
Assessment

*Wednesday, February 9, 2011
9:30-11:00 a.m.*

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Agenda

- 9:30 Introduction
- 9:40 Existing Conditions Profile
 - *Case Study: Farm to School*
- 10:10 Impact Analysis
 - *Case Study: Quantitative Assessment in Land Use and Transportation*
- 10:45 Recommendations & Mitigations

The HIA Process

Screening



Scoping



Assessment



Reporting



Monitoring

The HIA Process

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
Recommendations	Provide 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



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.

Assessment Tasks

- ❑ Profile existing conditions
- ❑ Evaluate potential health impacts
- ❑ Propose evidence-based recommendations

Important Points

1. Don't have to start from scratch (many tools and resources available)
2. Use complementary approaches (quantitative and qualitative information)
3. HIA scope will help keep you on track

Developing an Existing Conditions Profile

- Define the geographic area/population
- Describe the distribution of health outcomes and determinants by:
 - Age
 - Gender
 - Race/Ethnicity
 - Income
 - Place of residence
 - Other factors
- Identify health inequities and vulnerable populations

Developing an Existing Conditions Profile

- Available data sources
 - Reports and data from your local/state health, planning, environmental, transportation, education agency
 - Community and neighborhood groups (including advocacy and service organizations)
 - Environmental impact statements

Developing an Existing Conditions Profile

- Collecting new data
 - Indicator tools (e.g. PEQI)
 - Community expertise
 - Focus groups
 - Community surveys
- Other tools and information
 - Spatial analysis (e.g., GIS maps)
 - Regulatory standards
 - Information on history, values, priorities of community

Case Study: Farm to School

Farm to School & School Gardens Oregon HB 2800 Assessment

Tia Henderson
Upstream Public Health



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Questions?

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Conducting an Impact Analysis

- Want the best prediction of how things will change from baseline, including:
 - Direction (+/-; beneficial or harmful to health)
 - Magnitude
 - Likelihood
 - Disproportionate impacts
- Crucial to address quality of evidence and uncertainty in predictions

Conducting an Impact Analysis

- Empirical research
- Modeling and forecasting
- Spatial analysis

Conducting an Impact Analysis

Table 1. Summary of Findings from Impact Analysis.

Health Outcome/ Determinant	Direction	Magnitude	Severity	Likelihood	Distribution

Conducting an Impact Analysis

Table 1. Summary of Findings from Impact Analysis.

Health Outcome/ Determinant	Direction	Magnitude	Severity	Likelihood	Distribution
Asthma	Negative	High	Medium	Likely	Residents near road; Children in nearby school
CVD	Negative	Medium	High	Possible	Residents near road;
Pedestrian Injuries	Positive	High	High	Likely	Residents within ¼ mile
Access to food/services	Positive	Low	Medium	Uncertain	Low income; people w/out cars

Specialized Assessment Tools

- ✓ **Healthy Development Measurement Tool (HDMT):**
<http://www.thehdmtool.org/>
- ✓ **Air Quality Measurement and Modeling:**
http://www.sfphes.org/HIA_Tools_Air_Quality.htm
- ✓ **Pedestrian Environmental Quality Index (PEQI):**
http://www.sfphes.org/HIA_Tools_PEQI.htm
- ✓ **Bicycle Environmental Quality Index (BEQI)**
http://www.sfphes.org/HIA_Tools_BEQI.htm
- ✓ **Retail Food Availability Survey:**
http://www.sfphes.org/HIA_Tools_Retail_Food_Availability.htm
- ✓ **Neighborhood Completeness Indicator (NCI):**
http://www.sfphes.org/HIA_Tools_Neighborhood_Completeness.htm
- ✓ **Pedestrian Flow Model:**
www.sfphes.org/HIA_Tools_Ped_Flow_Model.htm

Healthy Development Measurement Tool

The Tool

The Healthy Development Measurement Tool is comprised of a set of metrics to evaluate the extent to which land use plans, projects, or policies will advance human health. The HDMT is broadly organized into six **Elements** that comprise a Healthy City:

- Environmental Stewardship, Sustainable and Safe Transportation, Public Infrastructure, Social Cohesion, Adequate and Healthy Housing and Healthy Economy.

