

ACCME PARS Web Services Supplemental Guide for Opioid Analgesic REMS

Production Release Documentation

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Contents

| | |
|--|---|
| Introduction | 3 |
| General Information | 3 |
| Security | 3 |
| Resources for Developers | 3 |
| Data Validation..... | 3 |
| Outline of steps for implementing ACCME PARS web services for OAREMS | 3 |
| REMS Learner Data REST Web Service | 4 |

Introduction

The ACCME has implemented web services to enable the submission of Opioid Analgesic REMS (OAREMS) learner data to its Program and Activity Reporting System (PARS) directly from software applications. This guide contains information specific to those organizations participating in the Opioid Analgesic REMS program. General PARS web service information can be found in the [ACCME PARS Web Services](#) guide.

Making use of web services requires modifications to software by developers with technical knowledge of the learning management system and its data structure. The information in this document is intended for the information technology professionals who support accredited organizations participating in the Opioid Analgesic REMS program. It is beyond the scope of these instructions to describe how to create or edit XML files in general, or how to export data from specific tracking systems.

General Information

A single web service is available for the Opioid Analgesic REMS Program. The **REMS Learner Data Web Service** offers a method for submitting de-identified learner data in accordance with the requirements of the OAREMS program. Prior to submitting REMS learner data, OAREMS activities must first be manually registered for the OAREMS program in PARS.

Security

The web services utilize encryption for all data. All provider connections to the PARS web services need to be configured to use the TLS 1.2 encryption protocol.

Resources for Developers

A PARS sandbox site is available to providers and IT professionals to aid in the development and testing of software designed to use the PARS web service. Also, a web services test site is available for IT professionals to use in testing the web service methods.

Data Validation

REMS learner data submitted using the SaveREMSLearnerActivity method is sent immediately to PARS. A response indicating the record was “Accepted” or “Rejected” will be returned in real time. Error conditions will be indicated for rejected records.

Outline of steps for implementing ACCME PARS web services for OAREMS

Share this document with the technical professional that can modify your tracking system. This person should perform the following steps:

- Download the current XML file materials for reporting REMS learner data. This .zip file contains XSD files, example XML and documentation.
 - <http://www.accme.org/publications/pars-rems-xml-templates>
- Review these materials and the current document.

- Have the primary contact person for your organization request ACCME to provision a web services user account and access to the sandbox platform, by sending an email to info@accme.org . ACCME will issue a web services user account for code interaction with the sandbox platform and a user account for the sandbox user interface.
- Create XML output from your data management system. Perform test validation of your XML using the ACCME web services test site.
- Design web service calls and test against the sandbox platform version of PARS.
- Contact the ACCME by email to info@accme.org to request provisioning the production web services user account.
- Deploy the updated application in your production environment with settings to communicate with the production version of PARS.

REMS Learner Data REST Web Service

Purpose of this Service:

The purpose of this web service is to expose methods to enable interaction between applications to add de-identified REMS learner data to the ACCME PARS database. REMS learner data can be added only for activities previously registered for the OAREMS program.

This service has one method:

- SaveREMSLearnerActivity

Data Specifications

This web service supports REST requests with REST responses.

URL:

<https://lrs.accme.org/services/accmeremslearnerservice.svc/IACCMEREMSLearnerServiceREST>

Endpoint:

<https://lrs.accme.org/services/accmeremslearnerservice.svc/IACCMEREMSLearnerServiceREST/SaveREMSLearnerActivity/>

Example XML Request Record:

This record is an example de-identified learner record for completion of an OAREMS activity.

```
<SubmitMessage
xmlns="http://schemas.datacontract.org/2004/07/ACCMEDataServices.ServiceObjects">
  <Data>&lt;accme:ACCMELearnerReports xmlns="http://ns.medbiq.org/activityreport/v2/"
xmlns:accme="http://www.accme.org/ACCMELearnerReports"
xmlns:ex="http://www.accme.org/ACCMELearnerReportExtension"
xmlns:ar="http://ns.medbiq.org/activityreport/v2/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:lom="http://ltsc.ieee.org/xsd/LOM" xmlns:m="http://ns.medbiq.org/member/v1/"
xmlns:n="http://ns.medbiq.org/name/v1/" xmlns:hx="http://ns.medbiq.org/lom/extend/v1/"
xmlns:a="http://ns.medbiq.org/address/v1/"
```

