Learning Health Systems Tech Forum

It's Time for a New Kind of Electronic Health Record

John Glaser, PhD | December 7, 2020

https://hbr.org/2020/06/its-time-for-a-new-kind-of-electronic-health-record

Value-base care is a significant change in the health care business model



Reactive sick care to proactive management of health



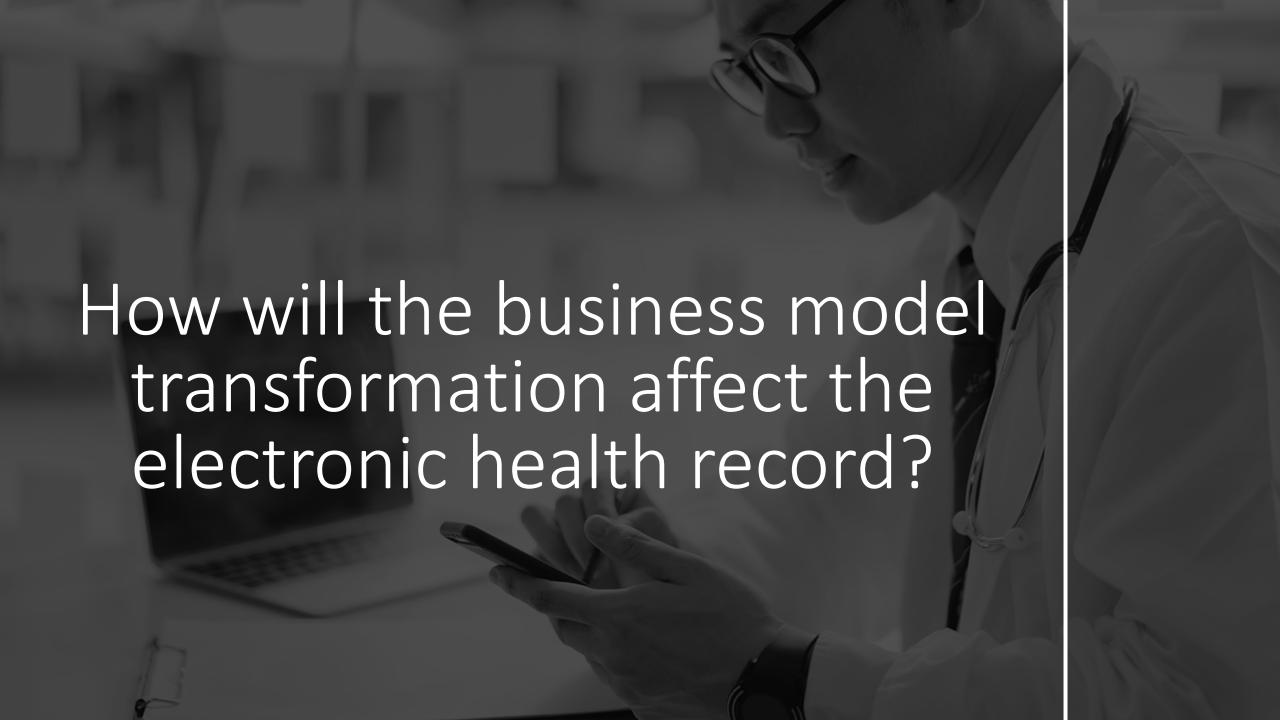
Rewarded for volume to rewarded for quality, safety and efficiency



Fragmented, niche care to a cross-continuum system of care



Clinician centricity to patient centricity



From the record to the plan

The shift to the plan

The movement to value-based care will place an emphasis on creating, sharing, effecting, monitoring and evaluating a plan for health for each person and the plans for a population of people.

