



ARIA Access Reference Guide

ARIA® Oncology Information System for
Radiation Oncology



Legal Information

Publication ID

P1016159-004-D

Publication Title

ARIA Access Reference Guide

Abstract

This document provides reference information about ARIA Access and the web services that allow third-party systems to GET data from or SET data into the ARIA system.

This publication is the English-language original.

Manufacturer

Varian Medical Systems, Inc.
3100 Hansen Way
Palo Alto, CA 94304-1038
United States of America

European Authorized Representative

Varian Medical Systems UK Ltd.
Oncology House
Gatwick Road, Crawley
West Sussex RH10 9RG
United Kingdom

Notice

Information in this publication is subject to change without notice and does not represent a commitment on the part of Varian. Varian is not liable for errors contained in this publication or for incidental or consequential damages in connection with furnishing or use of this material.

FDA 21 CFR 820 Quality System Regulations (cGMPs)

Varian Medical Systems, Oncology Systems products are designed and manufactured in accordance with the requirements specified within this federal regulation.

HIPAA

Varian's products and services are specifically designed to include features that help our customers comply with the Health Insurance Portability and Accountability Act of 1996 (HIPAA). The software application uses a secure login process, requiring a user name and password, that supports role-based access. Users are assigned to groups, each with certain access rights, which may include the ability to edit and add data or may limit access to data. When a user adds or modifies data within the database, a record is made that includes which data were changed, the user ID, and the date and time the changes were made. This establishes an audit trail that can be examined by authorized system administrators.

WHO

ICD-O codes and terms used by permission of WHO, from:

- International Statistical Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10) 2008 Edition. Vols 1-3. Geneva, World Health Organization, 2008.

ICD-10 codes and terms used by permission of WHO, from:

- International Classification of Diseases for Oncology, Third Edition.

Electronic labeling



This symbol on the label indicates that the Instructions for Use for the corresponding product are available at www.MyVarian.com. Access the Instructions for Use in electronic form by logging in with your assigned MyVarian user credentials.

In compliance with Anvisa IN 04/2012 and EU Commission Regulation No 207/2012, Varian will send Brazil and EU customers a free printed copy of the Instructions for Use within 7 days. Use the “Paper Publication Request” form provided on the Varian webpage to order your copy.



CAUTION:

US Federal law restricts this device to sale by or on the order of a physician.

Trademarks

ARIA[®] Oncology Information System and Varian[®] are registered trademarks of Varian Medical Systems, Inc.

Microsoft[®] is a registered trademark of Microsoft Corporation.

All other trademarks or registered trademarks are the property of their respective owners.

Copyright

© 2016-2018 Varian Medical Systems, Inc. All rights reserved. Produced in India.

No part of this publication may be reproduced, translated, or transmitted without the express written permission of Varian Medical Systems, Inc.

Introduction

Overview

ARIA Access is a Web Application Programming Interface (Web API) for ARIA® Oncology Information System (OIS) for Radiation Oncology (RO). It can be used to retrieve, insert, and update ARIA OIS for RO data from third-party software using web service calls.

It is a back end application and therefore does not provide any graphical user interface. ARIA Access can be used as a replacement for ARIA® Oncology System LINK. However, ARIA Access does not provide write access to ARIA treatment data like treatment courses, treatment plans and so on.

Intended Audience

This reference guide provides detailed information on how to use ARIA Access. It is also assumed that ARIA Access is installed and running. This guide is intended for users who want to programmatically integrate third-party software with ARIA. These users may be hospital programmers, IT personnel and others.



Note: The Web Services described in this document are subject to change at Varian's discretion and therefore changes applied might require changes to any application that uses them.

Visual Cues

This publication uses the following visual cues to help you find information:



WARNING: A warning describes actions or conditions that can result in serious injury or death.



CAUTION: A caution describes hazardous actions or conditions that can result in minor or moderate injury.



NOTICE: A notice describes actions or conditions that can result in damage to equipment or loss of data.



Note: A note describes information that may pertain to only some conditions, readers, or sites.



Tip: A tip describes useful but optional information such as a shortcut, reminder, or suggestion, to help get optimal performance from the equipment or software.

Contact Varian Customer Support

Varian Customer Support is available on the internet, by e-mail, and by telephone. Support services are available without charge during the initial warranty period.

The MyVarian website provides contact information, product documentation, and other resources for all Varian products.

1. Go to www.MyVarian.com.
2. Choose an option:
 - a. If you have an account, enter your User login information (email and password).
 - b. If you do not have an account, click **Create New Account** and follow the instructions. Establishing an account may take up to two working days.
3. Click **Contact Us** at the top of the window to display customer support and training options, and international e-mail addresses and telephone numbers.
4. From the Contact Us page, choose an option:
 - a. Call Varian Medical Systems support using a phone support number for your geographic area.
 - b. Complete the form corresponding to your request for use on a call with a live Varian representative; then follow the instructions to complete the remote connection.

You can order documents by phone, request product or applications support, and report product-related issues. Links on the MyVarian website navigate to other support resources for products, services, and education.

5. To find documents, click **Product Documentation**.

Online documents in PDF format include customer technical bulletins (CTBs), manuals, and customer release notes (CRNs).

Web Service

Calling a Web Service

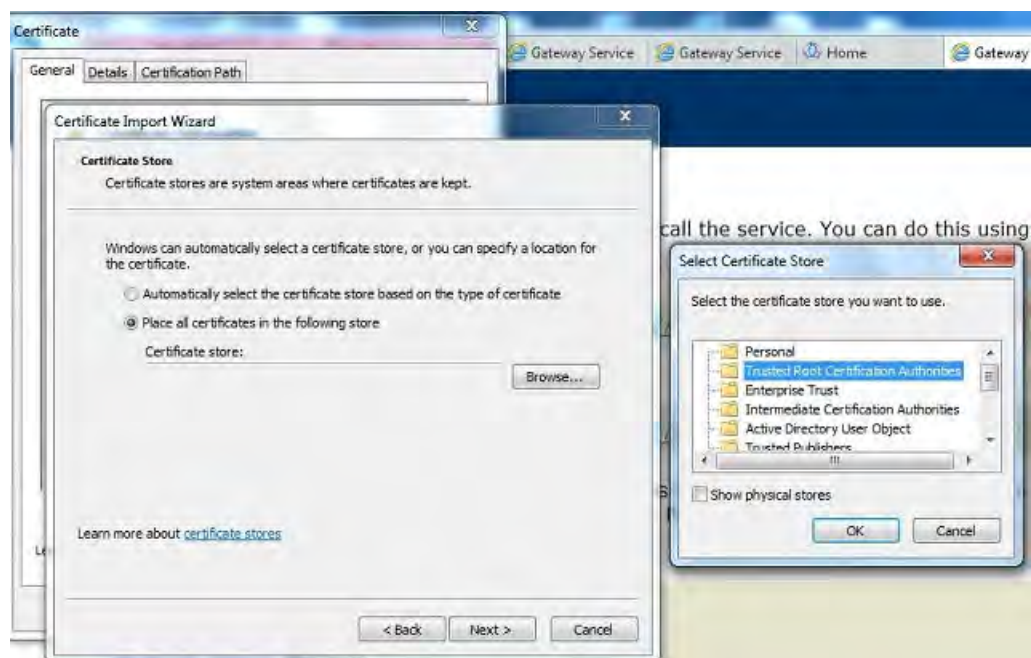
This section describes how ARIA Access web services can be used to access ARIA database. The following are the requirements to call an ARIA Access web service.

- ARIA Access uses HTTPS protocol encryption for communication between server and client.
- API Key - Required to access the web service.
- Credentials - Valid user credentials registered in Shared Framework (SF) Portal
- Import Certificate - Certificate can be imported either manually or by using the utility

Importing Certificate Manually

Before calling a web service, you must import the certificate.

1. Browse to the Gateway URL: `https://hostname:55051/gateway/service.svc`.
This will route to ARIA Access service.
2. Choose **Certificate error > Next**.
3. Click the **Place all certificates in the following store** radio button.
4. Choose **Browse > Trusted Root Certification > Authorities**. and then click **OK**.
5. Click **Next** on **Certificate Import Wizard**.



6. Click **Finish**.
The certificate import is successful.

XML and JSON Examples

The Content element can be either of the following:

- XML
- JSON

XML Example

```
<z:anyType i:type="a:GetDoctorsInfoRequest" xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"

xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/Foundation/SF/Gateway"/>
  <a:DepartmentID xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>Oncology11</b:Value>
  </a:DepartmentID>
  <a:DoctorId xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>Oncologist1</b:Value>
  </a:DoctorId>
</z:anyType>
```

JSON Example

```
{"__type": "GetDoctorsInfoRequest:http://services.varian.com/AriaWebConnect/Link",
"Attributes": null,
"DepartmentID": {"Value": "Oncology11"},
"DoctorId": {"Value": "Oncologist1"}}
```

Posting the Request to Gateway URL

Post this request as:

POST https://<hostname>:55051/Gateway/Service.svc/interop/rest/Process

Testing a Web Service

To test whether the web service is working well, do the following

1. Go to SoapUI and choose **File > New REST Project**.
2. Enter https://<hostname>:55051/Gateway/Service.svc/interop/rest/Process in the **URL** field.
A REST project is created. For example, REST Project1.
3. Expand **REST Project1** and select **Request1** under **Process**.
4. Select **POST** method on the Request1 screen.

5. Select **application/json** in the **Media Type** field and paste your request (in JSON format) in the text area.
6. Click the **Authorization** tab and select **Basic** in the **Add New Authorization** and click **OK**.
7. Enter your valid Shared Framework registered **Username** and **Password**.
8. Select the **Authenticate pre-emptively** radio button.
9. Select the **Header** tab and add new header.
10. In the **Add HTTP Header** dialog box, type **ApiKey** and click **OK**.
11. In **Value** field, enter the API Key provided by Varian.
12. Click the **Submit request to specified endpoint url** icon.

This response is visible in the **Response** tab..

Error Handling

You can handle errors at the following three levels.

- An error encountered when posting a Request - This occurs due to wrong formatting of the requested JSON or XML.
- Invalid credentials or API Key - You may receive **Unauthorized error** for invalid credentials. An invalid API Key results in a **Request error**.
- Domain-specific errors - For example, **PatientID** is mandatory field.



Note: You can view the error logs in the `<install_directory>:\VMSOS\Log` and log details in `<install_directory>:\VMSOS\Details`.

End Points

ARIA Access web APIs are available on:

- SOAP: `https://<hostname>:55051/Gateway/service.svc`
- REST: `https://<hostname>:55051/Gateway/Service.svc/interop/rest/ Process`

Authentication Types

ARIA Access supports the following authentication types:

- Integrated Windows Authentication (IWA)
- Basic Authentication

Integrated Windows Authentication

Integrated Windows Authentication can be used by consuming the following web services:

- REST
- SOAP

REST

A REST request contains **Header** and **Content** elements.

The Header element contains an API Key.

Header Element	Value	Example
API Key	For example: TYBDH1IUDEJDKEOJ2LMH I	ApiKey: TYBDH1IUDEJDKEOJ2LMH

REST Example (C#)

```
public static string SendData(string request, bool bIsJson,
string apiKey)
{
    var sMediaTYPe = bIsJson ? "application/json" :
"application/xml";
    var sResponse = System.String.Empty;
    using (var c = new HttpClient(new
HttpClientHandler() {UseDefaultCredentials = true}))
    {
        c.DefaultRequestHeaders.Add("ApiKey", apiKey);
        var task =
c.PostAsync(ConfigurationManager.AppSettings["GatewayRestUrl"],
            new StringContent(request, Encoding.UTF8,
sMediaTYPe));
        Task.WaitAll(task);
        var responseTask =
task.Result.Content.ReadAsStringAsync();
        Task.WaitAll(responseTask);
        sResponse = responseTask.Result;
    }
    return sResponse;
}
```

SOAP

In SOAP binding, set Windows as client credentials.

SOAP Example (C#)

```
<binding name="soap" maxBufferSize="2147483647"
maxReceivedMessageSize="2147483647" messageEncoding="Mtom">
    <security mode="Transport">
        <transport clientCredentialType="Windows" />
    </security>
</binding>
```

Basic Authentication

The Header element comprises:

- An API Key
- Authorization

Header Element	Value	Example
API Key	For example: TYBDH1IUDEJDKEOJ2LMH I	ApiKey: TYBDH1IUDEJDKEOJ2LMH I
Authorization	"Basic" + <space> + Base64([UserName] + ":" + [Password])	UserName = DemoUser and Password = DemoPwd

Then the value is, for example, 'Basic RGVtb1VzZXI6RGVtb1B3ZA=' here 'RGVtb1VzZXI6RGVtb1B3ZA=' is Base64(DemoUser:DemoPwd).

Authorization

To call the web services, it is essential that the user has the required permissions to import/export data from ARIA. The administrative group can assign **Import/Export Data** right to a Shared Framework user from Varian Service Portal.

Available Web Services in ARIA Access

Patient Demographics Handling

ARIA Access provides the following web services for Patient Demographics Handling.

Web Service	Description
CreatePatientRequest on page 13	Creates a new patient in ARIA
UpdatePatientRequest on page 19	Updates an existing patient in ARIA
GetPatientsRequest on page 26	Gets information corresponding to patient in ARIA

Resource Handling

ARIA Access provides the following web services for Resource Handling.

Web Service	Description
CreateDoctorRequest on page 30	Creates a doctor in ARIA
GetDoctorsInfoRequest on page 32	Gets information about the doctor in ARIA
AssignDoctorToPatientRequest on page 33	Assigns a doctor to an existing patient in ARIA

Web Service	Description
UpdateDoctorAssignedToPatientRequest on page 35	Updates the assigned doctor for a patient in ARIA
GetDoctorsAssignedToPatientRequest on page 37	Gets the doctors assigned to a patient in ARIA
GetMachineListRequest on page 38	Gets all the Photon Treatment machines configured in ARIA

Patient Diagnosis Handling

ARIA Access provides the following web services for Patient Diagnosis Handling.

Web Service	Description
CreatePatientDiagnosisRequest on page 39	Creates diagnosis for a patient in ARIA
UpdatePatientDiagnosisRequest on page 42	Updates diagnosis for a patient in ARIA
GetPatientDiagnosesRequest on page 44	Gets all diagnosis for a patient in ARIA

Appointment Handling

ARIA Access provides the following web services for Appointment Handling.

Web Service	Description
CreateMachineAppointmentRequest on page 47	Creates a patient appointment for treatment on a particular treatment machine
UpdateMachineAppointmentRequest on page 49	Updates a patient appointment for treatment on a particular treatment machine
GetMachineAppointmentsRequest on page 52	Gets all machine appointments for treatment on a particular treatment service

Billing Data Handling

ARIA Access provides the following web services for Billing Data Handling.

Web Service	Description
AcknowledgeBillingInfoReceivedRequest on page 55	Acknowledges a charge or credit in ARIA
GetBillingInfoRequest on page 55	Gets all charge record data from ARIA for a hospital

Radiation Therapy Data Handling

ARIA Access provides the following web services for Radiation Therapy Data Handling.

Web Service	Description
GetPatientCoursesAndPlanSetupsRequest on page 60	Gets Course and PlanSetups information for a patient in ARIA
GetPatientPlanSetupsRequest on page 61	Gets PlanSetups information for a patient in ARIA
GetPatientPlansRequest on page 62	Gets Patient Plan information for a patient in ARIA
GetPatientPlanTxFieldsRequest on page 64	Gets Treatment Field information for a patient in ARIA
GetPatientFieldsTreatedInfoRequest on page 66	Gets Treated Field information (Records) for a patient in ARIA
GetPatientRefPointsRequest on page 69	Gets reference points for a patient in ARIA
GetPatientClinicalConceptsRequest on page 70	Gets clinical concepts for a patient in ARIA

RFID Vendor Connectivity Handling

ARIA Access provides the following web services for RFID Vendor Connectivity Handling.

Web Service	Description
GetPatientNameForIDRequest on page 72	Allows the caller to get basic patient demographics for a patient in ARIA corresponding to an external ID defined for the patient
GetResourceDetailsForIDRequest on page 72	Allows the caller to get basic patient resource details for a person resource defined (Staff or Doctor) in ARIA corresponding to an external ID defined for the resource
GetPatientAppointmentsForIDRequest on page 73	Allows the caller to get appointment details for appointments defined for a patient (also with a defined external ID) in ARIA

Helper Services

ARIA Access provides the following web services for Helper Services.

Web Service	Description
GetDiagnosisLookUpListRequest on page 76	Gets the list of possible values for Diagnosis Method or Diagnosis Status in ARIA
GetLookUpListRequest on page 76	Gets list of possible values for Patient Demographic attribute in ARIA such as, Marital Status, Sex, Smoking Status and so on


Patient Demographics Handling


CreatePatientRequest






`CreatePatientRequest` allows you to create a new patient in ARIA®. The following attributes are available that can be provided as input in the request.

Refer, [CreatePatientRequest - Examples](#) on page 79 for XML and JSON examples.

Table 1: Create Patient Request Details

Attribute Name	Datatype	Is Mandatory
AddressLine1	String	No
AddressLine2	String	No
AutopsyOutcome	String	No
AutopsyStatus	String	No
AreaName	String, Default Value is <code>AWC:CreatePatient</code> if not provided by the client.  Note: This value is used for tracking purpose. Therefore, it should always be provided and contain an value that helps identifying who created the record in ARIA.	No
BirthCity	String	No
BirthCountry	String	No
BirthCounty	String	No
BirthState	String	No
BirthDate	String, ISO 8601 format	No
BloodGroup	String	No
Citizenship	String	No
CityorTownship	String	No
ContrastAllergies	String	No
Country	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType COUNTRY.	No

Attribute Name	Datatype	Is Mandatory
County	String	No
DeathCause	String	No
DeathDate	String	No
DepartmentId	16 characters, String	No
FirstName	64 Characters, String	No
HomePhoneNumber	String	No
Honorific	String	No
HospitalName	64 Characters, String	No
InEndDate	String, ISO 8601 format	No
InProjectedEndDate	String, ISO 8601 format	No
InStartDate	String, ISO 8601 format	No
LastMenstrualDate	String, ISO 8601 format	No
LastName	64 Characters, String	Yes (If name is passed at the patient level) Refer to Multiple Patient Names Support on page 29).
MaidenName	String	No
MaritalStatus	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType MARITAL_STATUS.	No
MedRecordsLocator	String	No
MedicalAlerts	String	No
MiddleName	String	No
MothersMaiden-Name	String	No
NameSuffix	String	No
Occupation	String	No
PassportNumber	String	No
IsInPatient	Boolean. Default value is False.	No
PatientId1	25 Characters, String	Yes
PatientId2	25 Characters, String	No

Attribute Name	Datatype	Is Mandatory
PatientLocation	String	No
PatientState	String	No
PatientStatus	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType <code>PATIENT_STATUS</code> .	No
PostalCode	String	No
PregnancyStatus	String	No
Race	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType <code>RACE</code> .	No
Religion	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType <code>RELIGION</code> .	No
RetirementDate	String, ISO 8601 format	No
RetirementNote	String	No
RetirementReason	String	No
StateOrProvince	String	No
SSN	64 Characters, String	No
Sex	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType <code>SEX</code> .	No
SmokingStatus	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType <code>SMOKING_STATUS</code> .	No
TransportName	String	No

Attribute Name	Datatype	Is Mandatory
TransportPhone- Number	String	No
UniversalPatientId	32 Characters, String	No
WorkPhoneNumber	String	No
UserDefinedAttri- bute1	String	No
UserDefinedAttri- bute2	String	No
UserDefinedAttri- bute3	String	No
UserDefinedAttri- bute4	String	No
UserDefinedAttri- bute5	String	No
UserDefinedAttri- bute6	String	No
UserDefinedAttri- bute7	String	No
UserDefinedAttri- bute8	String	No
UserDefinedAttri- bute9	String	No
UserDefinedAttri- bute10	String	No
UserDefinedAttri- bute11	String	No
UserDefinedAttri- bute12	String	No
UserDefinedAttri- bute13	String	No
UserDefinedAttri- bute14	String	No
UserDefinedAttri- bute15	String	No
UserDefinedAttri- bute16	String	No
PatientNames	List<PatientName>	No
>LastName	64 Characters, String	No

Attribute Name	Datatype	Is Mandatory
>FirstName	64 Characters, String	No
>MiddleName	String	No
>NameSuffix	String	No
>Honorific	String	No
>NameType	String	No
>NameRepresentationCode	String	No
>NameSelectedForDisplay	WholeNumber	No

Assumptions and Conditions

The following are the assumptions and conditions to call a web service.

