



Improve your ability to predict health risks

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

Predicting future health risks has always been an important and challenging activity for payer organizations. Since many critical business decisions are made based on the output of risk prediction models, the importance of predictive accuracy can't be overstated, as the impact, either positive or negative, will be felt across the entire enterprise. Traditional models have used medical and pharmacy claims 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 members and members who do not utilize their health care benefits, 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 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 sources into predictive models is proving to be a much better indicator of future health outcomes than traditional models that use legacy data alone.

LexisNexis Socioeconomic Health Attributes can be used to create new predictive models or complement, augment and enhance the accuracy of existing models and risk stratification efforts.

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

Hundreds of revealing attributes

LexisNexis offers easy access to hundreds of socioeconomic attributes that are correlated to health outcomes in your clinical and analytic models in order to assess and manage risk.

Attributes were selected after being validated by 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 data?

Personal Finances	Education
Fluctuations in an individual's financial circumstances are often linked to health for a variety of reasons.	Lower levels of education may be linked to lower health literacy, which may determine higher levels of risk.
Voter Registration	Law Enforcement
Individuals showing engagement in their community may be more likely to engage in their own health.	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.

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



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.

LexisNexis® Socioeconomic Health Attributes is not provided by "consumer reporting agencies," as that term is defined in the federal Fair Credit Reporting Act (15 U.S.C. §1681, et seq.) (FCRA) and does not constitute a "consumer report," as that term is defined in the FCRA. Accordingly, the Socioeconomic Health Attributes may not be used in whole or in part as a factor in determining eligibility for credit, insurance, employment or another purpose in connection with which a consumer report may be used under the FCRA. Due to the nature and origin of public record information, the public records and commercially available data sources used in reports may contain errors.

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