

**gvion**

# Jvion Community

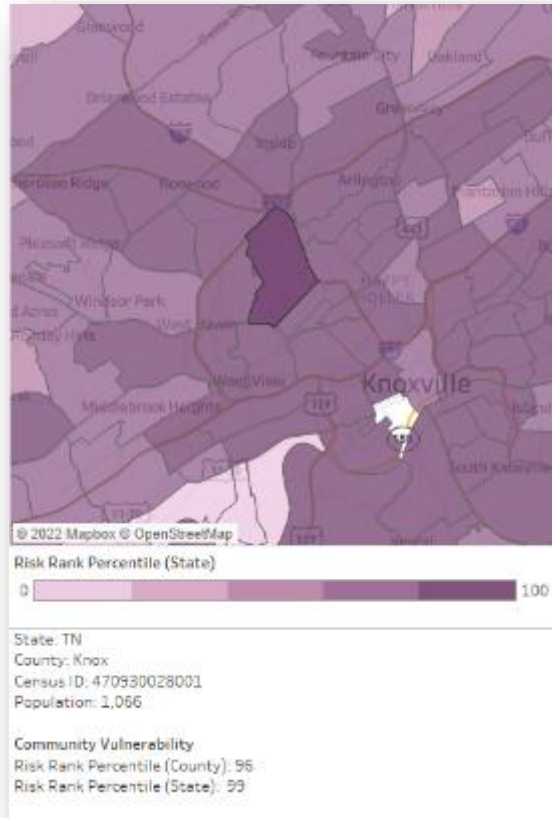
Case Studies



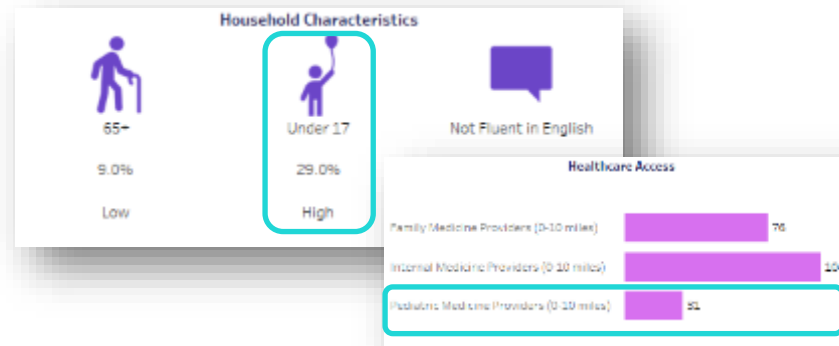
Case study

# Jvion Community: Beaumont, Knoxville, TN

Jvion Community provides the granularity needed to make effective plans at the neighborhood/block group level.



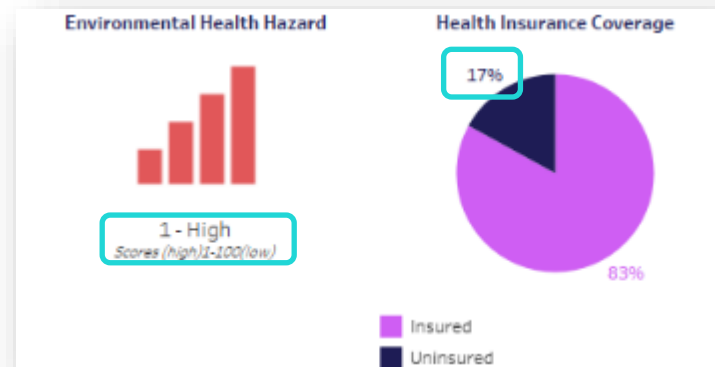
A high percentage of pediatric individuals with a low availability of pediatricians.



Although the community has low food insecurity, they have a high rate of unhealthy food sources and poverty.



The block group has a high environmental health hazard rating, and almost 20% of community members are uninsured.



