RI-EOHHS Alterate EVV SPECIFICATION

For Receipt of Alternate Electronic Visit Verification

Part of the Open EVV Series
of Interfaces

Version 4.1

Proprietary and Confidential.
Copyright © 2022 Sandata Technologies, LLC. All rights reserved.

Version	Name	Title	Changes	Date
1.0	Ford Simpkins	Technical Account Manager	Initial Version – Consolidated Specification	6/18/22
2	Ford Simpkins	Technical Account Manager	Edited format for overall readability	7/1/22
3	Ford Simpkins	Technical Account Manager	Updated "EmployeeIdentifier" field to clarify expected values format. Updated the "State" Field to clarify the expected value format. Updated the "EmployeeEmail" field to clarify expected value format. Memo field was updated from 512 characters to 1024	7/1/22
3.1	Ford Simpkins	Technical Account Manager	Updated "ScheduleStartTime" and "ScheduleEndTime" fields to clarify expected values format. Updated the "ClientSSN" Field to clarify that it should not be sent. Updated the "EmployeeSSN" fields to clarify the expected value format.	7/13/22
3.2	Ford Simpkins	Technical Account Manager	Updated Title Page, Header, and Footer	7/13/22
3.3	Ford Simpkins	Technical Account Manager	Updated Service List, Header, and Footer	7/24/22
3.4	Ford Simpkins	Technical Account Manager	Removed language around "VisitLocationType". Added Service G0156	8/4/22
3.5	Ford Simpkins	Technical Account Manager	Added Payer RI_TUFTS and program RTI to applicable Service codes G0151-G0157. Removed L and R from Service Code T1000 for RI Medicaid. Added Service 99503 to payer RI_UNITED-I and program RUI.	8/22/22
3.6	Ford Simpkins	Technical Account Manager	Edited Employee ID Field in Visit General section to be more descriptive.	10/18/22
3.7	Ford Simpkins	Technical Account Manager	Edited Client Other ID and Client Qualifier Fields in Client General section.	2/9/23
3.8	Ford Simpkins	Technical Account Manager	Added M10 Program for RI Medicaid Payer Added HH1 Program for RI Medicaid I Payer. Adjusted exception values to be 2 digit.	5/30/23
3.9	Ford Simpkins	Technical Account Manager	Added Important note Section	11/10/23
4	Ford Simpkins	Technical Account Manager	Edited Exceptions table	11/29/23
4	Ford Simpkins	Technical Account Manager	Added M10 Program for RI Medicaid Payer Service T1000	2/2/24

This interface supplies the delivery mechanisms and the data layout / structure necessary to provide externally sourced EVV data to the Sandata systems for processing.

Base Version   *7.14*

EVV Vendor Interface Transmission Guidelines

File Format	*JSON*
File Delimiter	*not applicable*
Headers	*not applicable*
File Extension	*not applicable*
File Encryption	*Delivery to occur over secure HTTPS connection*
Control File	*not applicable*
RESTful API Endpoint(s)	*See Appendix 8*
Payload Compression	*No compression of data during delivery*
Delivery Mechanism	*Via RESTful API call*
Delivery Frequency	*No less frequent than daily (at time decided by each vendor supplying the EVV data). Can be multiple times per day at vendor's discretion.*

File Delivery Notes

Overview

This specification is intended to document the requirements for using the Sandata Real Time Interface (part of the Open EVV Series of Interface) for receiving information from 3rd party EVV Vendors into the Sandata Aggregator. This interface is also referred to as the Alternate EVV Data Interface of altEVV. An Alternate EVV Data Collection System will build one data pipe to the Aggregator and send synchronous data 'packages' per defined provider agency.

Intended Audience

The intended audience of this document is:

1. Project Management and Technical teams at Sandata.

2. Project Management and Technical teams at a designated Providers/Vendors who will be implementing this interface.

Transmission Frequency

For optimal system performance, it is recommended that visits should be sent in near real time. It is expected that information is sent as it is added/changed/deleted in the Alternate EVV Data Collection.

System Note: Rejection responses will be delivered on a separate API call that is initiated by the third party–in near real time.

Transmission Limits

A single transaction may contain from 1 to 5,000 records. A single record set would include all associated elements. If the group size exceeds the maximum limit for the group, the complete group will be rejected.

During peak loads, records received may be queued and processed as resources permit. Other transactions received for the Provider ID will be queued behind these until they are processed since they must be processed in the proper order.

Expected result of queued data is…Error Message: "The result for the input UUID is not ready yet. Please try again".

Expected vendor action: Wait 5 minutes before attempting the GET status response.

Data Type Format Details

The user will send information in JSON or XML format. JSON and XML allow multiple "child" entities for a parent.

