Intro to Health Impact Assessments

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Adapted from materials created by Human Impact Partners (www.humanimpact.org)

Objectives

- Introduce Health Impact Assessments (HIA)
- Review steps in the HIA process
- Describe completed HIA projects
- Discuss interagency collaborations to facilitate use of HIA

Health Impact Assessment Definition

A combination of procedures, methods and tools that systematically judges the potential, and sometimes unintended, effects of a policy, plan, program or project on the health of a population and the distribution of those effects within the population. HIA identifies appropriate actions to manage those effects.

Health means physical, economic, emotional, and social wellbeing of individuals, families, and communities.

Health begins where we live, learn, work, (worship) and play.

Determinants of Health

- Health Behaviors
- Clinical Care
- Social and Economic

- Physical Environment
- Genetics and Biology



HIA Addresses Determinants of Health

How does the proposed

project, plan, policy

affect

Democratic process Housing Air quality Noise Safety Social networks **Nutrition** Parks and natural space Private goods and services Public services **Transportation** Social equity Livelihood Water quality Education

and lead to health outcomes

Why Conduct an HIA?

- Health is not always considered
- Disconnect between policy-making and the people impacted
- Disconnect between policy-making and current evidence

HIA Benefits

- Ensure that health and health disparities are considered in decision-making using an objective and scientific approach
- Make health impacts more explicit
- Shape public decisions and discourse
- Engage and empower communities
- Emphasize everyday experiences in decision-making
- Build relationships and collaborations
- Provide a comprehensive lens on issues and help identify trade-offs in decision-making
- Help to provide input up-front in decision-making and build support for better outcomes

HIA Steps

Screening	Determines the need and value of a HIA
Scoping	Determines which health impacts to evaluate, methods for analysis, and a workplan
Assessment	Provides: 1) a profile of existing health conditions 2) evaluation of potential health impacts 3) strategies to manage identified adverse health impacts
Reporting	Includes: 1) development of the HIA report 2) communication of findings & recommendations
Monitoring	Tracks: 1) impacts on decision-making processes and the decision 2) impacts of the decision on health determinants

HIA can evaluate many types of projects, plans, policies

Land use plans	Housing developments, revitalization plans
Transportation plans	New transit stations, roadway expansions, new rail lines
Comprehensive or specific area plans	Guides for future development
City, state, or national policies	Labor, education, incarceration, immigration

HIA: A Spectrum of Practice

Rapid HIA

- Brief investigation of health impacts
- Exchange of existing knowledge, expertise, and research
- Carried out quickly and with minimal resources

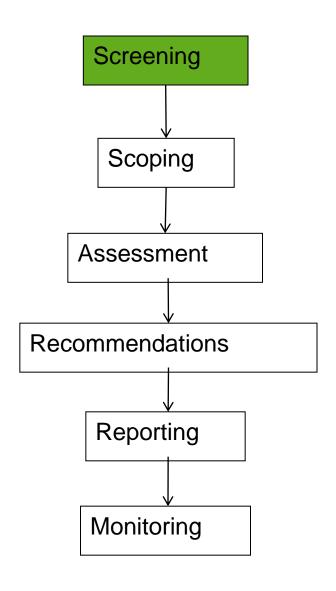
Intermediate HIA

- More detailed investigation of potential health impacts
- Review of available evidence gained from similar assessments

Comprehensive HIA

- Intense investigation
- Review of available evidence, data collection or analysis of new data
- Community-based collaborative process

Step 1



Step 1: Screening

Objective

To decide whether a HIA is feasible, timely, and would add value to the decision-making process

Essential Tasks

HIA is used to assess a defined project, plan or policy

Purpose is to inform decision-makers before they make a decision as such, HIA is most often carried out prospectively

Understand timing and whether decision making process is open to HIA findings and recommendations

Assess feasibility of conducting an HIA

Avoid redundancy

Be inclusive

Screening Activities

Complete "Screening Criteria" for project ideas with your HIA team

Identify others with outside expertise and knowledge who can contribute to your screening process

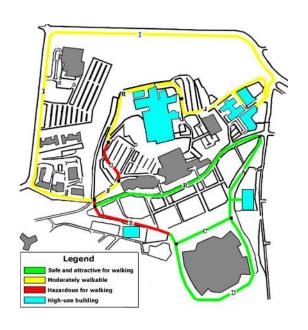
Screening may require preliminary research

Screening Challenges

Understanding timelines and decision making processes
Finding out about proposals before a decision is made
Identifying a potential project with a focus that is of
interest to your team

Why NOT do a HIA?