## Targeted Block Group Action Plan

A block group action plan should be aimed at improving access to pediatricians, increasing health insurance coverage, improving access to fresh, healthy, affordable food, and education on optimizing indoor air quality.

Case study

# Jvion Community: Roanoke, VA

Jvion Community provides the granularity needed to make effective plans at the neighborhood/block group level.

The high-risk block groups share the following:

- 60.5% mental health access disparity
- 28.9% above average particulate matter in the air
- 23.7% high rates of poverty
- 19.7% low access to medical transport
- 9.2% low access to community services

## Community Health Needs Assessment (CHNA): Top Needs

### Mental Health:

- Access to mental/behavioral health services
- Access to substance use services
- Alcohol and drug use
- Mental health problems (general)

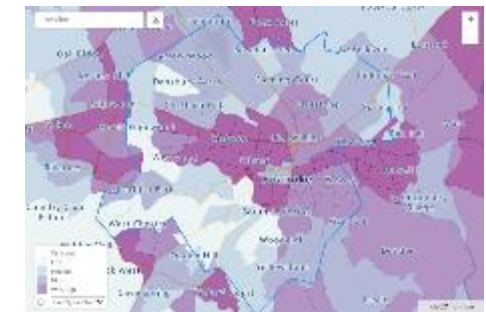
### Socioeconomic Factors

- Poverty/low average household income
- Affordable/safe housing
- Transportation/transit system
- Lack of family/social support systems

**Primary Care:** Access to primary care

**COVID-19:** COVID-19 impact

Community needs line up well with the CHNA, but impact varies by block group, indicating a need for a more granular action plan



## Clinical AI Surfaces Community Vulnerabilities

Brookside/Plantation Court block group is at the highest risk of social vulnerability. 17% of the population is 17 years old or younger, while 26% of the population is 65 years old or older.

## Surface the Holistic Community View

Brookside/Plantation Court's greatest needs include low mammogram rates, and disparities in mental health, rehabilitation, medical transportation, home care, speech and language, and hospital services. Additionally, the block group has a higher rate of cancer.

## Targeted Block Group Action Plan

A block group action plan aimed at improving the mental health services, transportation and access programs, cancer screening & prevention programs, and air quality programs are needed.

Case study

# Jvion Community: Autumn Wood, Lincoln, NE

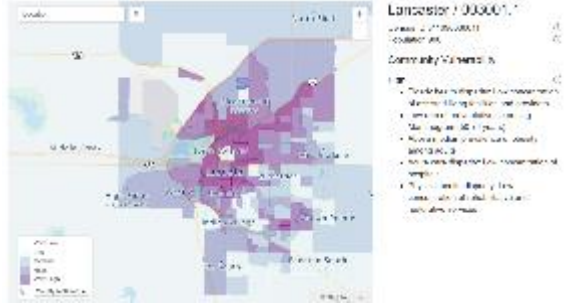
Jvion Community provides the granularity needed to make effective plans at the neighborhood/block group level.



Top drivers of vulnerability and the associated block group action plan:

- Barriers to access → Medical transport
- Low rates of mammogram → Education: self-management
- Disparity in assisted living facilities → Aging in place services
- Environmental health hazards → Indoor air quality mitigation

Jvion identified a highly vulnerable block group in which over 50% of the population is over age 65:



## Clinical AI Surfaces Community Vulnerabilities

Autumn Wood’s low incomes and older age are exacerbated by limited social support, education, internet access, and access to age-in-place resources.

## Surface the Holistic Community View

Autumn Wood’s most needed resources are those that will offer greater in-home support, and support to stay safe in the home: home health, supportive/nursing care resources, physical therapist and physical therapy assistants.

## Targeted Block Group Action Plan

A block group action plan aimed at improving the health of Medicare participants and lowering their total cost of care should focus on social support, self-management, financial assistance, aging in place services, and indoor air quality mitigation.