


LexisNexis® Socioeconomic Health Attributes for Pharmacies

A woman with long blonde hair in a ponytail, wearing a grey hoodie, black leggings, and red sneakers, stands on a rock in a calm lake. She has her arms raised in a 'V' shape, facing away from the camera towards a backdrop of majestic, snow-capped mountains and a dense forest. The scene is peaceful and inspiring, with the mountains and forest reflected in the still water.

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 consultations**

Leveraging social determinants of health data to predict future health risks is central to helping pharmacies 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 and pharmacy claims 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. For example, one study found that having a social support system, being married and living with someone were factors that increased the odds of adherence, whereas family conflict decreased these odds.<sup>1</sup>

As new fee-for-value legislative initiatives continue and payers shift financial risk to PBMs and pharmacies through risk-bearing contracts and DIRs with quality standards, pharmacies will need to more holistically understand their patients. For example, Centers for Medicare and Medicaid Services Star ratings are focused on driving improvements in care quality so pharmacies are looking for new ways to improve medication adherence outcomes in order to improve ratings. Utilizing social determinants to understand a patient’s health risk and motivation to care for their own health can help pharmacies to know which patients need additional consultation and design appropriate care support. Integrating social determinants to improve and complement existing predictive models will allow pharmacies to better allocate the right resources based on patient populations and personalize patient engagement which can lead to improved medication adherence, health outcomes and patient retention. 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 pharmacy organizations to improve risk stratification and patient consultation and engagement 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 claims 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 healthcare 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

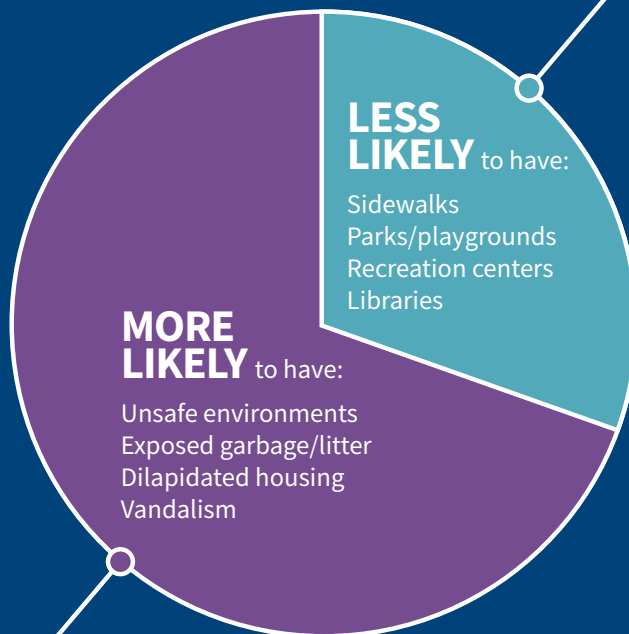
Non-derogatory Records

Phone

Previous Address

Sub-prime Credit  
Service Requests

Neighborhoods with concentrated poverty are...



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  
[risk.lexisnexis.com/healthcare](http://risk.lexisnexis.com/healthcare)



Health Care

#### About LexisNexis® Risk Solutions

At LexisNexis Risk Solutions, we believe in the power of data and advanced analytics for better risk management. With over 40 years of expertise, we are the trusted data analytics provider for organizations seeking actionable insights to manage risks and improve results while upholding the highest standards for security and privacy. Headquartered in metro Atlanta USA, LexisNexis Risk Solutions serves customers in more than 100 countries and is part of RELX Group plc, a global provider of information and analytics for professional and business customers across industries. For more information, please visit [www.risk.lexisnexis.com](http://www.risk.lexisnexis.com).

Our healthcare 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.

<sup>1</sup> <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3722478/>

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