

E-101/4544/2015

## ABSTRACT



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A zero-type system for capturing medical records and providing prescriptions, said system comprising: at least a pre-defined set of pre-configured clinical and / or medical terminology stored in databases; at least a pre-defined set of pre-configured templates stored in databases, characterised in that, said templates comprising multiple templates corresponding to various aspects of a doctor-patient visit, and said templates correlating with said pre-configured clinical and / or medical terminology; characterised in that, said pre-defined set of pre-configured templates and said pre-defined set of pre-configured clinical and / or medical terminology being correlated in a hierarchical manner to move from one touch based response to another through said multiple templates by selecting said clinical and / or medical terminology, thereby recording data through said multiple templates in a zero-type manner.



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1. A zero-type system for capturing medical records and providing prescriptions, said system comprising:

- at least a pre-defined set of pre-configured clinical and / or medical terminology stored in databases;
- at least a pre-defined set of pre-configured templates stored in databases, characterised in that, said templates comprising multiple templates corresponding to various aspects of a doctor-patient visit, and said templates correlating with said pre-configured clinical and / or medical terminology;
- characterised in that,
- said pre-defined set of pre-configured templates and said pre-defined set of pre-configured clinical and / or medical terminology being correlated in a hierarchical manner to move from one touch based response to another through said multiple templates by selecting said clinical and / or medical terminology, thereby recording data through said multiple templates in a zero-type manner.

2. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a first template corresponding at least to examination procedures;
- at least a second template corresponding at least to diagnosis;
- at least a third template corresponding at least to tests and results;
- at least a fourth template corresponding at least to prescriptions;
- at least a fifth template corresponding at least to treatment plans; and
- at least a sixth template corresponding at least to prognosis.

3. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured clinical and / or medical terminology comprising:

- at least a first set of terminologies correlating with at least a first template corresponding at least to examination procedures,
- at least a second set of terminologies correlating with at least a second template corresponding at least to diagnosis;
- at least a third set of terminologies correlating with at least a third template corresponding at least to tests and results;
- at least a fourth set of terminologies correlating with at least a fourth template corresponding at least to prescriptions;
- at least a fifth set of terminologies correlating with at least a fifth template corresponding at least to treatment plans; and
- at least a sixth set of terminologies correlating with at least a sixth template corresponding at least to prognosis.

4. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured clinical and / or medical terminology is a specialty-specific pre-defined set of pre-configured clinical and / or medical terminology.

5. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured clinical and / or medical terminology further being correlated with at least a frequency response mechanism configured to compute frequency of use of each terminology and to prompt relatively more frequently used terminologies earlier or more promptly than others.

6. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured clinical and / or medical terminology further being correlated with at least a frequency response mechanism configured to compute frequency of use of each terminology in correlation with context and use this correlative context to prompt relatively more frequently used terminologies earlier or more promptly than others, in correlation to the context at hand.
7. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates stored in databases being correlated with an auto-population mechanism configured to auto-populate templates to a certain degree based on pre-defined parameters.
8. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates stored in databases being correlated with an auto-population mechanism configured to auto-populate templates to a certain degree based on pre-defined parameters, characterised in that, said auto-populate mechanism being configured to auto-populate fields in a template, said pre-defined parameters comprising order of data across said templates and / or order of said templates.
9. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said system comprising a correlative mechanism configured to correlate order of input of said clinical and / or medical terminologies across said templates in order to pre-empt or auto-populate input

of successive clinical and / or medical terminologies across said templates based on preceding clinical and / or medical terminologies across said templates as defined by the correlative mechanism.

10. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said system comprising a correlative mechanism configured to correlate order of input across said templates in order to pull a successive template based on a preceding template and data from said correlative mechanism.

11. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said system comprising at least a speech to text mechanism configured to convert speech to text, thereby enabling doctors in their clinical documentation and also to navigate through the various steps of a patient management flow.

12. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a first set of templates relating to examination templates and a first set of clinical and / or medical terminologies, correlating to examination procedures, characterised in that, said system further comprising:
- at least a body parts' database adapted to comprise a list of body parts;
- at least a body parts' field linked with said body parts' database, listing of said body parts being provided in a touch-based selectable manner;
- at least an illnesses' database adapted to comprise a list of illnesses;

- at least an illnesses' field which lists illnesses, at least an illness being selected in a touch-based selectable manner.

13. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said system comprising:

- at least a plurality of sets of databases, each at least a successive database being linked with at least a preceding database in a hierarchical top down manner, thereby forming a one-is-to-many correlation for every item in a preceding database in relation to a list of items in a successive database, said databases comprising:

- at least a preceding set of databases relating to a preceding set of items relating to preceding level of examination findings or reports that populate a preceding set of fields, said items being selectable in a touch-based manner;

- at least a successive set of databases relating to a successive set of items relating to successive level of examination findings or reports that populate a successive set of fields, said items being selectable in a touch-based manner; and

- at least a relationship establishing mechanism adapted to establish a relationship between an item of a successive database to an item of a preceding database.

14. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a second set of templates relating to diagnosis templates and a second set of clinical and / or medical terminologies, correlating to diagnosis, characterised in that, said system further comprising:

- at least a symptoms' database adapted to host a list of symptoms;

- at least a body parts' database linked to said at least a symptoms' database, said body part being listed in a touch-based selectable manner;
- at least a symptoms' field which lists symptoms in a touch-based selectable manner, said symptoms' field linked with said at least a symptoms' database.

15.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a second set of templates relating to diagnosis templates and a second set of clinical and / or medical terminologies, correlating to diagnosis, characterised in that, said system further comprising:
  - at least a signs' database adapted to host a list of signs;
  - at least a body parts' database linked to said at least a signs' database, said body part being listed in a touch-based selectable manner;
  - at least a signs' field which lists signs in a touch-based selectable manner, said signs' field linked with said at least a signs' database.

16.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a second set of templates relating to diagnosis templates and a second set of clinical and / or medical terminologies, correlating to diagnosis, characterised in that, said system further comprising:
  - at least an aggregation engine adapted to aggregate signs, symptoms, and results of examination proceedings in order to provide an aggregated view of said aggregated data to a doctor; and

- at least a diagnosis recording mechanism adapted to record a diagnosis for a doctor-patient encounter based on aggregated view of aggregated data.

17. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a third set of templates relating to tests and results templates and a third set of clinical and / or medical terminologies, correlating to tests and results, characterised in that, said system further comprising:
  - at least a tests' database adapted to host a list of tests that can be prescribed to a patient, said tests being linked to body parts from at least a body parts' database;
  - at least a tests' field corresponding to said at least a tests' database, said test being listed in a touch-based selectable manner.

18. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a third set of templates relating to tests and results templates and a third set of clinical and / or medical terminologies, correlating to tests and results, characterised in that, said system further comprising:
  - at least an image uploading mechanism adapted to upload images in relation to tests performed.

19. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a third set of templates relating to tests and results templates and a third set of clinical and / or medical terminologies, correlating to tests and results, characterised in that, said system further comprising:
- at least a results' uploading mechanism adapted to upload results in relation to tests prescribed.

20. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a third set of templates relating to tests and results templates and a third set of clinical and / or medical terminologies, correlating to tests and results, characterised in that, said system further comprising:
- at least a definition mechanism adapted to define units, ranges, and test related parameters in order to provide normal results' data alongside actual results' data that is fed to the results' uploading mechanism.

21. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least an illnesses' database adapted to comprise a list of illnesses provided in a touch based selectable manner;
- at least a first populating mechanism configured to be activated in response to a touch selectable illness in order to prompt further actions or populate further fields.

22.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least an illnesses' database adapted to comprise a list of illnesses provided in a touch based selectable manner;
- at least a medicines' database adapted to comprise a list of medicines provided in a touch based selectable manner;
- at least a correlation mechanism configured to correlate illness to medicines in order to pre-populated or pre-activated or pre-highlighted at least a medicine from said at least a medicines' database in response to a selected illness from said at least an illnesses' database.

23.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least an illnesses' database adapted to comprise a list of illnesses provided in a touch based selectable manner;
- at least a medicines' database adapted to comprise a list of medicines provided in a touch based selectable manner;
- at least a correlation mechanism configured to correlate illness to medicines in order to pre-populated or pre-activated or pre-highlighted at least a medicine from

said at least a medicines' database in response to a selected illness from said at least an illnesses' database;

- at least an auto-suggest mechanism configured to pop up or suggest medicines starting with inserted letters and similar or same medicines;
- at least a second populating mechanism configured to prompt further actions or populate further fields.

24. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least an illnesses' database adapted to comprise a list of illnesses provided in a touch based selectable manner;
- at least a medicines' database adapted to comprise a list of medicines provided in a touch based selectable manner;
- at least a correlation mechanism configured to correlate illness to medicines in order to pre-populated or pre-activated or pre-highlighted at least a medicine from said at least a medicines' database in response to a selected illness from said at least an illnesses' database;
- at least an auto-suggest mechanism configured to pop up or suggest medicines starting with inserted letters and similar or same medicines;
- at least a second populating mechanism configured to prompt further actions or populate further fields,

further, characterised in that, said auto-suggest mechanism being configured to populate fields relating to at least a symptoms' field correlative to at least a

symptoms' database, at least a history of present illness field correlative to at least a, at least a basic clinical history field correlative to at least a history of present illness database, at least a signs' field correlative to at least a signs' database, and / or its combinations based on a selected illness from said illness database correlative to at least a illness database, basic clinical history field correlative to at least a basic clinical history database.

25. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a directions' database adapted to provide directions in relation to use of each of selected medicine;
- at least a directions' field linked to at least a directions' database which displays directions in a touch based selectable manner;
- at least a second populating mechanism correlating with said at least a directions' database in order to populate directions based on pre-defined logic or in correlation with a symptom from a symptoms' database or in correlation with items from history of present illness database or in correlation with items from basic clinical history database or its combinations.

26. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a dosages' database adapted to provide dosages in relation to use of each of selected medicine;
- at least a dosages' field adapted to display the dosages in a touch based selectable manner;
- at least a second populating mechanism correlating with said at least a dosages' database in order to populate directions based on pre-defined logic or in correlation with a symptom from a symptoms' database or in correlation with items from history of present illness database or in correlation with items from basic clinical history database or its combinations.

27. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a routes' database adapted to provide routes in relation to use of each of selected medicine;
- at least a routes' field linked to at least a routes' database to display routes in a touch based selectable manner;
- at least a second populating mechanism correlating with said at least a routes' database in order to populate routes based on pre-defined logic or in correlation with a symptom from a symptoms' database or in correlation with items from

history of present illness database or in correlation with items from basic clinical history database or its combinations.

28.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a duration database adapted to provide duration in relation to use of each of selected medicine;
- at least a duration field linked to at least a duration database to display duration in a touch based selectable manner;
- at least a second populating mechanism correlating with said at least a duration database in order to populate duration based on pre-defined logic or in correlation with a symptom from a symptoms' database or in correlation with items from history of present illness database or in correlation with items from basic clinical history database or its combinations.

29.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a remarks' database adapted to provide duration in relation to use of each of selected medicine;

- at least a remarks' field linked to at least a remarks' database to display remarks in a touch based selectable manner;
- at least a second populating mechanism correlating with said at least a remarks' database in order to populate remarks based on pre-defined logic or in correlation with a symptom from a symptoms' database or in correlation with items from history of present illness database or in correlation with items from basic clinical history database or its combinations.

30. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a visual indicating mechanism adapted to indicate dosages in relation to intervals of dosages per day;
- at least a visual indicating field linked to said at least a visual indicating mechanism which displays the dosages in terms of intervals per day, in a pre-defined manner, in a touch based selectable manner;
- at least a second populating mechanism correlating with said at least a visual indicating mechanism in order to populate indicating dosages based on pre-defined logic or in correlation with a symptom from a symptoms' database or in correlation with items from history of present illness database or in correlation with items from basic clinical history database or its combinations.

31.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- first numerical keypad relates to inputs for dosages, in that, it comprises the incorporation of a decimal point and / or numerical bearing values  $\frac{1}{2}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$  useful for tapering of dosages.

32.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a learning mechanism adapted to learn correlations between dosages and illnesses, dosages and symptoms, dosages and items of present illness history, dosages and items of basic clinical history, and its combinations, said learning mechanism being intelligently coupled with at least a first populating mechanism and at least a second populating mechanism in order to provide for auto-suggestion based on a selected medicine or based on a selected illness or based on a selected combination of medicine and illness.

33.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a counter mechanism adapted to count frequency of use of medicine in relation to various parameters, said frequency of use of medicine adapted to be correlated with data from at least a learning mechanism in order to said system to learn medicine count relating to various factors of use per doctor or per patient or per patient-doctor interaction.

34. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a weight assigning mechanism adapted to assign pre-defined weights for a medicine in relation to pre-defined parameters.

35. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:
- at least a unique identifier generator adapted to generate a unique identifier, per patient, said unique identifier generator being linked to a unique identifier

database tagged correspondingly with patient identity, referring doctor identity, as well as with the prescription module of said system.

36.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:

- at least a dynamic link generator adapted to dynamically link each generated unique identifier with a medication database in a manner such that medications prescribed by a doctor are activated and communicably coupled to a unique identifier.

37.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fourth set of templates relating to prescriptions templates and a fourth set of clinical and / or medical terminologies, correlating to prescriptions, characterised in that, said system further comprising:

- at least a plurality of nodes for purchasing prescribed medications.