The format of the information sent must match exactly the format defined below and must be sent via web service using JSON or XML. Ultimately, we support only three data types during transmission: string, number, and Boolean. The specification uses more additional data types to ensure that data is received in the expected formats and appropriate record level editing can be incorporated. Except where numeric, the assumed JSON and XML format should be string. The data type provided in the specification is based on the following field definitions.

Note that the format is case sensitive. All field names must be provided in EXACTLY the casing used in the definitions below. Sandata recommends using RESTful services with JSON formatting.

Data Type	Description	Example
DateTime	*The date and time are represented as a string with the following format:* *YYYY-MM-DDTHH:MM:SSZ* *All times will be provided in UTC.* *If time is not material, it will be provided as is expected.*	*2016-12-20T16:10:28Z*
Date (Only Date)	*The data is represented as a string with the following format:* *YYYY-MM-DD* *Date only will be sent in UTC format.*	*2016-12-20*
Timezone	*All time for tracking visits will be in UTC.* *All time zone values will be derived from the Internet Assigned Numbers Authority (IANA) time zone database, which contains data that represents the history of local time for locations around the globe. It is updated periodically to reflect changes made by political bodies to time zone boundaries, UTC offsets, and daylight-saving rules.* *The time zone name expected in each transaction is the actual time zone where the event took place, i.e. US/Eastern.*	*A complete list of time zones can be found at:* *https://www.iana.org/time- zones* *See Appendix for the list of time zones.*

Data Type	Description	Example
String	*A* **string** *is a row of zero or more characters that can include letters, numbers, or other types of characters as a unit, not an array of single characters. (e.g., plain text).*	"This is a string"
Integer	*An* **integer** *is a numeric value without a decimal. Integers are whole numbers and can be positive or negative.*	52110 (positive) -87721 (negative)
Decimal	*A floating-point number is referred to as a decimal. Can be positive or negative.*	8221.231 (positive) -71.214 (negative)
Boolean	*A logic predicate indicator that can be either true or false.*	true false

Important Notes

It is expected that the vendor system will capture GPS coordinates for the member and visit. Then a visit shall not be verified within the vendor system when the distance between the two points is greater than 500 feet until the agency has acknowledged that they know about this distance gap and can provide written documentation to RIEOHHS upon request.

Client Data Endpoint

This endpoint receives information regarding the individual member / beneficiary (known here as the 'Client') that receives care as part of the visit. Please note- the Client record must be successfully delivered and loaded PRIOR to the delivery of the Visit information, or else the visit will reject due to 'Unknown Client'. Client Other ID should be ONLY the Client Medicaid ID. If this value is not the Client Medicaid ID it may impact claims payment.

Index	Element	Description	Expected Value	Validation Rule
	Provider Identification - Required			
1	ProviderQualifier	Identifier being sent as the unique identifier for the provider.	"Other"	String match = "Other"
2	ProviderID	Unique identifier for the agency.	NPI	NPI; exactly 10 digits

