

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	The header has a <code><request_type></code> element, which will carry the operation name. Each operation name has a specific request / response combination. The following is a list of supported operation names: • CRC_QRY_getRequestXml_fromQueryMasterId • CRC_QRY_getQueryMasterList_fromUserId • CRC_QRY_runQueryInstance_fromQueryDefinition • CRC_QRY_getQueryMasterList_fromGroupId • CRC_QRY_getQueryResultInstanceList_fromQueryInstanceId • CRC_QRY_getQueryInstanceList_fromQueryMasterId • CRC_QRY_deleteQueryMaster • CRC_QRY_renameQueryMaster • CRC_QRY_runQueryInstance_fromQueryMasterId • CRC_QRY_getResultDocument_fromResultInstanceId • CRC_QRY_getResultType • CRC_QRY_runQueryInstance_fromAnalysisDefinition • CRC_QRY_cancelQuery • CRC_QRY_updateResultInstanceDescription
request	The <code><request></code> is modeled as an object using a polymorphic approach. All operation specific request objects inherit a base RequestType object containing a request_type attribute as shown in the object model diagram in the next section.
response	The <code><response></code> is also modeled as an object using a polymorphic approach. All operation specific response objects inherit a base ResponseType object containing a StatusType attribute as shown in the object model diagram in the next section.