Within each Element, content is organized into a set of **Community Health Objectives** that, if achieved, would result in greater and more equitable health assets and resources for San Francisco residents.

Each objective includes the following resources:

- **Community Health Indicators** – San Francisco data and maps that provide a snapshot of baseline conditions in San Francisco, and help evaluate progress towards community health objectives.
- **“Healthy Development” Targets** – development criteria can be used to assess whether urban development plans and projects help achieve community health objectives.
- **Policies and Design Strategies** – a menu of potential actions that can be taken by project sponsors or policy makers to achieve development targets in the checklist and advance community health objectives.
- **Health-based Rationales** – research that describe the nexus between community health objectives and physical and mental health.

Please refer to [HDMT Instructions](#) to learn how to use the HDMT.

- Click here to begin [using the HDMT](#).
- Click here to view to a [master list of all indicators](#).
- Click here to jump to the [healthy development checklist](#).
- Click here to view [Neighborhood Indicator Profiles](#).

Healthy Development Measurement Tool

1) Does a place have healthy living and working conditions?

Use HDMT indicator data to assess baseline neighborhood conditions.



2) Does a plan or project advance health-related conditions?

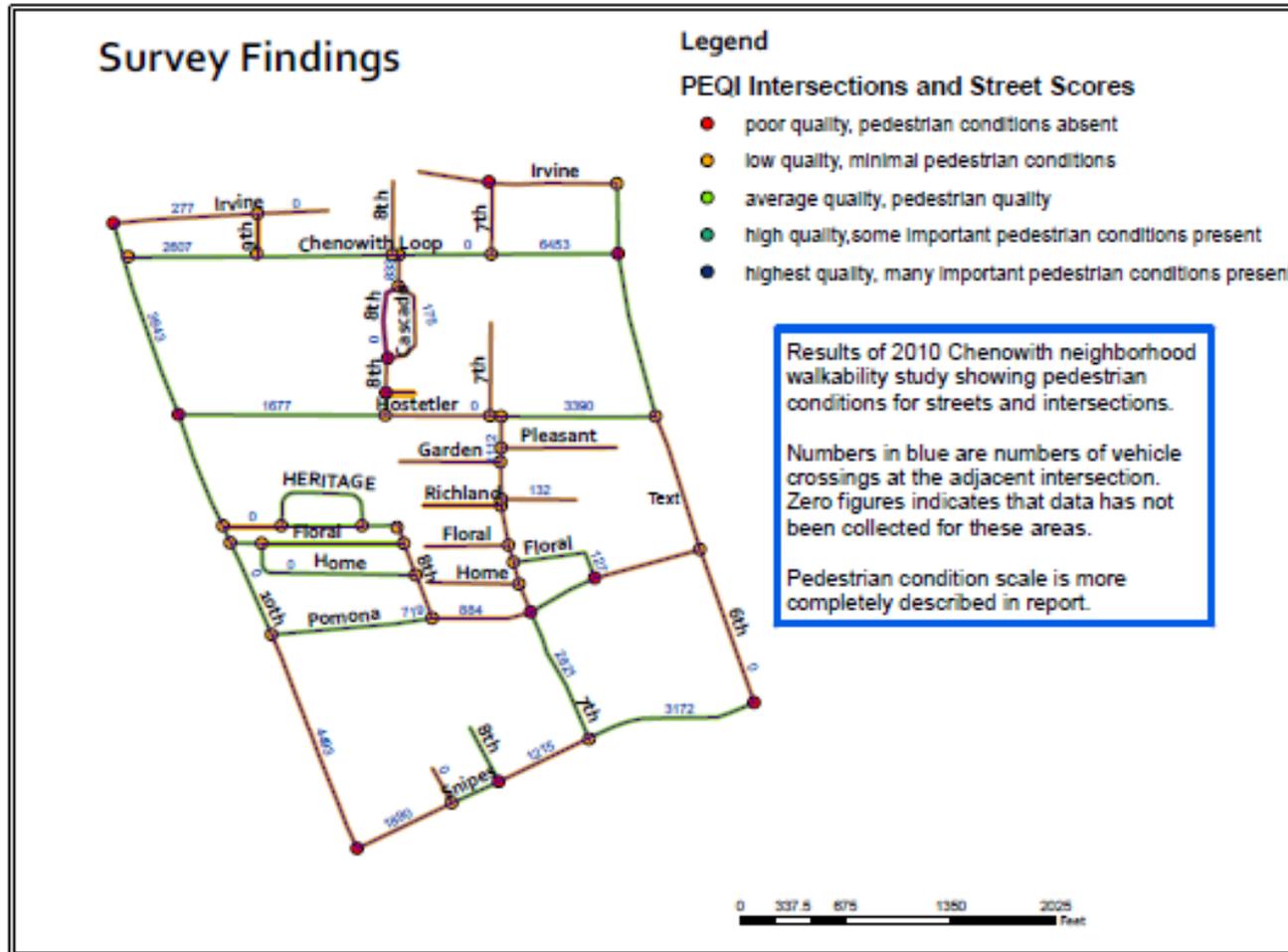
Evaluate plan/project against HDMT healthy development checklist targets and baseline conditions.