Index	Element	Description	Expected Value	Validation Rule
	Client General Information - Required			
1	ClientQualifier	Describes what type of identifier is being sent to identify the client. Should be the same as the value used by the Payer if a client feed is provided by the payer	"ClientOtherID"	String match = "ClientOtherID". Value must be Client Medicaid ID in the "Client Other" ID.
2	ClientIdentifier	Payer assigned client identifier identified by ClientQualifier. If client information is received from the payer, this information will be used to link the received Third Party EVV information with the payer information provided.	"Medicaid ID"	String match = "Medicaid ID"; exactly 10 digits including leading 0s
3	ClientFirstName	Client's First Name.	Client's First Name	Max Length 30 Special Characters . ' - space supported
4	ClientMiddleInitial	Client's Middle Initial	Client's Middle Initial	Max Length 1 Can be NULL No Special Characters
5	ClientLastName	Client's Last Name.	Client's Last Name	Max Length 30 Special Characters . ' - space supported
6	ClientMedicaidID	Unique ID provided by the State Medicaid program to the client.	RI Medicaid ID	RI Medicaid ID; exactly 10 digits including leading 0s
7	MissingMedicaidID	Indicator that a patient is a newborn. Program requires a Client to have a medicaid number so this field will always be true.	"false"	String match = "false" Can be NULL
8	SequenceID	The Third Party EVV visit sequence ID. Sandata recommends this be a timestamp (to the second) to ensure order of the client data updates.	Third Party EVV Visit Sequence ID	Max length 16 If TIMESTAMP is used: YYYYMMDDHHMMSS Numbers only; no other characters
9	ClientOtherID	This value should be ONLY the Client Medicaid ID. **If this value is not the Client Medicaid ID it may impact claims payment.**	Primary Client Key from the Alt EVV System	FORMAT: MedicaidID 10 DIGITS No Special Characters This value is also used for claims matching.
10	ClientTimeZone	Client's primary time zone. Depending on the program, this value may be defaulted or automatically calculated. Please see the Appendix 5 for acceptable values.	"US/Eastern"	String match = "US/Eastern"
11	Coordinator	The staff member assigned to the client in a specific agency as the coordinator for an employee.	Coordinator Identifier	Max Length 3 Can be NULL No Special Characters
12	ClientID	This is a value auto-assigned by internal process. DO NOT PROVIDE	DO NOT PROVIDE	DO NOT PROVIDE; values provided will be utilized and client record will be invalid
13	ClientCustomID	Additional client user-defined ID. Commonly used to customize the built-in ClientID within the system. May be equal to another ID provided. . Must be provided if billing is in scope.	MCO Unique ID	MCO Unique ID Can be NULL – will be sent if available. Max Length 24 No Special Characters
14	ClientSSN	Client's social security number. If the field is left empty, ClientOtherID must be populated. Not required if ClientOtherID sent. DO NOT PROVIDE.	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element	Description	Expected Value	Validation Rule
		Client General Information - Required		
1	ProviderAssentContPlan	DO NOT PROVIDE. Indicator to capture provider's assent that the member's contingency plan provided will be reviewed with the member every 90 days and documentation will be provided.	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element	Description	Expected Value	Validation Rule
		Client Address - Required		
1	ClientAddressType	Values: Home, Business, Other. Note that multiple of the same type can be provided. Default to Other if not available.	"Home"| "Business"	"Other"	String match = "Home"| "Business"	"Other"
2	ClientAddressIsPrimary	One address must be designated as primary by sending true. Additional addresses will be false. Values: true/false	"false"	String match = "true"	"false"
3	ClientAddressLine1	Street address line 1 associated with this address. PO Box may be used for Safe at Home participants. PO Box may impact GPS reporting.	Address Line 1	Max Length 30 Special Characters <under score> . ' - # , / space supported
4	ClientAddressLine2	Street address line 2 associated with this address.	Address Line 2	Max Length 30 Can be NULL Special Characters <under score> . ' - # , / space supported
5	ClientCounty	County associated with this address	County	Max Length 25 Can be NULL Special Characters . ' - space supported
6	ClientCity	City associated with this address.	City	Max Length 30 Special Characters . - space supported
7	ClientState	State associated with this address. Two character standard abbreviation referenced in Appendix 6.	State	Format: 2 char standard US state abbreviation
8	ClientZip	Zip Code associated with this address. 9-digit primary address zip code. If additional 4 digits are not known, provide zeros.	Zip Code	Format: ######### Rules: This is the full nine digits of the zip code for a business mailing zip code. If the +4 cannot be provided, please send '0000'.
9	ClientAddressLongitude	Calculated for each address.	DO NOT PROVIDE	DO NOT PROVIDE
10	ClientAddressLatitude	Calculated for each address.	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element	Description	Expected Value	Validation Rule
		Client Phone - Optional		
1	ClientPhoneType	Values: Home, Mobile, Business and Other. Note that multiple of the same type can be provided. Default to Other if not available.	"Home"	"Mobile"	"Business"	"Other"	String match = "Home"	"Mobile"	"Business"	"Other" Permitted values Can be NULL
2	ClientPhone	Client phone number including area code. (no country code, no dashes and no parentheses)	Client Phone Number	FORMAT: ##########

Index	Element	Description	Expected Value	Validation Rule
		Client Payer Information - Required		
1	PayerID	Sandata EVV assigned ID for the payer. Payer ID is determined during the implementation process.	See Appendix 1 PayerID column	MAX Length = 64 String Value
2	PayerProgram	If applicable, the program to which this visit belongs	See Appendix 1 Program ID column	MAX Length = 9 String Value
3	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	See Appendix 2 HCPS column	MAX Length = 5 String Value
4	Modifier1	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod1 column	MAX Length = 10 String Value CAN BE NULL
5	Modifier2	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod2 column	MAX Length = 10 String Value CAN BE NULL
6	Modifier3	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod3 column	MAX Length = 10 String Value CAN BE NULL
7	Modifier4	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod4 column	MAX Length = 10 String Value CAN BE NULL
8	ClientPayerID	Unique identifier sent by the payer.		LIVE DATA CAN BE NULL
9	ClientEligibilityDateBegin	Client eligibility begin date. This field is optional if ClientStatus is sent.		FORMAT: YYYY-MM-DD CAN BE NULL
10	ClientEligibilityDateEnd	Client eligibility end date. This field is optional if ClientStatus is sent.		FORMAT: YYYY-MM-DD CAN BE NULL
11	ClientStatus	The client's current status. Provide the 2 digit code including the 0. Available values: 02 = Active 04 = Inactive This field is optional if ClientEligibilityDateBegin or ClientEligibilityDateEnd is sent.		02 | 04
12	EffectiveStartDate	The effective start date for the client payer information.		FORMAT: YYYY-MM-DD
13	EffectiveEndDate	The effective end date for the client payer information.		FORMAT: YYYY-MM-DD CAN BE NULL

