

Southeastern Transportation Research, Innovation, Development and Education Center

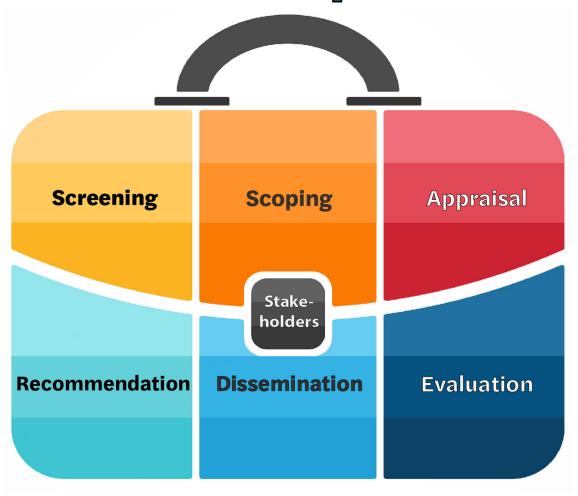


Health Impact Assessment (HIA) Part II



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

Health Impact Assessment Toolkit



Procedures + methods + tools to identify:

- potential and/or sometimes unintended effects of a proposed project on the health of a population.
- distribution of effects within the population and appropriate actions to influence effects.

https://nmtracking.org





EPA/600/R-15/330 September 2016 www.epa.gov/research

The Health Impact Assessment (HIA) Resource and Tool Compilation: A Comprehensive Toolkit for New and Experienced HIA Practitioners in the U.S.



