

# Patient Set Query Request and Response Message Structure

The patient set request / response message structure is divided into three parts:

1. PSMHeader
2. Request
3. Response

For a request message, the `<psmheader>` and `<request>` sections are required; while a response message requires only the `<response>` section.

```

<i2b2:message_body>
<crc:psmheader>
<request_type></request_type>
</crc:psmheader>
<crc:request>
...
</crc:request>
<crc:response>
...
</crc:response>
</i2b2:message_body>

```

Element Name	Description
psmheader	<p>The header has a <code>&lt;request_type&gt;</code> element, which will carry the operation name. Each operation name has a specific request / response combination.</p> <p>The following is a list of supported operation names:</p> <ul style="list-style-type: none"> <li>• CRC_QRY_getRequestXml_fromQueryMasterId</li> <li>• CRC_QRY_getQueryMasterList_fromUserId</li> <li>• CRC_QRY_runQueryInstance_fromQueryDefinition</li> <li>• CRC_QRY_getQueryMasterList_fromGroupId</li> <li>• CRC_QRY_getQueryResultInstanceList_fromQueryInstanceId</li> <li>• CRC_QRY_getQueryInstanceList_fromQueryMasterId</li> <li>• CRC_QRY_deleteQueryMaster</li> <li>• CRC_QRY_renameQueryMaster</li> <li>• CRC_QRY_runQueryInstance_fromQueryMasterId</li> <li>• CRC_QRY_getResultDocument_fromResultInstanceId</li> <li>• CRC_QRY_getResultType</li> <li>• CRC_QRY_runQueryInstance_fromAnalysisDefinition</li> <li>• CRC_QRY_cancelQuery</li> <li>• CRC_QRY_updateResultInstanceDescription</li> </ul>
request	<p>The <code>&lt;request&gt;</code> is modeled as an object using a polymorphic approach. All operation specific request objects inherit a base <b>RequestType object</b> containing a <b>request_type attribute</b> as shown in the object model diagram in the next section.</p>
response	<p>The <code>&lt;response&gt;</code> is also modeled as an object using a polymorphic approach. All operation specific response objects inherit a base <b>ResponseType object</b> containing a <b>StatusType attribute</b> as shown in the object model diagram in the next section.</p>