Index	Element	Description	Expected Value	Validation Rule
		Client Designee - DO NOT PROVIDE		
1	ClientDesigneeFirstName	First Name of the Client Designee.	DO NOT PROVIDE	DO NOT PROVIDE
2	ClientDesigneeLastName	Last Name of the Client Designee.	DO NOT PROVIDE	DO NOT PROVIDE
3	ClientDesigneeEmail	Email address of the Client Designee.	DO NOT PROVIDE	DO NOT PROVIDE
4	ClientDesigneeStatus	Status of the Client Designee pertaining to Sandata system access. If the ClientDesigneeStatus is sent, ClientDesigneeStartDate and ClientDesigneeEndDate are not required. (Provide the 2-digit code including the 0) Sandata System can either populate the start or end date based on the date of receipt of the status or the source system can send the activation and termination date. (Please note Activation and termination dates cannot be backdated or future dated) Available Values: 02 = Active, 04 = Inactive.	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element	Description	Expected Value	Validation Rule
		Client Designee - DO NOT PROVIDE		
5	**ClientDesigneeStartDate**	The date Client Designee was assigned. Future date is not acceptable. If the ClientDesigneeStartDate is sent, ClientDesigneeStatus is not required.	DO NOT PROVIDE	DO NOT PROVIDE
6	**ClientDesigneeEndDate**	The date Client Designee was terminated. Future date and Back date is not acceptable. If the ClientDesigneeEndDate is sent, ClientDesigneeStatus is not required.	DO NOT PROVIDE	DO NOT PROVIDE
7	**ClientDesigneeRelationship**	Relationship of the Designee to the client	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element	Description	Expected Value	Validation Rule
		Responsible Party - DO NOT PROVIDE		
1	**ClientContactType**	Client contact type	DO NOT PROVIDE	DO NOT PROVIDE
2	**ClientContactFirstName**	Client contact first name. Entered by provider agency.	DO NOT PROVIDE	DO NOT PROVIDE
3	**ClientContactLastName**	Client contact last name. Entered by provider agency.	DO NOT PROVIDE	DO NOT PROVIDE
4	**ClientContactPhoneType**	Client contact's phone type.	DO NOT PROVIDE	DO NOT PROVIDE
5	**ClientContactPhone**	Client contact home phone number. Entered by provider agency. Format ##########	DO NOT PROVIDE	DO NOT PROVIDE
6	**ClientContactEmailAddress**	Client Contact's email address. Required if this client will be authorized to login to the client portal as the client's authorized representative and approve timesheets on behalf of the client.	DO NOT PROVIDE	DO NOT PROVIDE
7	**ClientContactAddressLine1**	Client contact's street address, line 1	DO NOT PROVIDE	DO NOT PROVIDE
8	**ClientContactAddressLine2**	Client contact's street address, line 2	DO NOT PROVIDE	DO NOT PROVIDE
9	**ClientContactCity**	Client contact's city	DO NOT PROVIDE	DO NOT PROVIDE
10	**ClientContactState**	Client contact's state. Two character standard abbreviation.	DO NOT PROVIDE	DO NOT PROVIDE
11	**ClientContactZip**	Client contact's zip code. 9 digit primary address zip code. If additional 4 digits are not known, provide zeros. Format #########	DO NOT PROVIDE	DO NOT PROVIDE

Employee Data Endpoint

This endpoint receives information regarding the individual caregiver (known here as the 'Employee') that delivered the actual care to the individual as part of the visit.

Please note- the Employee must be successfully delivered and loaded PRIOR to the delivery of the Visit information, or else the visit will reject due to 'Unknown Employee'.

Index	Element	Description	Expected Value	Validation Rule
		Provider Identification - Required		
1	ProviderQualifier	Identifier being sent as the unique identifier for the provider.	"Other"	String match = "Other"
2	ProviderID	Unique identifier for the agency.	NPI	NPI; exactly 10 digits

Index	Element	Description	Expected Value	Validation Rule
		Employee General Information - Required		
1	EmployeeQualifier	Value being sent to uniquely identify the employee.	"EmployeeSSN"	String match = "EmployeeSSN"
2	EmployeeIdentifier	Employee identifier identified by EmployeeQualifier. If employee information is received from the payer, this information will be used to link the received Third Party EVV information with the payer information provided and should be defined as the same value.	EmployeeSSN	9 DIGITS NO DASHES FORMAT: 0000##### 4 leading zeros to mask + last 5 of SSN (e.g. 0000xxxxx)
3	EmployeeOtherID	Unique employee identifier in the external system.	Vendor Employee Identifier	Max Length 64 Can be NULL Format:#########
4	SequenceID	The Third Party EVV visit sequence ID to which the change applied	Third Party EVV Visit Sequence ID	Max Length 16 If TIMESTAMP is used: YYYYMMDDHHMMSS (Numbers only; no characters)
5	EmployeeLastName	Employee's last name	Employee's Last Name	Max Length 30 Special Characters . ' - space supported
6	EmployeeFirstName	Employee's first name	Employee's First Name	Max Length 30 Special Characters . ' - space supported