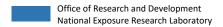








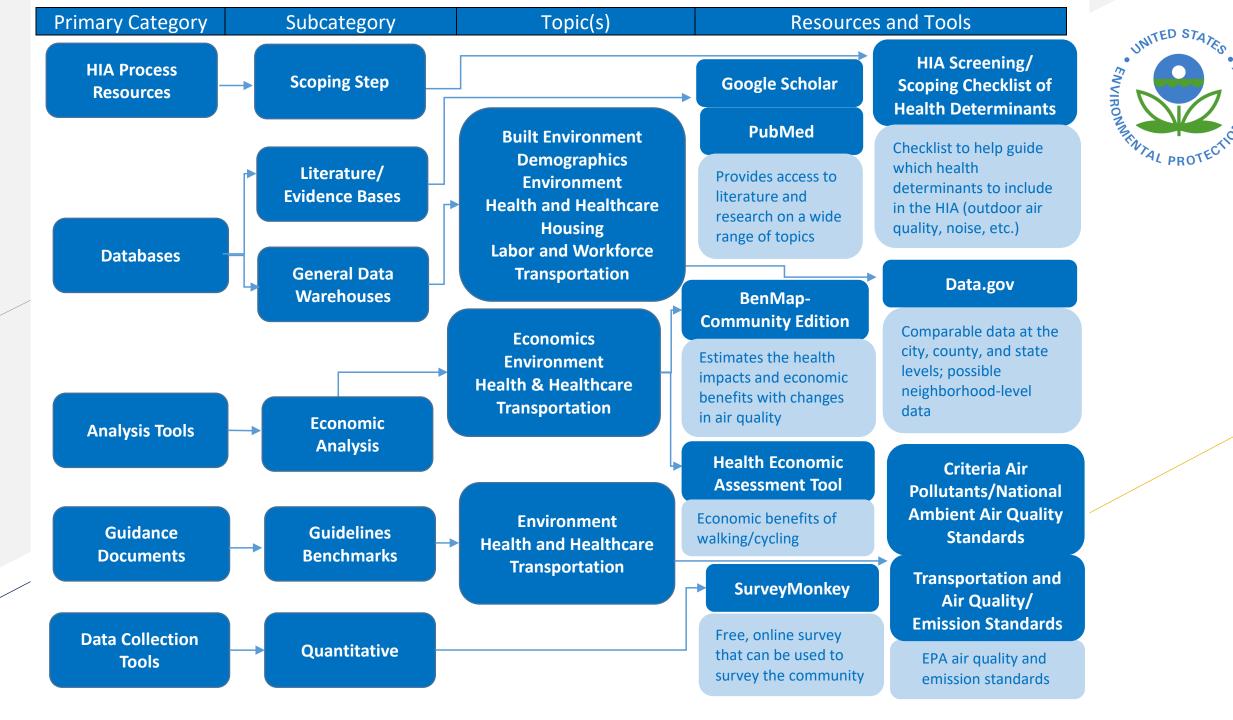




| Primary Category | Subcategory | | | |
|---------------------|--|--|--|--|
| | – General HIA Information | | | |
| | HIA Trainings and Webinars | | | |
| | Screening Step | | | |
| | Scoping Step | | | |
| LIIA Dunanan | – Assessment Step | | | |
| HIA Process | - Recommendations | | | |
| Resources | — Reporting Step | | | |
| | – Monitoring & Evaluation Step | | | |
| | – HIA Communication | | | |
| | Community Participation, | | | |
| | Partnerships, and Equity | | | |
| | Literature/Evidence Bases | | | |
| | - General Data Warehouses | | | |
| | Multi-Topic Databases | | | |
| | – Agriculture | | | |
| | Built Environment | | | |
| | Business and Industry | | | |
| | – Crime | | | |
| Databases | – Economics | | | |
| | Education | | | |
| | Environment | | | |
| | Health and Healthcare | | | |
| | – Housing | | | |
| | Labor and Workplace | | | |
| | Population | | | |
| | - Transportation | | | |
| Guidance | Guidelines | | | |
| Documents | Benchmarks | | | |
| Analysis Tools | Decision Analysis | | | |
| | Economic Analysis | | | |
| | – Scientific Models | | | |
| | - Methods | | | |
| | Frameworks | | | |
| | – Indices | | | |
| | - GIS-Based Mapping | | | |
| Mapping Tools | – Map Data Viewers | | | |
| Data Callestia | – Qualitative | | | |
| Data Collection | – Quantitative | | | |
| Tools | – Mixed Methods | | | |
| | | | | |

| Roles | Skills Needed | | | |
|--------------------------|---|--|--|--|
| | Team member with knowledge of the community and has access to the | | | |
| Community Liaison | community social and formal networks (e.g., community leader, | | | |
| Community Liaison | historian, member of a community representative organization, long- | | | |
| | time resident). | | | |
| | Team member with knowledge of basic public health principles and | | | |
| Public Health Researcher | mediating factors that influence health (e.g., public health professional, | | | |
| | physician, health educator). | | | |
| | Team member who is well versed and has experience managing teams | | | |
| Project Leader | with multiple skills/fields of expertise, leading meetings and discussions, | | | |
| | organizing action items and establishing project goals, framework, | | | |
| | timeline and a communication plan. | | | |
| | Team member of advisor who has extensive knowledge and experience | | | |
| | conducting and evaluating HIAs, including best practices and lessons | | | |
| HIA Technical Advisor | learned (e.g., representative from Human Impact Partners, Georgia | | | |
| | Health Policy Center, Oregon Public Health Institute, and UCLA HIA | | | |
| | program, CDC National Center for Environmental Health). | | | |
| Researcher(s) | Team member(s) with experience planning and conducting research who | | | |
| | can perform literature reviews, risk assessments, and develop test | | | |
| | research questions/hypotheses (e.g., epidemiologist, community health | | | |
| | researcher, etc.). | | | |
| Writer/Editor | Team member with experience writing and evaluating scientific papers | | | |
| | and producing reports and materials for different audiences. | | | |
| Subject Matter Expert(s) | Member(s) with experience and knowledge about the specific fields of | | | |
| (usually members of | expertise that will be evaluated in the assessment (e.g., housing, | | | |
| steering or advisory | transportation, watershed management, ecology, engineering or | | | |
| committee) | architecture, public and community health, etc.). | | | |

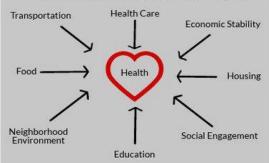




Health Impact Assessment

A Tool to Make Your Community Healthier

Health is affected by the conditions where we live, learn, work, and play



These social determinants can be impacted by government policies and physical changes in our communities. such as a new development



Health Impact Assessments (HIAs)

What is an HIA?

