Logic model
A graphic description of a system designed to identify important elements and relationships within that system, and a means of conceptualising and handling complexity in health technology assessments (HTAs) and systematic reviews (SRs).

Purpose of logic model guidance
• Summarise current practice in the use of logic models in HTAs and SRs.
• Offer direction on how to choose between types (Table 1) and sub-types (Figures 1 and 2) of logic models.
• Describe each logic model type and its application in detail.
• Provide templates for getting started with the development of a problem-specific logic model.

Types of logic models

<table>
<thead>
<tr>
<th>A priori logic model</th>
<th>A type of logic model that is specified at the inception of an HTA or SR and remains unchanged during the HTA/SR process.</th>
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<tbody>
<tr>
<td>Iterative logic model</td>
<td>A type of logic model that is subject to continual modification throughout the course of an HTA or SR.</td>
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<td>Staged logic model</td>
<td>A type of iterative logic model that pre-specifies points, at which major data inputs are anticipated, to prompt a subsequent version of the logic model, thereby increasing transparency.</td>
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Process-orientated logic model
A sub-type of logic model, applicable within a priori, iterative or staged logic modelling approaches, that seeks to capture elements of process within a programme or policy.

System-based logic model
A sub-type of logic model, applicable within a priori, iterative or staged logic modelling approaches, that employs system-based approaches to unpack the complexity of a policy or programme.

Added value of logic models
• Think through the multiple components of a complex technology and its implementation in context
• Structure HTA or SR process from problem specification through to analysis and presentation of findings
• Serve as a framework for juxtaposing quantitative and qualitative data
• Assist in communication within the HTA or SR team and with stakeholders
• Apply stand-alone or as part of the INTEGRATE-HTA model