

**STRIDE**

Southeastern Transportation Research,  
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**T + H**

Transportation + Health

# Health Impact Assessment (HIA) Part I

**THE  
CITADEL**



*CIVL 642 Public Health, Physical Activity, and Design of the Built Environment*



HEALTH IMPACT ASSESSMENT

# Health Impact Assessment

## 1. CDC Healthy Community Design & Health Impact Assessment (HIA)

## 2. Types of Health Impact Assessments:

- Health Impact Assessment
- Community Health Assessment
- Cost-Benefit Analysis
- Environmental Impact Assessment
- Human Health Risk Assessment
- Public Health Assessment



[https://www.cdc.gov/healthyplaces/types\\_health\\_assessments.htm](https://www.cdc.gov/healthyplaces/types_health_assessments.htm)

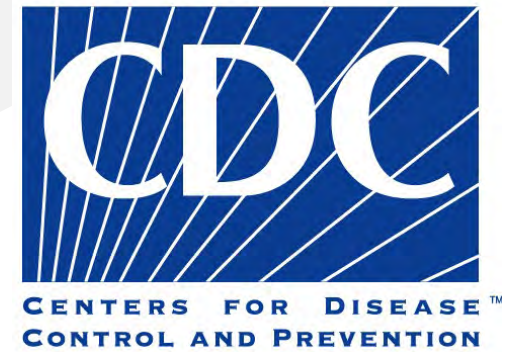
# CDC Healthy Community Design & Health Impact Assessment (HIA)

HIA is a useful tool to assess how a proposed decision will:

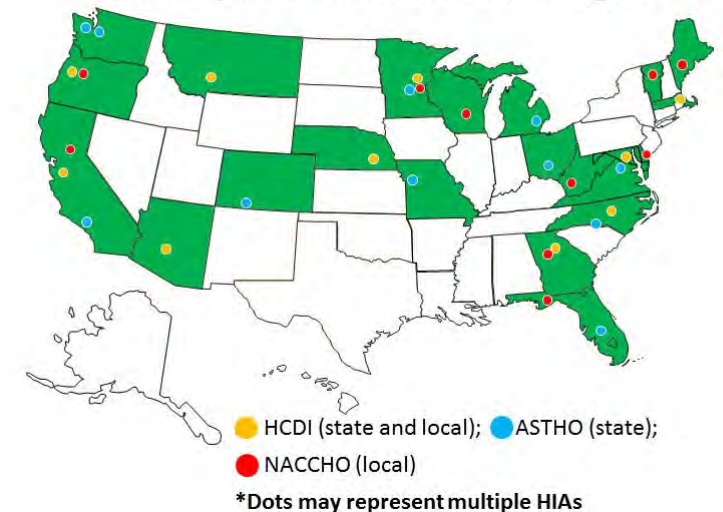
1. affect the health of a population
2. whether vulnerable populations are more likely to be impacted
3. whether health impacts are distributed evenly within the population

Goal: provide recommendations during decision-making process to:

- protect health
- reduce health inequities



Health Impact Assessment Funding from CDC







## Public Health Network CYMRU, Wales, UK– HIA video

<https://www.publichealthnetwork.cymru/en/topics/health-impact-assessment/>

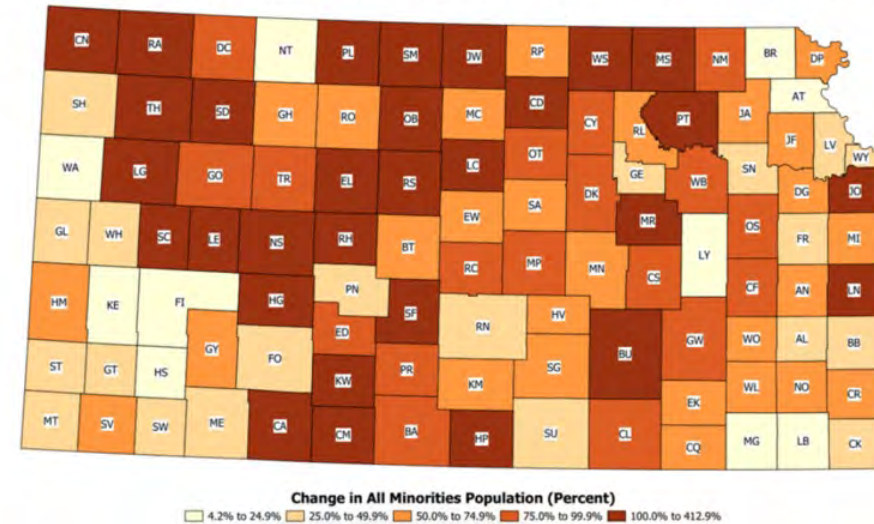


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*Informing Policy. Improving Health.*



Figure 2.2.5e. Minority Population Change (Percent) by County in Kansas, Between 2000 and 2016



## Health Impact Assessment Policymaker Profile – video

[https://www.youtube.com/watch?v=Z5t9NpH\\_AzE](https://www.youtube.com/watch?v=Z5t9NpH_AzE)

# Health Impact Pyramid





# Health Impact Assessment – major steps

<b>1. Screening</b>	Identifying plan, project, or policy decisions for which HIA would be useful
<b>2. Scoping</b>	Planning HIA and identifying what health risks & benefits to consider
<b>3. Assessment</b>	Identifying affected populations & quantifying health impacts of the decision
<b>4. Recommendations</b>	Suggesting practical actions to promote positive health effects & minimize negative health effects
<b>5. Reporting</b>	Presenting results to decision makers, affected communities, & other stakeholders
<b>6. Monitoring &amp; Evaluation</b>	Determining HIA's impact on the decision & health status

# STEPS OF AN HIA

## SCREENING

**Determine** whether an HIA is needed and likely to be useful.

## SCOPING

**Create a framework** of the HIA, identifying the potential risks and benefits. Develop a plan for the HIA.

## ASSESSMENT

**Describe the baseline health** of the affected communities and **analyze the health impacts** using various experience and resources.

## RECOMMENDATIONS

**Develop practical strategies** that can be implemented to mitigate health risks and amplify health benefits.

## REPORTING

**Disseminate the findings** to decision makers, affected communities, and other stakeholders.

## MONITORING

**Monitor the changes** in health or health risks and evaluate the efficacy of the measures that are implemented and the HIA process as a whole.

01

### Screening

Determine whether HIA is appropriate and required

02

### Scoping

Set out the parameters of the HIA

03

### Identification

Develop a community/population profile and collect information to identify potential impacts

04

### Assessment

Synthesise and critically assess the information in order to prioritise health impacts

05

### Decision making & recommendations

Make decisions to reach a set of final recommendations for acting on the HIA's findings

06

### Evaluation & follow-up

Evaluate the processes involved in the HIA and its impact, and follow up the HIA through monitoring and a health impact management plan



The **Environment**, such as the places we live, work, and play, influences our **Health**.



## Health Impact Assessments:

- Combine environmental health data and input from the community and experts;
- Can be done by health departments, community organizations, researchers, city planners, and others;
- Inform policy makers and decisions in fields like city planning, housing, energy, and agriculture.

# CDC Health Impact Pyramid

## *Factors that Affect Health*



Check the Tarrant County Public Health Web site to learn more.  
<http://health.tarrantcounty.com>







# Health Impact Assessment (HIA) Part I

## Thank You.

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