An HIA is a tool that assess and reports how a policy or project will impact the health of people living in the surrounding area, and makes recommendations on how to make the policy or project more health friendly





2. an HIA is automatically

required or a community can

4. They review the project or

policy, discuss with

stakeholders and residents,

and determine what action is

needed to ensure the health of

What is the HIA Process?

1. When a policy or development project is under

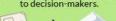


3. Public Health Professionals measure the project's impact.



They report these findings

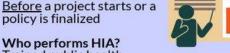




HIA Goal:

To give a voice to community concerns, provide decision-makers with recommendations, and help ensure that health is protected and inequities are reduced

When to perform HIA? Before a project starts or a policy is finalized



Trained public health professionals from universities or health departments

Outcomes

Transparency: the plans, dealings, and expected results of the project are clear to the community



Accountability: politicians and developers are held to certain agreed upon project standards



Equity: the health of marginalized, underrepresented groups is prioritized





Society of Practitioners of Health Impact Assessment - Model HIA Reports https://hiasociety.org/Model-HIA-Reports

- Baltimore-Washington Rail Intermodal Facility HIA, Baltimore, MD
- Page Avenue Health Impact Assessment, St. Louis, MO
- Health Effects of Road Pricing in San Francisco, CA

West Lakes Community Health Impact Assessment: Orlando, FL

http://www.flregionalcouncils.org/2017/09/06/west-lakes-community-health-impact-assessment/ http://ftp.ecfrpc.org/Projects/LIFT%20Orlando%20-%20West%20Lakes%20Health%20Impact%20Assessment.pdf



| ENVIRONMENTAL FACTORS | INFLUENCING FACTOR | S GOAL INDICATORS | WELLNESS INDICATORS |
|-------------------------------|--|----------------------------|---|
| Bike/Ped | Safety of the Bike/Ped Network Effectiveness of the Bike/Ped Network | Improve Improve | COLORED LISTING |
| Access & Mobility | Comfort of the Bike/Ped Network | Improve Improve | Crime Rates |
| mt n etc | Cohesion of Land Uses Effectiveness of Bike/Ped Generators | Improve Improve Improve | |
| The Built Environment | Access to Parks & Fitness Programs Incorporation of Civic Activities & Uses | Increase Increase | Physical Activity & Obesity |
| | Access to Health Care | Increase | Respiratory & |
| Access to Goods & Services | Access to Healthy Food Access to Transit & Jobs | Increase Increase | Cardiovascular Health |
| | Safe Access to Schools | Ensure Ensure | Social Capital |
| Crime | Access to Education Frequency of Crime | Increase Reduce | Bicycle & Pedestrian Safety |
| | Effectiveness of Lighting Use of Natural Surveillance | Improve | *Each color represents one of the indicators. These colors correspond |
| | Use of Natural Surveillance Use of Territorial Reinforcement | Increase Increase Increase | to each influencing factor (gray boxes) |

Health Impact Assessment Toolkit for Planners



September 2016





Health Impact Assessment for Planners, 2016 American Planning Association

https://www.planning.org/publications/document/9148443/

HIA is a rapidly growing field that positions decision makers to make better choices by bringing together scientific data, health **expertise**, and **public input** to identify the potential and often overlooked effects, both positive and negative, of proposed laws, regulations, projects, policies, and programs on public health (Health Impact Project)

Health Impact Assessment Toolkit for Planners



September 2016





Plan **Visioning Priority** Scenario Implementation development revisions setting Develop a Enact and Set goals Develop, develop policies. Adjust and community and objectives examine, and update vision projects, programs, strategies compare and procedures statement alternatives, and policies to support the actions, and plan's execution policies Incorporate Clarify community Assess health · Assess health and

