



Data to Policy Modules

Learning Objectives

Module	Learning Objective
L00 Introduction and Big Picture	• Understand the D2P program objectives and structure • Propose a topic for the D2P program • Engage effectively with mentors
L01 Policy and Policy Briefs	• Define “policy” and “policy brief” • Explain how health policy is formed • Describe components of a policy brief
L02 Literature Search and Other Data Sources	• 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	• Frame a policy topic in terms of the health problem, primary cause and root causes
L04 Root Cause Analysis	• 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	• 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	• 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	• Develop policy options that address root causes • Analyze feasibility of policy options • Identify evidence to assess options
L07b Policy Implementation & Enforcement	• Recognize 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	• Identify and map stakeholders • Prioritize and plan for stakeholder interviews/engagement • Conduct stakeholder analysis

L09 Framing an Economic Evaluation	• 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	• 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	• 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 • Understand how cost analysis supports decision-making in public health
L12 Economic Evaluation	• Understand the use of cost-effectiveness analysis for decision-making • Calculate and interpret incremental cost-effectiveness ratios (ICERs) • Evaluate the strengths and limitations of different economic evaluation approaches
L13 Sensitivity Analysis	• 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	• 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	• Identify the information that should be included in your problem statement • Provide relevant feedback on a problem statement
L16 Writing Policy Options	• 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	• Identify the components of a good recommendation • Write a compelling recommendation and call to action
L18 Data Visualization	• 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	• 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	• 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