38.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fifth set of templates relating to treatment plan templates and a fifth set of clinical and / or medical terminologies, correlating to treatment plan, characterised in that, said system further comprising:
- at least a pre-defined order set database adapted to define and store various order sets;
- at least a pre-defined order set field adapted to list order sets in a touch-based selectable manner;
- at least an illnesses' database linked with at least an order set database.

39.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fifth set of templates relating to treatment plan templates and a fifth set of clinical and / or medical terminologies, correlating to treatment plan, characterised in that, said system further comprising:
- at least an allergies database adapted to store a list of allergies;
- at least an allergies field adapted to list allergies in a touch-based selectable manner;
- at least a medicines' database adapted to be linked with said allergies database in order to indicate and block contraindicating medicines per patient allergy.

40.A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fifth set of templates relating to treatment plan templates and a fifth set of clinical and / or medical terminologies, correlating to treatment plan, characterised in that, said system further comprising:

- at least a procedures database adapted to store a list of procedures adapted to be prescribed to a patient;
- at least a procedures field adapted to list procedures, in a touch based selectable manner.

41. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fifth set of templates relating to treatment plan templates and a fifth set of clinical and / or medical terminologies, correlating to treatment plan, characterised in that, said system further comprising:
  - at least a referrals database adapted to store a list of referrals that can be prescribed to a patient;
  - at least a referrals field linked with said at least a referrals database adapted to list referrals in a touch based selectable manner.

42. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a fifth set of templates relating to treatment plan templates and a fifth set of clinical and / or medical terminologies, correlating to treatment plan, characterised in that, said system further comprising:
  - at least a recommendations field adapted to allow input of recommendations, per patient, in a touch based selectable manner.

43. A zero-type system for capturing medical records and providing prescriptions as claimed in claim 1 wherein, said pre-defined set of pre-configured templates comprising:

- at least a sixth set of templates relating to prognosis templates and a sixth set of clinical and / or medical terminologies, correlating to prognosis, characterised in that, said system further comprising:
- at least an update mechanism adapted to update a first set of databases in order to store resumption of normalcy or progress of patient; further characterised in that, said update mechanism being configured to define prognosis in accordance with a time-stamped and date-stamped manner.

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## **Field of the Invention**

This invention relates to the field of information systems, computational systems, databases, and networking systems, and communication systems.

Particularly, this invention relates to the field of healthcare information, healthcare technology, healthcare management, practice management, clinical management, electronic medical records, electronic health records, medical charting, record keeping and care co-ordination systems.

Specifically, this invention relates to a zero-type system and method for capturing medical records and providing prescriptions.

## **Background of the Invention**

Medical practice entails activities in relation to health and body, surgical procedures, examination procedures, diagnostic procedures, prognosis procedures, and the like activities. Qualified medical professional are equipped to deal with various facets of medical practice; in relation to the academic qualification that they have reached, in relation to the professional experience that they have gained.

The terms medical record, health record, and medical chart are used somewhat interchangeably to describe the systematic documentation of a single patient's medical history and care across time within one particular health care provider and also with multiple health care providers.

Medical records comprise variety of notes and data relating to client-patient interaction. This comprises diagnosis data, medical history data, signs and symptoms data, reports' data, test results' data, drugs and medication data, prognosis data, visit notes, insurance data, demographics, health histories, and the like. The maintenance of complete and accurate medical records is essential for the doctor as well as the patient from a medical perspective as well from a legal perspective.

Further, patient management software (PMS) is referred to as software that is regulated as a medical device. It is a system that is used to acquire medical information from a medical device to be used in the treatment or diagnosis of a patient. It can also be used as an aid to supplement the judgement and decision of a doctor.

The types of personal health information that can be included may be as follows:

- Name, birth date, blood type, and emergency contact

- Date of last physical
- Dates and results of tests and screenings
- Major illnesses and surgeries, with dates
- A list of medicines, dosages and how long they are being taken
- Any allergies
- Any chronic diseases
- Any history of illnesses in your family

In an endeavor to promote paperless activities, legislations are now being passed. There are legislations in various parts of the world. One sector specific legislation in USA, is the HITECH Act, 2009. In USA, the Health Information Technology for Economic and Clinical Health Act, abbreviated HITECH Act, 2009, is aimed to promote and expand the adoption of health information technology. Its further aim is to create a nationwide network of electronic health records.

In order to conserve paper for a greener earth, electronic records have assumed great significance in today's world. The healthcare ecosystem, hence, warrants use of paperless systems and methods which provide for medical records as well as for practice management / clinical management.

