HIA Training
Scoping Exercise

1. Review the Scoping worksheet and example below.

2. Within the context of your case study scenario, identify one health determinant that would be prioritized in a HIA for this proposed project, plan or policy.

3. Describe potential pathways from the proposed project, plan or policy to changes in social and environmental conditions that lead to the health determinant you've selected. Identify potential health outcomes resulting from your health determinant as well *(draw a "pathway diagram").*

4. Move onto the worksheet and write-in your health determinant. Identify the geographic scope for your analysis.

5. For the health determinant you identified, complete the following questions for one proximate effect, one health outcome, and one vulnerable population:
   - Identify an "existing conditions research question" to understand baseline conditions related to the health determinant.
   - Identify an "impact research question" that describes how the project, plan, or policy may impact baseline conditions related to the preceding question.
   - Identify the indicators that can be used to answer the preceding existing conditions and impact questions.
   - Identify the data sources for each indicator.
   - Identify the methods that will be used to assess baseline conditions and predict impacts.
   - List high-medium-low priority for the research questions and/or indicators.
   - List any special notes to keep in mind.

The following are common health determinants assessed in HIAs. Feel free to investigate other topics not listed here as well.

Secure employment	Air pollution
Job quality & safety	Environmental noise
Quality and accessibility of housing	Access to parks
Quality of nutrition	Preservation of open space
Access to goods & services	Traffic safety
Education & child development	Community violence
	Protection of community cohesion

Pathway Diagram

HIA Scoping Worksheet – Example

Project:	Freeway Expansion
Health Determinant:	Air Quality
Geographic Scope:	0-150m from freeway; 150-300m; County/Region

Existing Conditions Research Questions	Impact Research Questions	Indicators	Data Sources	Methods	Priority	Notes
What are existing levels of air pollution?	Based on traffic model, how will the projected changes affect air quality? How would specific features of the proposal (e.g., carpool lanes) impact AQ?	Levels of some of the following: Carbon Black, NOx, SOx, DPM, PM2.5, PM10 Levels of above pollutants attributable to traffic on freeway Level of emitted NO2 Level of emitted ultrafine particles	Environmental Impact Assessment; AQ modeling; emissions inventories; local studies	AQ modeling; GIS mapping lit review	High	
What are current asthma rates compared to county and state? How many missed school days are currently attributable to asthma in the impacted areas?	How would changes in air quality resulting from the project be expected to impact asthma risk? How would changes in asthma rates be expected to impact missed school days?	Asthma prevalence, hospitalizations Days of missed school due to asthma	Health survey; hospital admissions data School district	Model using odds ratios from meta-analyses (e.g., Weinmayr) Qualitative description (lit review and review of available stats)	High	
How do demographics of populations living near air pollution sources compare to characteristics of people living elsewhere?	Will projected changes in air pollution exposure adversely impact people with social, economic, or education-related vulnerabilities?	Income, ethnicity/race, age data	Census	Qualitative description (lit review and review of available stats)	High	

HIA Scoping Worksheet

Project:	
Health Determinant:	
Geographic Scope:	

Existing Conditions Research Questions	Impact Research Questions	Indicators	Data Sources	Methods	Priority	Notes