



Mississippi Department of Mental Health (DMH)

Provider Submission Guide – Service Event

Last Revision Date: 2/24/2021

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Version Control

| Date | Version | Author(s) | Brief Description of Change |
|-----------|---------|-----------------|-------------------------------------|
| 1/13/2020 | 1.0 | Savi Sahni | Initial Draft |
| 4/21/2020 | 1.1 | Shelby Maloney | Added Version Control |
| 2/24/2021 | 1.2 | Prashanth Reddy | Added Client SRI as optional field. |

1 Service Event Data Set

1.1 Submitting Service Event Data

Service Event data must be submitted for all clients served.

Provider Treatment Episode information must already exist in the Data Warehouse before Service Event data can be submitted.

Service Event data should be re-submitted after any part of the Service Event needs to be added, changed, or removed.

1.2 Service Event Domain Diagram

The following diagram depicts the relationships between all objects in the Service Event domain in the Data Warehouse.



1.3 Service Event Entities

This section defines the entities involved in the Service Event data set.

The Service Event data set is used at the state level to collect and report the types and frequency of services provided in provider agencies to specific individuals.

Service Event data set is a critical component for supporting billing and payment processes and for being able to identify how services impacted treatment episode outcomes.

1.3.1 ServiceEvent

1.3.1.1 Description

A Service Event represents a specific treatment encounter for a client with a substance use, mental health, or other disorder, in a provider site as part of their treatment program. A Service Event will be uniquely identified in the Data Warehouse by the combination of the Provider's Source Record Identifier for the Service Event and the Source Record Identifier for the Provider. Providers are required to submit a unique Source Record Identifier for each Service Event within each Provider. Therefore, no two Service Event records can be submitted with the same Service Event Source Record Identifier and Provider Source Record Identifier combination.

1.3.1.2 Key Fields

The fields in this entity that will be used to uniquely identify a record, to determine whether to create or update an existing record, and to delete an existing record are:

| Field |
|-------|
|-------|

Source Record Identifier

Provider Source Record Identifier

1.3.1.3 Fields

The fields in this entity, along with a description and associated validation rules for each are:

| Field | Description | Validation Rules | | | | | | |
|---|--|---|-------------|----------|------------------------------|---|--------------------------------------|---------------------------------|
| Source Record Identifier | The provider's internal system identifier for the Service Event record. | Data Type Validation | | | | | | |
| | | string Failed parsing value to type string | | | | | | |
| | | Length Validation | | | | | | |
| | | 100 Value length must be less than or equal to '100' | | | | | | |
| | | Errors | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Rule Name</th> <th>Message</th> <th>Additional Values in Message</th> </tr> </thead> <tbody> <tr> <td>Source Record Identifier Required Rule</td> <td>Source Record Identifier is required</td> <td></td> </tr> </tbody> </table> | Rule Name | Message | Additional Values in Message | Source Record Identifier Required Rule | Source Record Identifier is required | |
| Rule Name | Message | Additional Values in Message | | | | | | |
| Source Record Identifier Required Rule | Source Record Identifier is required | | | | | | | |
| | | Guidance | | | | | | |
| | | Note The SourceRecordIdentifier must be a unique identifier for this record in the source system. It must be a value that is unique and never changes. Examples of unique identifiers are Identity, AutoNumber or GUID. If the source system does not have a unique identifier, one can be constructed. A constructed SourceRecordIdentifier might contain the values that make this record unique and never change, separated by a delimiter. | | | | | | |
| Provider Source Record Identifier | The provider's internal system identifier for the Provider record this Service Event is associated with. | Data Type Validation | | | | | | |
| | | string Failed parsing value to type string | | | | | | |
| | | Linkage Validation | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Description</th> <th>Required</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>Must match the Source Record Identifier for a single Provider already set up in the</td> <td>Yes</td> <td>Cannot find matching 'Provider'</td> </tr> </tbody> </table> | Description | Required | Message | Must match the Source Record Identifier for a single Provider already set up in the | Yes | Cannot find matching 'Provider' |
| Description | Required | Message | | | | | | |
| Must match the Source Record Identifier for a single Provider already set up in the | Yes | Cannot find matching 'Provider' | | | | | | |

Mississippi Data Warehouse

Episode Source Record Identifier The provider’s internal system identifier for the Provider Treatment Episode record this Service Event is associated with.

Data Type Validation

| Data Type | Message |
|---------------|-------------------------------------|
| string | Failed parsing value to type string |

Linkage Validation

| Description | Required | Message |
|--|----------|--|
| Must match the Source Record Identifier for a single Provider Treatment Episode already set up in the Data Warehouse for the Provider identified by the Service Event’s Provider Source Record Identifier | Yes | Cannot find matching ‘ProviderTreatmentEpisode’ OR Cannot find matching ‘ProviderTreatmentEpisode’ because cannot find matching parent ‘Provider’ |

Admission Source Record Identifier The provider’s internal system identifier for the Admission this Service Event is associated with.