- If `MaritalStatus` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned.
- If `Race` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned.
- If `HospitalName` is passed in, then an error is returned in the following conditions:
 - The value passed does not match one of the pre-configured values in ARIA.
 - The value passed matches a hospital that is Not Active.
- If `HospitalName` is not passed in, then the patient is associated with the last hospital created in ARIA that is Active and has an Active Department. If no such hospital is found, an error is returned.
- If `DepartmentName` is passed in, then an error is returned in the following conditions:
 - The value passed does not match one of the pre-configured values in ARIA in the hospital that is passed in or the last hospital created in ARIA that is Active.
 - The value passed matches a department that is Not Active.
- If `DepartmentName` is not passed in, then the patient is associated with the last Active department created in the hospital that is passed in or the last hospital created in ARIA that is Active. If no such department is found, an error is returned.
- If `InStartDate (Admission Date)` is passed in and it is a future date, that is, greater than current date, then an error is returned.
- If `PatientCategory` is being set to `OutPatient`, then `PatientLocation`, `InStartDate`, and `InProjectedEndDate` is not present in the request. If any of these is present, then an error is returned.
- If `PatientCategory` is being set to `InPatient`, then `PatientLocation` and `InStartDate` is present in the request and `InEndDate` is not present in the request. If this is not so, then an error is returned.

- If `SSN` is passed in and it is not unique in ARIA, then an error is returned.
- If `PatientStatus` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `PatientStatus` is not passed in and there is none of the pre-configured values in ARIA are marked as `DefaultPatientStatus`, then an error is returned to the caller.
- If `PatientID` being passed in is not unique, then an error is returned.
- If `BirthCountry` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `Religion` is passed in and the value does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `Sex` parameter is passed in and the value does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `Country` parameter is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `SmokingStatus` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `DeathDate` is being passed in as a future date, that is, greater than current date, then an error is returned.
- If Multiple Patient Names are given, perform the following validations:
 - One Name must have `NameSelectedForDisplay` as 1.
 - `LastName` is mandatory for Name with `NameSelectedForDisplay` as 1.
 - Values of `NameSelectedForDisplay` should be unique and must be in a sequential manner.
 - Maximum six (6) names are allowed.
- If the `NameRepresentationCode` is passed in and the value passed does not match one of the pre-configured values, then an error is returned to the caller.

Errors Messages

The following are the possible error messages:

- Last Name is mandatory field.
- Patient Id is mandatory field.
- Inactive department ID.
- The hospital name provided is not an active hospital.
- Invalid patient category (must be 0 or 1).
- The start date is not valid.
- The end date is not valid.
- The date is not valid.
- Invalid department ID.
- For updates, specified hospital name not associated with existing record.
- Patient with specified ID already exists.


- Social Security Number is not unique.
- Patient status value invalid (valid values set in DataAdministration).
- More than 8000 records present but only 8000 gets returned due to Maximum transmission limit.
- Patient names display order, that is, Name Selected For Display is not valid. It should be in sequence 1, 2, 3....
- Maximum 6 names are allowed in patient names collection.
- When setting Patient to be OutPatient - Location, Start Date, and ProjectedEndDate should be null.
- PatientName collection must have one name with "Name Selected For Display" value 1 and Last Name must be present in the name.
- Marital Status Not Valid.
- Race is not valid.
- Religion is not valid.
- Sex is not valid.
- Smoking Status not valid.
- Death Date not valid.


UpdatePatientRequest




`UpdatePatientRequest` allows you to update an existing patient in ARIA®. The following attributes are available that can be provided as input in the request.




Refer, [UpdatePatientRequest - Examples](#) on page 88 for XML and JSON examples.

Table 2: Update Patient Request Details

Attribute Name	Datatype	Is Mandatory
AddressLine1	String	No
AddressLine2	String	No
AutopsyOutcome	String	No
AutopsyStatus	String	No
AreaName	String. Default value is <code>AWC:UpdatePatient</code> if not provided by the client.  Note: This value is used for tracking purpose. Therefore, it should always be provided and contain a value that helps identifying who created the record in ARIA.	No
BirthCity	String	No

Attribute Name	Datatype	Is Mandatory
BirthCountry	String	No
BirthCounty	String	No
BirthState	String	No
BirthDate	String	No
BloodGroup	String	No
Citizenship	String	No
CityorTownship	String	No
ContrastAllergies	String	No
Country	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType COUNTRY.	No
County	String	No
DeathCause	String	No
DeathDate	String, ISO 8601 format	No
DepartmentId	16 Characters, String	No
FirstName	64 Characters, String	No
HomePhoneNumber	String	No
Honorific	String	No
HospitalName	64 Characters, String	No
InEndDate	String, ISO 8601 format	No
InProjectedEndDate	String, ISO 8601 format	No
InStartDate	String, ISO 8601 format	No
IsTimeStampCheck-Required	Boolean, Default value is <code>True</code> or <code>0/1</code>	No
LastMenstrualDate	String, ISO 8601 format	No
LastName	64 Characters, String	Yes (If name is passed at patient level) Refer Multiple Patient Names Support on page 29
MaidenName	String	No

Attribute Name	Datatype	Is Mandatory
MaritalStatus	String  Note: Refer applicable value(s) from GetLookupListRequest on page 76 with LookUpType MARITAL_STATUS.	No
MedRecordDoctor	String	No
MedicalAlerts	String	No
MiddleName	String	No
MothersMiddleName	String	No
NameSuffix	String	No
NewPatientId1	25 Characters, String	No
Occupation	String	No
PassportNumber	String	No
IsInPatient	Boolean, Default value is <code>False</code>	No
PatientId1	25 Characters, String	Yes
PatientId2	25 Characters, String	No
PatientLocation	String	No
PatientState	String	No
PatientStatus	String  Note: Refer applicable value(s) from GetLookupListRequest on page 76 with LookUpType PATIENT_STATUS.	YES
PostalCode	String	No
PregnancyStatus	String	No
Race	String  Note: Refer applicable value(s) from GetLookupListRequest on page 76 with LookUpType RACE.	No

Attribute Name	Datatype	Is Mandatory
Religion	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType RELIGION.	No
RetirementDate	String, ISO 8601 format	No
RetirementNote	String	No
RetirementReason	String	No
StateOrProvince	String	No
SSN	64 Characters, String	No
Sex	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType SEX.	No
SmokingStatus	String  Note: Refer applicable value(s) from GetLookUpListRequest on page 76 with LookUpType SMOKING_STATUS.	No
TimeStamp	String	Yes, if IsTimeStampCheckRequired is True
TransportName	String	No
TransportPhone-Number	String	No
UniversalPatientId	32 Characters, String	No
WorkPhoneNumber	String	No
UserDefinedAttribute1	String	No
UserDefinedAttribute2	String	No
UserDefinedAttribute3	String	No

Attribute Name	Datatype	Is Mandatory
UserDefinedAttribute4	String	No
UserDefinedAttribute5	String	No
UserDefinedAttribute6	String	No
UserDefinedAttribute7	String	No
UserDefinedAttribute8	String	No
UserDefinedAttribute9	String	No
UserDefinedAttribute10	String	No
UserDefinedAttribute11	String	No
UserDefinedAttribute12	String	No
UserDefinedAttribute13	String	No
UserDefinedAttribute14	String	No
UserDefinedAttribute15	String	No
UserDefinedAttribute16	String	No
PatientNames	List<PatientName>	No
>LastName	64 Characters, String	No
>FirstName	64 Characters, String	No
>MiddleName	String	No
>NameSuffix	String	No
>Honorific	String	No
>NameType	String	No
>NameRepresentationCode	String	No
>NameSelectedForDisplay	WholeNumber	No



Note: Not passing any of the non-mandatory parameters in Update Web Services retains the already existing values in ARIA.

Assumptions and Conditions

The following are the assumptions and conditions to call a web service.

- If a Patient with `PatientID1` being passed in is not found in ARIA, then an error is returned.
- If `TimeStamp` is not provided and `IsCheckTimeStamp` is not `False`, then an error is returned.
- If the value for `PatientStatus` is passed in and it does not match one of the pre-configured values in ARIA, then an error is returned.
- If `MaritalStatus` is passed in and this value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `Race` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- `HospitalName` passed in returns an error, if it has the following:
 - The value passed does not match one of the pre-configured values in ARIA.
 - The value passed matches a hospital that is not Active.
- If `DepartmentName` is passed in with the following conditions, then an error is returned:
 - The value does not match one of the pre-configured values in ARIA in the hospital that is passed in or the last hospital created in ARIA that is Active.
 - The value passed matches a department that is not Active.
- If `DepartmentName` is not passed in, then the patient shall be associated with the last Active department created in the hospital that is passed in or the last hospital created in ARIA that is Active. If no such department is found, an error is returned.
- If `InStartDate (Admission Date)` is passed in and it is a future date, that is, greater than current date, then an error is returned.
- If `PatientCategory` is set to `OutPatient`, then `PatientLocation`, `InStartDate`, and `InProjectedEndDate` are not present in the request. If any of these is present, then an error is returned.
- If `PatientCategory` is changed from `InPatient` to `OutPatient`, then the `InEndDate` is present. If it is missing, then an error is returned.
- If `PatientCategory` is changed from `InPatient` to `OutPatient`, then `InEndDate` is not in future (greater than the current date) and less than the `InStartDate (Admission Date)`. If this is not so, then an error is returned.
- If `PatientCategory` is set to `InPatient`, then `PatientLocation`, and `InStartDate` is present in the request and `InEndDate` is present in the request. If this is not so, then an error is returned.
- If `NewPatientId1` passed in is not unique, then an error is returned.
- If `BirthCountry` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.

- If `Religion` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `SSN` is passed in is not unique in ARIA, then an error is returned.
- If `TimeStamp` provided is invalid, then an error is returned.
- If `Sex` parameter is passed in and the value does not match the pre-configured value in ARIA, then an error is returned.
- If `Country` parameter is passed in and the value passed does not match the pre-configured value in ARIA, then an error is returned.
- If `SmokingStatus` is passed in and the value passed does not match one of the pre-configured values in ARIA, then an error is returned to the caller.
- If `DeathDate` is being passed in as a future date, that is, greater than current date, then an error is returned.
- If Multiple Patient Names are given, perform the following validations:
 - One Name must have `NameSelectedForDisplay` as 1.
 - `LastName` is mandatory for Name with `NameSelectedForDisplay` as 1.
 - Values of `NameSelectedForDisplay` should be unique and must be in a sequential manner.
 - Maximum six (6) names are allowed.
- If the `NameRepresentationCode` is passed in and the value passed does not match one of the pre-configured values, then an error is returned to the caller.

Error Messages

You may encounter the following possible error messages.

- Last Name is mandatory field.
- Patient ID is mandatory field.
- Hospital Name is mandatory field.
- Patient Status is mandatory field.
- Patient's record is not found.
- For updates, data was modified by another source.
- Inactive department ID.
- The hospital name provided is not an active hospital.
- Invalid patient category (must be 0 or 1).
- The start date is not valid.
- The end date is not valid.
- The date is not valid.
- Invalid department ID.
- For updates, specified hospital name not associated with existing record.
- Patient with specified ID1 already exists.
- Social Security Number is not unique.
- Patient status value invalid (valid value names in DataAdministration).
- `NewPatientID1` length cannot be greater than 25.

- More than 8000 records present but only 8000 gets returned due to Maximum transmission limit.
- Patient name display order, that is, “Name Selected For Display” is not valid. It should be in sequence of 1, 2, 3...
- Root name should be present in multiple patient names collection.
- Maximum 6 names are allowed in multiple patient names collection.
- Name type is not valid.
- Atleast one patient name must have “Name Selected For Display” value 1.
- End date is mandatory field.
- Either First name or Last name should be given in patient names collection.
- When setting Patient to be InPatient - Location and Start Date should not be null, End Date should be null.
- When setting to be OutPatient - End Date should not be null.
- End Date is not valid. It should not be future date and should be greater that Start Date.

GetPatientsRequest

`GetPatientsRequest` web service allows you to get information corresponding to a patient in ARIA®. The following attributes are available as **Request** and **Response** for each patient in ARIA.

Refer, [GetPatientsRequest - Examples](#) on page 97 for XML and JSON examples.

Table 3: Request Details

Attribute Name	Datatype	Is Mandatory
LastName	String	No
FirstName	String	No
PatientID1	String	No
PatientID2	String	No
MatchingCriteria	String, Possible Values: ExactMatchOnAll, ExactMatchOnPatientID1, LikeMatchOnAll(Default)	No
IsMultipleNamesRequired	Boolean	No

Table 4: Response Details

Parameter Name	Return Datatype and Format
AddressLine1	String
AddressLine2	String
AutopsyOutcome	String

Parameter Name	Return Datatype and Format
AutopsyStatus	String
BirthCity	String
BirthCountry	String
BirthCountry	String
BirthState	String
BirthDate	String
BloodGroup	String
Citizenship	String
CityorTownship	String
ContrastAllergies	String
Country	String
Country	String
DeathCause	String
DeathDate	String, ISO 8601 format
FirstName	String
HomePhoneNumber	String
Honorific	String
HospitalName	String
InEndDate	String, ISO 8601 format
InProjectedEndDate	String, ISO 8601 format
InStartDate	String, ISO 8601 format
LastMenstrualDate	String, ISO 8601 format
LastName	String
MaidenName	String
MaritalStatus	String
MedRecordLocator	String
MedicalAlerts	String
MiddleName	String
MothersMaidenName	String
NameSuffix	String
Occupation	String
PassportNumber	String

Parameter Name	Return Datatype and Format
IsInPatient	Boolean (check the value)
PatientID1	String
PatientID2	String
PatientLocation	String
PatientState	String
PatientStatus	String
PostalCode	String
PregnancyStatus	String
Race	String
Religion	String
RetirementDate	String, ISO 8601 format
RetirementNote	String
RetirementReason	String
StateOrProvince	String
SSN	String
Sex	String
SmokingStatus	String
TimeStamp	String
TransportName	String
TransportPhoneNumber	String
UniversalPatiendId	String
WorkPhoneNumber	String
UserDefinedAttribute1	String
UserDefinedAttribute2	String
UserDefinedAttribute3	String
UserDefinedAttribute4	String
UserDefinedAttribute5	String
UserDefinedAttribute6	String
UserDefinedAttribute7	String
UserDefinedAttribute8	String
UserDefinedAttribute9	String
UserDefinedAttribute10	String

Parameter Name	Return Datatype and Format
UserDefinedAttribute11	String
UserDefinedAttribute12	String
UserDefinedAttribute13	String
UserDefinedAttribute14	String
UserDefinedAttribute15	String
UserDefinedAttribute16	String
Warning	String
>LastName	String
>FirstName	String
>MiddleName	String
>NameSuffix	String
>Honorific	String
>NameType	String
>NameRepresentationCode	String
>NameSelectedForDisplay	WholeNumber

Assumptions and Conditions

The following are the assumptions and conditions to call a web service.

- Atleast one parameter from `LastName`, `FirstName`, `PatientID1` and `PatientID2` must be specified in case **Matching Criteria** is set to `LikeMatchOnAll` (a default value for Matching Criteria).
- The `AddressLine1`, `AddressLine2`, `CityorTownShip`, `StateOrProvince`, `PostalCode`, `County`, and `Country` parameters shall only be provided for the **Home Address** defined in ARIA.
- The `TransportName` and `TransportPhoneNumber` parameters shall only be provided for the **Primary Transport** defined for the patient in ARIA.
- Number of Patients in response are constrained due to limit on buffer size for the return in response. Hence, if `GetPatients` query finds more than 8000 records in response, it will return only 8000 records along with warning message indicating that there are more than 8000 records.

Multiple Patient Names Support

ARIA Access supports patient creation with multiple names through a web service based interface. This can be potentially used by ARIA customers having HIS connectivity through a HIS adapter (MDIS) for inserting Japanese multiple patient names directly into ARIA.

This impacts the `CreatePatientRequest` and `UpdatePatientRequest` web services.


Resource Handling

CreateDoctorRequest

CreateDoctorRequest web service allows you to create a doctor in ARIA. The following attributes are available as **Request** for a doctor in ARIA.

Refer, [CreateDoctorRequest - Examples](#) on page 98 for XML and JSON example.

Table 5: CreateDoctorRequest Details

Attribute Name	Datatype	Is
AddressComment	String	No
AddressLine1	String	No
AddressLine2	String	No
AddressLine3	String	No
DisplayName	String	Yes
AreaName	String, Default value is AWC:CreateDoctor if not provided by the client.  Note: This value is used for tracking purpose. Therefore, it should always be provided and contain a value that helps identifying who created the record in ARIA.	No
BillingServiceID	16 Characters, String	No
CityOrTownship	String	No
Comment	String	No
Country	String	No
County	String	No
DoctorId	16 Characters, String	Yes
FaxNumber	String	No
FirstName	String	Yes
Honorific	String	No
Institution	String	No

Attribute Name	Datatype	Is
IsOncologist	String	Yes
LastName	String	Yes
Location	String	No
MiddleName	String	No
NameSuffix	String	No
OriginationDate	String, ISO 8601 format	Yes
PhoneNumber1	String	No
PhoneNumber2	String	No
POCName	String	No
PostalCode	String	No
Specialty	String	Yes
StateOrProvince	String	No
TerminationDate	String, ISO 8601 format	No

Assumptions and Conditions

The following are the assumptions and conditions to call a web service.

- The **Address** field values (AddressLine1, AddressLine2, AddressLine3, CityOrTownship, Country, County, FaxNumber, OriginationDate, PhoneNumber1, PhoneNumber2, PostalCode, StateOrProvince, and TerminationDate) if passed in, are stored as Address Type “Office”.
- The following attribute conditions returned by the web service may result in error:
 - If `DoctorID` passed in is not unique in ARIA.
 - If `DisplayName` passed in is not unique in ARIA.
 - If `BillingServiceID` passed is not defined in ARIA.
 - If `Country` passed is not one of the defined values in ARIA.

Error Messages

You may encounter the following possible error messages.

- Doctor ID is mandatory field.
- First Name is mandatory field.
- Last Name is mandatory field.
- Display Name is mandatory field.
- Oncologist flag is mandatory field.
- Origination Date is mandatory field.
- Billing service not found based on specified ID.
- Display name already exists.

- Doctor ID already exists.
- Country not valid.
- Specified Date Format is not valid for OriginationDate, expected format is “yyyy-MM-dd”.
- Specified Date format is not valid for TerminationDate, expected format is “yyyy-MM-dd”.
- DoctorId length can not be greater than 16.
- BillingServiceID length can not be greater than 16.

GetDoctorsInfoRequest

GetDoctorsInfoRequest web service allows you to get information about the doctor in ARIA. The following attributes are available as **Request** and **Response** for each doctor found in ARIA.

Refer, [GetDoctorsInfoRequest - Examples](#) on page 102 for XML and JSON example.

Table 6: Request Details

Attribute Name	Datatype	Is Mandatory
DoctorID	String	No
DepartmentID	String	No

Table 7: Response Details

Attribute Name	Datatype
AddressLine1	String
AddressLine2	String
AddressLine3	String
CityOrTownship	String
Country	String
County	String
DepartmentId	String
DoctorId	String
EmailAddress	String
FaxNumber	String
FirstName	String
Honorific	String
Institution	String
LastName	String

Attribute Name	Datatype
MiddleName	String
NameSuffix	String
PhoneNumber1	String
PhoneNumber2	String
PostalCode	String
Specialty	String
StateOrProvince	String
TerminationDate	String, ISO 8601 format
IsActive	Boolean

Assumptions and Conditions

The following are the assumptions and conditions to call a web service.


- All matching doctors data is returned that have `DoctorID` and `DepartmentID` beginning with query parameters strings passed in for `DoctorID` and `DepartmentID`. The matching follows a case-insensitive format.
- If no request parameters are specified, then the web service returns information of all the doctors in ARIA DB.

AssignDoctorToPatientRequest

`AssignDoctorToPatientRequest` web service allows you to assign a doctor to an existing patient in ARIA. The following attributes can be provided as input in the **Request**.

Refer, [AssignDoctorToPatientRequest - Examples](#) on page 102 for XML and JSON example.