This shift requires that the EHR have several plan-centric capabilities

- A library of customizable plans
- Means to combine plans; identify redundancies, conflicts and priorities
- Ability for plan tasks to be assigned across multiple members of the care team including the patient and family

The shift to the plan

This shift requires that the EHR have several plan-centric capabilities

- Tailoring of the plan to address care roles across multiple venues
- Decision support and workflow logic to monitor plan conformance and alert if material deviation is occurring
- Analytics to determine the aggregate effectiveness of plans
- Analytics to identify superior plans

From transaction-oriented to intelligence-oriented

The shift to intelligence-oriented

The movement to value-based care will place an emphasis on applying intelligence to transactions, processes and the plan to help advance the efficiency, effectiveness and safety of care and improve health

This shift requires that the EHR have several intelligence-oriented capabilities

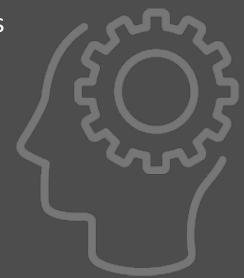
- Guide clinical diagnostic and therapeutic decisions
- Analyze patient data to discover new treatments, uncover safety issues, and identify unusual clinical findings
- Monitor the execution of core clinical processes

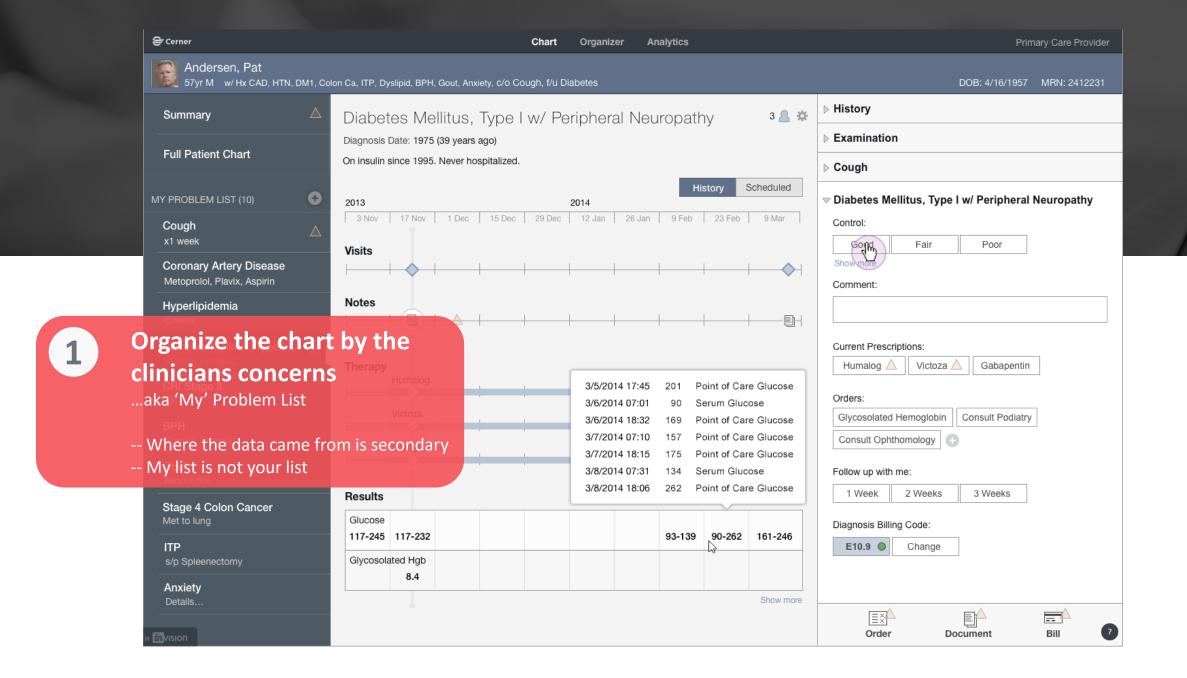


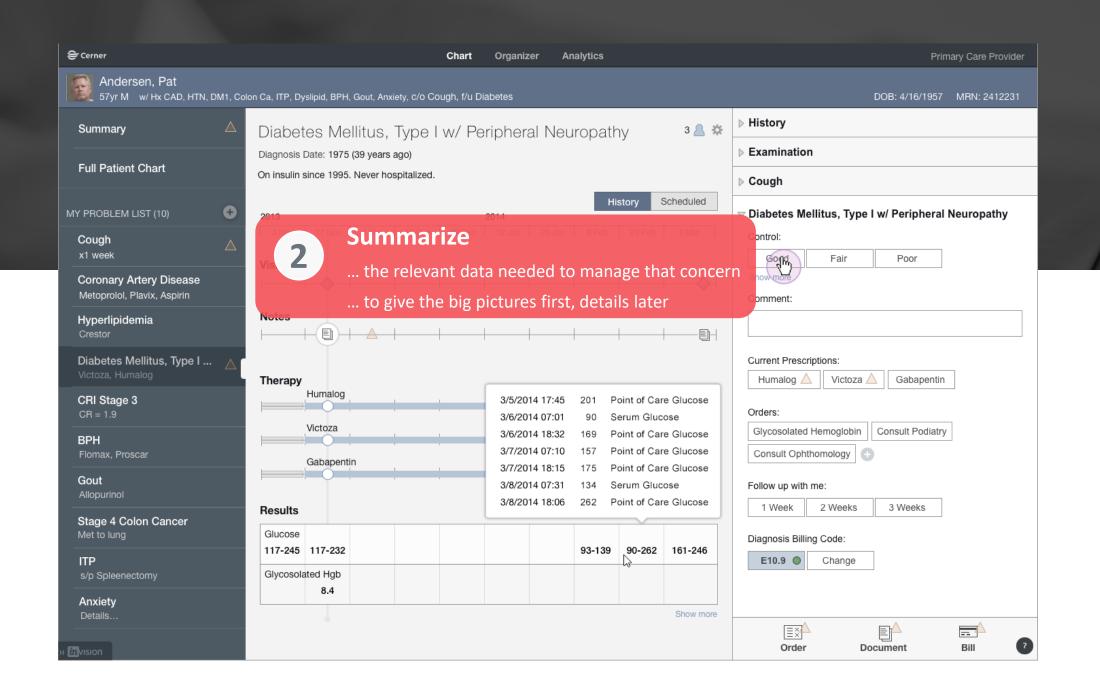
The shift to intelligence-oriented

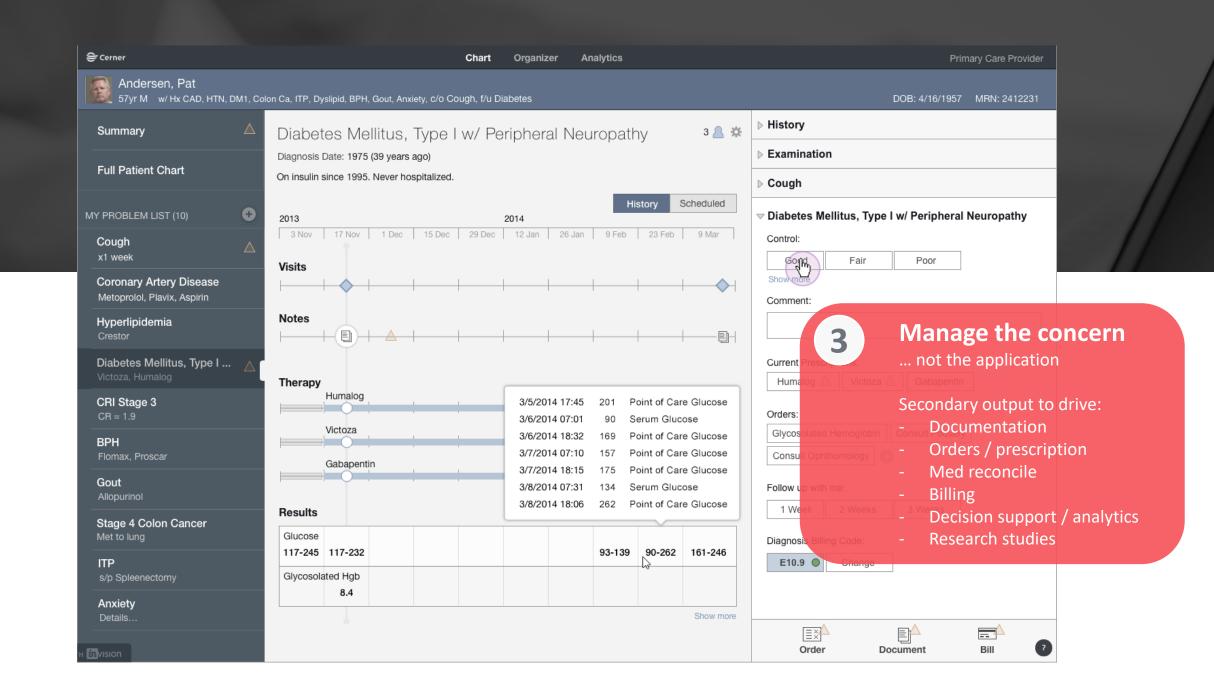
This shift requires that the EHR have several intelligence-oriented capabilities

