples of some of the fields used to capture information include Hemophilia, Cystic Fibrosis, Huntington Chorea, Previous Pregnancy Loss etc.



18. Infectious Disease

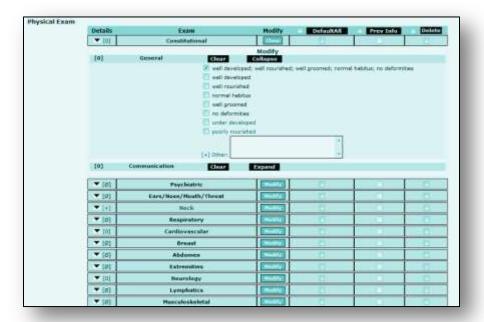
This screen is used to capture information related to any infectious disease that the patient might be carrying.





19. Review of Systems

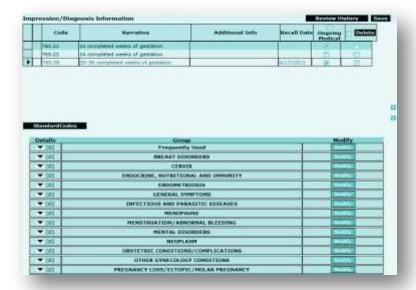
This screen shows the various systems in a patient's body. Based on need, each of the systems can be examined and relevant information for that system captured. This information can also be modified during the course of the treatment. Examples of the systems include Cardiovascular, Respiratory, Neurological, Psychiatric etc.



20. Physical Exam

Information pertaining to the various systems of a Patient's body which are examined physically is captured in this screen.





21. Impression Diagnosis Info

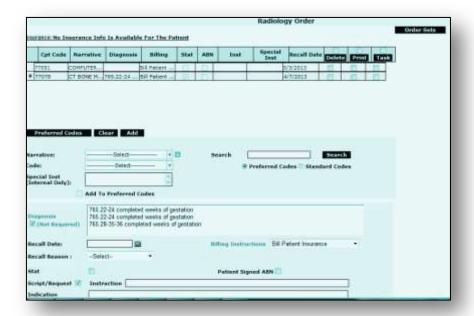
This screen is used to capture information during the course of diagnosis of a patient. There are standard codes which are to be used to capture relevant information with precision. Physicians can also refer to historical information.



22. Lab Order

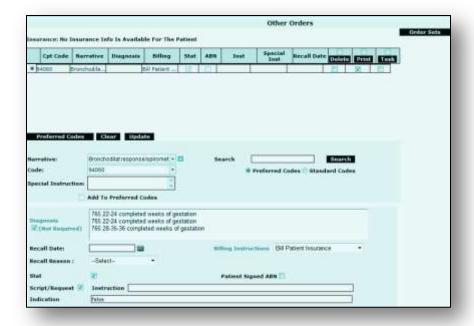
This screen captures a Lab order. Required Narrative with codes along with relevant diagnosis information is shared. Required Billing and other instructions are provided.





23. Radiology Order

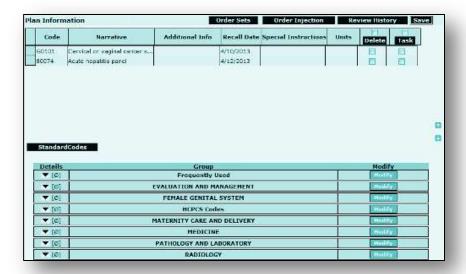
This screen captures a Radiology order. Required Narrative with codes along with relevant diagnosis information is shared. Required Billing and other valid instructions are provided.



24. Other Orders

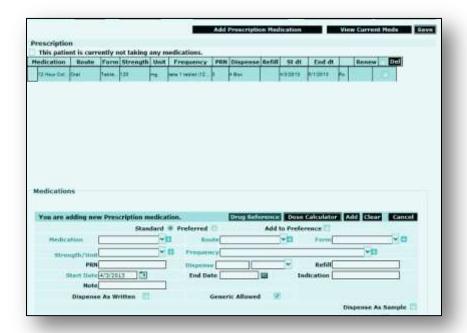
This screen is used for sending "Other Orders". Required Narrative with codes along with relevant diagnosis information is shared. Required Billing and other valid instructions are provided.





