



Data to Policy Modules

Learning Objectives

Module	Learning Objective
L00 Introduction and Big Picture	<ul style="list-style-type: none"> Understand the D2P program objectives and structure Propose a topic for the D2P program Engage effectively with mentors
L01 Policy and Policy Briefs	<ul style="list-style-type: none"> Define “policy” and “policy brief” Explain how health policy is formed Describe components of a policy brief
L02 Literature Search and Other Data Sources	<ul style="list-style-type: none"> Identify various sources of data for your policy brief Use PubMed to access scientific literature Use Google Scholar and other sources to access literature and reports Use specific terms to refine your searches
L03 Framing the Problem	<ul style="list-style-type: none"> Frame a policy topic in terms of the health problem, primary cause and root causes
L04 Root Cause Analysis	<ul style="list-style-type: none"> Create a cause/effect “fishbone” diagram to analyze the root cause(s) of a problem Identify and prioritize high-impact, modifiable causes as targets of a policy brief Outline the problem statement for your policy brief
L05 Gender Analysis for Policy Development	<ul style="list-style-type: none"> Describe how gender affects health status as well as the policy environment Use gender analysis to analyze a health problem and policy options
L06 Epidemiologic Measures in Policy Briefs	<ul style="list-style-type: none"> Use basic and advanced health measures to describe a single population Use basic and advanced health measures to compare two or more populations Determine which measures are most useful to tell which stories Explain measures from the public health literature
L07 Identify Policy Options	<ul style="list-style-type: none"> Develop policy options that address root causes Analyze feasibility of policy options Identify evidence to assess options
L07b Policy Implementation & Enforcement	<ul style="list-style-type: none"> Discuss why implementation and enforcement are important to consider during policy design Identify different mechanisms that can be used to achieve behavior change Assess when sanctions are appropriate for policy enforcement Consider how various factors could influence implementation and enforcement of your policy options
L08 Stakeholder Analysis	<ul style="list-style-type: none"> Identify and map stakeholders Prioritize and plan for stakeholder interviews/engagement Conduct stakeholder analysis



L09 Framing an Economic Evaluation	<ul style="list-style-type: none"> Understand key concepts in health economic evaluation for policy decisions Understand the benefits of economic evaluation methods for public health decision-making Design an economic evaluation plan for a public health intervention applying key economic evaluation concepts, such as time frame, analytic horizon, and perspective to your policy topic
L10 Assessing Health Impact	<ul style="list-style-type: none"> Understand why models are used in public health Construct a decision tree model to estimate the health impact of a policy option Calculate expected value
L11 Cost Analysis	<ul style="list-style-type: none"> Define program cost analysis and cost of illness analysis Develop a cost inventory for your proposed interventions Calculate the costs of your proposed intervention using a decision tree model Identify and categorize different types of costs in health programs Understand how cost analysis supports decision-making in public health
L12 Economic Evaluation	<ul style="list-style-type: none"> Analyze and construct full economic evaluation models Calculate and interpret incremental cost-effectiveness ratios (ICERs) Apply systematic methods for comparing health interventions using multiple economic evaluation techniques Evaluate the strengths and limitations of different economic evaluation approaches
L13 Sensitivity Analysis	<ul style="list-style-type: none"> Recognize the value of sensitivity analysis Identify and test model inputs and assumptions using sensitivity analysis Present the findings of sensitivity analysis Understand uncertainty in health economic models
L14 Effective Writing	<ul style="list-style-type: none"> Write for your audience or stakeholders Be aware of common errors of grammar and syntax to avoid Understand techniques that can be used to craft clear, concise sentences and paragraphs
L15 Writing the Problem Statement	<ul style="list-style-type: none"> Identify the information that should be included in your problem statement Provide relevant feedback on a problem statement
L16 Writing Policy Options	<ul style="list-style-type: none"> Summarize effective interventions, accounting for all aspects of feasibility Visually display the options in a way that clearly makes the case for one option over others Evaluate policy option sections within briefs
L17 Making and Writing Recommendations	<ul style="list-style-type: none"> Identify the components of a good recommendation Write a compelling recommendation and call to action
L18 Data Visualization	<ul style="list-style-type: none"> Identify the most appropriate visualization types for your data stories Use guidelines to create the most effective visualizations for your policy brief and presentations
L19 Writing Key Messages and Title	<ul style="list-style-type: none"> Describe what makes a good key messages section Distill your policy brief content down to 2-3 key messages Describe what makes a good title Develop an effective title for your policy brief
L20 Advocacy Strategy and Communications	<ul style="list-style-type: none"> Analyze the policy and advocacy environment Describe ways you can advocate for policy change Present your policy brief PowerPoint effectively Develop an effective elevator pitch