Table 8: Request Details

Attribute Name	Datatype	Is Mandatory
AreaName	String, Default value is AWC:AssignDoctorToPatient if not provided by the client.  Note: This value is used for tracking purpose. Therefore, it should always be provided and contain a value that helps identifying who created the record in ARIA.	No
Comment	String	No
DoctorID	16 Characters, String	Yes
IsOncologist	Boolean	Yes
IsPrimary	Boolean	Yes
PatientID	25 Characters, String	Yes

Assumptions and Conditions

The following are the assumptions and conditions to call a web service.

- If Patient with `PatientID` being passed in is not found in ARIA, then an error is returned.
- If Patient with `PatientID` being passed in is not an `ActivePatient` in ARIA, then an error is returned.
- If Doctor with `DoctorID` being passed in is not found in ARIA, then an error is returned.
- If `IsOncologist` flag passed in is `True` and the Doctor being passed in is not an Oncologist in ARIA, then an error is returned.
- If `IsOncologist` flag passed in is `False` and the Doctor being passed in is an Oncologist in ARIA, then an error is returned.
- If Doctor with `DoctorID` is already assigned to the Patient with `PatientID` in ARIA, then an error is returned.
- If the Doctor being assigned to the patient is both an `Oncologist` and `Primary`, then any other Oncologist assigned to the patient as a `Primary` is updated to non-primary.
- If the Doctor being assigned to the patient is both a `ReferringPhysician` and `Primary`, then any other Referring Physician assigned to the patient as a `Primary` is updated to non-primary.

Error Messages

You may encounter the following possible error messages.


- Patient Id is mandatory field.
- Doctor Id is mandatory field.
- Primary Flag is mandatory field.
- Oncologist Flag is mandatory field.
- No Patient Record exists for patient with specified ID1.
- Patient associated with specified ID1 is not active.
- One or more required parameter missing.
- Oncologist associated with specified doctor ID is not active, or not designated as an oncologist.
- Key data (PatientID1+PhysicianID) already exists.
- Patient must have a primary oncologist before a non-primary oncologist can be designated.
- Specified doctor ID is an inactive physician or not a referring physician.
- The referring physician record designated as primary must exist before a non-primary referring physician record can be created. Checked during insets.
- DoctorId length can not be greater than 16.
- PatientId length can not be greater than 25.

UpdateDoctorAssignedToPatientRequest

`UpdateDoctorAssignedToPatientRequest` web service allows you to update the assigned doctor for a patient in ARIA. The following attributes can be provided as input in the **Request**.

Refer, [UpdateDoctorAssignedToPatientRequest - Examples](#) on page 103 for XML and JSON example.

Table 9: Request Details

Attribute Name	Datatype	Is Mandatory
AreaName	String, Default value is AWC:UpdateDoctorToPatient if not provided by the client.  Note: This value is used for tracking purpose. Therefore, it should always be provided and contain a value that helps identifying who created the record in ARIA.	No
Comment	String	No
DoctorID	16 Characters, String	Yes
IsOncologist	Boolean	Yes
IsPrimary	Boolean	Yes
IsTimeStampCheckRequired	Boolean. Default value is True	No
PatientID	25 Characters, String	Yes
TimeStamp	String	Yes, if <code>IsTimeStampCheckRequired</code> is set to True



Note: Not passing any of the non-mandatory parameters in Update Web Services retains the already existing values in ARIA.

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- If Patient with `PatientID` passed in is not found in ARIA, then an error is returned.
- If Patient with `PatientID` passed in is not an `ActivePatient` in ARIA, then an error is returned.
- If Doctor with `DoctorID` passed in is not found in ARIA, then an error is returned.
- If `IsOncologist` flag passed in is `True` and the Doctor passed in is not an Oncologist in ARIA, then an error is returned.
- If the `IsOncologist` flag passed in is `False` and the Doctor being passed in is an Oncologist in ARIA, then an error is returned.
- If `TimeStamp` is not provided and `IsCheckTimeStamp` is not `False`, then an error is returned.

- If `TimeStamp` provided is not valid, then an error is returned.
- If the doctor being updated for the patient is both an Oncologist and Primary, then any other Oncologist assigned to the patient as a Primary is updated to non-primary.
- If the doctor being updated for the patient is both a Referring Physician and Primary, then any other Referring Physician assigned to the patient as a Primary is updated to non-primary.

Error Messages

You may encounter the following possible error messages.

- Patient Id is mandatory field.
- Doctor Id is mandatory field.
- Primary Flag Id is mandatory field.
- Oncologist Flag is mandatory field.
- TimeStamp is mandatory field.
- No Patient Record exists for patient with specified ID1.
- Patient associated with specified ID1 not active.
- One or more required parameter missing.
- Oncologist associated with specified doctor ID is not active, or not designated as an oncologist.
- Key data (PatientID1+PhysicianID) already exists.
- Patient must have a primary oncologist before a non-primary referring physician can be created. Checked during inserts.
- For updates, data was modified by another source.
- The keydata (PatientID1+PhysicianID) is not valid during an update.
- The keydata (PatientID1+Referring PhysicianID) is not valid during an update.
- Specified doctor Id is not associated with specified Patient ID.

GetDoctorsAssignedToPatientRequest

`GetDoctorsAssignedToPatientRequest` web service allows you to get a doctor assigned to a patient in ARIA. The following attributes can be provided as input in the **Request** and returned as a **Response** for each doctor assigned to a patient.

Refer, [GetDoctorsAssignedToPatientRequest - Examples](#) on page 105 for XML and JSON example.

Table 10: Request Details

Attribute Name	Datatype	Is Mandatory
IsOncologist	Boolean	Yes
PatientID	String	Yes

Table 11: Response Details

Attribute Name	Return Datatype and Format
Comment	String
DoctorID	String
IsOncologist	Boolean
IsPrimary	Boolean
PatientID	String
TimeStamp	String

Assumptions and Conditions

The following are the assumptions and conditions to call a web service.

- If the Patient with `PatientID` passed in is not found in ARIA, then an error is returned.
- If the Patient with `PatientID` passed in is not an `ActivePatient` in ARIA, then an error is returned.
- If the `IsOncologist` flag passed in is `True`, then only Oncologists assigned to the patient are returned. If the flag is `False`, then the Referring Physicians assigned to the patient are returned.

GetMachineListRequest

`GetMachineListRequest` web service allows you to get all Photon treatment machines configured in ARIA.

No attributes are required to be sent as a query in the Request. The following attributes are returned as a **Response** for each patient appointment in ARIA.

Refer, [GetMachineListRequest - Examples](#) on page 105 for XML and JSON example.

Table 12: Request Details

Attribute Name	Return Datatype and Format
MachineId	String
MachineType	String

Patient Diagnosis Handling

Access Rights

For Patient Diagnosis handling, a user must have **Full Access to Diagnosis and Staging** and **Import/Export Data** Rights.



CreatePatientDiagnosisRequest

CreatePatientDiagnosisRequest web service allows you to create diagnosis for a patient in ARIA.



Refer, [CreatePatientDiagnosisRequest - Examples](#) on page 106 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 13: Request Details

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
AreaName	String	No
BehaviorCode	String	No
ClinicalDescription	String	Yes
DiagnosisDate	String, ISO 8601 format	No
DiagnosisDetails	String	No
DiagnosisMethodDescription	String	No
DiagnosisMethodId	Whole Number  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUp-Type DIAGNOSIS_METHOD.	No
DiagnosisSiteId	Whole Number  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUp-Type DIAGNOSIS_SITE.	No

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
ErrorReasonDescription	String	No
EvolvedDate	String, ISO 8601 format	No
EvolvedFromPatient-DiagnosisId	WholeNumber	No
DiagnosisCode	String  Note: Refer applicable value(s) from GetDiagnosisLookUpListRequest on page 76 with LookUp-Type DIAGNOSIS_CODE.	Yes
DiagnosisCodeDescription	String	No
DiagnosisScheme	WholeNumber  Note: Refer applicable value(s) from GetDiagnosisLookUpListRequest on page 76 with LookUp-Type DIAGNOSIS_SCHEME.	Yes
IsAdverseEvent	Boolean	No
IsConfirmed	Boolean	No
IsHistoric	Boolean	No
IsICDCodeReported	Boolean	No
IsMetastasized	String	No
IsValidEntry	Boolean	No
PatientDiagnosisId	WholeNumber	No
PatientId	String	Yes
PrimaryCancerSiteId	WholeNumber	No
PrimaryPatientDiagnosisId	WholeNumber	No
Ranking	String	No
DiagnosisStatusDate	String, ISO 8601 format	No
DiagnosisStatusId	WholeNumber	No
Stage	List<CancerStage>	No

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
>BasisCode	String	No
>CancerStageCode	String	No
>CancerStageId	WholeNumber	No
>DateStaged	String, ISO 8601 format	No
>ErrorReasonDescription	String	No
>IsApproved	Boolean	No
>IsValidEntry	Boolean	No
>IsWorkingStage	Boolean	No
>Schemeld	WholeNumber  Note: Refer applicable value(s) from GetDiagnosisLookUpListRequest on page 76 with LookUp-Type DIAGNOSIS_SCHEME.	No
>StageTimingId	WholeNumber  Note: Refer applicable value(s) from GetDiagnosisLookUpListRequest on page 76 with LookUp-Type STAGING_TIMINGS.	No
>StagingCriteria	List<StagingCriteria>	No
>CriteriaCode	String	No
>HeaderCode	String	Yes
>IsValidEntry	Boolean	No

Possible Error Conditions

The web service returns an error due to the following conditions:



- If `PatientId` is not valid.
- If `DiagnosisCode` is not valid.
- If `DiagnosisStatus` is not valid.
- If `DiagnosisId` is not valid.



UpdatePatientDiagnosisRequest



UpdatePatientDiagnosisRequest web service allows you to update a diagnosis for a patient in ARIA. The following attributes can be provided as an input for the Request.

Refer, [UpdatePatientDiagnosisRequest - Examples](#) on page 111 for XML and JSON example.

Table 14: Request Details

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
AreaName	String	No
BehaviorCode	String	No
ClinicalDescription	String	Yes
DiagnosisDate	String, ISO 8601 format	No
DiagnosisDetails	String	No
DiagnosisMethodDescription	String	No
DiagnosisMethodId	Whole Number  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUpType DIAGNOSIS_METHOD.	No
DiagnosisSiteId	Whole Number  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUpType DIAGNOSIS_SITE.	No
ErrorReasonDescription	String	No
EvolvedDate	String, ISO 8601 format	No
EvolvedFromPatient-DiagnosisId	WholeNumber	No

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
DiagnosisCode	String  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUpType DIAGNOSIS_CODE.	Yes
DiagnosisCodeDescription	String	No
DiagnosisScheme	Whole Number  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUpType DIAGNOSIS_SCHEME.	Yes
IsAdverseEvent	Boolean	No
IsConfirmed	Boolean	No
IsHistortic	Boolean	No
IsICDCodeReported	Boolean	No
IsMetastasized	String	No
IsValidEntry	String	No
PatientDiagnosisId	WholeNumber	No
PatientId	String	Yes
PrimaryCancerSiteId	WholeNumber	No
PrimaryPatientDiagnosisId	WholeNumber	No
Ranking	String	No
DiagnosisStatusDate	String, ISO 8601 format	No
DiagnosisStatusId	WholeNumber	No
Staging	List<CancerStage>	No
>BasisCode	String	No
>CancerStageCode	String	No
>DateStageId	String, ISO 9601 format	No
>ErrorReasonDescription	String	No

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
>IsApproved	Boolean	No
>IsValidEntry	Boolean	No
>IsWorkingStage	Boolean	No
>Schemeld	WholeNumber  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUpType DIAGNOSIS_SCHEME.	No
>StageTimingId	WholeNumber  Note: Refer applicable value(s) from GetDiagnosisLookupListRequest on page 76 with LookUpType STAGING_TIMINGS.	No
>StagingCriteria	List<StagingCriteria>	No
>>CriteriaCode	String	No
>>HeaderCode	String	No
>>IsValidEntry	Boolean	No

Possible Error Conditions

The web service returns an error due to the following conditions:

- If `PatientId` is not valid.
- If `DiagnosisCode` is not valid.
- If `DiagnosisStatus` is not valid.
- If `DiagnosisId` is not valid.

GetPatientDiagnosesRequest

`GetPatientDiagnosesRequest` web service allows you to get all diagnosis for a patient in ARIA. The following attributes can be provided as an input for the Request.

Refer, [GetPatientDiagnosesRequest - Examples](#) on page 117 for XML and JSON example.

Table 15: Request Details

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
PatientId	String	Yes
PatientDiagnosisId	WholeNumber	No

The following attributes are returned as Response for each patient diagnosis in ARIA.

Table 16: Request Details

Attribute Name	Return Datatype and Format
AreaName	String
BehaviorCode	String
ClinicalDescription	String
DiagnosisDate	String, ISO 8601 format
DiagnosisDetails	String
DiagnosisMethodDescription	String
DiagnosisMethodId	WholeNumber
DiagnosisSiteId	WholeNumber
ErrorReasonDescription	String
EvolvedDate	String, ISO 8601 format
EvolvedFromPatientDiagnosisId	WholeNumber
DiagnosisCode	String
DiagnosisCodeDescription	String
DiagnosisScheme	WholeNumber
IsAdverseEvent	Boolean
IsConfirmed	Boolean
IsHistoric	Boolean
IsICDCodeReported	Boolean
IsMetastasized	String
IsValidEntry	Boolean
PatientDiagnosisId	WholeNumber
PatientId	String
PrimaryCancerSiteId	WholeNumber
PrimaryPatientDiagnosisId	WholeNumber
Ranking	String

Attribute Name	Return Datatype and Format
DiagnosisStatusDate	String, ISO 8601 format
DiagnosisStatusId	WholeNumber
Staging	List<CancerStage>
>BasisCode	String
>CancerStageCode	String
>CancerStageId	WholeNumber
>DateStaged	String, ISO 8601 format
>ErrorReasonDescription	String
>IsApproved	Boolean
>IsValidEntry	Boolean
>IsWorkingStage	Boolean
>Schemeld	WholeNumber
>StageTimingId	WholeNumber
>StagingCriteria	List<StagingCriteria>
>>CriteriaCode	String
>>IsValidEntry	String
>>HeaderCode	Boolean

Appointment Handling

CreateMachineAppointmentRequest

CreateMachineAppointmentRequest web services allows you to create a patient appointment for treatment on a particular Treatment machine. The following attributes can be provided as an input for the Request.

Refer, [CreateMachineAppointmentRequest - Examples](#) on page 117 for XML and JSON example.

Table 17: Request Details

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
ActivityName	64 Characters, String	Yes
ActivityNote	String	No
ActivityStatus	String. Default value is Open.	No
AreaName	<div>String. Default value is AWC:CreateMachineAppointment, if not provided by the client.</div> <div> Note: This value is used for tracking purpose. Therefore, it should always be provided and contain a value that helps identifying who created the record in ARIA.</div>	No
AssociatedResources	List<Resource>	No
>ResourceId	String	Yes
>ResourceType	String	Yes
DepartmentName	64 Characters, String	Yes
EndTime	String, ISO 8601 format	No
HospitalName	64 Characters, String	Yes
StartTime	String, ISO 8601 format	Yes
PatientId	25 Characters, String	Yes

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
MachineId	16 Characters, String	Yes
ResourceType	String	No

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- If `ActivityStatus` is not passed in, then it is created with a default status of "Open".
- If `EndTime` is not passed in, then it is created with a default value of `StartTime + Default Duration` for the activity.
- Attribute `MachineId` value will be interpreted as Machine/Doctor/Staff or other resource based on the type defined in the `ResourceType` attribute.
- Possible values for `ResourceType` are:
 - Machine
 - Auxiliary
 - Doctor
 - Staff
 - Simulator
 - Accelerator
 - Venue

If value is not provided then by default, Machine is selected.

Error Messages

You may encounter the following possible error messages.

- Department Name is mandatory field.
- Hospital Name is mandatory field.
- Resource/Machine Id is mandatory field.
- Patient Id is mandatory field.
- Activity name is mandatory field.
- Exclusive flag is mandatory field.
- Start date is mandatory field.
- No schedule activity with specified activity name.
- Activity category for specified schedulable activity not associated to resource type of specified resource.
- Information for associated resources not valid.
- No Department Record with specified hospital name and department name.
- Machine has exclusive activity already scheduled at specified date and time.
- Venue of this machine for specified date and time has activity already scheduled for another machine.

- Cannot have more than 50 associated resources in the `CreateOrUpdateMachineAppointmentRequest`.
- More than one matching machine appointments found for the same patient.
- Associated resource quantity exceeds 50.
- Patient already scheduled for another activity around specified date and time.
- Patient associated with specified ID1 is not active.
- No patient record exists for patient with specified ID1.
- Specified machine ID not assigned to specified department.
- Primary or associated resource not available for specified date and time.
- No resource with specified resource ID.
- Value for scheduled activity status not valid.
- IsExclusive flag is mandatory field.
- Specified Resource/Associated resource id not assigned to specified department.
- Appointment duration should be greater than a minute.
- Resource is not unique.
- Start and End date time must be up to minute level granularity.

UpdateMachineAppointmentRequest

`UpdateMachineAppointmentRequest` web services allows you to update a patient appointment for treatment on a particular Treatment machine. The following attributes can be provided as an input for the Request.

Refer, [UpdateMachineAppointmentRequest - Examples](#) on page 119 for XML and JSON example.

Table 18: Request Details

Attribute Name	Limitation, Conditions, and Format	Is Mandatory
ActivityName	64 Characters, String	Yes
ActivityNote	String	No
ActivityStatus	String	No

Attribute Name	Limitation, Conditions, and Format	Is Mandatory
AreaName	String. Default value is AWC:UpdateMachineAppointment , if not provided by the client.  Note: This value is used for tracking purpose. Therefore, it should always be provided and contain a value that helps identifying who created the record in ARIA.	No
AssociatedResources	List<Resources>	No
>ResourceId	String	Yes
>ResourceType	String	Yes
DepartmentName	64 Characters, String	Yes
EndTime	String, ISO8601 format	No
HospitalName	64 Characters, String	Yes
IsTimeStampCheckRequired	Boolean. Default value is <code>True</code> .	No
NewEndTime	String, ISO 8601 format	No
NewStartTime	String, ISO 8601 format	No
StartTime	String, ISO 8601 format	Yes
PatientId	25 Characters, String	Yes
MachineId	16 Characters, String	Yes
TimeStamp	String	Yes, if <code>IsTimeStampCheckRequired</code> is set to <code>True</code> .
ResourceType	String	No



Note: Not passing any of the non-mandatory parameters in Update Web Services retains the already existing values in ARIA.

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- If `ActivityStatus` is updated as `Null`, then it is updated with a default status of `Open`.
- If the `EndTime` is not passed in, then it is created with a default value of `StartTime + Default Duration` for the activity.
- If `NewStartTime` is passed in and `NewEndTime` is not passed in, then `NewEndTime` is created with a default value of `NewStartTime + Duration` that was initially set when the appointment was created initially.
- Attribute `MachineId` value will be interpreted as `Machine/Doctor/Staff` or other resource based on the type defined in the `ResourceType` attribute.
- Possible values for `ResourceType` are:
 - Machine
 - Auxiliary
 - Doctor
 - Staff
 - Simulator
 - Accelerator
 - Venue

If value is not provided then by default, Machine is selected.

Error Messages

You may encounter the following possible error messages.

- Department Name is mandatory field.
- Hospital Name is mandatory field.
- Resource/Machine Id is mandatory field.
- Patient Id is mandatory field.
- Activity name is mandatory field.
- Exclusive flag is mandatory field.
- Start Date is mandatory field.
- New Start Date is mandatory field.
- No schedule activity with specified activity name.
- Activity category for specified schedulable activity not associated to resource type of specified resource.
- Information for associated resources not valid.
- No Department Record with specified hospital name and department name.
- Machine has exclusive activity already scheduled at specified date and time.
- Venue of this machine for specified date and time has activity already scheduled for another machine.
- Cannot have more than 50 associated resources in the `CreateOrUpdateMachineAppointmentRequest`.

- Could not find any matching machine appointments found for the same patient.
- More than one matching machine appointments found for the same patient.
- Associated resource quantity exceed 50.
- Patient already scheduled for another activity around specified date and time.
- Patient associated with specified ID1 not active.
- No Patient Record exists for patient with specified ID1.
- Specified machine ID not assigned to specified department.
- Primary or associated resource not available for specified date and time.
- No resource with specified resource ID.
- Value for scheduled activity status not valid.
- In event of update, no scheduled activity with specified input data.
- For updates, data was modified by another resource.
- IsExclusive Flag is mandatory field.
- Resource Id is mandatory field.
- ResourceType is mandatory field.
- Appointment duration should be greater than a minute.
- Resource is not unique.

