

# Contents

	<i>Page</i>
Chapter 1. Introduction .....	1
HEALTH INSURANCE AND GENETICS .....	1
SCOPE AND ORGANIZATION OF THIS BACKGROUND PAPER .....	2
CHAPTER 1 REFERENCES .....	2
Chapter 2. Profile of Respondents .....	3
RESPONDENT PROFILE .....	3
Commercial Health Insurers .....	3
Blue Cross and Blue Shield Plans .....	3
Health Maintenance Organizations .....	5
TREATMENT OF APPLICATIONS .....	6
Commercial Health Insurers .....	6
Blue Cross and Blue Shield Plans .....	6
Health Maintenance Organizations .....	8
CHAPTER PREFERENCES .....	8
Chapter 3. Underwriting Practices .....	9
UNDERWRITING PRACTICES .....	9
FACTORS UNINSURABILITY .....	11
Information on Specific Conditions .....	11
Inquiries About Genetic Conditions .....	12
Effect of Genetic Test Results uninsurability .....	14
Effect of Genetic Information uninsurability .....	20
CHAPTER PREFERENCES .....	22
Chapter 4. Coverage and Reimbursement .....	25
REIMBURSEMENT FOR GENETIC TESTS AND SERVICES .....	25
COVERAGE FOR CYSTIC FIBROSIS CARRIER TESTS .....	26
ECONOMIC ANALYSIS OF GENETIC TESTS .....	27
PERSPECTIVES ON FUTURE REIMBURSEMENT FOR GENETIC TESTS .....	28
CHAPTER PREFERENCES .....	29
Chapter 5. General Attitudes Toward Genetic Tests and Information .....	31
IMPACT OF GENETIC TESTS ON BUSINESS PRACTICES .....	31
ATTITUDES TOWARD GENETIC INFORMATION .....	31
USE OF GENETIC TESTS .....	33
CHAPTER 5 REFERENCES .....	34
Appendix A. Survey Method .....	37
Appendix B. Qualitative Comments From the Survey .....	39
Appendix C. Survey Instruments .....	41
Appendix D. Acknowledgements .....	76
Appendix E. Acronyms and Glossary .....	77

## Tables

<i>Table</i>	<i>Page</i>
2-1. Respondent Profile: Companies That Offer Individual or Medically Underwritten Group Coverage .....	4
2-2. Number of Applications Received by OTA Survey Respondents .....	4
2-3. Number of People Insured by OTA Survey Respondents .....	5
3-1. Factors in Determining Insurability .....	12
3-2. Treatment of Applicants with Specific Conditions: Commercials and HMOs .....	14
3-3. Treatment of Applicants with Specific Conditions: BC/BS plans .....	15

	<i>Page</i>
3-4. Inquiries About Genetic Conditions .....	16
3-5. Effect of Genetic Test Results on Insurability: Commercials and HMOs .....	17
3-6. Effect of Genetic Test Results uninsurability: BC/BS plans .....	18
3-7. Effect of Genetic Test Informationon Insurability: Commercials and FIMOs .....	20
3-8. Effect of Genetic Information uninsurability: BC/BSpkms. ....	21
3-9. Coverage of a Family Member with Family History of Disease: Commercials and HMOs .....	22
3-10. Coverage of a Family Member with a Family History of Disease: BC/BS plans .....	23
4-1. Reimbursement for Genetic Tests and Genetic Counseling .....	26
4-2. Coverage for Cystic Fibrois Carrier Tests .....	28
4-3. Economic Analyses of Genetic Tests and Genetic Counseling by Insurers .....	28
4-4. Projected Reimbursement Practices by Insurers in 5 and 10 Years .....	29
5-1. Impact of Genetic Tests on Insurers .....	31
5-2. Genetic Information as Medical Information on Preexisting Conditions .....	32
5-3. General Attitudes of Insurers Toward Genetic Information and Genetic Tests. ....	32
5-4. Projected Use of Genetic Tests by Insurers in 5 and IO Years .....	34
5-5. Projected Use of Genetic Information by Insurers in 5 and IO Years .....	35