Index	Element	Description	Expected Value	Validation Rule
		Employee General Information - Required		
7	EmployeeEmail	Employee's email address	Employee's Email Address	Max Length 64 Can be NULL FORMAT: xxx@yyy.zzz RULES: @ and extension (.zzz) are required to validate email address.
8	EmployeeManagerEmail	Email of the employee's manager	Email of the Employee's Manager	Max Length 64 Can be NULL FORMAT: xxx@yyy.zzz RULES: @ and extension (.zzz) are required to validate email address.
9	EmployeeEndDate	Employee's HR recorded end date.	Employee End Date	FORMAT: YYYY-MM-DD Can be NULL
10	EmployeeSSN	Employee Social Security Number. Employee SSN may be required depending on the program rules.	Employee SSN	9 DIGITS NO DASHES FORMAT: 0000##### 4 leading zeros to mask + last 5 of SSN (e.g. 0000xxxxx)
11	EmployeeAPI	Employee client's alternate provider identifier or Medicaid ID	DO NOT PROVIDE	DO NOT PROVIDE
12	EmployeePosition	Values for payer/state programs to be determined during implementation. If multiple positions, send primary.	DO NOT PROVIDE	DO NOT PROVIDE
13	EmployeeHireDate	Employee's date of hire.	DO NOT PROVIDE	DO NOT PROVIDE

Visit Data Endpoint

This endpoint recieves the information regarding the EVV visits themselves- including all individual components of the visit, and corrections / changes to the visits over time.
Please Note: The visit information must be loaded AFTER the client and the employee associated with the visit have been loaded, or else the visit record will error out.

Index	Element	Description	Expected Value	Validation Rule
Provider Identification - Required				
1	ProviderQualifier	Identifier being sent as the unique identifier for the provider.	"Other"	String match = "Other"
2	ProviderID	Unique identifier for the agency.	NPI	NPI; exactly 10 digits

Index	Element	Description	Expected Value	Validation Rule
Visit General Information - Required				
1	VisitOtherID	Visit identifier in the external system	Visit Identifier	Max Length 50 Special Character <under score> supported
2	SequenceID	The Third Party EVV visit sequence ID to which the change applied	Third Party EVV Visit Sequence ID	Max length 16 If TIMESTAMP is used: YYYYMMDDHHMMSS Numbers only; no other characters
3	EmployeeQualifier	Value being sent to uniquely identify the employee.	"EmployeeSSN"	String match = "EmployeeSSN"
4	EmployeeOtherID	Unique employee identifier in the external system, if any.	Vendor Identifier	Max Length 64 Can be NULL Format:#########
5	EmployeeIdentifier	Employee identifier identified by EmployeeQualifier. If employee information is received from the payer, this information will be used to link the received Third Party EVV information with the payer information provided and should be defined as the same value.	EmployeeSSN	9 DIGITS NO DASHES FORMAT: 0000##### 4 leading zeros to mask + last 5 of SSN (e.g. 0000xxxxx)
6	GroupCode	This visit was part of a group visit. Group Code is used to reassemble all members of the group.	Group Code	Max Length 6 Can be NULL Special Character <under score> supported
7	ClientIDQualifier	Describes what type of identifier is being sent to identify the client.	"ClientOtherID"	String match = "ClientOtherID"
8	ClientID	Identifier used in the client element.	Medicaid ID	FORMAT: MedicaidID 10 DIGITS
9	ClientOtherID	Additional client user-defined ID. This value is used to match the client to an existing record during import.	Vendor System Client ID	FORMAT: MedicaidID 10 DIGITS No Special Characters
10	VisitCancelledIndicator	true/false – Set to false as the default. Set to true if a visit with no call in or call out is to be cancelled / deleted	"false"	String match = "true"	"false"
11	PayerID	Sandata EVV assigned ID for the payer.	See Appendix 1 PayerID column	See Appendix 1 PayerID column
12	PayerProgram	If applicable, the program to which this visit belongs.	See Appendix 1 Program ID column	See Appendix 1 ProgramID column
13	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	See Appendix 2 HCPS column	See Appendix 2 HCPCS column
14	Modifier1	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod1 column	See Appendix 2 Modifier columns
15	Modifier2	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod2 column	See Appendix 2 Modifier columns
16	Modifier3	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod3 column	See Appendix 2 Modifier columns
17	Modifier4	Modifier for the HCPCS procedure code (when applicable). Up to 4 modifiers are allowed. It is required to apply modifier values in the order specifically listed in the appendix.	See Appendix 2 Mod4 column	See Appendix 2 Modifier columns
18	VisitTimeZone	Visit primary time zone. Depending on the program, this value may be defaulted or automatically calculated. Should be provided if the visit is occurring in a time zone other than that of the client.	"US/Eastern"	See Appendix 5 TimeZoneCode column
19	AdjInDateTime	Adjusted in date/time if entered manually. Otherwise the actual date/time received. VisitChanges segment required	Adjusted In Date/Time	Max Length 20 Can be NULL FORMAT: YYYY-MM-DDTHH:MM:SSZ
20	AdjOutDateTime	Adjusted out date/time if entered manually. Otherwise the actual date/time received. VisitChanges segment required	Adjusted Out Date/Time	Max Length 20 Can be NULL FORMAT: YYYY-MM-DDTHH:MM:SSZ