Tablet computational devices along with smart phone or PDAs are omnipresent and this technology has seeped everyday life. It is important to leverage the ease and use of this technology in the healthcare ecosystem, too. Decreasing costs and increasing user acceptance are the key drivers of acceptance of this technology in everyday lives.

The term, 'healthcare ecosystem', or 'healthcare', generically refers to various personnel such as doctors, general practitioners, surgeons, specialist doctors, specialist surgeons, dentists, specialist dentists, physiotherapists, therapists, nurses, paramedical staff, nodes, systems, points of care, hospitals, clinics, dispensaries, nursing homes, imaging labs, diagnostic centres, test labs, testing labs, rehabilitation centres, operating rooms, recuperating centres, examination centres, chemists, pharmacies, ambulances, emergency units, and the like care-giving environments, and even insurance related practitioners and systems.

There is a paper trail in medical practice which is cumbersome to doctors, to patients; to the entire healthcare ecosystem. The paper trail is a deterrent for portability of information from one node of a healthcare environment to another. There needs to be coherence or collaboration for seamless access of data per patient.

Electronic Medical Record refers to storing medical record in an electronic format as opposed to a paper format, which is widely practiced. The limitations of the paper format are its security, its portability, is universality.

In at least a first context, clinical management systems and method involve examination.

In medical parlance, and for the purposes of this specification, an 'examination' is a physical examination, a medical examination, or a clinical examination which generally relates to a process by which a medical professional investigates the body of a patient for signs of disease. It generally follows the taking of the medical history — an account of the symptoms as experienced by the patient. Together with the medical history, the physical examination aids in determining the correct diagnosis and devising the treatment plan. This data then becomes part of the medical record. Medical examination can be conducted by qualified practitioners. A qualified practitioner might be a physician, dentist, nurse practitioner, pharmacist, psychologist, lab technician, radiologist, or other health care providers.

In its electronic format, it is necessary to have an intelligent system and method which provides for an electronic template for recording examinations. Examinations, during a patient – doctor interaction, need to be intuitive, learn doctor behaviour, and relegate the need to type, thereby providing a relatively faster examination recording mechanism.

In at least a second context, clinical management systems and method involve diagnoses.

'Diagnosis' is the identification of the nature and cause of a certain phenomenon. Diagnosis is used in many different disciplines with variations in the use of logics, analytics, and experience to determine "cause and effect". In medial parlance, 'diagnosis' refers to both the process of attempting to determine or identify a possible disease or disorder and to the opinion reached by this process. Medical diagnosis or the actual process of making a diagnosis is a cognitive process. A clinician uses several sources of data and puts the pieces of the puzzle together to make a diagnostic impression

In its electronic format, there is a need to have a record of items which aid diagnosis; the record of items being selected from examinations (vital and

physical), tests and results, past data, prevalent viruses or epidemics, or the like data.

In at least a third context, clinical management systems and method involve tests and results.

‘Tests’ and ‘results’ aid in confirming visual and physical diagnosis for a doctor. In its electronic format, tests and results data need to be seamlessly available while treating a patient and need to be stored in an appropriate or pre-defined manner. These tests and results are records stored in correlation with diagnosis, patient health, prognosis, patient type, geo-location, and the like parameters.

In its electronic format, it is necessary to have a format for tests and results which aid documenting data pertaining to tests and results. The electronic format needs to be intuitive with a host of pre-fed data in order to make documentation easier and in lesser number of gestures / actions.

In at least a fourth context, clinical management systems and method involve prescription of medication.

A ‘prescription’ generally relates to orders to be performed by a patient, caretaker, nurse, pharmacist, physician, other therapist, or by automated equipment. These orders are, typically, given by qualified practitioners. A qualified practitioner might be a physician, dentist, nurse practitioner, pharmacist, psychologist, or other health care providers. Formerly, prescriptions often included detailed instructions regarding compounding of medications. Typically, prescription comprises medicine(s) name, directions relating to the medicine(s), dosages with intervals to take the medicine(s), route of using the medicine(s), duration to take the medicine(s), remarks pertaining to medicine(s), and the like.

In its electronic format, it is necessary to have an intelligent system and method which provides for an electronic prescription during a patient – doctor interaction, which electronic prescription is intuitive, learns doctor behaviour, and relegates the need to type, thereby providing a relatively faster prescription mechanism.

In at least a fifth context, clinical management systems and method involve treatment plan(s). A treatment plan includes steps beyond prescriptions. This includes further tests and results along with referrals or recommendations and further procedures, if any.

