



Mississippi Department of Mental Health (DMH)

Provider Submission Guide – Service Event

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Table of Contents

Version Control	3
1 Service Event Data Set	3
1.1 Submitting Service Event Data	3
1.2 Service Event Domain Diagram	3
1.3 Service Event Entities	3
1.3.1 ServiceEvent	4
1.3.1.1 Description	4
1.3.1.2 Key Fields	4
1.3.1.3 Fields	5

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 Provider Client SRI to Required Fields
1/23/2023	1.3	Ram Ganesan	Added Service No Admission Reason Code as Optional Field Updated Admission 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
		Data Type Message
		string Failed parsing value to type string
		Length Validation
		Max Length Message
Provider Source Record Identifier	The provider's internal system identifier for the Provider record this Service Event is associated with.	100 Value length must be less than or equal to '100'
		Errors
		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
		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 already set up in the Yes Cannot find matching 'Provider'

Field	Description	Validation Rules		
		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’
Errors				
Rule Name	Message		Additional Values in Message	
Admission Source Record Identifier Is Required If Service Code Does Not Allow Service Event Without Admission Rule.	Admission Source Record Identifier is required if Service Code has a property of Allow Service Event Without Admission = ‘FALSE’.			

Field	Description	Validation Rules										
		<div>Guidance</div> <div>Note</div> <div>Optional. Admission Source Record Identifier is not required if the Service Code has Property of Allow Service Event Without Admission = 'TRUE'. Linkage Validation will only be required if a valid Admission Source Record Identifier is provided.</div>										
Provider Client Source Record Identifier	The provider's internal system identifier for the Provider Client record this Service Event is associated with.	<div>Data Type Validation</div> <table><tr><th>Data Type</th><th>Message</th></tr><tr><td>string</td><td>Failed parsing value to type string</td></tr></table> <div>Errors</div> <table><tr><th>Rule Name</th><th>Message</th><th>Additional Values in Message</th></tr><tr><td>The Provider Client Source Record Identifier In The Service Event Should Match With The Provider Client Source Record Identifier Present In Treatment Episode Rule.</td><td>The Provider Client Source Record Identifier in the Service Event should match with the Provider Client Source Record Identifier present in Treatment Episode.</td><td></td></tr></table> <div>Guidance</div> <div>Note</div> <div>Optional</div>	Data Type	Message	string	Failed parsing value to type string	Rule Name	Message	Additional Values in Message	The Provider Client Source Record Identifier In The Service Event Should Match With The Provider Client Source Record Identifier Present In Treatment Episode Rule.	The Provider Client Source Record Identifier in the Service Event should match with the Provider Client Source Record Identifier present in Treatment Episode.	
Data Type	Message											
string	Failed parsing value to type string											
Rule Name	Message	Additional Values in Message										
The Provider Client Source Record Identifier In The Service Event Should Match With The Provider Client Source Record Identifier Present In Treatment Episode Rule.	The Provider Client Source Record Identifier in the Service Event should match with the Provider Client Source Record Identifier present in Treatment Episode.											
Service Code	The code indicating the service that is being provided to the client.	<div>Data Type Validation</div> <table><tr><th>Data Type</th><th>Message</th></tr><tr><td>string</td><td>Failed parsing value to type string</td></tr></table> <div>Vocabulary Validation</div> <table><tr><th>Rule</th><th>Message</th></tr><tr><td>Must be a valid Vocabulary value from the Mississippi Code System, for the Service Value Set</td><td>Unknown code for type 'Service'</td></tr></table>	Data Type	Message	string	Failed parsing value to type string	Rule	Message	Must be a valid Vocabulary value from the Mississippi Code System, for the Service Value Set	Unknown code for type 'Service'		
Data Type	Message											
string	Failed parsing value to type string											
Rule	Message											
Must be a valid Vocabulary value from the Mississippi Code System, for the Service Value Set	Unknown code for type 'Service'											

Field	Description	Validation Rules		
		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		
		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
		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		
		Data Type	Message	