Index	Element	Description	Expected Value	Validation Rule
		Visit General Information - Required		
21	BillVisit	True for all visits in this program. false is only sent if the visit is not to be considered for claims validation and set to omit status.	"true"	String match = "true"
22	Memo	Associated free form text.	Memo	Max Length 512 Can be NULL Special Characters <under score> . ' - , space supported
23	ClientVerifiedTimes	If the client did verify times in EVV Vendor system set this value to true. If the client did not verify times in EVV Vendor system set this value to false.	"true"	"false"	String match = "true"	"false" Can be NULL -will be entered if available
24	ClientVerifiedTasks	If the client did verify tasks performed in EVV Vendor system set this value to true. If the client did not verify tasks performed in EVV Vendor system set this value to false.	"true"	"false"	String match = "true"	"false" Can be NULL
25	ClientVerifiedService	If the client did verify service performed in EVV Vendor system set this value to true. If the client did not verify service performed in EVV Vendor system set this value to false.	"true"	"false"	String match = "true"	"false" Can be NULL -will be entered if available
26	ClientSignatureAvailable	The actual signature will not be transferred. The originating system will be considered the system of record. If the client signature is captured in EVV Vendor system set this value to true. If the client signature is not captured in EVV Vendor system set this value to false.	"true"	"false"	String match = "true"	"false" Can be NULL -will be entered if available
27	ClientVoiceRecording	The actual voice recording will not be transferred. The originating system will be considered the system of record. If the client voice recording is captured in EVV Vendor system set this value to true. If the client voice recording is not captured in EVV Vendor system set this value to false.	"true"	"false"	String match = "true"	"false" Can be NULL -will be entered if available
28	ScheduleStartTime	Activity / Schedule start date and time. This field is generally required but may be omitted if the schedule is denoting services that can happen at any time within the service date. Schedules are required in all cases. Lack of a schedule is on an exception basis.	Length: 20 Characters	FORMAT: YYYY-MM-DDTHH:MM:SSZ – will be sent if available
29	ScheduleEndTime	Activity / Schedule end date and time. This field is generally required but may be omitted if the schedule is denoting services that can happen at any time within the service date. Schedules are required in all cases. Lack of schedule is on an exception basis.	Length: 20 Characters	FORMAT: YYYY-MM-DDTHH:MM:SSZ – will be sent if available
30	ContingencyPlan	Indicator of member's contingency plan selected by member. Valid values include (CODE should be sent only): CODE- Description CP01 - Reschedule within 2 Hours CP02 - Reschedule within 24 Hours CP03 - Reschedule within 48 Hours CP04 - Next Scheduled Visit CP05 - Non-Paid Caregiver	DO NOT PROVIDE	DO NOT PROVIDE
31	Reschedule	Indicator if schedule is a "reschedule"	DO NOT PROVIDE	DO NOT PROVIDE
32	HoursToBill	Hours that are going to be billed.	DO NOT PROVIDE	DO NOT PROVIDE
33	HoursToPay	If payroll is in scope for the payer program, the hours to pay.	DO NOT PROVIDE	DO NOT PROVIDE
1	CallExternalID	Call identifier in the external system	Call Identifier	Max Length 16 No Special Characters
2	CallDateTime	Event date time. Must be to the second.	Call Date Time	Max length 20 FORMAT: YYYYMMDDHHMMSS Numbers only; no other characters
3	CallAssignment	Values: Time In, Time Out, Other	"Time In"	"Time Out"	"Other"	String match = "Time In"	"Time Out"	"Other"
4	GroupCode	This visit was part of a group visit. Group Code is used to reassemble all members of the group.	Group Code	Max Length 6 Can be NULL Special Character <under score> supported
5	CallType	The type of device used to create the event. Any call with GPS data collected should be identified as Mobile. FVV should be used for any type of fixed visit verification device. Visit Changes segment is required for CallType = Manual.	"Telephony"	"Mobile"	"FVV"	"Manual"	String match = Telephony	Mobile	FVV	Manual	Other