- Present the clinician with data and potential actions tailored to reflect the patient's conditions, the physician's preferences, and the medical evidence
- Support care delivery by teams across venues and types of professionals
- Provide information and decision support to patients and their families

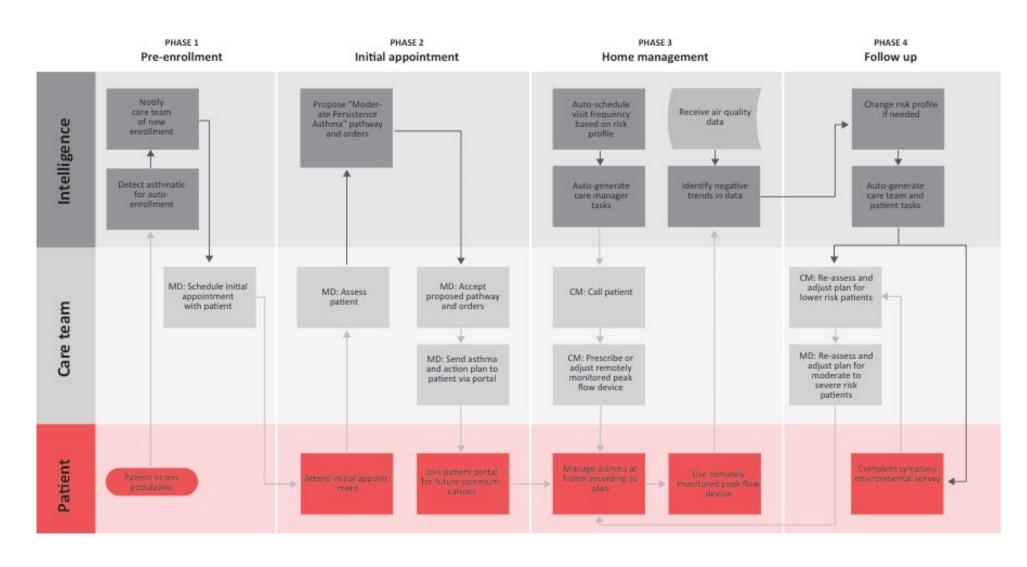








Dynamic plan for asthma

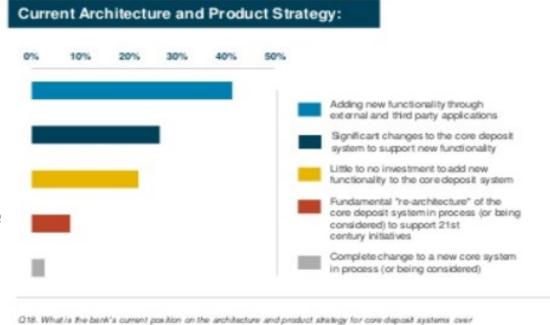


The transition

Banks struggle to modernization their systems

Top modernization fears

- 1. Information security risk
- 2. Catastrophic failure
- 3. Implementation and integration
- 4. Public damage
- 5. Dependence on specialized vendor resource



























Several types of capabilities will wrap around the EHR

- Population health management
- Health information exchanges
- Patient health management applications
- Big data analytics
- Decision support
- Workflow support