Data Type Validation

| Data Type | Message |
|---------------|-------------------------------------|
| string | Failed parsing value to type string |

Linkage Validation

| Description | Required | Message |
|---|----------|--|
| Must match the Source Record Identifier for a single Admission already set up in the Data Warehouse for the Provider identified by the Service Event’s Provider Source Record Identifier and for the Provider Treatment Episode identified by the Service Event’s Episode Source Record Identifier | Yes | Cannot find matching ‘Admission’ OR Cannot find matching ‘Admission’ because cannot find matching parent ‘ProviderTreatmentEpisode’ |

Client Source Record Identifier The provider’s internal system identifier for the Provider Client record this Service Event is associated with.

Data Type Validation

| Data Type | Message |
|---------------|-------------------------------------|
| string | Failed parsing value to type string |

Errors

| Rule Name | Message | Additional Values in Message |
|-----------|---------|------------------------------|
|-----------|---------|------------------------------|

The Client Source Record Identifier In The Service Event Should Match With The Client Source Record Identifier Present In Treatment Episode Rule.

The Client Source Record Identifier in the Service Event should match with the Client Source Record Identifier present in Treatment Episode.

Linkage Validation

| Description | Required | Message |
|--|----------|---|
| Must match the Source Record Identifier for a single Provider Client already set up in the Data Warehouse for the Provider identified by the Service Event’s Provider Source Record Identifier. | Yes | Cannot find matching ‘ProviderClient’ OR Cannot find matching ‘ProviderClient’ because cannot find matching parent ‘Provider’ |

Guidance

| Note |
|----------|
| Optional |

Service Code

The code indicating the service that is being provided to the client.

Data Type Validation

| Data Type | Message |
|---------------|-------------------------------------|
| string | Failed parsing value to type string |

Vocabulary Validation

| Rule | Message |
|--|---------------------------------|
| Must be a valid Vocabulary value from the Mississippi Code System, for the Service Value Set | Unknown code for type ‘Service’ |

Errors

| Rule Name | Message | Additional Values in Message |
|-----------------------------------|--------------------------|------------------------------|
| Service Code Required Rule | Service Code is required | |

Start Date

Date the service began.

Data Type Validation

| Data Type | Message | Note |
|-------------|-----------------------------------|---|
| date | Failed parsing value to type Date | Refer to the Appendix document for Common Data Types . |

Errors

| Rule Name | Message | Additional Values in Message |
|--|---|------------------------------|
| Start Date Required Rule | Start Date is required | |
| Start Date Must Be Less Than Or Equal To Current Date Rule | Start Date must be less than or equal to the current date | |
| Start Date Must Be Greater Than Or Equal To Admission Date Rule | Start Date must be greater than or equal to the Admission Date. | |
| Start Date Must Be Less Than Or Equal To End Date Rule | Start Date must be less than or equal to the End Date | |

End Date Date the service ended.

Data Type Validation

| | | |
|-------------|-----------------------------------|---|
| date | Failed parsing value to type Date | Refer to the Appendix document for Common Data Types . |
|-------------|-----------------------------------|---|

Errors

| Rule Name | Message | Additional Values in Message |
|--|---|------------------------------|
| End Date Required Rule | End Date is required | |
| End Date Must Be Less Than Or Equal To Current Date Rule | End Date must be less than or equal to the current date | |
| End Date Must Be Greater Than Or Equal To Admission Date Rule | End Date must be greater than or equal to the Admission Date. | |

Start Time Time the service began in HHMM (24 hour) format.

Data Type Validation

| | | |
|---------------|-------------------------------------|--|
| string | Failed parsing value to type string | |
|---------------|-------------------------------------|--|

Errors

| Rule Name | Message | Additional Values in Message |
|--|---|------------------------------|
| Start Time Must Match Valid Format Rule | Start Time must match HHMM format where HH is the 2-digit hour in 24 hour format and MM is the 2-digit minute | |

| | |
|---|---|
| Start Time Must Be Less Than Or Equal To End Time Rule | Start Time must be less than or equal to the End Time |
|---|---|

Guidance

Note

Optional

End Time Time the service ended in HHMM (24 hour) format.

Data Type Validation

| Data Type | Message |
|---------------|-------------------------------------|
| string | Failed parsing value to type string |

Errors

| Rule Name | Message | Additional Values in Message |
|--|---|------------------------------|
| End Time Must Match Valid Format Rule | End Time must match HHMM format where HH is the 2-digit hour in 24 hour format and MM is the 2-digit minute | |

Guidance

Note

Optional

Session Count A number indicating how many times the client received the provided service during the specified date range.

Data Type Validation

| Data Type | Message |
|----------------|--------------------------------------|
| integer | Failed parsing value to type integer |

Errors

| Rule Name | Message | Additional Values in Message |
|---|---|------------------------------|
| Session Count Required Rule | Session Count is required | |
| Session Count Must Be Valid Value Rule | Session Count must be a valid integer greater than zero | |

Evidence Based Practices Code The code indicating whether any evidence-based practices

Data Type Validation

| Data Type | Message |
|-----------|---------|
|-----------|---------|

were conducted.

string Failed parsing value to type string

Vocabulary Validation

| Rule | Message |
|---|-------------------------------|
| Must be a valid Vocabulary value from the Mississippi Code System, for the No Yes Value Set | Unknown code for type 'NoYes' |

Errors

| Rule Name | Message | Additional Values in Message |
|--|---|------------------------------|
| Evidence Based Practices Code Required Rule | Evidence Based Practices Code is required | |