A plan to improve walkability in Chula Vista, CA



Plan was already considering health

Little opportunity to develop useful recommendations

Health advocates involved in design

Resources better focused elsewhere

Why NOT do a HIA?

Milwaukee Zoo Interchange Project, Milwaukee, WI



Idea for the HIA came after the draft EIS, however there was not enough time to conduct a HIA and put together a comment letter in response to the draft EIS

DOT was not open to considering health

Health advocates recommendations were seen as another obstacle or more red tape

Resources better used to suggest mitigation strategies once the final plan for construction is in place

Jack London Gateway Project

Proposal

Build 55 units of low-income senior housing and retail near JLG shopping mall in West Oakland

Project sponsor

East Bay Asian Local Development Corporation (EBALDC), a non-profit developer

Project site

Borders Freeway 980, near Port of Oakland



200 feet

JLG Health Concerns

Residents interested in using the project as a case study for understanding HIA



Community health related concerns included:

Air quality - respiratory disease
Noise - sleep disturbance, social cohesion
Retail - fresh produce, pharmacy
Safety - pedestrian, crime

JLG HIA Process

In 4 meetings over 3 months, the community: Selected the project

Engaged EBALDC in discussions

Scoped and prioritized concerns about project

Found supporting evidence for concerns

Developed suggested mitigations

Wrote letter to EBALDC and Planning Commission

JLG Outcomes

Oakland Planning Commission asked EBALDC to work with community and implement mitigations

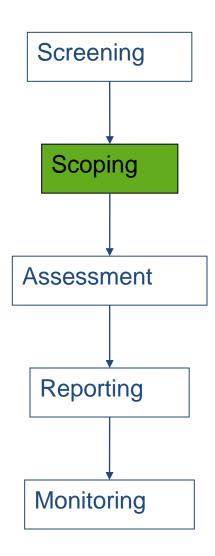
EBALDC made many concessions:

Installing filtered air systems in common space and residential units

Placing bay windows instead of balconies on the freeway side of building

Changing main entrance from highway side to neighborhood side

Step 2



Scoping

Objective

To create a plan and timeline for conducting a HIA that defines priority issues, research questions and methods, and participant roles.

Essential Tasks

Determine who will oversee the HIA process

Set ground rules for working together, including participant roles

Establish objectives for the HIA

Develop research questions, workplan, and timeline

Determine the format for the final HIA, including how findings will be communicated

Scoping: Resources

HIAs can vary greatly in scope. How will available resources impact the scope?

Least Resources

Most Resources Review of available reports

Literature review

Analysis and mapping of existing data from the census, public agencies, etc.

Expert opinion

Application of quantitative forecasting methods using existing studies

Interviews or focus groups

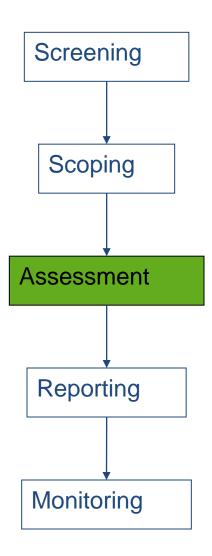
New quantitative data collection and analysis

Example Scoping Questions

For each health issue of concern:

Existing Conditions	What do we know about existing conditions, potential health impacts, and vulnerable populations?
Populations	What are specific populations (age, gender, race, income, place) that will be impacted by this project/policy proposal?
Research Questions	What research questions do we want to answer?

Step 3



Step 3: Assessment

Objective

To provide a profile of existing conditions data, an evaluation of potential health impacts, and evidence-based recommendations to mitigate negative and maximize positive health impacts.

Essential Tasks

Profile existing conditions using existing and new data

Judge the impacts of the decision on selected indicators

Use results to develop recommendations and mitigations to address negative health impacts

HIA Assessment Methods

Conduct an empirical literature review

Gather existing data or conduct new analysis on health, environmental and social indicators

Compare data to existing regulatory criteria, standards, & benchmarks

Utilize community expertise - e.g., focus groups, surveys

Apply specialized data collection tools for observational data, forecasting, and modeling

Indicator Data Sources

United States Census Bureau, American Fact Finder

Population data on demographics, social and economic characteristics, at state, county, city, zip code, census tract, block group, and block level

Centers for Disease Control, Behavioral Risk Factor Surveillance System

The world's largest, on-going telephone health survey system, tracking health conditions and risk behaviors in the US

NYS DOH METRIX

Health and environmental data available through a public website through the Maximizing Essential Tools for Research Innovation and eXcellence (METRIX) project

NYC Agencies

NYC DOHMH, transportation, planning

Community Expertise

Residents

Neighborhood organizations

Medical practitioners

Public officials

Health agencies



"It affects my community, making residents sick. We need to stop the diesel trucks from passing through residential areas, also diesel buses, and if possible make it the law or policy."