Field	Description	Validation Rules									
		<table><tr><td>string</td><td>Failed parsing value to type string</td></tr></table>	string	Failed parsing value to type string							
		string	Failed parsing value to type string								
		Errors									
		<table><tr><th>Rule Name</th><th>Message</th><th>Additional Values in Message</th></tr><tr><td>Start Time Must Match Valid Format Rule</td><td>Start Time must match HHMM format where HH is the 2-digit hour in 24 hour format and MM is the 2-digit minute</td><td></td></tr><tr><td>Start Time Must Be Less Than Or Equal To End Time Rule</td><td>Start Time must be less than or equal to the End Time</td><td></td></tr></table>	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	
		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.	<table><tr><td colspan="3">Data Type Validation</td></tr><tr><td>Data Type</td><td colspan="2">Message</td></tr><tr><td>string</td><td colspan="2">Failed parsing value to type string</td></tr></table>	Data Type Validation			Data Type	Message		string	Failed parsing value to type string	
Data Type Validation											
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		Guidance									
Note											
Optional											
Session Count	A number indicating how many times the client received the provided service during the specified date	<table><tr><td colspan="3">Data Type Validation</td></tr><tr><td>Data Type</td><td colspan="2">Message</td></tr><tr><td>integer</td><td colspan="2">Failed parsing value to type integer</td></tr></table>	Data Type Validation			Data Type	Message		integer	Failed parsing value to type integer	
Data Type Validation											
Data Type	Message										
integer	Failed parsing value to type integer										

Field	Description	Validation Rules														
	range.	<div>Errors</div> <table><tr><th>Rule Name</th><th>Message</th><th>Additional Values in Message</th></tr><tr><td>Session Count Required Rule</td><td>Session Count is required</td><td></td></tr><tr><td>Session Count Must Be Valid Value Rule</td><td>Session Count must be a valid integer greater than zero</td><td></td></tr></table>	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						
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 were conducted.	<div>Data Type Validation</div> <table><tr><th>Data Type</th><th>Message</th></tr><tr><td>string</td><td>Failed parsing value to type string</td></tr></table> <div>Vocabulary Validation</div> <table><tr><th>Rule</th><th>Message</th></tr><tr><td>Must be a valid Vocabulary value from the Mississippi Code System, for the No Yes Value Set</td><td>Unknown code for type 'NoYes'</td></tr></table> <div>Errors</div> <table><tr><th>Rule Name</th><th>Message</th><th>Additional Values in Message</th></tr><tr><td>Evidence Based Practices Code Required Rule</td><td>Evidence Based Practices Code is required</td><td></td></tr></table>	Data Type	Message	string	Failed parsing value to type string	Rule	Message	Must be a valid Vocabulary value from the Mississippi Code System, for the No Yes Value Set	Unknown code for type 'NoYes'	Rule Name	Message	Additional Values in Message	Evidence Based Practices Code Required Rule	Evidence Based Practices Code is required	
Data Type	Message															
string	Failed parsing value to type string															
Rule	Message															
Must be a valid Vocabulary value from the Mississippi Code System, for the No Yes Value Set	Unknown code for type 'NoYes'															
Rule Name	Message	Additional Values in Message														
Evidence Based Practices Code Required Rule	Evidence Based Practices Code is required															
Service No Admission Reason Code	The code indicating the reason Service Event is created with no admission.	<div>Data Type Validation</div> <table><tr><th>Data Type</th><th>Message</th></tr><tr><td>string</td><td>Failed parsing value to type string</td></tr></table> <div>Vocabulary Validation</div> <table><tr><th>Rule</th><th>Message</th></tr><tr><td>Must be a valid Vocabulary value from the Mississippi Code System, for the ServiceNoAdmissionReason Value Set</td><td>Unknown code for type "ServiceNoAdmissionReason"</td></tr></table>	Data Type	Message	string	Failed parsing value to type string	Rule	Message	Must be a valid Vocabulary value from the Mississippi Code System, for the ServiceNoAdmissionReason Value Set	Unknown code for type "ServiceNoAdmissionReason"						
Data Type	Message															
string	Failed parsing value to type string															
Rule	Message															
Must be a valid Vocabulary value from the Mississippi Code System, for the ServiceNoAdmissionReason Value Set	Unknown code for type "ServiceNoAdmissionReason"															

Field	Description	Validation Rules		
		Warnings:		
		Rule Name	Message	Additional Values in Message
		No Admission Reason Code Required When Service Code With Out Admission Rule	Service Code has a property of Allow Service Event WithoutAdmission and NoAdmissionReasonCode is required	
		Guidance		
		Note		
		Optional. ServiceNoAdmissionReasonCode will be populated if ServiceEvent is not associated with an Admission.		