Sandata

Index	Element	Description	Expected Value	Validation Rule
		Calls - Required		
6	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	See Appendix 2 HCPS column	See Appendix 2 HCPCS column
7	ClientIdentifierOnCall	If a client identifier was entered on the call, this value should be provided.	Third Party EVV Client Identifier on Call	Max Length 10 Special Character <under score> supported
8	MobileLogin	Login used if a mobile application is in use for GPS calls. Required if CallType = Mobile.	Mobile Login	Max Length 64 Can be NULL No Special Characters Required if Call type = "Mobile"
9	CallLatitude	GPS latitude recorded during event. Latitude has a range of -90 to 90 with a 15 digit precision. Required for CallType = Mobile	Lattitude	Decimal with sign if negative 2 primary.15 digit precision Can be NULL Decimal format with (-)XX . XXXXXXXXXXXXXXX digits Required if Call type = "Mobile"
10	CallLongitude	GPS longitude recorded during event. Longitude has a range of -180 to 180 with a 15 digit precision. Required for CallType = Mobile.	Longitude	Decimal with sign if negative 3 primary.15 digit precision Can be NULL Decimal format with (-)XXX . XXXXXXXXXXXXXXX digits Required if Call type = "Mobile"
11	TelephonyPIN	PIN for telephony. Identification for the employee using telephony. Required if CallType = Telephony.	Telephony PIN	Max Length 9 Can be NULL Numbers only Required if Call Type = "Telephony"
12	OriginatingPhoneNumber	Originating phone number for telephony. Required if CallType = Telephony.	Originating Phone Number	Max Length 10 Can be NULL No Special Characters Required if Call Type = "Telephony"
13	Location	Specific values to be provided based on the program.	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element	Description	Expected Value	Validation Rule
		Visit Changes - Required		
1	SequenceID	The Third Party EVV visit sequence ID to which the change applied	Third Party EVV Visit Sequence ID	Max length 16 If TIMESTAMP is used: YYYYMMDDHHMMSS Numbers only; no other characters
2	ChangeMadeBy	The unique identifier of the user, system or process that made the change. This could be a system identifier for the user or an email. Could also be a system process, in which case it should be identified.	Unique Identifier of Change Agent	Max Length 64 No Special Characters
3	ChangeDateTime	Date and time when change is made. At least to the second.	Date and Time When Change is Made	Max length 20 FORMAT: YYYYMMDDHHMMSS Numbers only; no other characters

Index	Element	Description	Expected Value	Validation Rule
		Visit Changes - Required		
4	GroupCode	This visit was part of a group visit. GroupCode is used to reassemble all members of the group.	Group Code	Max Length 6 Can be NULL Special Character <under score> supported
5	ReasonCode	Reason Code associated with the change. Required if visit is edited.		See Appendix 3 ReasonCode column
6	ChangeReasonMemo	Reason/Description of the change being made if entered. Required for some reason codes.	Note must be sent if indicated in "Required?" column in Appendix 3	See Appendix 3 NoteRequired? Column Max Length 256 CAN BE NULL
7	ResolutionCode	Resolution codes, if selected. Resolution Codes are specific to the program.	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element	Description	Expected Value	Validation Rule
		Tasks - Optional		
1	TaskID	TaskID, this TaskID must map to the Task IDs used for the agency in the Sandata system. Please refer to the service task required in the Service + Modifier Appendix to determine if one or more tasks must be submitted with this visit. Please reference the task id that is associated with the service in the Task List Appendix.	See Appendix 6	See Appendix 6 Task ID column for specific values
2	TaskReading	Task reading recorded during the service.		Max Length 6 Can be NULL No Special Characters
3	TaskRefused	true, false	"true"	"false"	String match = "true"	"false" Can be NULL

Index	Element	Description	Expected Value	Validation Rule
		Visit Exception Acknowledgement - Conditional		
1	ExceptionID	ID for the exception being acknowledged.	See Appendix 4 ExceptionCode column	Max Length2 See Appendix 4 ExceptionCode column
2	ExceptionAcknowledged	true/false	"true"	"false"	String match = "true"	"false" Can be NULL

