PRODIGY

Goal BP:
There are 3 subguidelines for adding a second drug, one for each different BP goal. An example of one of the subguidelines follows. It has the following attribute values:

Trend_prompt: BP >= 140/90
This is a prompt to the user, which answers “yes” or “no”.

Greyed_out_condition: Hyp <140/90 most recent, which is and “AND” combination of a criterion on SBP and a criterion on a DBP. The criterion on the SBP is shown below.
Second drug choice

The top-level guideline has an EPR_Summary slot which holds the following value:

For each BP goal there is a different subguideline. Following is an example of the algorithm for the subguideline for goal BP of < 140/90. As shown below, each first drug has a different scenario.
Each first drug has a different scenario. For example, the scenario of “add to ACE inhibitor” is defined by the flowing precondition:

The drug regimes are enumerated as different prescriptions, containing multiplex and emis codes.

The alternative preconditioned actions of adding a second drug to a first drug are organized around the first drug scenario in the same order for all scenarios, which helps in managing complexity. Drug partners to avoid are not represented as options and simply cannot be chosen.

For each action there are rule in/out and greyed in/out condition.

The example below shows a rule out for giving ACEI as a second drug, is if the patient is pregnant, which is a contraindication to giving ACEI.
A compelling indication for giving ACEI can be diabetes with proteinuria, which is modeled as a rule in.
A relative indication is modeled in a similar way, using greyed-in condition. A relative contra-indication is modeled in a similar way, using greyed-out condition.

Drug partners are modeled by indicating the second drug as the preferred option for a good drug partner.
After the user selected a second drug, a “start regime” action is executed, for example:

<table>
<thead>
<tr>
<th>Component</th>
<th>Drug Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>thiazide dose 1</td>
<td>thiazide</td>
</tr>
<tr>
<td>thiazide dose 2</td>
<td>thiazide</td>
</tr>
<tr>
<td>thiazide dose 3</td>
<td>thiazide</td>
</tr>
<tr>
<td>thiazide dose 4</td>
<td>thiazide</td>
</tr>
<tr>
<td>thiazide dose 5</td>
<td>thiazide</td>
</tr>
</tbody>
</table>

Dose levels:
- 1
- 2
- 3
- 4
- 5

Frequency levels:
- 1