Siddhartha, here is a first round of thoughts on the types of data items collected and the fewest types of forms one needs to build to accommodate all of them.

This list is certainly not finalized; it can be a basis for discussions.  And among these forms, there are priorities, so you certainly don't have to have all the different types in place before you implement.

- Jonathan

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Data entry includes view/enter/edit, for status (long-term things like meds, allergies and problems) and transactions (short-term things like vital signs)

Data types (just a few examples):

1. Status
   1. Medications
   2. Allergies
   3. Problems/conditions
   4. Procedure history
   5. Past visit list
   6. Future visit list
2. Transactions
   1. Vital signs
   2. Progress note
   3. Physical exam
   4. Test result
   5. Specific parameters being collected today (lab results, number of cigarettes smoked this week, etc.)
   6. Orders - meds, lab tests, xrays, physical therapy
   7. Referral initiation

Form types (view/enter/edit):

1. Individual item forms:  Each of these has a form structure so you can edit the current item or previous items.  For each there may be a  full-page entry form and a smaller form for the dashboard view.
   1. Individual structured status item form (allergy, problem list)
   2. Individual structured transaction form (medication order, new lab test entry)
      1. For drugs, there is a status display for current meds, a transaction display for all meds
   3. Charts (trend vs time, labs or growth)
   4. Text documentation
   5. Orders, including referrals
2. Multiple item forms:
   1. Data form - capture several related short-term  parameters at one time, centered on a particular issue with quick entries, e.g., asthma progress; prenatal regular measurements like weight, abdomen size, urine protein; vital signs; physical exam
   2. Data progress tables vs time (growth, feeding, drugs) may be aggregated from these forms
   3. Specific, disease-focused flowsheet of several parameters over time, showing latest values
3. Schedules and plans:
   1. Schedule Tables (immunization schedule, vaccines vs time; health maintenance such as timed eye and foot exams for diabetics)
   2. Plan definition form
   3. Plan progress: past and future visits
   4. Worklist (my tasks for today across all patients)
   5. Reminder alerts
4. Multi-patient forms
   1. Patient tracking / census
   2. OR status