

# → *Moving Forward* → Genomics as standard of care

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## THE TOP 15 ISSUES AND BARRIERS SLOWING CLINICAL ADOPTION

### Solving the issue for all stakeholders

Genomic medicine, like any emerging technology, faces many challenges. Building a comprehensive clinical genomics program is a highly complex activity. There are several key issues, all critical to empower stakeholder discussions around genetic and genomic testing, care protocols, workflow processes, and strategies that will be required to access, exchange, store, and integrate genomic data, as well as the associated business, clinical, legal, technical, and ethical issues that will be encountered within and between health care systems, care providers, and insurers.

#### Category 1: Clinical

- Establishing medical necessity for standard of care
- Evidence-based guidelines are not fully developed
- Clinical utility data
- Provider and patient education and training
- Clinical workflow and care coordination
- Genetic counseling programs

#### Category 2: Technology

- Data sharing and security issues
- Technical foundation of the healthcare system
- Complexity of genomic data
- Lab reporting systems and interpretation of results
- Limited infrastructure for data integration

#### Category 3: Business

- Cost, coverage, and reimbursement.
- Patient informed decision making, consent, and access
- Regulatory/accreditation barriers and ethical concerns
- Limited business drivers and investment by health care systems

#### Calls to Action

- Healthcare systems should have clear communications on the genetic services they provide
- Medical specialty associations should drive requirements so that EHR systems support the computability of their genetic-based guidelines
- Insurance companies should state their coverage policies for each genetic test ordered by a clinician
- Tech products should clearly show their genomic capabilities and advance their integration of genomic data

#### More on the blog

Go to [the blog post](#) on the 15 issues and barriers slowing clinical genomics adoption

Go to [the perspective report](#), which contains a more in-depth study of the topic

Go to [the 2-minute survey](#) to share further insights into some of the business issues you may be facing

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#### Executive Highlights

These top 15 issues should be reviewed by the key stakeholders representing the entire enterprise

To establish a genomic medicine standard of care, set testing policies, guidelines, and clinical protocols

Make care delivery and information truly patient-centered and coordinated, with cascade testing for family members

Make the necessary tech investment, whether in-house, or partner with a larger group

Multiomic profile repository, data access, patient owns data

Partner with payers for long term business strategy

Plan genetic services for the patient lifespan

Do innovation, including AI