



XML data format for reporting REMS learner data to PARS

This document defines the elements to be used by providers when reporting learner completion data to ACCME's Program and Activity Reporting System (PARS) for the Opioid Analgesic REMS program. The XML schema is based on version 1.54 of the **Medbiquitous ActivityReports** standard.

Some key points:

1. De-identified learner data is being collected in PARS for CME activities which have been registered for the Opioid Analgesic REMS program. Learner completion data that is not associated with an activity registered for the Opioid Analgesic REMS program will result in file validation errors.
2. This description includes only the data elements that are required to submit learner data to PARS. For complete documentation on all data elements that are supported by the Medbiquitous standard, please refer to the Medbiquitous website. Note that the ActivityReport standard incorporates by reference portions of the Healthcare Professional Profile and Healthcare Learning Objects Metadata (LOM) standards.
3. ACCME has extended the Medbiquitous schema by adding a custom root container (ACCMELEarnerReports) and a subelement in the ActivityReport XtensibleInfo element to store metadata related to record transaction operations.
4. PARS will expect an ActivityReport element container for each participant completion record in the file. Each ActivityReport container will include one completion record for one learner.
5. **Guidance on Submitting Date and Time Data:** When submitting data for elements that include both date and time, best practice is to submit only the **date**.
 - **For learner records:** Any time value provided will be ignored.

To ensure data accuracy and consistency, please submit **only the date** unless the time is explicitly required.

Examples:

```
<ar:DateTimeCreated>2025-03-17</ar:DateTimeCreated>  
<ar:CompletedDateTime>2025-03-17</ar:CompletedDateTime>
```



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Learner Completion Data Elements

Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
ACCMELearnerReports	Super root element container for ActivityReports	1	1	Complex	ACCMELearnerReports is the container for all participant completion records.
ActivityReports	Medbiquitous-defined container element. Contains one or more individual ActivityReport elements.	1	1	Complex	
DateTimeCreated	The date the current LearnerReports file was created.	1	1	Date/Time	Use format <i>yyyy-mm-dd</i> (Example: 2018-07-30)



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
ActivityReport	Medbiquitous-defined container element.	1	many	Complex	Each ActivityReport element holds data for one learner completing one activity. For XML batch file uploads, multiple ActivityReport elements may be included in a single file. For records submitted using the PARS web services, only a single ActivityReport element should be included.
ReportingOrganization	Name of the organization that is the accredited provider of the CME activity.	1	1	String	Full name of the provider (Example: Western Regional Medical Center).
Participants	Container element.	1	1	Container	
Participant	Sub-element of Participants. Contains subelements that describe demographic details for a single learner.	1	1	Container	Only the sub-elements listed in this document are required.
LocalIdentifier	An alphanumeric identifier for the learner used internally by the reporting organization. This should not allow other organizations to identify the learner.	1	1	String	



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
Domain	Attribute of LocalIdentifier. Must be in format <i>idd:domainname:localidentifiertype</i> where <i>domainname</i> is the domain name of the accredited provider and <i>localidentifiertype</i> is a local identifier for the type of unique ID.	1	1	String	Example: idd:university.edu:ce
StateOfPrimaryPractice	The state that the learner has identified as being the primary state in which he or she practices.	0	1	String	Use the full name of the state. Example: Michigan
DEARegistration	Indicates whether the learner is able to prescribe controlled substances, and if so, the type of registration which allows him or her to do so.	0	1	Restricted	Valid values: Individual, Institutional, None
Profession	The learner's profession.	1	1	Restricted	Valid values: Physician, Advanced practice nurse, Physician Associate, Dentist, Podiatrist, Nurse, Pharmacist, Optometrist, Psychologist, Other healthcare professional, Other.