GetMachineAppointmentsRequest

GetMachineAppointmentsRequest web services allows you to get all machine appointments for treatment on a particular treatment service.

Refer, [GetMachineAppointmentsRequest - Examples](#) on page 121 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 19: Request Details

Attribute Name	Limitations, Conditions, and Format	Is Mandatory
DepartmentName	String	Yes
EndDateTime	String, ISO 8601 format	No
HospitalName	String	Yes
MachineId	String	Yes
StartDateTime	String, ISO 8601 format	No
ResourceType	String	No

The following attributes are returned in Response for each machine appointment found in ARIA.

Table 20: Response Details

Attribute Name	Return Datatype and Format
ActivityName	String
ActivityNote	String
ActivityStatus	String
DepartmentName	String
HospitalName	String
IsExclusive	Boolean
IsPrimary	Boolean
MachineId	String
PatientId	String
ScheduledEndTime	String, ISO 8601 format
ScheduledStartTime	String, ISO 8601 format
TimeStamp	String
String	UID
AssociatedResources	List<Resource>
>ResourceType	String
>ResourceId	String
ResourceType	String

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- Only Active appointments matching the Hospital/Department/MachineId are returned in the result. Active appointments are appointments that are not marked as Deleted and are not Waitlisted.
- The following requirements are considered for DateTime:
 - If both `StartDateTime` and `EndDateTime` are specified, then all the Active appointments with `DateTime` greater than the `StartDateTime` and less than `EndDateTime` show up in the result.
 - If only `StartDateTime` is specified, then all active appointments with `DateTime` greater than the `StartDateTime` shall be given in the result.
 - If only the `EndDateTime` is specified then all the Active appointments with `DateTime` less than the `EndDateTime` shall be given in the result.
 - If both the `StartDateTime` and `EndDateTime` are not specified then the `DateTime` associated with the appointments are not considered for evaluating the eligible appointments.
 - Attribute `MachineId` value will be interpreted as Machine/Doctor/Staff or other resource based on the type defined in the `ResourceType` attribute.

- Possible values for `ResourceType` are:
 - Machine
 - Auxiliary
 - Doctor
 - Staff
 - Simulator
 - Accelerator
 - Venue

If value is not provided then by default, Machine is selected.

Error Messages

You may encounter the following possible error messages.

- Department Name is mandatory field.
- Hospital Name is mandatory field.
- Resource/Machine Id is mandatory field.
- Start date and time greater than end date and time.
- No Department Record with specified hospital name and department name.
- Specified hospital name is invalid.
- No resources with specified resource ID.

Billing Data Handling

AcknowledgeBillingInfoReceivedRequest

`AcknowledgeBillingInfoReceivedRequest` web service allows you to acknowledge a charge or credit in ARIA that has been previously retrieved through `GetBillingInfo` web service. The following attributes can be provided as an input for the Request.

Refer, [AcknowledgeBillingInfoReceivedRequest - Examples](#) on page 122 for XML and JSON example.

Table 21: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Mandatory
ExportAcknowledgeDate	String, ISO 8601 format	Yes
TSA Serial Number	WholeNumber	Yes

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- Acknowledgment of credits is only allowed for credits that are still active in ARIA for the patient (for example, not marked as Deleted).

Error Messages

The following are the possible error messages:

- TSA Serial Number Id is mandatory field.
- Export Acknowledge date is mandatory field.
- TSA serial number is not valid.
- Export Acknowledge date is not valid.
- Specified Date format is not valid for `ExportAcknowledgeDate`. Expected format is "yyyy-mm-dd".

GetBillingInfoRequest

`GetBillingInfoRequest` web service allows you to get all charge record data from ARIA to the hospital.

The following attributes can be provided as an input for the Request.

Refer, [GetBillingInfoRequest - Examples](#) on page 123 for XML and JSON example.

Table 22: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Mandatory
EndDate	String, ISO 8601 format	Yes
HospitalName	String	Yes
ReturnAllCharges	Boolean. Default is <code>False</code> .	No
StartDate	String, ISO 8601 format	Yes
SortMode	WholeNumber, Default value is 1	No

The following attributes are returned in Response for each charge or credit found in ARIA.

Table 23: Response Details

Attribute Name	Return Datatype and Format
AccountBillingCodeRevCount	WholeNumber
AccountBillingCodeSeries	WholeNumber
ActivityCode	WholeNumber
ActivityDescription	String
ActivitySerialNumber	WholeNumber
ActivityType	String
ApprovedBy	String
AuthorizationDescription1	String
AuthorizationDescription2	String
AuthorizationDescription3	String
AuthorizationDescription4	String
AverageActivityCost	Decimal
BillingCode	String
BillingServiceID	String
ChargeIndicator	String
ChargeControlSerialNumber	WholeNumber
ChargeTypeDescription	String
CompletedBy	String
CompletionDate	String, ISO 8601 format
CPTCode	String

Attribute Name	Return Datatype and Format
DiagnosisCode	String
DiagnosisDescription	String
ExportType	String
ExternalBillingCodeExport	RealNumber
GlobalCharge	Decimal
GlobalRVU	RealNumber
ICDCode	WholeNumber
InsuranceCompanyName1	String
InsuranceCompanyName2	String
InsuranceCompanyName3	String
InsuranceCompanyName4	String
InsurancePlanNumber1	String
InsurancePlanNumber2	String
InsurancePlanNumber3	String
InsurancePlanNumber4	String
InsurancePlanType1	String
InsurancePlanType2	String
InsurancePlanType3	String
InsurancePlanType4	String
IsInPatient	Boolean
MedicareComplexCode	WholeNumber
ModifierCode	String
ModifierDescription	String
NoChargeFlag	WholeNumber
NumberOfCycles	WholeNumber
OtherGlobalCharge	Decimal
OtherProfessionalCharge	Decimal
OtherTechnicalCharge	Decimal
PatientAdmissionDate	String, ISO 8601 format
PatientBirthDate	String, ISO 8601 format
PatientDischargeDate	String, ISO 8601 format
PatientFirstName	String

Attribute Name	Return Datatype and Format
PatientId1	String
PatientId2	String
PatientLastName	String
PatientLocation	String
PatientSex	String
PatientSSN	String
PatientStatus	String
ProfessionalCharge	Decimal
ProfessionalRVU	RealNumber
RadiationOncologistFirstName	String
RadiationOncologistId	String
RadiationOncologistLastName	String
RadiationOncologistSpecialty	String
ReferringPhysicianLastName	String
ReferringPhysicianSpecialty	String
RVUExport	WholeNumber
RVUExportCode	WholeNumber
RVUMultiplier	RealNumber
ShortDescription	String
TechnicalCharge	Decimal
TechnicalRVU	RealNumber
TreatmentStrategyRevCount	WholeNumber
TreatmentStrategySer	WholeNumber
TSAComment	String
TSASerialNumber	WholeNumber
UserDefinedCode	String

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- `ReturnAllCharges` set as `True` and passed in, returns all the credits/charges corresponding to the hospital and date range irrespective of their export status (that is, returns both Exported and non Exported).

- `ReturnAllCharges` set as `False` and passed in, returns all credits/charges corresponding to the hospital and date range that have not been Exported from ARIA.
- If `SortMode` is passed in, then the results returned are sorted based on the mode specified. The following `SortModes` are available:
 - 1 or any other value - No Sorting
 - `PatientLastName + PatientID1`
 - `CompletionDate`
 - `InsurancePlanType`
- Additionally the following requirements should be considered for `DateTime`:
 - If both `StartDate` and `EndDate` are specified, then all the Active charges nor credits with `CompletionDate` greater than or equal to the `StartDate` and less than or equal to `EndDate` are fetched in the result.
 - If only `StartDate` is specified, then all Active charges or credits with `CompletionDate` greater than or equal `StartDate` are fetched in the result.
 - If only `EndDate` is specified, then all the Active appointments with `CompletionDate` less than the `EndDateTime` are fetched in the result.
 - If both `StartDateTime` and `EndDateTime` are not specified, then the `DateTime` associated with the appointments are not considered for evaluating the eligible appointments.

Error Messages

The following are the possible error messages:

- Hospital Name is mandatory field.
- Specified hospital name invalid.
- The start date and end date are not valid.
- The start date is greater than the end date.
- Start date is mandatory field.
- End date is mandatory field.

Radiation Therapy Data Handling

GetPatientCoursesAndPlanSetupsRequest

`GetPatientCoursesAndPlanSetupsRequest` web service allows you to get Course and PlanSetups information for a patient in ARIA.

Refer, [GetPatientCoursesAndPlanSetupsRequest - Examples](#) on page 124 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 24: Request Details

Attribute Name	Limitation, Datatype, and Format	Is Mandatory
PatientID	String	Yes
TreatmentType	String	Yes

The following attributes are returned in Response for each patient course found in ARIA.

Table 25: Response Details

Attribute Name	Return Datatype and Format
Comment	String
CompletedBy	String
CompletedDateTime	String, ISO 8601 format
Courseld	String
Intent	String
PatientId	String
PatientPlanSetups	List<PatientPlanSetup>
>ApprovedBy	String
>ApprovedDateTime	String, ISO 8601 format
>ApprovedStatus	String
>TreatmentType	String
StartDateTime	String, ISO 8601 format

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- Depending on the passed in `TreatmentType`, the Plan Setups and the corresponding Course information is returned only for the matching `PlanSetup` and `TreatmentType`. Supported values are:
 - All
 - Linac
 - Brachy
 - Proton
 - Other

Error Messages

You may encounter the following possible error messages.

- Patient Id is mandatory field.
- Treatment type is mandatory field.
- Patient associated with specified ID1 not active.
- No Patient Record exists for patient with specified ID1.

GetPatientPlanSetupsRequest

`GetPatientPlanSetupsRequest` web service allows you to get PlanSetups information for a patient in ARIA.

Refer, [GetPatientPlanSetupsRequest - Examples](#) on page 124 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 26: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Manadatory
CourseId	String	Yes
PatientId	String	Yes
PlanSetupId	String	No

The following attributes are returned in Response for each PlanSetup found in ARIA.

Table 27: Request Details

Attribute Name	Return Datatype and Format
ApplicationSetupNumber	WholeNumber
ApplicationSetupType	String
ApprovalDate	String, ISO 8601 format

Attribute Name	Return Datatype and Format
ApprovedBy	String
ApprovalStatus	String
Comment	String
CourseId	String
CreatedBy	String
CreationDate	String, ISO 8601 format
HistoryTaskName	String
HistoryUserName	String
PatientId	String
PlanNormFactor	String
PlanNormMethod	RealNumber
PlanSetupId	String
PlanSetupName	String
TreatmentTechnique	String

Error Messages

You may encounter the following possible error messages.

- Patient Id is mandatory field.
- Course Id is mandatory field.
- Patient associated with specified ID1 is not active.
- No Patient Record exists for patient with specified ID1.
- Course Id is not valid.
- PlanSetUp Id is not valid.
- Patient's record is not found.
- Patient is not active.

GetPatientPlansRequest

`GetPatientPlansRequest` web service allows you to get Patient Plans information for a patient in ARIA.

Refer, [GetPatientPlansRequest - Examples](#) on page 125 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 28: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Mandatory
CourseId	String	Yes
PatientId	String	Yes
PlanSetupId	String	No

The following attributes are returned in Response for each patient plan found in ARIA.

Table 29: Response Details

Attribute Name	Return Datatype and Format
CourseId	String
CreatedByUserName	String
CreationDate	String, ISO 8601 format
FractionPattern	String
HistoryTaskName	String
HistoryUserName	String
NoOfFractions	WholeNumber
PatientId	String
PlanSetupId	String
PlanSetupName	String
PlanUID	String
StartDelay	WholeNumber

Error Messages

You may encounter the following possible error messages.

- Patient Id is mandatory field.
- Course Id is mandatory field.
- Patient associated with specified ID1 is not active.
- No Patient Record exists for patient with specified ID1.
- Course Id is not valid.
- Plan Setup Id is not valid.
- Patient's record is not found.
- Patient is not active.

GetPatientPlanTxFieldsRequest

GetPatientPlanTxFieldsRequest web service allows you to get Treatment Field information for a patient in ARIA.

Refer, [GetPatientPlanTxFieldsRequest - Examples](#) on page 126 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 30: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Mandatory
Courseld	String	Yes
PatientId	String	Yes
PlanSetupId	String	Yes
Scale	String, Allowed values are IEC, VAR, and IEC1217	No

The following attributes are returned in Response for each Treatment field found in ARIA.

Table 31: Response Details

Attribute Name	Return Datatype and Format
AddOnId1	String
AddOnId2	String
AddOnId3	String
AddOnId4	String
AddOnType1	String
AddOnType2	String
AddOnType3	String
AddOnType4	String
CollMode	String
CollRtnM	RealNumber
CollX1	RealNumber
CollX2	RealNumber
CollY1	RealNumber
CollY2	RealNumber
CouchLatM	RealNumber
CouchLngM	RealNumber

Attribute Name	Return Datatype and Format
CouchRtnM	RealNumber
CouchVrtM	RealNumber
Courseld	String
CreationDate	String, ISO 8601 format
DoseRate	WholeNumber
EnergyMode	String
FieldId	String
FieldName	String
GantryRtnExtended	String
GantryRtnExtension	RealNumber
IsPartiallyTreated	Boolean
IsTreated	Boolean
Machineld	String
MLCFlag	WholeNumber
MU	WholeNumber
MWMU	RealNumber
PatientId	String
PlanSetupId	String
Scale	String
SetupNote	String
SlotName1	String
SlotName2	String
SlotName3	String
SlotName4	String
SSD	RealNumber
StopAngleExtension	RealNumber
TableTopRotation	WholeNumber
Techniqueld	String
Toleranceld	String
ToleranceTableName	String
TreatmentTime	RealNumber

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- Any treatment done with the Treatment Field returns the `IsTreated` flag as `True`.
- Any Partial Treatment done with the Treatment Field returns the `IsPartiallyTreated` flag as `True`.
- The Treatment Field information is only provided for Regular Plans that can be interpreted completely by ARIA. It is not provided for workflow plans that are not completely modeled in ARIA.
- All the scale specific attributes returned in response are given in the Scale specified in the request object.
- If Scale parameter is not specified, then the Machine's scale is used by default to return all the scale specific attributes returned in the response.
- The web service returns an error due to the following attribute conditions:
 - If the passed in `Scale` is not one of the allowed values, then an error is returned.
 - Patient with passed in `PatientId` cannot be found in ARIA.
 - Patient with passed in `PatientId` is not Active in ARIA.
 - Course with `CourseId` passed in does not exist for the Patient with passed in `PatientId`.
 - Any `TreatmentRecord` found corresponding to the `CourseId` or `PlanSetupId` passed in, returns an error.
 - If `PlanSetup` with `PlanSetupId` passed in does not exist for the Course with passed in `CourseId`.

Error Messages

You may encounter the following possible error messages.

- Patient Id is mandatory field.
- Course Id is mandatory field.
- Plan Id is mandatory field.
- Patient associated with specified ID1 not active.
- No Patient record exists for patient with specified ID1.
- CourseId is not valid.
- Plan Id is not correct.
- Patient's record is not found.
- Patient is not active.
- The PlanSetUp is not valid.

GetPatientFieldsTreatedInfoRequest

`GetPatientFieldsTreatedInfoRequest` web service allows you to get Treatment Field information (Records) for a patient in ARIA.

Refer, [GetPatientFieldsTreatedInfoRequest - Examples](#) on page 127 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 32: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Mandatory
Courseld	String	Yes
PatientId	String	Yes
TreatmentEndDate	String, ISO 8601 format	Yes
TreatmentStartDate	String, ISO 8601 format	Yes

The following attributes are returned in Response for each Treatment field information found in ARIA for a patient.

Table 33: Response Details

Attribute Name	Return Datatype and Format	Has Valid Values for Record Types of
ActuallyDailyDose	WholeNumber (in cGy)	TRT, MAN, PORT, DCOR
CollMode	WholeNumber	TRT, MAN, PORT
CollRotation	RealNumber	TRT, MAN, PORT
CollX1	RealNumber	TRT, MAN, PORT
CollX2	RealNumber	TRT, MAN, PORT
CollY1	RealNumber	TRT, MAN, PORT
CollY2	RealNumber	TRT, MAN, PORT
CouchLatitude	RealNumber	TRT, MAN, PORT
CouchLongitude	RealNumber	TRT, MAN, PORT
CouchRotation	RealNumber	TRT, MAN, PORT
CouchVertical	RealNumber	TRT, MAN, PORT
Courseld	String	TRT, MAN, PORT
DoseDeliveredToDate	WholeNumber (in cGy)	Total Dose Delivered
ElapseDays	WholeNumber	TRT, MAN
EnergyMode	String	TRT, MAN, PORT
FieldId	String	TRT, MAN, PORT
FieldName	String	TRT, MAN, PORT
FractionNumber	WholeNumber	TRT, MAN

Attribute Name	Return Datatype and Format	Has Valid Values for Record Types of
GantryRotation	String	TRT, MAN, PORT
MU	WholeNumber	TRT, MAN, PORT
MUPerdegree	RealNumber	TRT, MAN, PORT
PatientId	String	TRT, MAN, PORT. Set to <code>TotalDeliveredDose</code> when reporting Total Delivered Dose for a Reference Point.
ReferencePointId	String	TRT, MAN, PORT, DCOR, Total Dose Delivered
ReferencePointName	String	TRT, MAN, PORT, DCOR, Total Dose Delivered
Scale	String	TRT, MAN, PORT
StopAngle	String	TRT, MAN, PORT
SSD	RealNumber	TRT, MAN
TreatmentDate	String	TRT, MAN, PORT, DCOR, Total Dose Delivered
TreatmentType	String	TRT
TreatmentTypeFlag	String	TRT, MAN, PORT, DCOR

Assumptions and Conditions

The following assumptions and conditions impact calling a web service.

- This web service returns the following types of Record information in the results each time a particular Field is delivered:
 - Machine Delivered Treatment Records indicated by `TreatmentTypeFlag` set to `TRT`.
 - Manually Recorded Treatment Records indicated by `TreatmentTypeFlag` set to `MAN`.
 - Records corresponding to Portal Image Acquisition indicated by `TreatmentTypeFlag` set to `PORT`.
- This web service returns the following types of Record information in the results for each Reference point against which some Dose was recorded:
 - Dose corrections applied to specific Reference Points indicated by `TreatmentTypeFlag` set to `DCOR`.
 - Total Delivered Dose for a specific Reference Point indicated by `TreatmentTypeFlag` set to `null` and `DoseDeliveredToDate` set to some value.

- All the scale specific attributes returned in the response are given in the Scale of the machine for each record returned corresponding to individual beam delivered.

Error Messages

You may encounter the following possible error messages.

- Patient Id is a mandatory field.
- Course Id is mandatory field.
- Treatment Start Date is mandatory field.
- Patient associated with specified ID1 is not active.
- No Patient record exists for patient with specified ID1.
- Course Id is not valid.
- Start Date and Time greater than End Date and Time.

GetPatientRefPointsRequest

`GetPatientRefPointsRequest` web service allows you to get Reference Points for a patient in ARIA.

Refer, [GetPatientRefPointsRequest - Examples](#) on page 127 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 34: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Mandatory
PatientID	String	Yes

The following attributes are returned in Response for each Reference Points found in ARIA for a patient.

Table 35: Response Details

Attribute Name	Return Datatype and Format
DailyDoseLimit	RealNumber
PatientId	String
PatientVolumId	String
ReferencePointId	String
ReferencePointName	String
ReferencePointType	String
SessionDoseLimit	RealNumber
TotalDoseLimit	RealNumber

Error Messages

You may encounter the following possible error messages.

- Patient Id is mandatory field.
- Patient associated with specified ID1 not active.
- No Patient Record exists for patient with specified ID1.

GetPatientClinicalConceptsRequest

`GetPatientClinicalConceptsRequest` web service allows you to get Clinical Concepts for a patient in ARIA.

Refer, [GetPatientClinicalConceptsRequest - Examples](#) on page 128 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 36: Request Details

Attribute Name	Limitations, Datatype, and Format	Is Mandatory
CourselId	String	Yes
PatientId	String	Yes
PrescriptionId	String	No

The following attributes are returned in Response for each Clinical Concept for a patient found in ARIA.