3) What policies, implementing actions and/or design recommendations would advance community health objectives?

Informed by HDMT policy and design strategies, identify recommendations for plan and project improvements.

Pedestrian Environmental Quality Index



Oregon Data Sources

- ✓ Oregon Data Resources Oregon Environmental Public Health Tracking (Oregon EPHT): <http://public.health.oregon.gov/PHD/OEPH/RES/EPHT/Pages/index.aspx>
- ✓ Oregon Rural Communities Explorer: <http://www.oregonexplorer.info/Rural/>
- ✓ University of Oregon GIS Resources: http://libweb.uoregon.edu/map/or/gis_or_city.htm
- ✓ Oregon Progress Board: <http://www.oregon.gov/DAS/OPB/>
- ✓ Directory of Local Health Departments: <http://public.health.oregon.gov/ProviderPartnerResources/LocalHealthDepartmentResources/Pages/lhd.aspx>
- ✓ Oregon Center for Health Statistics: <http://public.health.oregon.gov/PHD/ODPE/CHS/HealthStatistics/Pages/index.aspx>
- ✓ Portland State University Population Research Center: <http://www.pdx.edu/prc/>
- ✓ Community Health Priorities: http://www.communityhealthpriorities.org/resources/oregon_health_data/
- ✓ The Data for Local Communities Project: <http://libweb.uoregon.edu/dc/dlc/>
- ✓ Big Look Task Force: <http://www.oregonbiglook.org/>
- ✓ University of Oregon, Oregon Data Bank: <http://libweb.uoregon.edu/govdocs/ordb.html>

Oregon Rural Communities Explorer

The screenshot shows a web browser window titled "Rural Communities Explorer - Windows Internet Explorer". The address bar contains "http://oregonexplorer.info/rural/". The page features a navigation bar with logos for "OSU Libraries", "Institute for Natural Resources", and "NACSE". A search bar is located on the right side of the navigation bar. The main content area is divided into several sections:

- Natural Resources Digital Library:** Includes a grid graphic and text: "Information to help local citizens and policymakers make better decisions about rural issues including vitality and change in Oregon's rural communities." It also mentions a partnership with the "Rural Studies Program".
- Explore Rural Communities:** A sidebar menu with links for "What is a [community](#)?", "What is [rural](#)?", "Rural Oregon [stories](#)", "Use the [Rural Communities Explorer Tutorial](#)", and "[Glossary](#) of rural terms".
- Research, Map & Analyze:** A sidebar menu with links for "Access [community data](#)", "Use the [Community Model](#)", "[Map](#) rural issues", "Find [data sources](#) for rural communities", and "[Reports](#) and publications".
- Issues in Rural Oregon:** A sidebar menu with links for "Learn about [rural issues](#)" and "What is [community vitality](#)?".
- ACCESS COMMUNITY DATA:** A main section with a heading "ACCESS COMMUNITY DATA" and text: "Oregon is made up of many human communities. As of 2007, there were over 700 named places in the 36 counties of the state. Each of these communities is unique with respect to its economy, environment, population, and social system. Using the Oregon Communities Reporter you can get a sense of the makeup of the communities in Oregon with statistics compiled by faculty from Oregon State University's Rural Studies Program." It includes a small map of Oregon with "Lakeview" highlighted and the text "Lakeview (Unincorporated Cities 2005)". Below the text is a link: "The Oregon Communities Reporter is a unique resource for community practitioners as it links the 723 places and 36 counties in Oregon to data gathered at the place, census tract, and county levels by various agencies and institutions." and a button: "→ Get data from the [Oregon Communities Reporter Tool](#)".
- REDEFINING OREGON:** A section heading at the bottom of the main content area.

Case Study: HiP

Quantitative Assessment in Land Use and Transportation

Marnie Purciel-Hill
Human Impact Partners



Questions?

The logo for the Oregon Health Authority is centered at the bottom of the slide. It features the word "Oregon" in a smaller, orange, serif font above the word "Health" in a larger, blue, serif font. Below "Health" is the word "Authority" in a smaller, orange, serif font. The entire logo is set against a light blue, curved background that spans the width of the slide.

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Developing Recommendations & Mitigations

- Recommendations: are there alternative ways to design or implement a project/plan/policy to benefit health?
- Mitigations: are the strategies that could lessen unavoidable impacts to health?
- Need clear understanding on:
 - The proposed project/policy/plan
 - Policy implementation, design alternatives and mitigation strategies

Developing Recommendations & Mitigations

- Collaboration and consultation is key
- Recommendations should be:
 - Appropriate and responsive for predicted impacts and community affected
 - Feasible (technically, politically, financially)
 - Able to be enforced and monitored
 - Effective

Developing Recommendations & Mitigations

- Resources
 - Subject-matter experts and community expertise
 - Recommendations from research studies and similar HIAs
 - Policies, laws, standards and regulations from other jurisdictions

Questions?

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HIA Resources

Oregon Public Health Division HIA Website:

www.oregon.gov/dhs/ph/hia

HIA Research and Assessment Resources, HiP:

<http://www.humanimpact.org/hips-hia-tools-and-resources>

HIA Network Listserv:

http://listsmart.osl.state.or.us/mailman/listinfo/health_impact_assessment

Intro to HIA Webinar:

<http://www.oregon.gov/DHS/ph/hia/hiawebinarslides12.1.pdf>

VistaPHw: Software for public health assessment in Oregon

<http://public.health.oregon.gov/BirthDeathCertificates/VitalStatistics/VistaPHw/Pages/VistaPHw.aspx>



Health Impact Assessment (HIA) Webinars

Introduction to HIA

December 1, 2010

Screening, Scoping and Collaboration

January 12, 2011

Assessment

February 9, 2011

Recommendations, Reporting, Monitoring and Evaluation

March 9, 2011

Intervention Points in Policy Processes

April 13, 2011

This free webinar series is intended for public health professionals, community planners, partners, and local leaders interested in health, social and economic decision making. The Introduction to HIA webinar will define Health Impact Assessment (HIA) and provide an overview of the steps of HIA. The subsequent webinars will walk through the steps of HIA while also highlighting the role of collaboration, and opportunities to apply HIA to decision making contexts in Oregon.

The HIA Process



All webinars take place from 9:30-11:00 a.m. (PST)

Registration information will be sent via email for individual modules to the HIA Network listserv

Questions? Email: nancy.m.goff@state.or.us