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
PracticeArea	The clinical area in which the learner practices.	0	1	Restricted	Valid values: Addiction, Anesthesiology, Critical Care, Dentistry, Emergency, Family Medicine, Geriatric, Hematology, Hospice and/or Palliative Care, Internal Medicine, Neurology, Obstetrics/Gynecology, Oncology, Ophthalmology, Pain, Pediatric, Physical Medicine and Rehabilitation, Psychiatry, General Surgery, Orthopedic surgery, Other surgical specialty, Urology, Other, N/A.
SurgicalProcedures	Indicates whether the learner performs surgical procedures.	0	1	Boolean	
TimeInPractice	The length of time the learner has been in practice.	0	1	Restricted	Valid values: Trainee, 0-5 years post training, 6-10 years, 11-15 years, 16-20 years, 21+ years.
Activity	Sub-element of ActivityReport	1	1	Container	Holds data elements for learner's completion of the CME activity.
ProviderOrganization	Organization ID number for the accredited provider of the CME activity.	1	1	String	Use the ACCME-issued 7-digit organization ID number, including any leading zeroes. (Example: 0008001).
ActivityName	Sub-element of Activity identifying the CME activity.	1	1	String	Use the ACCME-issued 9 digit Activity ID number (Example: 200654321).
RegulatoryInformation	Sub-element of Activity	1	1	Container	Holds data elements that describe the activity's relationship to any regulations.



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Element Name	Description	Min Occurs	Max Occurs	Type	ACCME Business Rules
CompliantToRegulation	Sub-element of RegulatoryInformation. Indicates that the activity described is compliant to a regulation.	1	1	String/URL	For Opioid Analgesic REMS program, use http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM2018.pdf
Label	Attribute of CompliantToRegulation. Labels the regulation.	1	1	String	For Opioid Analgesic REMS program, use "Opioid REMS"
Module	Sub-element of Activity	1	1	Container	Holds data elements for the learner's completion of the CME activity.
ModuleName	The name/title of the CME activity. Sub-element of Module.	1	1	String	Text name of the CME activity (Example: Western Regional Conference 2018).
moduleID	Attribute for ModuleName. The unique identifier for the activity.	1	1	String	User the ACCME-issued 9 digit Activity ID number (Example: 200654321).
Status	The status of the learner's completion of this activity. Sub-element of Module.	1	1	String (restricted)	The only accepted value is <i>Completed</i> . Any other value will cause the record to be rejected.
CompletedDateTime	The date for the learner's completion of the activity. CompletedDateTime must fall on or between the start and end dates of the activity. Sub-element of Module.	1	1	Date/Time	Use the format YYYY-MM-DD. (Example: 2018-08-01).
XtensibleInfo	Container for custom elements added by ACCME. Sub-element of ActivityReport.	1	1	Container	
LearnerRecordAction	Describes the data transaction for the current ActivityReport record. Sub-element of XtensibleInfo.	1	1	String (restricted)	Use <i>add</i> for reporting a learner completion. Use <i>delete</i> for reporting the removal of a learner completion record.



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Example Record

Following is an example of an ACCME Learner Reports record formatted for reporting de-identified learner completion of an Opioid Analgesic REMS activity. This record contains non-production data; providers will need to supply references to valid activity records in their own account in PARS when reporting data.

```
<accme:ACCME LearnerReports xsi:schemaLocation="http://www.accme.org/ACCME LearnerReports ACCME LearnerReports.xsd">
  <ar:ActivityReports>
    <ar:DateTimeCreated>2018-06-01</ar:DateTimeCreated>
    <ar:ActivityReport>
      <ar:ReportingOrganization>Western Regional Medical Center</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>0008001</ar:ProviderOrganization>
        <ar:ActivityName>200928702</ar:ActivityName>
        <RegulatoryInformation>
          <CompliantToRegulation label="Opioid
REMS">http://www.accessdata.fda.gov/drugsatfda_docs/label/2018/OpioidREM2018.pdf</CompliantToRegulation>
        </RegulatoryInformation>
        <ar:Module>
          <ar:ModuleName moduleID="200928702">rss</ar:ModuleName>
          <ar:Status>Completed</ar:Status>
          <ar:CompletedDateTime>2018-05-15</ar:CompletedDateTime>
        </ar:Module>
      </ar:Activity>
    </ar:ActivityReport>
  </ar:ActivityReports>
</accme:ACCME LearnerReports>
```



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```
        </ar:Activity>
        <ar:XtensibleInfo>
            <ex:LearnerRecordAction>add</ex:LearnerRecordAction>
        </ar:XtensibleInfo>
    </ar:ActivityReport>
</ar:ActivityReports>
</accme:ACCMELearnerReports>
```