Table 37: Request Details

Attribute Name	Return Datatype and Format
PatientId	String
PrescriptionName	String
CourselId	String
PhaseType	String
Gating	String
SimulationNeeded	WholeNumber
BolusFrequency	String
BolusThickness	String
Notes	String
Status	String
NumberOfFractions	WholeNumber
Technique	String

Attribute Name	Return Datatype and Format
Site	String
PrescriptionTemplateId	WholeNumber
CreationDate	String
CreationUserName	String
TreatmentIntentType	String
Energy	String
Modality	String
Frequency	String
Plans	String
IsPlanLinked	Boolean
PrescriptionVolumeInfo	List<PrescriptionVolumeInfo>
>PrescribeTo	String
>StructureName	String
>TotalDose	String
>Depth	String
>IsodoseLine	String
>DosePerFraction	String

Error Messages

You may encounter the following possible error messages.

- Patient Id is mandatory field.
- Course Id is mandatory field.
- Course not valid.
- No Patient Record exists for patient with specified ID1.

RFID Vendor Connectivity Handling

GetPatientNameForIDRequest

`GetPatientNameForIDRequest` web service allows you to get basic patient demographics for a patient in ARIA® corresponding to an external ID defined for the patient.

Refer, [GetPatientNameForIDRequest - Examples](#) on page 129 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 38: Request Details

Attribute Name	Limitation, Datatype, and Format	Is Mandatory
Id	String	Yes
IdType	String	Yes

The following attributes are returned in Response for a patient found in ARIA.

Table 39: Request Details

Attribute Name	Return Datatype and Format
FirstName	String
Gender	String
LastName	String
PatientID	String

Error Messages

You may encounter the following possible error messages.

- Id is mandatory field.
- Id Type is mandatory field.
- Could not find patient Name for the given request.
- Static Data not found.

GetResourceDetailsForIDRequest

`GetResourceDetailsForIDRequest` allows you to to get basic resource details for a person resource defined (Staff or Doctor) in ARIA corresponding to an external ID defined for the resource.

Refer, [GetResourceDetailsForIDRequest - Examples](#) on page 129 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 40: Request Details

Attribute Name	Limitation, Datatype, and Format	Is Mandatory
Id	String	Yes
IdType	String	Yes

The following attributes are returned in Response for a Resource found in ARIA.

Table 41: Request Details

Attribute Name	Return Datatype and Format
FirstName	String
LastName	String
ResourceId	String
Role	String
Specialty	String

Assumptions and Conditions

The web service returns an error due to the following attribute condition:

- The person resource is returned only if it is assigned with a User in the ARIA configuration.

Error Messages

You may encounter the following possible error messages.

- Id is mandatory field.
- Id Type is mandatory field.
- Static Data Not Found.

GetPatientAppointmentsForIDRequest

`GetPatientAppointmentsForIDRequest` allows you to get appointment details for appointments defined for a patient in ARIA that also has an external ID defined for it.

Refer, [GetPatientAppointmentsForIDRequest - Examples](#) on page 130 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 42: Request Details

Attribute Name	Limitation, Datatype, and Format	Is Mandatory
Id	String	Yes
IdType	String	Yes
AppointmentStatus	String	No
StartDateTime	String, ISO 8601 format	No
EndDateTime	String, ISO 8601 format	No

The following attributes are returned in Response for each appointment found corresponding to the patient found in ARIA.

Table 43: Response Details

Attribute Name	Return Datatype and Format
ActualEndTime	String, ISO 8601 format
ActualStartTime	String, ISO 8601 format
AppointmentStatus	String
ArrivalDateTime	String, ISO 8601 format
FirstName	String
Gender	String
IsCheckedIn	Boolean
LastName	String
CheckInLocation	String
PatientId	String
ScheduledEndTime	String, ISO 8601 format
ScheduledStartTime	String, ISO 8601 format

Assumptions and Conditions

The web service returns an error due to the following attribute condition:

- `ActualStartTime`, `IsCheckedIn`, and `CheckInLocation` are provided if the Patient is `CheckedIn`.

Error Messages

The following are the possible error messages:

- Id is mandatory field.
- Id Type is mandatory field.
- Status Data Not Found.

- Appointment status is not valid.
- End date must be greater than start date.

Helper Services

GetDiagnosisLookUpListRequest

`GetDiagnosisLookUpListRequest` web services gets the list of possible values for Diagnosis Method or Diagnosis Status in ARIA.

Refer, [GetDiagnosisLookUpListRequest - Examples](#) on page 131 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 44: Request Details

Attribute Name	Limitations, Condition, and Format	Is Mandatory
LookUpLanguage	String	Yes
LookUpType	String. Valid values are: DIAGNOSIS_METHOD, DIAGNOSIS_STATUS, DIAGNOSIS_SITE, DIAGNOSIS_CODE, DIAGNOSIS_SCHEME, STAGING_BASIS, STAGING_TIMING, STAGING_SCHEME_NAME, STAGING_STAGE	Yes

The following attribute is returned as Response for diagnosis method and status in ARIA.

Table 45: Response Details

Attribute Name	Return Datatype and Format
LookUpList	List<DiagnosisLookUpItem>

GetLookUpListRequest

`GetLookUpListRequest` web services allows you to get list of possible values for Patient Demographic attribute in ARIA® such as, Marital Status, Sex, Smoking Status and so on.

Refer, [GetLookUpListRequest - Examples](#) on page 132 for XML and JSON example.

The following attributes can be provided as an input for the Request.

Table 46: Request Details

Attribute Name	Limitations, Condition, and Format	Is Mandatory
LookUpLanguage	String	Yes
LookUpType	String. Valid values are: PATIENT_STATUS, RACE, COUNTRY, RELIGION, MARITAL_STATUS, SEX, SMOKING_STATUS	Yes

The following attribute is returned as Response.

Table 47: Response Details

Attribute Name	Return Datatype and Format
LookUpList	List<LookUpItem>

Appendix: All About Maintenance

Error Types

ARIA Access reports the following errors.

- **Installation Errors** – These errors are encountered while installing the software. An installation log generated while installing the software lists errors and detailed installation steps.
- **Infrastructure Errors** – These errors are encountered due to infrastructure problems, for example, Network Connectivity, Missing API Keys, Database connectivity, User Authentication, and so on. These are reported in a log file.
- **Application Errors** – These errors are encountered due to actions done by applications that are not allowed by business logic.

Required Dependency Checks

The following checks are necessary for the web service.

- Every web service is protected by an appropriate API Key. The clients are required to provide the API key as part of the web request for the call to succeed. During each call the system checks the presence of the API key whether the API key is allowed to perform the web request before allowing the call to go through.
- During each call the system also checks if the user making the call to the web service is an authenticated Shared Framework user.

Appendix: Examples for Supported Web Services

Patient Demographics Handling

This topic provides examples for all available APIs.

CreatePatientRequest - Examples

Example for XML

```
<z:anyType i:type="a:CreatePatientRequest" xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/Foundation/SF/Gateway"/>
</a:AddressLine1>
<a:AddressLine2 xmlns:b="http://services.varian.com/AriaWebConnect/Common">
  <b:Value>palm Lifehouse </b:Value>
</a:AddressLine2>
<a:AreaName xmlns:b="http://services.varian.com/AriaWebConnect/Common">
  <b:Value>Caller Application Name</b:Value>
</a:AreaName>
<a:AutopsyOutcome xmlns:b="http://services.varian.com/AriaWebConnect/Common">
  <b:Value>Outcome of Autopsy</b:Value>
</a:AutopsyOutcome>
<a:AutopsyStatus xmlns:b="http://services.varian.com/AriaWebConnect/Common">
  <b:Value>Status of Autopsyt</b:Value>
</a:AutopsyStatus>
<a:BirthCity xmlns:b="http://services.varian.com/AriaWebConnect/Common">
  <b:Value>NewYork</b:Value>
</a:BirthCity>
<a:BirthCountry xmlns:b="http://services.varian.com/AriaWebConnect/Common">
  <b:Value>United States</b:Value>
</a:BirthCountry>
<a:BirthCounty xmlns:b="http://services.varian.com/AriaWebConnect/Common">
  <b:Value>Queens</b:Value>
</a:BirthCounty>
```

```

<a:BirthState xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:BirthState>
<a:Birthdate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>1986-12-14</b:Value>
</a:Birthdate>
<a:BloodGroup xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>B+ve</b:Value>
</a:BloodGroup>
<a:Citizenship xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:Citizenship>
<a:CityorTownship xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>NewYork</b:Value>
</a:CityorTownship>
<a:ContrastAllergies xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedContrastAllergies</b:Value>
</a:ContrastAllergies>
<a:Country xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:Country>
<a:County xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Queens</b:Value>
</a:County>
<a:DeathCause xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:DeathCause>
<a:DeathDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:DeathDate>
<a:DepartmentId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Oncology11</b:Value>
</a:DepartmentId>
<a:FirstName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary</b:Value>
</a:FirstName>
<a:HomePhoneNumber xmlns:b="http://services.varian.com/

```



```

AriaWebConnect/Common">
<b:Value>123-456-789</b:Value>
</a:HomePhoneNumber>
<a:Honorific xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Madam</b:Value>
</a:Honorific>
<a:HospitalName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>AA_Hospital_1</b:Value>
</a:HospitalName>
<a:InEndDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:InEndDate>
<a:InProjectedEndDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-12-29</b:Value>
</a:InProjectedEndDate>
<a:InStartDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-12-14</b:Value>
</a:InStartDate>
<a:IsInPatient xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>true</b:Value>
</a:IsInPatient>
<a:IsTimeStampCheckRequired xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value>false</b:Value>
</a:IsTimeStampCheckRequired>
<a>LastMenstrualDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-11-29</b:Value>
</a>LastMenstrualDate>
<a:LastName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Jones</b:Value>
</a:LastName>
<a:MaidenName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary Smith</b:Value>
</a:MaidenName>
<a:MaritalStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>SINGLE</b:Value>
</a:MaritalStatus>
<a:MedRecordLocator xmlns:b="http://services.varian.com/
AriaWebConnect/Common">

```

```

<b:Value>UpdatedMedRecordLocator</b:Value>
</a:MedRecordLocator>
<a:MedicalAlerts xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedMedicalAlerts</b:Value>
</a:MedicalAlerts>
<a:MiddleName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Tom</b:Value>
</a:MiddleName>
<a:MothersMaidenName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary Smith</b:Value>
</a:MothersMaidenName>
<a:NameSuffix xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS</b:Value>
</a:NameSuffix>
<a:NewPatientId1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS1234</b:Value>
</a:NewPatientId1>
<a:Occupation xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Manager</b:Value>
</a:Occupation>
<a:PassportNumber xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>J123456</b:Value>
</a:PassportNumber>
<a:PatientId1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS1234</b:Value>
</a:PatientId1>
<a:PatientId2 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MARYS0987</b:Value>
</a:PatientId2>
<a:PatientLocation xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Life Core</b:Value>
</a:PatientLocation>
<a:PatientNames>
<a:PatientName>
<a:FirstName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary</b:Value>
</a:FirstName>
<a:Honorific xmlns:b="http://services.varian.com/

```

```

AriaWebConnect/Common">
<b:Value>Madam</b:Value>
</a:Honorific>
<a:LastName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Jones</b:Value>
</a:LastName>
<a:MiddleName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Tom</b:Value>
</a:MiddleName>
<a:NameRepresentationCode xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:NameRepresentationCode>
<a:NameSelectedForDisplay xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value>1</b:Value>
</a:NameSelectedForDisplay>
<a:NameSuffix xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS</b:Value>
</a:NameSuffix>
<a:NameType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>A</b:Value>
</a:NameType>
</a:PatientName>
</a:PatientNames>
<a:PatientState xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Alive</b:Value>
</a:PatientState>
<a:PatientStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>New Patient (NP)</b:Value>
</a:PatientStatus>
<a:PostalCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>1234</b:Value>
</a:PostalCode>
<a:PregnancyStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedPregnancyStatus</b:Value>
</a:PregnancyStatus>
<a:Race xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Asian</b:Value>
</a:Race>

```

```

<a:Religion xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Catholic</b:Value>
</a:Religion>
<a:RetirementDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-12-14</b:Value>
</a:RetirementDate>
<a:RetirementNote xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedRetirement Notes</b:Value>
</a:RetirementNote>
<a:RetirementReason xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedRetirementReason</b:Value>
</a:RetirementReason>
<a:SSN xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>SSN_XXXXXX.66</b:Value>
</a:SSN>
<a:Sex xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Female</b:Value>
</a:Sex>
<a:SmokingStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>NON SMOKER</b:Value>
</a:SmokingStatus>
<a:StateOrProvince xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>US</b:Value>
</a:StateOrProvince>
<a:TimeStamp xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:TimeStamp>
<a:TransportName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>JJS.COM</b:Value>
</a:TransportName>
<a:TransportPhoneNumber xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value>+234567</b:Value>
</a:TransportPhoneNumber>
<a:UniversalPatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS1234</b:Value>
</a:UniversalPatientId>
<a:UserDefinedAttributes>

```

```

<a:Attribute1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr1</b:Value>
</a:Attribute1>
<a:Attribute10 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr10</b:Value>
</a:Attribute10>
<a:Attribute11 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr11</b:Value>
</a:Attribute11>
<a:Attribute12 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr12</b:Value>
</a:Attribute12>
<a:Attribute13 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr13</b:Value>
</a:Attribute13>
<a:Attribute14 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr14</b:Value>
</a:Attribute14>
<a:Attribute15 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr15</b:Value>
</a:Attribute15>
<a:Attribute16 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr16</b:Value>
</a:Attribute16>
<a:Attribute2 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr2</b:Value>
</a:Attribute2>
<a:Attribute3 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr3</b:Value>
</a:Attribute3>
<a:Attribute4 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr4</b:Value>
</a:Attribute4>
<a:Attribute5 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Value of UpdatedAttr5</b:Value>
</a:Attribute5>
<a:Attribute6 xmlns:b="http://services.varian.com/

```

```

AriaWebConnect/Common">
<b:Value> Value of UpdatedAttr6</b:Value>
</a:Attribute6>
<a:Attribute7 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr7</b:Value>
</a:Attribute7>
<a:Attribute8 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr8</b:Value>
</a:Attribute8>
<a:Attribute9 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr9</b:Value>
</a:Attribute9>
</a:UserDefinedAttributes>
<a:WorkPhoneNumber xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>098-876-999</b:Value>
</a:WorkPhoneNumber>
</z:anyType>

```

Example for JSON

```

{"__type":"CreatePatientRequest:http://services.varian.com/
AriaWebConnect/Link",
"Attributes":null,
"AddressLine1":{"Value":"Level 5
001 Missenden Road
"},
"AddressLine2":{"Value":"palm Lifehouse "},
"AreaName":{"Value":"Caller Application Name"},
"AutopsyOutcome":{"Value":"Outcome of Autopsy"},
"AutopsyStatus":{"Value":"Status of Autopsy"},
"BirthCity":{"Value":"NewYork"},
"BirthCountry":{"Value":"United States"},
"BirthCounty":{"Value":"Queens"},
"BirthState":{"Value":"United StateNew South wales"},
"Birthdate":{"Value":"1986-12-14"},
"BloodGroup":{"Value":"B+ve"},
"Citizenship":{"Value":"United States"},
"CityorTownship":{"Value":"NewYork"},
"ContrastAllergies":{"Value":"UpdatedContrastAllergies"},
"Country":{"Value":"United States"},
"County":{"Value":"Queens"},
"DeathCause":{"Value":"Cause of Death"},
"DeathDate":{"Value":"12-30-2016"},
"DepartmentId":{"Value":"Oncology11"},
"FirstName":{"Value":"Mary"},

```

```

"HomePhoneNumber":{"Value":"123-456-789"},
"Honorific":{"Value":"Madam"},
"HospitalName":{"Value":"AA_Hospital_1"},
"InEndDate":{"Value":null},
"InProjectedEndDate":{"Value":"2016-12-29"},
"InStartDate":{"Value":"2016-12-14"},
"IsInPatient":{"Value":true},
"IsTimeStampCheckRequired":{"Value":false},
"LastMenstrualDate":{"Value":"2016-11-29"},
"LastName":{"Value":"Jones"},
"MaidenName":{"Value":"Mary Smith"},
"MaritalStatus":{"Value":"SINGLE"},
"MedRecordLocator":{"Value":"UpdatedMedRecordLocator"},
"MedicalAlerts":{"Value":"UpdatedMedicalAlerts"},
"MiddleName":{"Value":"Tom"},
"MothersMaidenName":{"Value":"Mary Smith"},
"NameSuffix":{"Value":"MS"},
"NewPatientId1":{"Value":"MS1234"},
"Occupation":{"Value":"Manager"},
"PassportNumber":{"Value":"J123456"},
"PatientId1":{"Value":"MS1234"},
"PatientId2":{"Value":"MARYS0987"},
"PatientLocation":{"Value":"Life Core"},
"PatientNames":[{"FirstName":{"Value":"Mary"}},
"Honorific":{"Value":"Madam"},
"LastName":{"Value":"Jones"},
"MiddleName":{"Value":"Tom"},
"NameRepresentationCode":{"Value":null},
"NameSelectedForDisplay":{"Value":1},
"NameSuffix":{"Value":"MS"},
"NameType":{"Value":"A"}}],
"PatientState":{"Value":"Alive"},
"PatientStatus":{"Value":"New Patient (NP)"},
"PostalCode":{"Value":"1234"},
"PregnancyStatus":{"Value":"UpdatedPregnancyStatus"},
"Race":{"Value":"Asian"},
"Religion":{"Value":"Catholic"},
"RetirementDate":{"Value":"2016-12-14"},
"RetirementNote":{"Value":"UpdatedRetirement Notes"},
"RetirementReason":{"Value":"UpdatedRetirementReason"},
"SSN":{"Value":"SSN_XXXXXX.66"},
"Sex":{"Value":"Female"},
"SmokingStatus":{"Value":"NON SMOKER"},
"StateOrProvince":{"Value":"US"},
"TimeStamp":{"Value":null},
"TransportName":{"Value":"JJS.COM"},
"TransportPhoneNumber":{"Value":"+234567"},
"UniversalPatientId":{"Value":"MS1234"},
"UserDefinedAttributes":{"Attribute1":{"Value":"Value of

```

```

UpdatedAttr1"},
"Attribute10":{"Value":" Value of UpdatedAttr10"},
"Attribute11":{"Value":"Value of UpdatedAttr11"},
"Attribute12":{"Value":"Value of UpdatedAttr12"},
"Attribute13":{"Value":"Value of UpdatedAttr13"},
"Attribute14":{"Value":"Value of UpdatedAttr14"},
"Attribute15":{"Value":"Value of UpdatedAttr15"},
"Attribute16":{"Value":"Value of UpdatedAttr16"},
"Attribute2":{"Value":"Value of UpdatedAttr2"},
"Attribute3":{"Value":"Value of UpdatedAttr3"},
"Attribute4":{"Value":"Value of UpdatedAttr4"},
"Attribute5":{"Value":"Value of UpdatedAttr5"},
"Attribute6":{"Value":"Value of UpdatedAttr6"},
"Attribute7":{"Value":"Value of UpdatedAttr7"},
"Attribute8":{"Value":"Value of UpdatedAttr8"},
"Attribute9":{"Value":"Value of UpdatedAttr9"}},
"WorkPhoneNumber":{"Value":"098-876-999"}}

```

UpdatePatientRequest - Examples

Example for XML

```

<z:anyType i:type="a:UpdatePatientRequest" xmlns:z="http://
schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://
www.w3.org/2001/XMLSchema-instance" xmlns:a="http://
services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://
services.varian.com/Foundation/SF/Gateway"/>
  <a:AddressLine1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Level 5
001 Missenden Road
    </b:Value>
  </a:AddressLine1>
  <a:AddressLine2 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>palm Lifehouse </b:Value>
  </a:AddressLine2>
  <a:AreaName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Caller Application Name</b:Value>
  </a:AreaName>
  <a:AutopsyOutcome xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Outcome of Autopsy</b:Value>
  </a:AutopsyOutcome>
  <a:AutopsyStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">