Focus groups
Surveys
Interviews

Specialized Assessment Tools

San Francisco Department of Public Health - www.sfphes.org

Pedestrian Environmental Quality Index

Air Quality Modeling

Noise Modeling

Pedestrian Injury Collision Modeling

Healthy Development Measurement Tool

County Health Rankings - <u>www.countyhealthrankings.org</u>
WalkScore - <u>www.WalkScore.com</u>

Recommendations & Mitigations

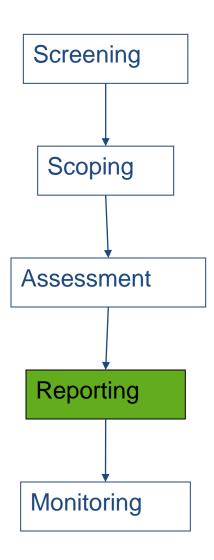
A key function of HIA is to identify opportunities for public decisions to promote health

Based on Assessment, HIA may suggest:

Recommendations: alternative ways to design a project, plan, or policy its location, or timing to benefit health.

Mitigations: strategies to lessen anticipated adverse health effects of a decision.

Step 4



Step 4: Reporting

Objective

To develop the HIA report and communicate findings and recommendations

Essential Tasks

Develop a consensus among stakeholders re: key findings and recommendations

Determine the format and structure of the report

Write the report

Develop a communication plan

Prepare communication materials to suit the needs of all stakeholders

HIA Reporting Formats

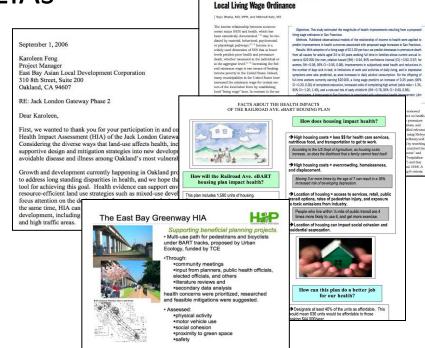
Letters to proponents & decision-makers

Comment letters on draft EIAs

Formal report

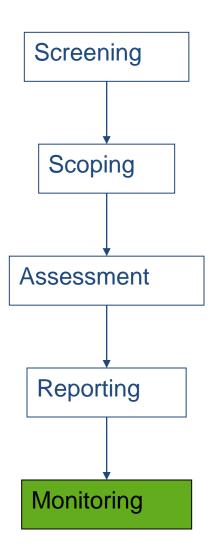
Presentations

Peer-reviewed publications



Estimation of Health Benefits From a

Step 5



Step 5: Monitoring

Objective

To track the impacts of the HIA on the decision-making process and the decision, the implementation of the decision, and the impacts of the decision on health determinants

Essential Tasks

Track recommendation adoption, discussion of findings, decision-making climate for health, & HIA institutionalization

Monitor decision implementation to track whether policy was carries out in accordance with recommendations

Monitor health determinants and outcomes to evaluate HIA predictions

Examples of HIA Monitoring Questions

Did the HIA lead to changes in the design of the proposed project, plan, or policy?

Did the project, plan, or policy change in a way that was consistent with recommendations?

Did the HIA help to build consensus?

Did the HIA aid in securing funds for project mitigations?

Did the HIA lead to other policy changes?

HIA Collaboration: Challenges

Developing and maintaining relationships

Establishing common goals, expectations, ground rules

Ensuring partner involvement

Start-up is important!

What the Critics Say

Criticism	Response
HIA is costly	Not as costly as treatment of health impacts in the long run
HIA is time- consuming and will slow decision-making processes	Conducting the HIA early will bring issues to the front of the decision-making process, potentially speeding approval processes and preventing costly litigation that delays projects
HIA will stop economic development	The role of HIA is to identify mitigations and recommendations, not to say "don't do that"
HIA is not scientific	Role of HIA is to pull together disparate pieces of evidence to make a broad statement about impacts

Additional Resources

San Francisco Department of Public Health

Dr. Rajiv Bhatia, Director of Occupational and Environmental Health

- http://www.sfphes.org/
- http://www.sfphes.org/SFBayArea HIA Collaborative.htm

Wisconsin Department of Health Services

– http://www.dhs.wisconsin.gov/hia/

Human Impact Partners

www.humanimpact.org