- health and equity into community vision statements and the plan's development
- Inform the approach and next steps in the process, including community engagement and data collection strategies

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Opportunities for

- health priorities
- Ensure health and equity are promoted through the plan's goals and objectives
- and equity impacts of various scenarios
- Determine roles of municipal divisions, agencies, and non-governmental entities in advancing health and equity through the plan
- Compare and present information about potential health effects to decision-makers to inform plan approval

- equity impacts of new regulations, capital investments, programs, local budgeting decisions, and other actions
- Ensure that processes and timelines reflect health and equity values
- Identify opportunities for cross-sector collaboration in plan implementation, including ways to share financial and staff resources

- Select appropriate health and equity metrics and indicators to monitor during the plan's implementation
- Measure progress toward health equity goals and objectives
- Evaluate and document lessons learned to inform future planning efforts



http://imph.org/first-health-impactassessment-in-south-carolina/

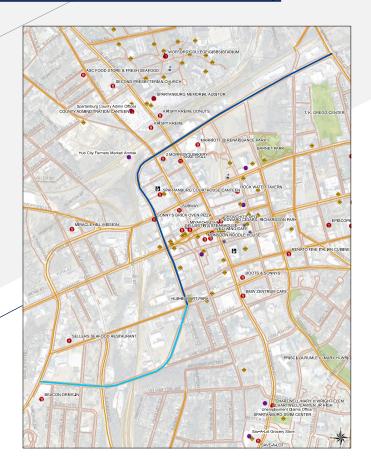


Table 1: HIA Analysis Summary of Findings

| Direction | Magnitude | Impact | Likelihood | Distribution |
|-----------|-----------|----------------------------|---|---|
| 1 | High | High | Very Likely | Affects whole community relatively equally |
| 1 | Medium | Medium/High | Very Likely | Impacts neighboring vulnerable community and whole community via expanded access |
| 1 | Medium | Medium/High | Very Likely | Disproportional effect on low income, transit-dependent communities around DMA |
| 1 | Low | Low | Possible | Affects whole community relatively equally |
| | ↑ | ↑ High ↑ Medium ↑ Medium | ↑ High High ↑ Medium Medium/High ↑ Medium Medium/High | Direction Magnitude Impact Likelihood ↑ High High Very Likely ↑ Medium Medium/High Very Likely ↑ Medium Medium/High Very Likely |

Legend:

Direction of Impact:

Positive = Changes that may improve health

Negative = Changes that may detract from health

Uncertain = Unknown how health will be impacted

No effect = No effect on health

Magnitude of Impact: (realizing the proposed project is a 2.1 mile stretch of road, so the comparison or point of perspective is those who currently use DMA)

Low = Causes impacts to no or very few people

Medium = Causes impacts to wider number of people

High = Causes impacts to many people

Note that this is relative to population size

Significance of Impact:

Low = Causes negative impacts that can be quickly and easily managed or do not require treatment or causes positive impacts that are not serious/significant

Medium = Causes negative impacts that necessitate treatment or medical management and are reversible or positive impacts that provide opportunity for improved health

High = Causes or prevents death or serious illness

Likelihood of Impact:

Clare Marco exert

Very Likely = it is very likely that impacts will occur as a result of the proposal

Likely = it is likely that impacts will occur as a result of the proposal

Possible = it is possible that impacts will occur as a result of the proposal

Unlikely = it is unlikely that impacts will occur as a result of the proposal

Uncertain = it is unclear if impacts will occur as a result of the proposal

Distribution of Impact:

The community surrounding DMA has a large minority population (37.4% in the 29303 zip code and 70.8% of the population in the 29306 zip code). When it comes to economic characteristics, in the 29303 zip code 18.1% of individuals live below the poverty line and in 29306 28.8% of individuals live below the poverty line.

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Health Impact Assessment (HIA) Part II Thank You.

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