```



```

<b:Value>Status of Autopsyt</b:Value>
</a:AutopsyStatus>
<a:BirthCity xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>NewYork</b:Value>
</a:BirthCity>
<a:BirthCountry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:BirthCountry>
<a:BirthCounty xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Queens</b:Value>
</a:BirthCounty>
<a:BirthState xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:BirthState>
<a:Birthdate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>1986-12-14</b:Value>
</a:Birthdate>
<a:BloodGroup xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>B+ve</b:Value>
</a:BloodGroup>
<a:Citizenship xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:Citizenship>
<a:CityorTownship xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>NewYork</b:Value>
</a:CityorTownship>
<a:ContrastAllergies xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedContrastAllergies</b:Value>
</a:ContrastAllergies>
<a:Country xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:Country>
<a:County xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Queens</b:Value>
</a:County>
<a:DeathCause xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>

```

```

</a:DeathCause>
<a:DeathDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:DeathDate>
<a:DepartmentId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Oncology11</b:Value>
</a:DepartmentId>
<a:FirstName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary</b:Value>
</a:FirstName>
<a:HomePhoneNumber xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>123-456-789</b:Value>
</a:HomePhoneNumber>
<a:Honorific xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Madam</b:Value>
</a:Honorific>
<a:HospitalName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>AA_Hospital_1</b:Value>
</a:HospitalName>
<a:InEndDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:InEndDate>
<a:InProjectedEndDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-12-29</b:Value>
</a:InProjectedEndDate>
<a:InStartDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-12-14</b:Value>
</a:InStartDate>
<a:IsInPatient xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>true</b:Value>
</a:IsInPatient>
<a:IsTimeStampCheckRequired xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value>false</b:Value>
</a:IsTimeStampCheckRequired>
<a>LastMenstrualDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-11-29</b:Value>
</a>LastMenstrualDate>

```

```

<a:LastName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Jones</b:Value>
</a:LastName>
<a:MaidenName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary Smith</b:Value>
</a:MaidenName>
<a:MaritalStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>SINGLE</b:Value>
</a:MaritalStatus>
<a:MedRecordLocator xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedMedRecordLocator</b:Value>
</a:MedRecordLocator>
<a:MedicalAlerts xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedMedicalAlerts</b:Value>
</a:MedicalAlerts>
<a:MiddleName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Tom</b:Value>
</a:MiddleName>
<a:MothersMaidenName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary Smith</b:Value>
</a:MothersMaidenName>
<a:NameSuffix xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS</b:Value>
</a:NameSuffix>
<a:NewPatientId1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS1234</b:Value>
</a:NewPatientId1>
<a:Occupation xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Manager</b:Value>
</a:Occupation>
<a:PassportNumber xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>J123456</b:Value>
</a:PassportNumber>
<a:PatientId1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS1234</b:Value>
</a:PatientId1>
<a:PatientId2 xmlns:b="http://services.varian.com/

```

```

AriaWebConnect/Common">
<b:Value>MARYS0987</b:Value>
</a:PatientId2>
<a:PatientLocation xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Life Core</b:Value>
</a:PatientLocation>
<a:PatientNames>
<a:PatientName>
<a:FirstName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Mary</b:Value>
</a:FirstName>
<a:Honorific xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Madam</b:Value>
</a:Honorific>
<a:LastName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Jones</b:Value>
</a:LastName>
<a:MiddleName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Tom</b:Value>
</a:MiddleName>
<a:NameRepresentationCode xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value i:nil="true"/>
</a:NameRepresentationCode>
<a:NameSelectedForDisplay xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value>1</b:Value>
</a:NameSelectedForDisplay>
<a:NameSuffix xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS</b:Value>
</a:NameSuffix>
<a:NameType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>A</b:Value>
</a:NameType>
</a:PatientName>
</a:PatientNames>
<a:PatientState xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Alive</b:Value>
</a:PatientState>
<a:PatientStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">

```

```

<b:Value>New Patient (NP)</b:Value>
</a:PatientStatus>
<a:PostalCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>1234</b:Value>
</a:PostalCode>
<a:PregnancyStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedPregnancyStatus</b:Value>
</a:PregnancyStatus>
<a:Race xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Asian</b:Value>
</a:Race>
<a:Religion xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Catholic</b:Value>
</a:Religion>
<a:RetirementDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-12-14</b:Value>
</a:RetirementDate>
<a:RetirementNote xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedRetirement Notes</b:Value>
</a:RetirementNote>
<a:RetirementReason xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>UpdatedRetirementReason</b:Value>
</a:RetirementReason>
<a:SSN xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>SSN_XXXXXX.66</b:Value>
</a:SSN>
<a:Sex xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Female</b:Value>
</a:Sex>
<a:SmokingStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>NON SMOKER</b:Value>
</a:SmokingStatus>
<a:StateOrProvince xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>US</b:Value>
</a:StateOrProvince>
<a:TimeStamp xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value i:nil="true"/>

```

```

</a:TimeStamp>
<a:TransportName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>JJS.COM</b:Value>
</a:TransportName>
<a:TransportPhoneNumber xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value>+234567</b:Value>
</a:TransportPhoneNumber>
<a:UniversalPatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MS1234</b:Value>
</a:UniversalPatientId>
<a:UserDefinedAttributes>
<a:Attribute1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr1</b:Value>
</a:Attribute1>
<a:Attribute10 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr10</b:Value>
</a:Attribute10>
<a:Attribute11 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr11</b:Value>
</a:Attribute11>
<a:Attribute12 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr12</b:Value>
</a:Attribute12>
<a:Attribute13 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr13</b:Value>
</a:Attribute13>
<a:Attribute14 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr14</b:Value>
</a:Attribute14>
<a:Attribute15 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr15</b:Value>
</a:Attribute15>
<a:Attribute16 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr16</b:Value>
</a:Attribute16>
<a:Attribute2 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr2</b:Value>

```

```

</a:Attribute2>
<a:Attribute3 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr3</b:Value>
</a:Attribute3>
<a:Attribute4 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr4</b:Value>
</a:Attribute4>
<a:Attribute5 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr5</b:Value>
</a:Attribute5>
<a:Attribute6 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value> Value of UpdatedAttr6</b:Value>
</a:Attribute6>
<a:Attribute7 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr7</b:Value>
</a:Attribute7>
<a:Attribute8 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr8</b:Value>
</a:Attribute8>
<a:Attribute9 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Value of UpdatedAttr9</b:Value>
</a:Attribute9>
</a:UserDefinedAttributes>
<a:WorkPhoneNumber xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>098-876-999</b:Value>
</a:WorkPhoneNumber>
</z:anyType>

```

Example for JSON

```

{"__type": "UpdatePatientRequest:http://services.varian.com/
AriaWebConnect/Link",
"Attributes": null,
"AddressLine1": {"Value": "Level 5
001 Missenden Road
"},
"AddressLine2": {"Value": "palm Lifehouse "},
"AreaName": {"Value": "Caller Application Name"},
"AutopsyOutcome": {"Value": "Outcome of Autopsy"},
"AutopsyStatus": {"Value": "Status of Autopsy"},
"BirthCity": {"Value": "NewYork"},

```

```

"BirthCountry":{"Value":"United States"},
"BirthCounty":{"Value":"Queens"},
"BirthState":{"Value":"United StateNew South wales"},
"Birthdate":{"Value":"1986-12-14"},
"BloodGroup":{"Value":"B+ve"},
"Citizenship":{"Value":"United States"},
"CityorTownship":{"Value":"NewYork"},
"ContrastAllergies":{"Value":"UpdatedContrastAllergies"},
"Country":{"Value":"United States"},
"County":{"Value":"Queens"},
"DeathCause":{"Value":"Cause of Death"},
"DeathDate":{"Value":"12-30-2016"},
"DepartmentId":{"Value":"Oncology11"},
"FirstName":{"Value":"Mary"},
"HomePhoneNumber":{"Value":"123-456-789"},
"Honorific":{"Value":"Madam"},
"HospitalName":{"Value":"AA_Hospital_1"},
"InEndDate":{"Value":null},
"InProjectedEndDate":{"Value":"2016-12-29"},
"InStartDate":{"Value":"2016-12-14"},
"IsInPatient":{"Value":true},
"IsTimeStampCheckRequired":{"Value":false},
"LastMenstrualDate":{"Value":"2016-11-29"},
"LastName":{"Value":"Jones"},
"MaidenName":{"Value":"Mary Smith"},
"MaritalStatus":{"Value":"SINGLE"},
"MedRecordLocator":{"Value":"UpdatedMedRecordLocator"},
"MedicalAlerts":{"Value":"UpdatedMedicalAlerts"},
"MiddleName":{"Value":"Tom"},
"MothersMaidenName":{"Value":"Mary Smith"},
"NameSuffix":{"Value":"MS"},
"NewPatientId1":{"Value":"MS1234"},
"Occupation":{"Value":"Manager"},
"PassportNumber":{"Value":"J123456"},
"PatientId1":{"Value":"MS1234"},
"PatientId2":{"Value":"MARYS0987"},
"PatientLocation":{"Value":"Life Core"},
"PatientNames":[{"FirstName":{"Value":"Mary"},
"Honorific":{"Value":"Madam"},
"LastName":{"Value":"Jones"},
"MiddleName":{"Value":"Tom"},
"NameRepresentationCode":{"Value":null},
"NameSelectedForDisplay":{"Value":1},
"NameSuffix":{"Value":"MS"},
"NameType":{"Value":"A"}}],
"PatientState":{"Value":"Alive"},
"PatientStatus":{"Value":"New Patient (NP)"},
"PostalCode":{"Value":"1234"},
"PregnancyStatus":{"Value":"UpdatedPregnancyStatus"},

```



```

"Race":{"Value":"Asian"},
"Religion":{"Value":"Catholic"},
"RetirementDate":{"Value":"2016-12-14"},
"RetirementNote":{"Value":"UpdatedRetirement Notes"},
"RetirementReason":{"Value":"UpdatedRetirementReason"},
"SSN":{"Value":"SSN_XXXXXX.66"},
"Sex":{"Value":"Female"},
"SmokingStatus":{"Value":"NON SMOKER"},
"StateOrProvince":{"Value":"US"},
"TimeStamp":{"Value":null},
"TransportName":{"Value":"JJS.COM"},
"TransportPhoneNumber":{"Value":"+234567"},
"UniversalPatientId":{"Value":"MS1234"},
"UserDefinedAttributes":{"Attribute1":{"Value":"Value of UpdatedAttr1"},
"Attribute10":{"Value":" Value of UpdatedAttr10"},
"Attribute11":{"Value":"Value of UpdatedAttr11"},
"Attribute12":{"Value":"Value of UpdatedAttr12"},
"Attribute13":{"Value":"Value of UpdatedAttr13"},
"Attribute14":{"Value":"Value of UpdatedAttr14"},
"Attribute15":{"Value":"Value of UpdatedAttr15"},
"Attribute16":{"Value":"Value of UpdatedAttr16"},
"Attribute2":{"Value":"Value of UpdatedAttr2"},
"Attribute3":{"Value":"Value of UpdatedAttr3"},
"Attribute4":{"Value":"Value of UpdatedAttr4"},
"Attribute5":{"Value":"Value of UpdatedAttr5"},
"Attribute6":{"Value":"Value of UpdatedAttr6"},
"Attribute7":{"Value":"Value of UpdatedAttr7"},
"Attribute8":{"Value":"Value of UpdatedAttr8"},
"Attribute9":{"Value":"Value of UpdatedAttr9"}},
"WorkPhoneNumber":{"Value":"098-876-999"}}

```

GetPatientsRequest - Examples

Example for XML

```

<z:anyType i:type="a:GetPatientsRequest" xmlns:z="http://
schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://
www.w3.org/2001/XMLSchema-instance" xmlns:a="http://
services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:FirstName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value/>
  </a:FirstName>
  <a:IsMultipleNamesRequired xmlns:b="http://services.varian.com/
AriaWebConnect/Common">

```

```

    <b:Value i:nil="true"/>
  </a:IsMultipleNamesRequired>
  <a:LastName xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value/>
  </a:LastName>
  <a:MatchingCriteria xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value i:nil="true"/>
  </a:MatchingCriteria>
  <a:PatientId1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>JS123456</b:Value>
  </a:PatientId1>
  <a:PatientId2 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value/>
  </a:PatientId2>
</z:anyType>

```

Example for JSON

```

{"__type": "GetPatientsRequest:http://services.varian.com/
AriaWebConnect/Link",
"Attributes": null,
"FirstName": {"Value": "John"},
"IsMultipleNamesRequired": {"Value": null},
"LastName": {"Value": "Smith"},
"MatchingCriteria": {"Value": null},
"PatientId1": {"Value": "JS123456"},
"PatientId2": {"Value": "JSM0987"}}

```

Resource Handling

This topic provides examples for all available APIs.

CreateDoctorRequest - Examples

Example of XML

```

<z:anyType i:type="a:CreateDoctorRequest" xmlns:z="http://
schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://
www.w3.org/2001/XMLSchema-instance" xmlns:a="http://
services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:AddressComment xmlns:b="http://services.varian.com/
AriaWebConnect/Common">

```

```

<b:Value>Comment of Address</b:Value>
</a:AddressComment>
<a:AddressLine1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Level 5
001 Missenden Road
</b:Value>
</a:AddressLine1>
<a:AddressLine2 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>palm Lifehouse </b:Value>
</a:AddressLine2>
<a:AddressLine3 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>NewYork</b:Value>
</a:AddressLine3>
<a:AreaName xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Caller Application Name</b:Value>
</a:AreaName>
<a:BillingServiceID xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value/>
</a:BillingServiceID>
<a:CityOrTownship xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>NewYork</b:Value>
</a:CityOrTownship>
<a:Comment xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Comment</b:Value>
</a:Comment>
<a:Country xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>United States</b:Value>
</a:Country>
<a:County xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Queens</b:Value>
</a:County>
<a:DisplayName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Dr_646893646893</b:Value>
</a:DisplayName>
<a:DoctorId xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Doc_646893646893</b:Value>
</a:DoctorId>
<a:FaxNumber xmlns:b="http://services.varian.com/AriaWebConnect/

```

```

Common">
<b:Value>(123)-12345</b:Value>
</a:FaxNumber>
<a:FirstName xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Joe</b:Value>
</a:FirstName>
<a:Honorific xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>DR</b:Value>
</a:Honorific>
<a:Institution xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Oncology</b:Value>
</a:Institution>
<a:IsOncologist xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>true</b:Value>
</a:IsOncologist>
<a:LastName xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Mathew</b:Value>
</a:LastName>
<a:Location xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Life Core Hospital</b:Value>
</a:Location>
<a:MiddleName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Sam</b:Value>
</a:MiddleName>
<a:NameSuffix xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>MR</b:Value>
</a:NameSuffix>
<a:OriginationDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-01-06</b:Value>
</a:OriginationDate>
<a:POCName xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>POCName</b:Value>
</a:POCName>
<a:PhoneNumber1 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>123-234-2345</b:Value>
</a:PhoneNumber1>
<a:PhoneNumber2 xmlns:b="http://services.varian.com/
AriaWebConnect/Common">

```

```

<b:Value>098-777-999</b:Value>
</a:PhoneNumber2>
<a:PostalCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>23456</b:Value>
</a:PostalCode>
<a:Specialty xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Oncology</b:Value>
</a:Specialty>
<a:StateOrProvince xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>United States</b:Value>
</a:StateOrProvince>
<a:TerminationDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2017-01-07</b:Value>
</a:TerminationDate>
</z:anyType>

```

Example of JSON

```

{ "__type": "CreateDoctorRequest:http://services.varian.com/
AriaWebConnect/Link",
  "Attributes": null,
  "AddressComment": { "Value": "Comment of address" },
  "AddressLine1": { "Value": "Level 5
001 Missenden Road" },
  "AddressLine2": { "Value": "palm Lifehouse " },
  "AddressLine3": { "Value": "NewYork" },
  "AreaName": { "Value": "Caller Application Name" },
  "BillingServiceID": { "Value": "PI12" },
  "CityOrTownship": { "Value": "NewYork" },
  "Comment": { "Value": "Comment" },
  "Country": { "Value": "United States" },
  "County": { "Value": "Queens" },
  "DisplayName": { "Value": "Dr_640385640385" },
  "DoctorId": { "Value": "Doc_640385640385" },
  "FaxNumber": { "Value": "123-12345" },
  "FirstName": { "Value": "Joe" },
  "Honorific": { "Value": "DR" },
  "Institution": { "Value": "Oncology" },
  "IsOncologist": { "Value": true },
  "LastName": { "Value": "Mathew" },
  "Location": { "Value": "Life Core Hospital" },
  "MiddleName": { "Value": "Sam" },
  "NameSuffix": { "Value": "MR" },
  "OriginationDate": { "Value": "2016-01-06" },

```

```
"POCName":{"Value":"POCName"},
"PhoneNumber1":{"Value":"123-234-2345"},
"PhoneNumber2":{"Value":"098-777-999"},
"PostalCode":{"Value":"23456"},
"Specialty":{"Value":"Oncology"},
"StateOrProvince":{"Value":"United States"},
"TerminationDate":{"Value":"2017-01-07"}}
```

GetDoctorsInfoRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetDoctorsInfoRequest" xmlns:z="http://
schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://
www.w3.org/2001/XMLSchema-instance" xmlns:a="http://
services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:DepartmentID xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Oncology11</b:Value>
  </a:DepartmentID>
  <a:DoctorId xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>Oncologist1</b:Value>
  </a:DoctorId>
</z:anyType>
```

Example for JSON

```
{"__type":"GetDoctorsInfoRequest:http://services.varian.com/
AriaWebConnect/Link",
"Attributes":null,
"DepartmentID":{"Value":"Oncology11"},
"DoctorId":{"Value":"Oncologist1"}}
```

AssignDoctorToPatientRequest - Examples

Example for XML

```
<z:anyType i:type="a:AssignDoctorToPatientRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:AreaName xmlns:b="http://services.varian.com/AriaWebConnect/
```

```

Common">
<b:Value>Caller Application Name</b:Value>
</a:AreaName>
<a:Comment xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Comment</b:Value>
</a:Comment>
<a:DoctorId xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>Doc_952588952588</b:Value>
</a:DoctorId>
<a:IsOncologist xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>true</b:Value>
</a:IsOncologist>
<a:IsPrimary xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>true</b:Value>
</a:IsPrimary>
<a:PatientId xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
<b:Value>PIId1_73663077366307736630</b:Value>
</a:PatientId>
</z:anyType>

```

Example for JSON

```

{"__type":"AssignDoctorToPatientRequest:http:\\\\
services.varian.com\\AriaWebConnect\\Link",
"Attributes":null,
"AreaName":{"Value":"Caller Application Name"},
"Comment":{"Value":"Comment"},
"DoctorId":{"Value":"Doc_87198719"},
"IsOncologist":{"Value":true},
"IsPrimary":{"Value":true},
"PatientId":{"Value":"PIId1_47880484788048478804"}}

```

UpdateDoctorAssignedToPatientRequest - Examples

Example for XML

```

<z:anyType i:type="a:UpdateDoctorAssignedToPatientRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:AreaName xmlns:b="http://services.varian.com/

```

```

AriaWebConnect/Common">
  <b:Value>Caller Application Name</b:Value>
</a:AreaName>
  <a:IsTimeStampCheckRequired xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
  <b:Value>>false</b:Value>
</a:IsTimeStampCheckRequired>
  <a:Comment xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
  <b:Value>UpdatedComment</b:Value>
</a:Comment>
  <a:DoctorId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>SysAdmin</b:Value>
</a:DoctorId>
  <a:IsOncologist xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>>true</b:Value>
</a:IsOncologist>
  <a:IsPrimary xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>>true</b:Value>
</a:IsPrimary>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>deae1cad910a43e4ac8c41500</b:Value>
</a:PatientId>
  <a:TimeStamp i:nil="true" xmlns:b="http://services.varian.com/
AriaWebConnect/Common"/>
</z:anyType>

```

Example for JSON

```

{"__type":"UpdateDoctorAssignedToPatientRequest:http://\
services.varian.com\AriaWebConnect\Link",
"Attributes":null,
"AreaName":{"Value":"Caller Application Name"},
"IsTimeStampCheckRequired":{"Value":false},
"Comment":{"Value":"UpdatedComment"},
"DoctorId":{"Value":"SysAdmin"},
"IsOncologist":{"Value":true},
"IsPrimary":{"Value":true},
"PatientId":{"Value":"988bb6afaab04b078c72719a7"},
"TimeStamp":null}

```


GetDoctorsAssignedToPatientRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetDoctorsAssignedToPatientRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:IsOncologist xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>true</b:Value>
  </a:IsOncologist>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>PID1_25000202500020250002</b:Value>
  </a:PatientId>
</z:anyType>
```

