

1. Record Nr.	UNINA9910797580803321
Titolo	Assessing the use of agent-based models for tobacco regulation // Committee on Assessment of Agent-Based Models to Inform Tobacco Product Regulation, Board on Population Health and Public Health Practice, Robert Wallace, Amy Geller, and V. Ayano Ogawa, Editors, Institute of Medicine of the National Academies
Pubbl/distr/stampa	Washington, District of Columbia : , : The National Academies Press, , [2015] ©2015
ISBN	0-309-31725-8 0-309-31723-1
Descrizione fisica	1 online resource (280 p.)
Disciplina	362.2960973
Soggetti	Smoking - Health aspects Smoking cessation Tobacco use - Prevention Tobacco use - Health aspects - Research - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Matter; Reviewers; Contents; Acronyms and Abbreviations; Preface; Summary; 1 Introduction; 2 Tobacco Control Landscape; 3 Building Effective Models to Guide Policy Decision Making; 4 An Evaluation Framework for Policy-Relevant Agent-Based Models; 5 Review of the Social Network Analysis for Policy on Directed Graph Networks Model; 6 Data and Implementation Needs for Computational Modeling for Tobacco Control; Appendix A: Considerations and Best Practices in Agent-Based Modeling to Inform Policy--Ross A. Hammond; Appendix B: Agent-Based Models for Policy Analysis--Lawrence Blume Appendix C: Assessing Agent-Based Models for Regulatory Applications: Lessons from Energy Analysis--Alan H. Sanstad Appendix D: Committee Meeting Agendas; Appendix E: Committee Biographical Sketches; Index

"Tobacco consumption continues to be the leading cause of preventable disease and death in the United States. The Food and Drug Administration (FDA) regulates the manufacture, distribution, and marketing of tobacco products - specifically cigarettes, cigarette tobacco, roll-your-own tobacco, and smokeless tobacco - to protect public health and reduce tobacco use in the United States. Given the strong social component inherent to tobacco use onset, cessation, and relapse, and given the heterogeneity of those social interactions, agent-based models have the potential to be an essential tool in assessing the effects of policies to control tobacco. Assessing the Use of Agent-Based Models for Tobacco Regulation describes the complex tobacco environment; discusses the usefulness of agent-based models to inform tobacco policy and regulation; presents an evaluation framework for policy-relevant agent-based models; examines the role and type of data needed to develop agent-based models for tobacco regulation; provides an assessment of the agent-based model developed for FDA; and offers strategies for using agent-based models to inform decision making in the future."--Publisher's description.