25. Procedures

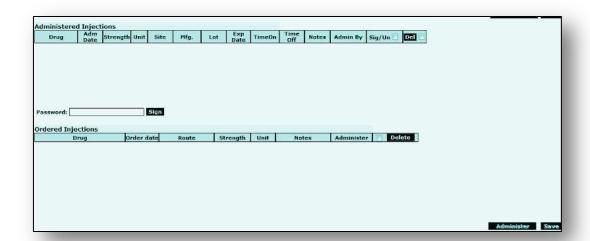
This screen is used for capturing all the relevant information related to various procedures.



26. Prescription

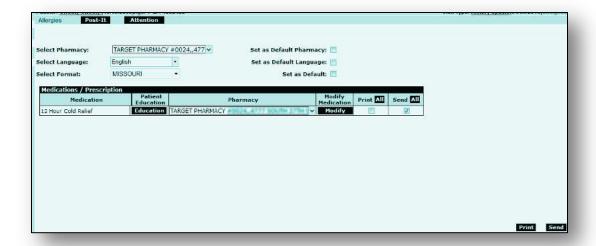
This screen is used for capturing medication prescription. Details such as route, form, strength, frequency, start & end date etc. are captured. Physicians can also have a look at the other medications prescribed at any point in time. To help in better decision making there drug references and dose calculators made available.





27. Injections

This screen shows all relevant information related to injections already administered and the ones ordered for a patient. Strength, Unit, administered date etc. are some of the fields used to capture information related to the injections.



28. Pharmacies

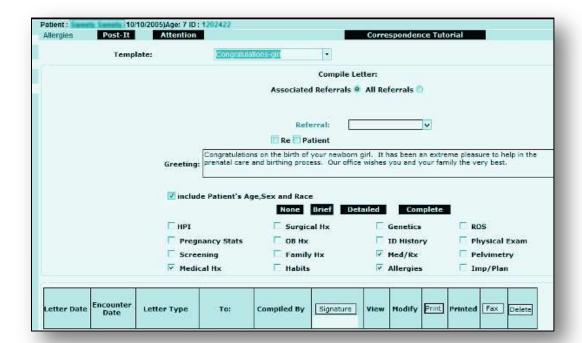
This screen shows a preview of a pharmacy order. Pharmacies are selected from a dropdown box and the required medication details are sent across. There is provision to mark a pharmacy as a default one for a certain region.





29. In-house Lab

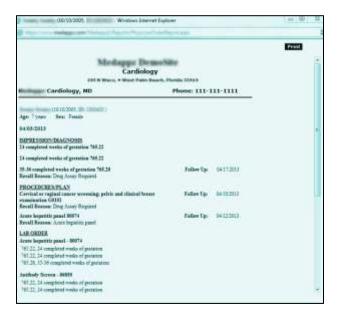
This screen is used to send orders to in-house laboratories. The type for each of the categories e.g. Blood sugar, Fern Test etc is identified and the order sent across.



30. Correspondence

This screen is used for correspondence between Physicians and their Patients. In addition to the content of the message, relevant information can be shared.





31. Visit Report

This screen is shows the snapshot of a visit report. It captures essential information related to the encounter for e.g. Medications, Allergies etc.



32. Physical Orders

This screen is shows the snapshot of a Physical Order.





33. Signature

This screen captures the process of using e-signature



34. ePrescribe Queue

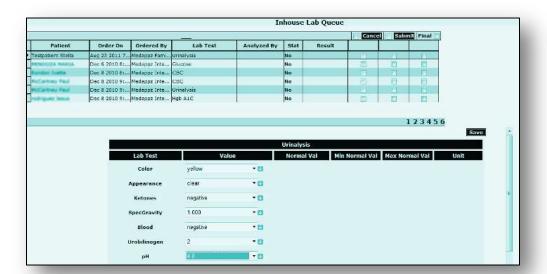
This screen captures the incoming and outgoing queue for e-Prescription in addition to the fax log. Different colors of fonts are used to indicate varied user actions.





35. Documents Queue

This screen captures the queue of documents for a particular unit e.g. Cardiology Unit. These documents are classified under various headings and queued for subsequent actions to be taken.



36. In-house Lab Queue

This screen captures the queue of orders for a laboratory. For each of the order, the name of the patient and the date the order was put forth is captured in addition to its type. After the analysis / test is performed required details are updated.