xsi:schemaLocation="http://www.accme.org/ACCME LearnerReports
ACCME LearnerReports.xsd">
<ar:ActivityReports>
<ar:DateTimeCreated>2019-06-01T03:00:00</ar:DateTimeCreated>
<ar:ActivityReport>
<ar:ReportingOrganization>AAA Test
Organization</ar:ReportingOrganization>
<Participants>
<Participant>
<LocalIdentifier
domain="idd:non.esuch.edu:ce">H046431</LocalIdentifier>
<StateOfPrimaryPractice>Michigan</StateOfPrimaryPractice>
<DEARegistration>Individual</DEARegistration>
<Profession>Physician</Profession>
<PracticeArea>General Surgery</PracticeArea>
<SurgicalProcedures>true</SurgicalProcedures>
<TimeInPractice>0-5 years post training</TimeInPractice>
</Participant>
</Participants>
<ar:Activity>
<ar:ProviderOrganization>1234567</ar:ProviderOrganization>
<ar:ActivityName>200927983</ar:ActivityName>
<RegulatoryInformation>
<CompliantToRegulation
label="OAREMS">http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM20
18.pdf</CompliantToRegulation>
</RegulatoryInformation>
<ar:Module>
<ar:ModuleName moduleID="200927983">Opioid
Prescribing</ar:ModuleName>
<ar:Status>Completed</ar:Status>

```

        <ar:CompletedDateTime>2019-05-
15T01:01:01</ar:CompletedDateTime>
        </ar:Module>
        </ar:Activity>
        <ar:XtensibleInfo>
            <ex:LearnerRecordAction>add</ex:LearnerRecordAction>
        </ar:XtensibleInfo>
        </ar:ActivityReport>
    </ar:ActivityReports>
</accme:ACCMELearnerReports></Data>
    <Password>your_password</Password>
    <ProviderId>1234567</ProviderId>
    <ReportingYear>2019</ReportingYear>
    <User>xyz@accme.org</User>
</SubmitMessage>

```

Example response record

```

<ResponseMessage xmlns:i="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://schemas.datacontract.org/2004/07/ACCMEDataServices.ServiceObjects">
    <Data>&lt;accme:ACCMELearnerReports xmlns="http://ns.medbiq.org/activityreport/v2/"
xmlns:accme="http://www.accme.org/ACCMELearnerReports"
xmlns:ex="http://www.accme.org/ACCMELearnerReportExtension"
xmlns:ar="http://ns.medbiq.org/activityreport/v2/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:lom="http://ltsc.ieee.org/xsd/LOM" xmlns:m="http://ns.medbiq.org/member/v1/"
xmlns:n="http://ns.medbiq.org/name/v1/" xmlns:hx="http://ns.medbiq.org/lom/extend/v1/"
xmlns:a="http://ns.medbiq.org/address/v1/"
xsi:schemaLocation="http://www.accme.org/ACCMELearnerReports
ACCMELearnerReports.xsd"&gt;
        <ar:ActivityReports>
            <ar:DateTimeCreated>2019-06-01T03:00:00</ar:DateTimeCreated>
            <ar:ActivityReport>
                <ar:ReportingOrganization>AAA Test

```

```

Organization</ar:ReportingOrganization>
  <Participants>
    <Participant>
      <LocalIdentifier
domain="idd:nonesuch.edu:ce">H046431</LocalIdentifier>
      <StateOfPrimaryPractice>Michigan</StateOfPrimaryPractice>
      <DEARegistration>Individual</DEARegistration>
      <Profession>Physician</Profession>
      <PracticeArea>General Surgery</PracticeArea>
      <SurgicalProcedures>true</SurgicalProcedures>
      <TimeInPractice>0-5 years post training</TimeInPractice>
    </Participant>
  </Participants>
  <ar:Activity>
    <ar:ProviderOrganization>1234567</ar:ProviderOrganization>
    <ar:ActivityName>200927983</ar:ActivityName>
    <RegulatoryInformation>
      <CompliantToRegulation
label="OAREMS">http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM2
018.pdf</CompliantToRegulation>
      </RegulatoryInformation>
    <ar:Module>
      <ar:ModuleName moduleID="200927983">Opioid
Prescribing</ar:ModuleName>
      <ar:Status>Completed</ar:Status>
      <ar:CompletedDateTime>2019-05-15T01:01:01</ar:CompletedDateTime>
    </ar:Module>
  </ar:Activity>
  <ar:XtensibleInfo>
    <ex:LearnerRecordAction>add</ex:LearnerRecordAction>
  </ar:XtensibleInfo>
  <ar:ActivityReport>
    </ar:ActivityReports>
  </ar:ActivityReports>
</accme:ACCMELearnerReports></Data>
  <StatusCode>Accepted</StatusCode>
</ResponseMessage>

```