Table 1
Simulation Model Characteristics

<table>
<thead>
<tr>
<th>Entity</th>
<th>Patient</th>
</tr>
</thead>
<tbody>
<tr>
<td>System type</td>
<td>Steady-state nonterminating</td>
</tr>
<tr>
<td>Attributes</td>
<td>Patient arrival mode</td>
</tr>
<tr>
<td></td>
<td>Patient product line</td>
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<tr>
<td></td>
<td>Patient pathway by product line</td>
</tr>
<tr>
<td></td>
<td>Patient treatment times by product line and units (intensive care unit [ICU], progressive care unit [PCU], pediatric intensive care unit [PICU], etc.)</td>
</tr>
<tr>
<td></td>
<td>Net operating income per patient by product line</td>
</tr>
<tr>
<td>System parameters</td>
<td>Replication length: 365 days</td>
</tr>
<tr>
<td></td>
<td>Replication number: 20</td>
</tr>
<tr>
<td></td>
<td>Warm-up period: 84 days</td>
</tr>
<tr>
<td>Resources</td>
<td>Beds</td>
</tr>
<tr>
<td>Inputs</td>
<td>Interarrival times</td>
</tr>
<tr>
<td></td>
<td>Treatment times</td>
</tr>
<tr>
<td></td>
<td>Product-line volume projections for 2012</td>
</tr>
<tr>
<td></td>
<td>Current facility’s bed capacity and scope</td>
</tr>
<tr>
<td></td>
<td>New facility’s bed capacity and scope</td>
</tr>
<tr>
<td>Outputs</td>
<td>Patient LOS by product line</td>
</tr>
<tr>
<td></td>
<td>Utilization of beds by bed types</td>
</tr>
<tr>
<td></td>
<td>Total net operating income by product line</td>
</tr>
<tr>
<td></td>
<td>Total bed capacity and scope</td>
</tr>
</tbody>
</table>