

# → ***Moving Forward*** →

Patient-centered genomics-based care requires  
real genomics-based care coordination

**Making genomics  
standard of care**

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## **COORDINATION REQUIRED FOR GENETICS CARE MODEL**

### **Moving coordination forward for all stakeholders**

Genomics-based care coordination is the future of patient-centered healthcare. This requires a paradigm shift from a disease-centric healthcare system to a wellness-centric healthcare system utilizing the patient's genetic profile. Healthcare providers should have computer-based systems that will support this. Genetic and genomic data will come from many sources, but should be available in a single location for all current and future providers. This also means the role of the patient in determining care and therapy outcomes is greater than ever before, expecting that they be actively engaged, not just in treatment selection but also in the coordination of their own care.

#### **What is needed**

- A healthcare delivery approach that takes into account the patient's clinical, genetic, and family health history information
- Communication between all members of a patient's care team
- Clinical applications that support easy access to all providers about the patient's genetic profile

#### **Primary, specialty care coordination**

- Primary care is first point of contact for patients and are responsible for identifying potential genetic disorders
- They refer patients for testing and interpreting test results that other caregivers of that patient might use
- Specialty doctors know which tests are most appropriate for a specific disease based on medical history, family history, and symptoms
- Genetic test interpretation shared by all in the continuum of care

#### **Other care providers**

- Genetic counseling
- Nursing, emergency physicians, physical therapy
- Laboratory, pathology, pharmacy, nutrition
- Clinical research, care managers

#### **Patient perspective**

- Patients and their parents actively participate in their own medical treatment throughout their lives, from newborn, to childhood, youth, adulthood, and elderly
- Patients expect preventive care, clinical effectiveness, especially with diagnosis and drug therapies, and help with other family members

#### **Call to Action**

- The healthcare system should have formal policies for data access to the patient's full genomic record by all of their care providers
- The patient summary screen in the EHR should contain all the clinically actionable genetic variants, their interpretations, and subsequent clinical decisions prescribed by any and all care providers
- If a specialist physician orders a test, the primary care doctor should be alerted of the results, and v.v.

### **Executive Highlights**

Opportunity to move further into patient-centered care

Genetic-based care coordination produces more informed and unified decisions by the healthcare team, which lowers costs, and leads to better clinical outcomes and higher patient satisfaction

Implement clinical decision support (CDS) to ensure clinical actions by one provider will generate notifications to other care providers

When genetic test results are available, CDS will combine that data with clinical and family health history information to bring evidence-based clinical guidance targeted to the medical focus of each provider

Another area for the creation of innovative AI applications

Message to patients will be this care model is for their lifetime

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