Example for JSON

```
{ "__type": "GetDoctorsAssignedToPatientRequest:http://\
services.varian.com\AriaWebConnect\Link",
  "Attributes": null,
  "IsOncologist": { "Value": true },
  "PatientId": { "Value": "PID1_91551209155120915511" } }
```

GetMachineListRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetMachineListRequest" xmlns:z="http://
schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://
www.w3.org/2001/XMLSchema-instance" xmlns:a="http://
services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
</z:anyType>
```

Example for JSON

```
{ "__type": "GetMachineListRequest:http://\
services.varian.com\AriaWebConnect\Link", "Attributes": null }
```

Patient Diagnosis Handling

This topic provides examples for all available APIs.

CreatePatientDiagnosisRequest - Examples

Example for XML

```
<z:anyType i:type="a:CreatePatientDiagnosisRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:PatientDiagnosis>
    <a:AreaName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>CreateDiag</b:Value>
    </a:AreaName>
    <a:BehaviorCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>0</b:Value>
    </a:BehaviorCode>
    <a:ClinicalDescription xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>Malignant neoplasm of lower lip, vermilion
border</b:Value>
    </a:ClinicalDescription>
    <a:DiagnosisCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>140.1</b:Value>
    </a:DiagnosisCode>
    <a:DiagnosisCodeDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
      <b:Value>Malignant neoplasm of lower lip, vermilion
border</b:Value>
    </a:DiagnosisCodeDescription>
    <a:DiagnosisDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>2016-01-07T14:44:48+05:30</b:Value>
    </a:DiagnosisDate>
    <a:DiagnosisDetails xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>DiagnosisDetails</b:Value>
    </a:DiagnosisDetails>
    <a:DiagnosisMethodDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
      <b:Value>DiagnosisMethodDescription</b:Value>
    </a:DiagnosisMethodDescription>
```

```

    <a:DiagnosisMethodId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>1</b:Value>
    </a:DiagnosisMethodId>
    <a:DiagnosisScheme xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>19</b:Value>
    </a:DiagnosisScheme>
    <a:DiagnosisSiteId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>28</b:Value>
    </a:DiagnosisSiteId>
    <a:DiagnosisStatusDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>2016-01-07T00:00:00+05:30</b:Value>
    </a:DiagnosisStatusDate>
    <a:DiagnosisStatusId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>6</b:Value>
    </a:DiagnosisStatusId>
    <a:ErrorReasonDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
      <b:Value>The cancer code for this diagnosis was
Unchanged.</b:Value>
    </a:ErrorReasonDescription>
    <a:EvolvedDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>2016-01-07T14:44:48+05:30</b:Value>
    </a:EvolvedDate>
    <a:EvolvedFromPatientDiagnosisId xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
      <b:Value>0</b:Value>
    </a:EvolvedFromPatientDiagnosisId>
    <a:IsAdverseEvent xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>false</b:Value>
    </a:IsAdverseEvent>
    <a:IsConfirmed xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>false</b:Value>
    </a:IsConfirmed>
    <a:IsHistoric xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>false</b:Value>
    </a:IsHistoric>
    <a:IsICDCodeReported xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>false</b:Value>
    </a:IsICDCodeReported>

```

```

    <a:IsMetastasized xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value i:nil="true"/>
    </a:IsMetastasized>
    <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>true</b:Value>
    </a:IsValidEntry>
    <a:PatientDiagnosisId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value i:nil="true"/>
    </a:PatientDiagnosisId>
    <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>PID1_52727955272795527279</b:Value>
    </a:PatientId>
    <a:PrimaryCancerSiteId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value i:nil="true"/>
    </a:PrimaryCancerSiteId>
    <a:PrimaryPatientDiagnosisId xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
      <b:Value>0</b:Value>
    </a:PrimaryPatientDiagnosisId>
    <a:Ranking xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>1</b:Value>
    </a:Ranking>
    <a:Staging>
      <a:CancerStage>
        <a:BasisCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
          <b:Value>P</b:Value>
        </a:BasisCode>
        <a:CancerStageCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
          <b:Value>Stage X</b:Value>
        </a:CancerStageCode>
        <a:CancerStageId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
          <b:Value>1</b:Value>
        </a:CancerStageId>
        <a>DateStaged xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
          <b:Value>2016-01-07T14:44:48+05:30</b:Value>
        </a>DateStaged>
        <a>ErrorReasonDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
          <b:Value>Error Reason</b:Value>

```

```

        </a:ErrorReasonDescription>
        <a:IsApproved xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>true</b:Value>
        </a:IsApproved>
        <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>true</b:Value>
        </a:IsValidEntry>
        <a:IsWorkingStage xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>true</b:Value>
        </a:IsWorkingStage>
        <a:SchemeId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>220</b:Value>
        </a:SchemeId>
        <a:StageTimingId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value i:nil="true"/>
        </a:StageTimingId>
        <a:StagingCriteria>
            <a:StagingCriteria>
                <a:CriteriaCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                    <b:Value>M0</b:Value>
                </a:CriteriaCode>
                <a:HeaderCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                    <b:Value>M</b:Value>
                </a:HeaderCode>
                <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                    <b:Value>true</b:Value>
                </a:IsValidEntry>
            </a:StagingCriteria>
            <a:StagingCriteria>
                <a:CriteriaCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                    <b:Value>N0</b:Value>
                </a:CriteriaCode>
                <a:HeaderCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                    <b:Value>N</b:Value>
                </a:HeaderCode>
                <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                    <b:Value>true</b:Value>
                </a:IsValidEntry>
            </a:StagingCriteria>
        </a:StagingCriteria>
    </a:StagingCriteria>

```

```

        </a:StagingCriteria>
        <a:StagingCriteria>
            <a:CriteriaCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>T0</b:Value>
            </a:CriteriaCode>
            <a:HeaderCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>T</b:Value>
            </a:HeaderCode>
            <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>true</b:Value>
            </a:IsValidEntry>
        </a:StagingCriteria>
    </a:StagingCriteria>
</a:CancerStage>
</a:Staging>
</a:PatientDiagnosis>
</z:anyType>

```

Example for JSON

```

{"__type":"CreatePatientDiagnosisRequest:http://\
services.varian.com\AriaWebConnect\Link",
"Attributes":null,
"PatientDiagnosis":{"AreaName":{"Value":"CreateDiag"},
"BehaviorCode":{"Value":"0"},
"ClinicalDescription":{"Value":"Malignant neoplasm of lower
lip, vermilion border"},
"DiagnosisCode":{"Value":"140.1"},
"DiagnosisCodeDescription":{"Value":"Malignant neoplasm of
lower lip, vermilion border"},
"DiagnosisDate":{"Value":"2016-01-07T14:46:41+05:30"},
"DiagnosisDetails":{"Value":"DiagnosisDetails"},
"DiagnosisMethodDescription":
{"Value":"DiagnosisMethodDescription"},
"DiagnosisMethodId":{"Value":1},
"DiagnosisScheme":{"Value":19},
"DiagnosisSiteId":{"Value":28},
"DiagnosisStatusDate":{"Value":"2016-01-07T00:00:00+05:30"},
"DiagnosisStatusId":{"Value":6},
"ErrorReasonDescription":{"Value":"The cancer code for this
diagnosis was Unchanged."},
"EvolvedDate":{"Value":"2016-01-07T14:46:41+05:30"},
"EvolvedFromPatientDiagnosisId":{"Value":0},
"IsAdverseEvent":{"Value":false},
"IsConfirmed":{"Value":false},
"IsHistoric":{"Value":false},

```

```

"IsICDCodeReported":{"Value":false},
"IsMetastasized":{"Value":null},
"IsValidEntry":{"Value":true},
"PatientDiagnosisId":{"Value":null},
"PatientId":{"Value":"PID1_41914744191474419147"},
"PrimaryCancerSiteId":{"Value":null},
"PrimaryPatientDiagnosisId":{"Value":0},
"Ranking":{"Value":"1"},
"Staging":[{"BasisCode":{"Value":"P"}},
"CancerStageCode":{"Value":"Stage X"},
"CancerStageId":{"Value":1},
"DateStaged":{"Value":"2016-01-07T14:46:41+05:30"},
"ErrorReasonDescription":{"Value":"Error Reason"},
"IsApproved":{"Value":true},
"IsValidEntry":{"Value":true},
"IsWorkingStage":{"Value":true},
"SchemeId":{"Value":220},
"StageTimingId":{"Value":null},
"StagingCriteria":[{"CriteriaCode":{"Value":"M0"}},
"HeaderCode":{"Value":"M"},
"IsValidEntry":{"Value":true}},{"CriteriaCode":{"Value":"N0"}},
"HeaderCode":{"Value":"N"},
"IsValidEntry":{"Value":true}},{"CriteriaCode":{"Value":"T0"}},
"HeaderCode":{"Value":"T"},
"IsValidEntry":{"Value":true}}]]]]}

```

UpdatePatientDiagnosisRequest - Examples

Example for XML

```

<z:anyType i:type="a:UpdatePatientDiagnosisRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:PatientDiagnosis>
    <a:AreaName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>CreateDiag</b:Value>
    </a:AreaName>
    <a:BehaviorCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value i:nil="true"/>
    </a:BehaviorCode>
    <a:ClinicalDescription xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>Malignant neoplasm of lower lip, vermilion

```

```

border</b:Value>
  </a:ClinicalDescription>
  <a:DiagnosisCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>140.1</b:Value>
  </a:DiagnosisCode>
  <a:DiagnosisCodeDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
    <b:Value>Malignant neoplasm of lower lip, vermilion
border</b:Value>
  </a:DiagnosisCodeDescription>
  <a:DiagnosisDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2016-01-08T12:28:43+05:30</b:Value>
  </a:DiagnosisDate>
  <a:DiagnosisDetails xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>DiagnosisDetails</b:Value>
  </a:DiagnosisDetails>
  <a:DiagnosisMethodDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
    <b:Value>DiagnosisMethodDescription</b:Value>
  </a:DiagnosisMethodDescription>
  <a:DiagnosisMethodId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>1</b:Value>
  </a:DiagnosisMethodId>
  <a:DiagnosisScheme xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>19</b:Value>
  </a:DiagnosisScheme>
  <a:DiagnosisSiteId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>28</b:Value>
  </a:DiagnosisSiteId>
  <a:DiagnosisStatusDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2016-01-08T00:00:00+05:30</b:Value>
  </a:DiagnosisStatusDate>
  <a:DiagnosisStatusId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>6</b:Value>
  </a:DiagnosisStatusId>
  <a:ErrorReasonDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
    <b:Value>The cancer code for this diagnosis was
Unchanged.</b:Value>
  </a:ErrorReasonDescription>
  <a:EvolvedDate xmlns:b="http://services.varian.com/

```



```

AriaWebConnect/Common">
  <b:Value>2016-01-08T12:28:43+05:30</b:Value>
</a:EvolvedDate>
  <a:EvolvedFromPatientDiagnosisId xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
    <b:Value>0</b:Value>
  </a:EvolvedFromPatientDiagnosisId>
  <a:IsAdverseEvent xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>>false</b:Value>
  </a:IsAdverseEvent>
  <a:IsConfirmed xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>>false</b:Value>
  </a:IsConfirmed>
  <a:IsHistoric xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>>false</b:Value>
  </a:IsHistoric>
  <a:IsICDCodeReported xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>>false</b:Value>
  </a:IsICDCodeReported>
  <a:IsMetastasized xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value i:nil="true"/>
  </a:IsMetastasized>
  <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>>true</b:Value>
  </a:IsValidEntry>
  <a:PatientDiagnosisId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2</b:Value>
  </a:PatientDiagnosisId>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>PID1_33576433576433577</b:Value>
  </a:PatientId>
  <a:PrimaryCancerSiteId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value i:nil="true"/>
  </a:PrimaryCancerSiteId>
  <a:PrimaryPatientDiagnosisId xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
    <b:Value>0</b:Value>
  </a:PrimaryPatientDiagnosisId>
  <a:Ranking xmlns:b="http://services.varian.com/
AriaWebConnect/Common">

```

```

        <b:Value>1</b:Value>
    </a:Ranking>
    <a:Staging>
        <a:CancerStage>
            <a:BasisCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>P</b:Value>
            </a:BasisCode>
            <a:CancerStageCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>Stage X</b:Value>
            </a:CancerStageCode>
            <a:CancerStageId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>2</b:Value>
            </a:CancerStageId>
            <a:DateStaged xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>2016-01-08T12:28:43+05:30</b:Value>
            </a:DateStaged>
            <a:ErrorReasonDescription xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
                <b:Value>Error Reason</b:Value>
            </a:ErrorReasonDescription>
            <a:IsApproved xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>true</b:Value>
            </a:IsApproved>
            <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>true</b:Value>
            </a:IsValidEntry>
            <a:IsWorkingStage xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>true</b:Value>
            </a:IsWorkingStage>
            <a:SchemeId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value>220</b:Value>
            </a:SchemeId>
            <a:StageTimingId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                <b:Value i:nil="true"/>
            </a:StageTimingId>
            <a:StagingCriteria>
                <a:StagingCriteria>
                    <a:CriteriaCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
                        <b:Value>M0</b:Value>

```

```

        </a:CriteriaCode>
        <a:HeaderCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>M</b:Value>
        </a:HeaderCode>
        <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>>false</b:Value>
        </a:IsValidEntry>
    </a:StagingCriteria>
    <a:StagingCriteria>
        <a:CriteriaCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>N0</b:Value>
        </a:CriteriaCode>
        <a:HeaderCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>N</b:Value>
        </a:HeaderCode>
        <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>>false</b:Value>
        </a:IsValidEntry>
    </a:StagingCriteria>
    <a:StagingCriteria>
        <a:CriteriaCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>T0</b:Value>
        </a:CriteriaCode>
        <a:HeaderCode xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>T</b:Value>
        </a:HeaderCode>
        <a:IsValidEntry xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
            <b:Value>>false</b:Value>
        </a:IsValidEntry>
    </a:StagingCriteria>
</a:StagingCriteria>
</a:CancerStage>
</a:Staging>
</a:PatientDiagnosis>
</z:anyType>

```

Example for JSON

```

{"__type": "UpdatePatientDiagnosisRequest:http://\
services.varian.com\AriaWebConnect\Link",
"Attributes": null,

```

```

"PatientDiagnosis":{"AreaName":{"Value":"CreateDiag"},
"BehaviorCode":{"Value":null},
"ClinicalDescription":{"Value":"Malignant neoplasm of lower
lip, vermilion border"},
"DiagnosisCode":{"Value":"140.1"},
"DiagnosisCodeDescription":{"Value":"Malignant neoplasm of
lower lip, vermilion border"},
"DiagnosisDate":{"Value":"2016-01-08T12:31:11+05:30"},
"DiagnosisDetails":{"Value":"DiagnosisDetails"},
"DiagnosisMethodDescription":
{"Value":"DiagnosisMethodDescription"},
"DiagnosisMethodId":{"Value":1},
"DiagnosisScheme":{"Value":19},
"DiagnosisSiteId":{"Value":28},
"DiagnosisStatusDate":{"Value":"2016-01-08T00:00:00+05:30"},
"DiagnosisStatusId":{"Value":6},
"ErrorReasonDescription":{"Value":"The cancer code for this
diagnosis was Unchanged."},
"EvolvedDate":{"Value":"2016-01-08T12:31:11+05:30"},
"EvolvedFromPatientDiagnosisId":{"Value":0},
"IsAdverseEvent":{"Value":false},
"IsConfirmed":{"Value":false},
"IsHistoric":{"Value":false},
"IsICDCodeReported":{"Value":false},
"IsMetastasized":{"Value":null},
"IsValidEntry":{"Value":true},
"PatientDiagnosisId":{"Value":2},
"PatientId":{"Value":"PID1_63536336353633635363"},
"PrimaryCancerSiteId":{"Value":null},
"PrimaryPatientDiagnosisId":{"Value":0},
"Ranking":{"Value":"1"},
"Staging":[{"BasisCode":{"Value":"P"},
"CancerStageCode":{"Value":"Stage X"},
"CancerStageId":{"Value":2},
"DateStaged":{"Value":"2016-01-08T12:31:11+05:30"},
"ErrorReasonDescription":{"Value":"Error Reason"},
"IsApproved":{"Value":true},
"IsValidEntry":{"Value":true},
"IsWorkingStage":{"Value":true},
"SchemeId":{"Value":220},
"StageTimingId":{"Value":null},
"StagingCriteria":[{"CriteriaCode":{"Value":"M0"},
"HeaderCode":{"Value":"M"},
"IsValidEntry":{"Value":false}},{"CriteriaCode":{"Value":"N0"},
"HeaderCode":{"Value":"N"},
"IsValidEntry":{"Value":false}},{"CriteriaCode":{"Value":"T0"},
"HeaderCode":{"Value":"T"},
"IsValidEntry":{"Value":false}}]}]}]}

```

GetPatientDiagnosesRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetPatientDiagnosesRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:PatientDiagnosisId i:nil="true" xmlns:b="http://
services.varian.com/AriaWebConnect/Common"/>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>PID1_68360468360468361</b:Value>
  </a:PatientId>
</z:anyType>
```

Example for JSON

```
{"__type":"GetPatientDiagnosesRequest:http://\
services.varian.com/AriaWebConnect/Link",
"Attributes":null,
"PatientDiagnosisId":null,
"PatientId":{"Value":"PID1_90983749098374909836"}}
```

Appointment Handling

This topic provides examples for all available APIs.

CreateMachineAppointmentRequest - Examples

Example for XML

```
<z:anyType i:type="a:CreateMachineAppointmentRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:ActivityName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Daily Treatment</b:Value>
  </a:ActivityName>
  <a:ActivityNote xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Note</b:Value>
  </a:ActivityNote>
```

```

<a:ActivityStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Open</b:Value>
</a:ActivityStatus>
<a:AreaName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>AreaName</b:Value>
</a:AreaName>
<a:AssociatedResources>
<a:Resource>
<a:ResourceID xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Oncologist1</b:Value>
</a:ResourceID>
<a:ResourceType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Doctor</b:Value>
</a:ResourceType>
</a:Resource>
</a:AssociatedResources>
<a:DepartmentName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Oncology11</b:Value>
</a:DepartmentName>
<a:EndTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-01-07T03:11:00+05:30</b:Value>
</a:EndTime>
<a:HospitalName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>AA_Hospital_1</b:Value>
</a:HospitalName>
<a:MachineId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Varian2300CD</b:Value>
</a:MachineId>
<a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>PID1_39427943942794394279</b:Value>
</a:PatientId>
<a:ResourceType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Machine</b:Value>
</a:ResourceType>
<a:StartDateTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-01-07T02:56:00+05:30</b:Value>
</a:StartDateTime>
</z:anyType>

```

Example for JSON

```
{ "__type": "CreateMachineAppointmentRequest:http://services.varian.com/AriaWebConnect/Link",
  "Attributes": null,
  "ActivityName": { "Value": "Daily Treatment" },
  "ActivityNote": { "Value": "Note" },
  "ActivityStatus": { "Value": "Open" },
  "AreaName": { "Value": "AreaName" },
  "AssociatedResources": [ { "ResourceID": { "Value": "Oncologist1" },
    "ResourceType": { "Value": "Doctor" } } ],
  "DepartmentName": { "Value": "Oncology11" },
  "EndDateTime": { "Value": "2016-01-07T09:47:00+05:30" },
  "HospitalName": { "Value": "AA_Hospital_1" },
  "MachineId": { "Value": "Varian2300CD" },
  "ResourceType": { "Value": "Machine" },
  "PatientId": { "Value": "PID1_14060851406085140609" },
  "StartDateTime": { "Value": "2016-01-07T09:32:00+05:30" } }
```

