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Titolo	Handbook of Genomics and the Family [[electronic resource] ] : Psychosocial Context for Children and Adolescents // edited by Kenneth P. Tercyak
Pubbl/distr/stampa	New York, NY : , : Springer US : , : Imprint : Springer, , 2010
ISBN	1-4419-5800-2
Edizione	[1st ed. 2010.]
Descrizione fisica	1 online resource (615 p.)
Collana	Issues in Clinical Child Psychology, , 1574-0471
Disciplina	616.042
Soggetti	Human genetics Psychotherapy Pediatrics Child psychology School psychology Psychiatry Medicine Human Genetics Psychotherapy Child and School Psychology Medicine/Public Health, general
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.
Nota di contenuto	to Genomics -- Key Concepts in Human Genomics and Epidemiology -- Psychological Genetics: Understanding the Nature of Psychological Differences Through Etiology -- Cross-Cutting Issues in Children and Families -- Understanding Gene, Environment, and Gene x Environment Interaction Effects: The Example of Childhood Externalizing Disorders -- Process in Genetic Counseling: Considerations for Children and Their Families -- Genomics and the Family: Integrative Frameworks -- Potential Impact of Genomic Information on Childhood Sibling Relationships -- Family Communication of Genomic Information -- Conveying Genetic Risk to Teenagers -- Genes, Behavior, and Health -- Prenatal Screening and

Diagnosis -- Single Gene Disease Risk -- Hereditary Cancer Risk -- Type 1 Diabetes Risk -- Cardiovascular Disease Risk -- Obesity Risk -- Tobacco and Alcohol Use Behaviors -- Childhood Neuropsychiatric Risk -- Genomic Risk Information for Common Health Conditions: Maximizing Kinship-Based Health Promotion -- Emerging Issues -- Pediatric Pharmacogenomics -- Informed Consent and the Protection of Human Subjects in Genomic Research with Children and Families -- Ethical, Legal and Social Issues in the Genetic Testing of Minors -- Guidelines and Policies on Genetic Testing in Children and Families -- Training, Practice, and Collaboration: New Opportunities for Pediatric Psychology and Genomic Medicine -- Public Health Genomics.

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## Sommario/riassunto

Today's consumer can send a company a DNA sample and receive a detailed set of genetic test results in return all without ever visiting a health care provider. Although knowing one's personal risk for serious disease may lead some individuals to make more informed health choices, an ever-growing set of questions remains: Are predictive genetic tests meaningful? Can the results be harmful as well as helpful? In what ways can genetic information be used by health care providers to predict disease risk and optimize medical management within concerned families? Most important, how might the landscape of genetic testing affect the care of children's health? Although there are no easy answers, the Handbook of Genomics and the Family details in one authoritative volume the challenges entailed by the latest genetic advances and offers insights into the potential translation of this knowledge in pediatric and family practice and public health. This timely and comprehensive reference introduces readers to the study of how genes, singly and in combination with each other and the environment, affect health and behavior; summarizes current findings on genetics and genomics in disease etiology and prevention; and provides family-focused perspectives relating to genetic counseling and education. Key features of the Handbook include: - In-depth background in genetics and genomics in relationship to disease etiology and epidemiology. - Integrative frameworks for understanding genetics and genomics in the context of families. - Considerations for communicating genetic and genomic information. - Individual chapters on genetic and familial risks for specific diseases and conditions, including cancer, obesity, and Type 1 diabetes among children and adolescents. - Training, ethics, and other emerging issues and controversies. - Contemporary policies on genetic testing in children and families. The Handbook of Genomics and the Family is essential reading for clinical child and pediatric psychologists and psychiatrists, pediatricians and nurses, clinical geneticists and genetic counselors, and public health specialists as advances in genetics lead the way to more personalized models of health.

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