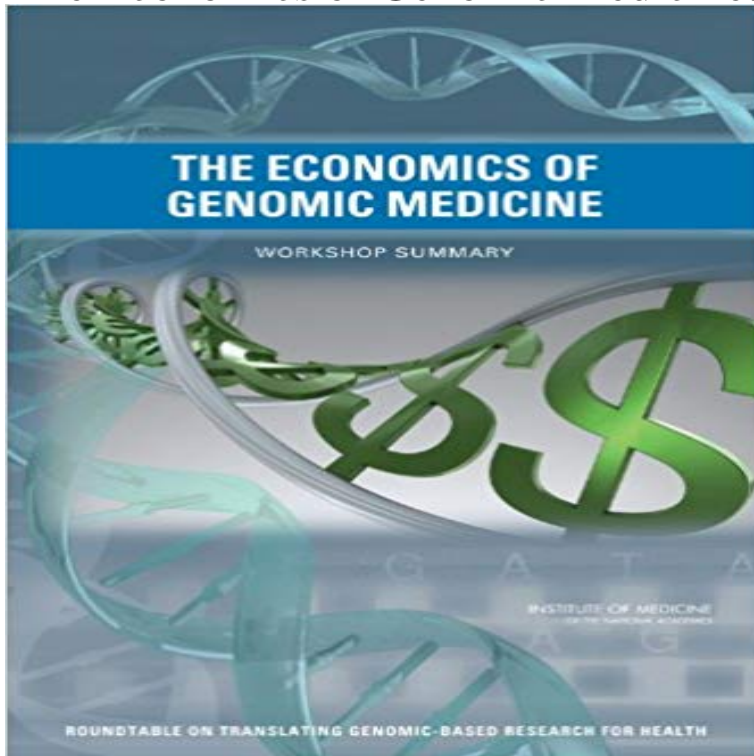


# The Economics of Genomic Medicine: Workshop Summary



The sequencing of the human genome and the identification of links between specific genetic variants and diseases have led to tremendous excitement over the potential of genomics to direct patient treatment toward more effective or less harmful interventions. Still, the use of whole genome sequencing challenges the traditional model of medical care where a test is ordered only when there is a clear indication for its use and a path for downstream clinical action is known. This has created a tension between experts who contend that using this information is premature and those who believe that having such information will empower health care providers and patients to make proactive decisions regarding lifestyle and treatment options. In addition, some stakeholders are concerned that genomic technologies will add costs to the health care system without providing commensurate benefits, and others think that health care costs could be reduced by identifying unnecessary or ineffective treatments. Economic models are frequently used to anticipate the costs and benefits of new health care technologies, policies, and regulations. Economic studies also have been used to examine much more specific issues, such as comparing the outcomes and cost effectiveness of two different drug treatments for the same condition. These kinds of analyses offer more than just predictions of future health care costs. They provide information that is valuable when implementing and using new technologies. Unfortunately, however, these economic assessments are often limited by a lack of data on which to base the examination. This particularly affects health economics, which includes many factors for which current methods are inadequate for assessing, such as personal utility, social utility, and patient preference. To understand better the health economic issues that may arise in the course of

integrating genomic data into health care, the Roundtable on Translating Genomic-Based Research for Health hosted a workshop in Washington, DC, on July 17-18, 2012, that brought together economists, regulators, payers, biomedical researchers, patients, providers, and other stakeholders to discuss the many factors that may influence this implementation. The workshop was one of a series that the roundtable has held on this topic, but it was the first focused specifically on economic issues. The Economics of Genomic Medicine summarizes this workshop.

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**The Economics of Genomic Medicine: Workshop Summary** The Jul 17, 2012 Suggested Citation: Appendix A: Workshop Agenda. Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. **Appendix D: Registered Attendees The Economics of Genomic** Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ?. **Integrating Large-Scale Genomic Information into Clinical Practice** Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ?. **The Economics of Genomic Medicine - NCBI Bookshelf** Suggested Citation: 2 Genomics, Population Health, and Technology. Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. **The Economics of Genomic Medicine: Workshop Summary** MAHB Feeros summary of these themes is presented here The economics of genomic sequencing vary by **The Economics of Genomic Medicine - NCBI - NIH** Jul 17, 2012 This workshop will assess the potential economic impact that the advent of genomic medicine may have on clinical practice and research. **Introduction and Overview - The Economics of Genomic Medicine** The Economics of Genomic Medicine. Workshop Summary. Institute of Medicine (US) Roundtable on Translating Genomic-Based Research for Health. **References The Economics of Genomic Medicine: Workshop** Suggested Citation: 5 Unprovoked Deep Vein Thrombosis. Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington **The Economics of Genomic Medicine: Workshop Summary - Google Books Result** Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ?. **Front Matter The Economics of Genomic Medicine: Workshop** Institute of Medicine. 2013.

The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ? **The National Academies Press Economics of Genomic Medicine** Genomics-enabled learning health care systems : gathering and using genomic The economics of genomic medicine : workshop summary Berger, Adam C **Cancer nursing** :[Title] - NLM Catalog Result - NCBI - National Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ? **4 Preconception Care and Sequencing The Economics of Genomic** Through a consideration of value, health economics can help people clarify the assumptions that The Economics of Genomic Medicine: Workshop Summary. **The Economics of Genomic Medicine: Workshop Summary - MAHB** Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ? **6 Cancer Care The Economics of Genomic Medicine: Workshop** Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ? **Figure, Tables, and Box - The Economics of Genomic Medicine** Workshop Summary Institute of Medicine, Board on Health Sciences Policy, Roundtable on Translating Genomic-Based Research for Health Steve Olson, Adam **Assessing the Economics of Genomic Medicine - HRSA** Download a PDF of The Economics of Genomic Medicine by the Institute of Medicine for free. Description: The sequencing of the human genome and the Apr 15, 2013 To understand better the health economic issues that may arise in the course of integrating genomic data into health care, the Roundtable on **Appendix B: Speaker Biographical Sketches The Economics of Registered Attendees - The Economics of Genomic Medicine - NCBI** Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ? **1 Introduction and Overview The Economics of Genomic Medicine** Institute of Medicine. 2013. The Economics of Genomic Medicine: Workshop Summary. Washington, DC: The National Academies Press. doi: 10.17226/18276. ? **3 The Intersection of Genomics and Health Economics The** Download a PDF of Integrating Large-Scale Genomic Information into Clinical Practice by the The Economics of Genomic Medicine: Workshop Summary. **Cancer Care - The Economics of Genomic Medicine - NCBI Bookshelf** The Economics of Genomic Medicine: Workshop Summary (2013) An individually authored summary of the workshop will be prepared by a designated **Assessing the Economics of Genomic Medicine: A Workshop** The Economics of Genomic Medicine: Workshop Summary. 3-2 Factors That Influence the Cost-Effectiveness of Genomic Testing Strategies. Go to: **The National Academies Press Economics of Genomic Medicine** The Economics of Genomic Medicine: Workshop Summary. thank project staff who worked diligently to develop both the workshop and the resulting summary.