LexisNexis® RISK SOLUTIONS

Health Care

Improve your ability to predict health risks

Leverage clinically-validated data on social determinants of health to predict health risk with increased precision.

LexisNexis® Socioeconomic Health Attributes enable a highly proactive approach to patient engagement and care management.

Leveraging social determinants of health data to predict future health risks is central to helping health care providers achieve the best qualitative and cost efficient outcomes in patient care. Many healthcare experts and governing bodies agree that a holistic view of a patient that includes their medical history as well as information on relevant social, economic and environmental factors is paramount in achieving these goals – because these factors impact a person's likelihood to develop health conditions as well as their likelihood to effectively manage those conditions. Risk predictions that incorporate socioeconomic data enable healthcare providers to have an improved "early healthcare warning system" so they can reach out to the right patients at the right times to provide personalized care.

Traditional models have used medical and pharmacy records as a baseline for predicting health risk, but health care organizations are realizing that this data does not provide a comprehensive picture of an individual, and are looking to integrate new data sources to improve and complement existing predictive models. For new patients, the picture is even less clear. Data on social determinants of health takes predictive modeling to a new level, uncovering hidden costs and risks that cannot be identified through traditional data sources.

LexisNexis Socioeconomic Health Attributes can be used to create new predictive models or complement, augment and enhance the existing models – enabling health care organizations to improve risk stratification and care management efforts by better understanding and managing risk among patient populations.

LexisNexis® Socioeconomic Health Attributes improve health risk prediction

One of the most comprehensive, reliable and untapped sources of information that can be used for assessing and predicting potential health risks is public records data. Incorporating clinically-validated information on social determinants of health derived from these vast public and proprietary sources into predictive models is proving to be a better indicator of future health outcomes than traditional models that use legacy data alone.

These attributes add tremendous value when adequate claims and medical records are present—but become even more critical where minimal medical and claims data are available.

Hundreds of revealing attributes

LexisNexis offers easy access to hundreds of socioeconomic attributes, derived from over 10,000 sources of public and proprietary records, that are matched to your individual patients using our unique, proprietary linking technology. These attributes are correlated to health outcomes and can be integrated into your clinical and analytic models to assess and manage risk.

Attributes were selected after being clinically validated against claims data to confirm their predictive power using statistical methods and visualization techniques targeting eight continuous health care targets:

1. Total Costs
2. Hospitalizations
3. Emergency Visits
4. Rx Costs
5. Medication Adherence
6. Stress Index (Severity)
7. Stress Index (Percentile)
8. Motivation

What can we learn from this current, comprehensive and longitudinal data?

Personal Finances

Fluctuations in an individual's financial circumstances are often linked to health for a variety of reasons.

Education

Lower levels of education may be linked to lower health literacy, which may determine higher levels of risk.

Voter Registration

Individuals showing engagement in their community may be more likely to engage in their own health.

Law Enforcement

Records pertaining to accident investigations may indicate future medical issues.

Derogatory Records

Liens, evictions and felonies indicate that individual health may not be a priority.

Attribute Categories
Accident
Address Stability
Asset
Current Address
Demographics
Derogatory Records
Education
Identity Activity
Identity Association - Relative/Associate
Identity Fraud Risk
Identity Product Search Event
Identity Validation
Identity Variation
Income
Input Address
Input SSN
Interests
Most Recent Address
Non-Derogatory Records
Phone
Previous Address
Sub-prime Credit Service Requests

Neighborhoods with concentrated poverty are...

More likely to have:

Unsafe environments

Exposed garbage/litter

Dilapidated housing

Vandalism

Less likely to have:

Sidewalks

Parks/playgrounds

Recreation centers

Libraries

Stress negatively impacts health for children and adults across the lifespan.

Recent research showing that where a child grows up impacts his or her future economic opportunities as an adult also suggests that the environment in which an individual lives may have multi-generational impacts.

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For more information, call 866.396.7703 or visit
lexisnexis.com/risk/health-care

About LexisNexis Risk Solutions

LexisNexis Risk Solutions (www.lexisnexis.com/risk) is a leader in providing essential information that helps customers across all industries and government assess, predict and manage risk. Combining cutting-edge technology, unique data and advanced analytics, LexisNexis Risk Solutions provides products and services that address evolving client needs in the risk sector while upholding the highest standards of security and privacy. LexisNexis Risk Solutions is part of RELX Group plc, a world-leading provider of information solutions for professional customers across industries.

Our health care solutions combine proprietary analytics, science and technology with the industry's leading sources of provider, member, claims and public records information to improve cost savings, health outcomes, data quality, compliance and exposure to fraud, waste and abuse.