# Data to Policy Modules

## Learning Objectives

<table>
<thead>
<tr>
<th>Module</th>
<th>Learning Objective</th>
</tr>
</thead>
</table>
| **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 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** | - 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 Identification and Mapping** | - Identify and map stakeholders  
- Prioritize and plan for stakeholder interviews/engagement  
- Conduct stakeholder analysis |
| L09 Framing an Economic Evaluation       | • Define economic evaluation and its components  
|                                       | • Understand the benefits of economic evaluation methods for public health decision-making  
|                                       | • Apply 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  |
| L12 Economic Evaluation               | • Describe the basic concepts of a full economic evaluation  
|                                       | • Define the most common economic evaluation methods and identify when to use them  
|                                       | • Understand why we discount future costs and benefits  
|                                       | • Perform a basic cost-effectiveness analysis using a decision tree model  |
| 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  |
| 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 key information needed to write a problem statement  
|                                       | • Use the materials developed during mentoring sessions to write an effective 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| • Discuss the elements of a good recommendation  
|                                       | • Write a compelling recommendation and call to action  |
| L18 Data Visualization and Presentation| • Discuss the characteristics of good visualization  
|                                       | • Identify data stories and the most appropriate visualization types for each  
|                                       | • Use guidelines to create the most effective visualization(s) for your policy brief  |
| 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  
|                                       | • Use the template provided to create a PowerPoint to present your policy brief  
|                                       | • Develop an effective elevator pitch  |