UpdateMachineAppointmentRequest - Examples

Example for XML

```
<z:anyType i:type="a:UpdateMachineAppointmentRequest"
  xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/Foundation/SF/Gateway"/>
  <a:ActivityName xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>Daily Treatment</b:Value>
  </a:ActivityName>
  <a:ActivityNote xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>Note</b:Value>
  </a:ActivityNote>
  <a:ActivityStatus xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>Open</b:Value>
  </a:ActivityStatus>
  <a:AreaName xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>Caller Application Name</b:Value>
  </a:AreaName>
  <a:AssociatedResources>
    <a:Resource>
      <a:ResourceID xmlns:b="http://services.varian.com/AriaWebConnect/Common">
```

```

<b:Value>Oncologist1</b:Value>
</a:ResourceID>
<a:ResourceType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Doctor</b:Value>
</a:ResourceType>
</a:Resource>
</a:AssociatedResources>
<a:DepartmentName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Oncology11</b:Value>
</a:DepartmentName>
<a:EndTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-01-08T21:24:00+05:30</b:Value>
</a:EndTime>
<a:HospitalName xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>AA_Hospital_1</b:Value>
</a:HospitalName>
<a:IsTimeStampCheckRequired xmlns:b="http://
services.varian.com/AriaWebConnect/Common">
<b:Value>>false</b:Value>
</a:IsTimeStampCheckRequired>
<a:MachineId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Varian2300CD</b:Value>
</a:MachineId>
<a:NewEndTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-01-08T21:20:00+05:30</b:Value>
</a:NewEndTime>
<a:NewStartDateTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-01-08T21:07:00+05:30</b:Value>
</a:NewStartDateTime>
<a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>PID1_92081449208144920813</b:Value>
</a:PatientId>
<a:ResourceType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>Machine</b:Value>
</a:ResourceType>
<a:StartDateTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
<b:Value>2016-01-08T21:09:00+05:30</b:Value>
</a:StartDateTime>
<a:TimeStamp xmlns:b="http://services.varian.com/

```



```
AriaWebConnect/Common">
<b:Value>&#x0;&#x0;&#x0; 踉</b:Value>
</a:TimeStamp>
</z:anyType>
```

Example for JSON

```
{ "__type": "UpdateMachineAppointmentRequest:http://services.varian.com/AriaWebConnect/Link",
  "Attributes": null,
  "ActivityName": { "Value": "Daily Treatment" },
  "ActivityNote": { "Value": "Note" },
  "ActivityStatus": { "Value": "Open" },
  "AreaName": { "Value": "Caller Application Name" },
  "AssociatedResources": [ { "ResourceID": { "Value": "Oncologist1" },
    "ResourceType": { "Value": "Doctor" } } ],
  "DepartmentName": { "Value": "Oncology11" },
  "EndDateTime": { "Value": "2016-01-08T07:36:00+05:30" },
  "HospitalName": { "Value": "AA_Hospital_1" },
  "IsTimeStampCheckRequired": { "Value": false },
  "MachineId": { "Value": "Varian2300CD" },
  "NewEndDateTime": { "Value": "2016-01-08T22:08:00+05:30" },
  "NewStartDateTime": { "Value": "2016-01-08T21:55:00+05:30" },
  "PatientId": { "Value": "PIId1_20524892052489205249" },
  "ResourceType": { "Value": "Machine" },
  "StartDateTime": { "Value": "2016-01-08T07:21:00+05:30" },
  "TimeStamp": { "Value": "\u0000\u0000\u0000  } }
```

GetMachineAppointmentsRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetMachineAppointmentsRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/Foundation/SF/Gateway"/>
  <a:DepartmentName xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>Oncology11</b:Value>
  </a:DepartmentName>
  <a:EndDateTime xmlns:b="http://services.varian.com/AriaWebConnect/Common">
    <b:Value>2016-01-07T10:00:00+05:30</b:Value>
  </a:EndDateTime>
  <a:HospitalName xmlns:b="http://services.varian.com/AriaWebConnect/Common">
```

```

    <b:Value>AA_Hospital_1</b:Value>
  </a:HospitalName>
  <a:MachineId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Varian2300CD</b:Value>
  </a:MachineId>
  <a:StartDateTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2016-01-07T09:45:00+05:30</b:Value>
  </a:StartDateTime>
</z:anyType>

```

Example for JSON

```

{"__type": "GetMachineAppointmentsRequest:http:\\\\
services.varian.com\\AriaWebConnect\\Link",
"Attributes": null,
"DepartmentName": {"Value": "Oncology11"},
"EndDateTime": {"Value": "2016-01-07T04:47:00+05:30"},
"HospitalName": {"Value": "AA_Hospital_1"},
"MachineId": {"Value": "Varian2300CD"},
"StartDateTime": {"Value": "2016-01-07T04:32:00+05:30"}}

```

Billing Data Handling

This topic provides examples for all available APIs.

AcknowledgeBillingInfoReceivedRequest - Examples

Example for XML

```

<z:anyType i:type="a:AcknowledgeBillingInfoReceivedRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:ExportAcknowledgeDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2016-01-07</b:Value>
  </a:ExportAcknowledgeDate>
  <a:TSASerialNumber xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>7</b:Value>
  </a:TSASerialNumber>
</z:anyType>

```

Example for JSON

```
{ "__type": "AcknowledgeBillingInfoReceivedRequest:http://services.varian.com/AriaWebConnect/Link",  
  "Attributes": null,  
  "ExportAcknowledgeDate": { "Value": "2016-01-07" },  
  "TSASerialNumber": { "Value": 6 } }
```

GetBillingInfoRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetBillingInfoRequest" xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://www.w3.org/2001/XMLSchema-instance" xmlns:a="http://services.varian.com/AriaWebConnect/Link">  
  <Attributes i:nil="true" xmlns="http://services.varian.com/Foundation/SF/Gateway"/>  
  <a:EndDate xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>2016-01-07</b:Value>  
  </a:EndDate>  
  <a:HospitalName xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>AA_Hospital_1</b:Value>  
  </a:HospitalName>  
  <a:ReturnAllCharges xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>true</b:Value>  
  </a:ReturnAllCharges>  
  <a:SortMode xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>2</b:Value>  
  </a:SortMode>  
  <a:StartDate xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>2015-07-07</b:Value>  
  </a:StartDate>  
</z:anyType>
```

Example for JSON

```
{ "__type": "GetBillingInfoRequest:http://services.varian.com/AriaWebConnect/Link",  
  "Attributes": null,  
  "EndDate": { "Value": "2016-01-07" },  
  "HospitalName": { "Value": "AA_Hospital_1" },  
  "ReturnAllCharges": { "Value": true },
```

```
"SortMode":{"Value":2},
"StartDate":{"Value":"2015-07-07"}}
```

Radiation Therapy Data Handling

This topic provides examples for all available APIs.

GetPatientCoursesAndPlanSetupsRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetPatientCoursesAndPlanSetupsRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>AA_PatientId1</b:Value>
  </a:PatientId>
  <a:TreatmentType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Linac</b:Value>
  </a:TreatmentType>
</z:anyType>
```

Example for JSON

```
{"__type":"GetPatientCoursesAndPlanSetupsRequest:http://\
services.varian.com\AriaWebConnect\Link",
"Attributes":null,
"PatientId":{"Value":"AA_PatientId1"},
"TreatmentType":{"Value":"Linac"}}
```

GetPatientPlanSetupsRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetPatientPlanSetupsRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:CourseId xmlns:b="http://services.varian.com/AriaWebConnect/
```

```

Common">
  <b:Value>C1</b:Value>
</a:CourseId>
<a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>AA_PatientId1</b:Value>
</a:PatientId>
<a:PlanSetUpId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>Plan1</b:Value>
</a:PlanSetUpId>
</z:anyType>

```

Example for JSON

```

{"__type": "GetPatientPlanSetupsRequest:http:\\\\
services.varian.com\\AriaWebConnect\\Link",
"Attributes": null,
"CourseId": {"Value": "C1"},
"PatientId": {"Value": "AA_PatientId1"},
"PlanSetUpId": {"Value": "Plan1"}}

```

GetPatientPlansRequest - Examples

Example for XML

```

<z:anyType i:type="a:GetPatientPlansRequest" xmlns:z="http://
schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://
www.w3.org/2001/XMLSchema-instance" xmlns:a="http://
services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:CourseId xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>C1</b:Value>
  </a:CourseId>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>AA_PatientId1</b:Value>
  </a:PatientId>
  <a:PlanSetupId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>Plan1</b:Value>
  </a:PlanSetupId>
</z:anyType>

```

Example for JSON

```
{ "__type": "GetPatientPlansRequest:http:\\\\services.varian.com\\AriaWebConnect\\Link",  
  "Attributes": null,  
  "CourseId": { "Value": "C1" },  
  "PatientId": { "Value": "AA_PatientId1" },  
  "PlanSetupId": { "Value": "Plan1" } }
```

GetPatientPlanTxFieldsRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetPatientPlanTxFieldsRequest"  
  xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"  
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:a="http://services.varian.com/AriaWebConnect/Link">  
  <Attributes i:nil="true" xmlns="http://services.varian.com/Foundation/SF/Gateway"/>  
  <a:CourseId xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>C1</b:Value>  
  </a:CourseId>  
  <a:PatientId xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>AA_PatientId1</b:Value>  
  </a:PatientId>  
  <a:PlanId xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>Plan1</b:Value>  
  </a:PlanId>  
  <a:Scale xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>IEC</b:Value>  
  </a:Scale>  
</z:anyType>
```

Example for JSON

```
{ "__type": "GetPatientPlanTxFieldsRequest:http:\\\\services.varian.com\\AriaWebConnect\\Link",  
  "Attributes": null,  
  "CourseId": { "Value": "C1" },  
  "PatientId": { "Value": "AA_PatientId1" },  
  "PlanId": { "Value": "Plan1" },  
  "Scale": { "Value": "IEC" } }
```

GetPatientFieldsTreatedInfoRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetPatientFieldsTreatedInfoRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:CourseId xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>C1</b:Value>
  </a:CourseId>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>AA_PatientId1</b:Value>
  </a:PatientId>
  <a:TreatmentEndDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2015-11-19</b:Value>
  </a:TreatmentEndDate>
  <a:TreatmentStartDate xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2015-11-19</b:Value>
  </a:TreatmentStartDate>
</z:anyType>
```

Example for JSON

```
{"__type": "GetPatientFieldsTreatedInfoRequest:http://\
services.varian.com/AriaWebConnect/Link",
"Attributes": null,
"CourseId": {"Value": "C1"},
"PatientId": {"Value": "AA_PatientId1"},
"TreatmentEndDate": {"Value": "2015-11-19"},
"TreatmentStartDate": {"Value": "2015-11-19"}}
```

GetPatientRefPointsRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetPatientRefPointsRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
```

```

    <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
      <b:Value>AA_PatientId1</b:Value>
    </a:PatientId>
  </z:anyType>

POST https://puvawc01.vms.ad.varian.com:55051/Gateway/
Service.svc/rest/Process HTTP/1.1
ApiKey: 5E88C04C20F9355C
Authorization: Basic Z3Vlc3Q6Z3Vlc3Q=
Content-Type: application/json; charset=utf-8
Host: puvawc01.vms.ad.varian.com:55051
Content-Length: 151
Expect: 100-continue
Connection: Keep-Alive

```

Example for JSON

```

{"__type":"GetPatientRefPointsRequest:http://\
services.varian.com\AriaWebConnect\Link",
"Attributes":null,
"PatientId":{"Value":"AA_PatientId1"}}

```

GetPatientClinicalConceptsRequest - Examples

Example for XML

```

<z:anyType i:type="a:GetPatientClinicalConceptsRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:CourseId xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>C1</b:Value>
  </a:CourseId>
  <a:PatientId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>AA_PatientId1</b:Value>
  </a:PatientId>
  <a:PrescriptionId xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>P1</b:Value>
  </a:PrescriptionId>
</z:anyType>

```


Example for JSON

```
{ "__type": "GetPatientClinicalConceptsRequest:http:\\\\services.varian.com\\AriaWebConnect\\Link",  
  "Attributes": null,  
  "CourseId": { "Value": "C1" },  
  "PatientId": { "Value": "AA_PatientId1" },  
  "PrescriptionId": { "Value": "P1" } }
```

RFID Vendor Connectivity Handling

This topic provides examples for all available APIs.

GetPatientNameForIDRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetPatientNameForIDRequest"  
  xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"  
  xmlns:i="http://www.w3.org/2001/XMLSchema-instance"  
  xmlns:a="http://services.varian.com/AriaWebConnect/Link">  
  <Attributes i:nil="true" xmlns="http://services.varian.com/Foundation/SF/Gateway"/>  
  <a:Id xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>AA_PatientId1_SIN1</b:Value>  
  </a:Id>  
  <a:IdType xmlns:b="http://services.varian.com/AriaWebConnect/Common">  
    <b:Value>Social Insurance Number </b:Value>  
  </a:IdType>  
</z:anyType>
```

Example for JSON

```
{ "__type": "GetPatientNameForIDRequest:http:\\\\services.varian.com\\AriaWebConnect\\Link",  
  "Attributes": null,  
  "Id": { "Value": "AA_PatientId1_SIN1" },  
  "IdType": { "Value": "Social Insurance Number " } }
```

GetResourceDetailsForIDRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetResourceDetailsForIDRequest"  
  xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
```

```

xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:Id xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>Oncologist1</b:Value>
  </a:Id>
  <a:IdType xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>RFID</b:Value>
  </a:IdType>
</z:anyType>

```

Example for JSON

```

{"__type": "GetResourceDetailsForIDRequest:http://\
services.varian.com/AriaWebConnect/Link",
"Attributes": null,
"Id": {"Value": "Oncologist1"},
"IdType": {"Value": "RFID"}}

```

GetPatientAppointmentsForIDRequest - Examples

Example for XML

```

<z:anyType i:type="a:GetPatientAppointmentsForIDRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:AppointmentStatus xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>All</b:Value>
  </a:AppointmentStatus>
  <a:EndDateTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>2016-01-07T16:24:27+05:30</b:Value>
  </a:EndDateTime>
  <a:Id xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>AA_PatientId1_SIN1</b:Value>
  </a:Id>
  <a:IdType xmlns:b="http://services.varian.com/AriaWebConnect/
Common">
    <b:Value>Social Insurance Number
    </b:Value>
  </a:IdType>

```

```
<a:StartDateTime xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
  <b:Value>2015-12-08T16:24:27+05:30</b:Value>
</a:StartDateTime>
</z:anyType>
```

Example for JSON

```
{"__type":"GetPatientAppointmentsForIDRequest:http:\\\\
services.varian.com\\AriaWebConnect\\Link",
"Attributes":null,
"AppointmentStatus":{"Value":"All"},
"EndDateTime":{"Value":"2016-01-07T16:26:21+05:30"},
"Id":{"Value":"AA_PatientId1_SIN1"},
"IdType":{"Value":"Social Insurance Number  "},
"StartDateTime":{"Value":"2015-12-08T16:26:21+05:30"}}
```

Helper Services

This topic provides examples for all available APIs.

GetDiagnosisLookUpListRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetDiagnosisLookUpListRequest"
xmlns:z="http://schemas.microsoft.com/2003/10/Serialization/"
xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns:a="http://services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:LookUpLanguage xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>ENU</b:Value>
  </a:LookUpLanguage>
  <a:LookUpType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>DIAGNOSIS_METHOD</b:Value>
  </a:LookUpType>
</z:anyType>
```

Example for JSON

```
{"__type":"GetDiagnosisLookUpListRequest:http:\\\\
services.varian.com\\AriaWebConnect\\Link",
"Attributes":null,
```

```
"LookUpLanguage":{"Value":"ENU"},
"LookUpType":{"Value":"DIAGNOSIS_METHOD"}}
```

GetLookUpListRequest - Examples

Example for XML

```
<z:anyType i:type="a:GetLookUpListRequest" xmlns:z="http://
schemas.microsoft.com/2003/10/Serialization/" xmlns:i="http://
www.w3.org/2001/XMLSchema-instance" xmlns:a="http://
services.varian.com/AriaWebConnect/Link">
  <Attributes i:nil="true" xmlns="http://services.varian.com/
Foundation/SF/Gateway"/>
  <a:LookUpLanguage xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>ENU</b:Value>
  </a:LookUpLanguage>
  <a:LookUpType xmlns:b="http://services.varian.com/
AriaWebConnect/Common">
    <b:Value>MARITAL_STATUS</b:Value>
  </a:LookUpType>
</z:anyType>
```

Example for JSON

```
{"__type":"GetLookUpListRequest:http://services.varian.com/
AriaWebConnect/Link",
"Attributes":null,
"LookUpLanguage":{"Value":"ENU"},
"LookUpType":{"Value":"MARITAL_STATUS"}}
```

Index

A

Access Rights [39](#)
AcknowledgeBillingInfoReceivedRequest [55](#)
AcknowledgeBillingInfoReceivedRequest -
 Examples [122](#)
ARIA Access web services [10](#)
AssignDoctorToPatientRequest [33](#)
AssignDoctorToPatientRequest - Examples [102](#)
Authentication Types [8](#)
Authorization [10](#)

B

Basic Authentication [10](#)

C

Calling a web service [6](#)
CreateDoctorRequest [30](#)
CreateDoctorRequest - Examples [98](#)
CreateMachineAppointmentRequest [47](#)
CreateMachineAppointmentRequest - Examples
 [117](#)
CreatePatientDiagnosisRequest [39](#)
CreatePatientDiagnosisRequest - Examples [106](#)
CreatePatientRequest [13](#)
CreatePatientRequest - Examples [79](#)
customer support [5](#)

E

emailing Varian customer support [5](#)
End Points [8](#)
Error Handling
 API Key [8](#)
 Posting a Request [8](#)
Error Types [78](#)
Examples for Appointment Handling [117](#)
Examples for Billing Data Handling [122](#)
Examples for Helper Services [131](#)
Examples for Patient Diagnosis Handling [106](#)
Examples for Radiation Therapy Data Handling
 [124](#)
Examples for Resource Handling [98](#)

Examples for RFID Vendor Connectivity
Handling [129](#)

G

GetBillingInfoRequest [55](#)
GetBillingInfoRequest - Examples [123](#)
GetDiagnosisLookUpListRequest [76](#)
GetDiagnosisLookUpListRequest - Examples
 [131](#)
GetDoctorInfoRequest [32](#)
GetDoctorsAssignedToPatientRequest [37](#)
GetDoctorsAssignedToPatientRequest -
 Examples [105](#)
GetDoctorsInfoRequest - Examples [102](#)
GetLookUpListRequest [76](#)
GetLookUpListRequest - Examples [132](#)
GetMachineAppointmentsRequest [52](#)
GetMachineListRequest [38](#)
GetMachineListRequest - Examples [105](#)
GetPatientAppointmentsForIDRequest [73](#)
GetPatientAppointmentsForIDRequest -
 Examples [130](#)
GetPatientClinicalConceptsRequest [70](#)
GetPatientClinicalConceptsRequest - Examples
 [128](#)
GetPatientCoursesAndPlanSetupsRequest [60](#)
GetPatientCoursesAndPlanSetupsRequest -
 Examples [124](#)
GetPatientDiagnosesRequest [44](#)
GetPatientDiagnosesRequest - Examples [117](#)
GetPatientFieldsTreatedInfoRequest [66](#)
GetPatientFieldsTreatedInfoRequest -
 Examples [127](#)
GetPatientNameForIDRequest [72](#)
GetPatientNameForIDRequest - Examples [129](#)
GetPatientPlanSetupsRequest [61](#)
GetPatientPlanSetupsRequest - Examples [124](#)
GetPatientPlansRequest [62](#)
GetPatientPlansRequest - Examples [125](#)
GetPatientPlanTxFieldsRequest [64](#)
GetPatientPlanTxFieldsRequest - Examples [126](#)
GetPatientRefPointsRequest [69](#)
GetPatientRefPointsRequest - Examples [127](#)
GetPatientsRequest [26](#)
GetPatientsRequest - Examples [97](#)

[GetResourceDetailsForIDRequest](#) [72](#)
[GetResourceDetailsForIDRequest - Examples](#)
[129](#)

I

Importing certificate
 Gateway URL [6](#)
 XML and JSON Examples [6](#)

M

Multiple Patient Names [29](#)
MyVarian [5](#)

O

online customer support [5](#)
ordering product documents by phone [5](#)
Overview
 Prerequisite [4](#)

R

Required Dependency Checks [78](#)
REST [9](#)

S

SOAP [9](#)

SoapUI [7](#)
support e-mail addresses [5](#)

T

technical support [5](#)
Testing a Web Service [7](#)

U

[UpdateDoctorAssignedToPatientRequest](#) [35](#)
[UpdateDoctorAssignedToPatientRequest - Examples](#) [103](#)
[UpdateMachineAppointmentRequest](#) [49](#)
[UpdateMachineAppointmentRequest - Examples](#) [119](#)
[UpdatePatientDiagnosisRequest](#) [42](#)
[UpdatePatientDiagnosisRequest - Examples](#)
 [111](#)
[UpdatePatientRequest](#) [19](#)
[UpdatePatientRequest - Examples](#) [88](#)

V

Varian customer support [5](#)
visual cues [4](#)

W

Windows Integrated Authentication [8](#)