Appendix 1
Payers & Programs

ID	Payer ID	Program ID	Description
1	RI Medicaid	MD1	DEA Community Home Care Program
2	RI Medicaid	MD3	DEA Co Pay Level 1
3	RI Medicaid	MD4	DEA Co Pay Level 2
4	RI Medicaid	MC1	CORE
5	RI Medicaid	MP1	PREVENTIVE
6	RI Medicaid	MB3	HCBS
7	RI Medicaid	MH1	Habilitation
8	RI Medicaid	MP2	PREVENTIVE Services (Personal Care and Homemaker)
9	RI Medicaid	MD2	Personal Choice Services (Personal Care and Homemaker)
10	RI Medicaid	MB1	Behavioral Health Program
11	RI Medicaid	MD5	DEA Co Pay Level 3
12	RI Medicaid	M10	MCC010
13	RI_TUFTS	RTH	Tufts Health Plan
14	RI_TUFTS-I	RTI	RI Tufts HH Program
15	RI_UNITED	RUH	United Healthcare
16	RI_UNITED-I	RUI	RI United HH Program
17	RI_NHP	RNH	Neighborhood Health Plan
18	RI Medicaid-I	MD1	DEA Community Home Care Program
19	RI Medicaid-I	MD3	DEA Co Pay Level 1
20	RI Medicaid-I	MD4	DEA Co Pay Level 2
21	RI Medicaid-I	MC1	CORE
22	RI Medicaid-I	MP1	PREVENTIVE
23	RI Medicaid-I	MB3	HCBS
24	RI Medicaid-I	MH1	Habilitation
25	RI Medicaid-I	MP2	PREVENTIVE Services (Personal Care and Homemaker)
26	RI Medicaid-I	MD2	Personal Choice Services (Personal Care and Homemaker)
27	RI Medicaid-I	MB1	Behavioral Health Program
28	RI Medicaid-I	MD5	DEA Co Pay Level 3
29	RI Medicaid-I	HH1	RI Medicaid Home Health Services

Appendix 2
Services & Modifiers

Payer	Program	HCPCS	Mod1	Mod2	Mod3	Mod4	Description
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1				Combined Homemaker & Personal Care U1
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1	UJ			Combined Homemaker & Personal Care U1 UJ
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1	UH			Combined Homemaker & Personal Care U1 UH
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1	TV			Combined Homemaker & Personal Care U1 TV
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1	U9			Combined Homemaker & Personal Care U1 U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1	UJ	U9		Combined Homemaker & Personal Care U1 UJ U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1	UH	U9		Combined Homemaker & Personal Care U1 UH U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U1	TV	U9		Combined Homemaker & Personal Care U1 TV U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125					Personal Care
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	UJ				Personal Care UJ

Payer	Program	HCPCS	Mod1	Mod2	Mod3	Mod4	Description
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	UH				Personal Care UH
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	TV				Personal Care TV
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	U9				Personal Care U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	UJ	U9			Personal Care UJ U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	UH	U9			Personal Care UH U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5125	TV	U9			Personal Care TV U9
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5130					Homemaker
RI MEDICAID, RI_TUFTS, RI_UNITED, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	S5130	TE				Homemaker – LPN TE
RI Medicaid	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000	TE				Private Duty Nursing LPN
RI Medicaid	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000	TE	UH			Private Duty Nursing LPN
RI Medicaid	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000	TE	UJ			Private Duty Nursing LPN
RI Medicaid	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000	TE	TV			Private Duty Nursing LPN
RI Medicaid, RI_UNITED-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000					Private Duty Nursing
RI Medicaid	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000	UH				Private Duty Nursing
RI Medicaid	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000	UJ				Private Duty Nursing
RI Medicaid	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, M10, RTH, RUH, RNH	T1000	TV				Private Duty Nursing
RI_UNITED, RI Medicaid-I	RUH, MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	S9122					Home Health Aide (HHA)
RI_TUFTS-I	RTI	99501					Newborn HH
RI_UNITED-I	RUI	99503					HH ET RN
RI_UNITED-I	RUI	99505					HH ET RN
RI Medicaid-I, RI_TUFTS-I,RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1, RTI, RNH	G0151					PT in Home
RI Medicaid-I, RI_TUFTS-I, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1, RTI,RNH	G0152					OT in Home
RI Medicaid-I, RI_TUFTS-I, RI_NHP	B1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1, RTI,RNH	G0153					ST in Home
RI_NHP	RNH	G0154					Skilled Nursing
RI Medicaid-I, RI_TUFTS-I, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, RTI, RNH, HH1	G0155					SW in Home
RI_NHP, RI_TUFTS-I	RNH, RTI	G0156					HH Hosp in Home
RI_TUFTS-I	RTI	G0157					PT Asst in Home
RI_TUFTS-I	RTI	G0158					OT Asst in Home
RI_NHP	RNH	G0159					PT Safety

Payer	Program	HCPCS	Mod1	Mod2	Mod3	Mod4	Description
RI_NHP	RNH	G0160					Wound Care
RI_NHP	RNH	G0161					ST Safety
RI_TUFTS-I	RTI	G0162					RN Plan Eval
RI Medicaid-I, RI_TUFTS-I, RI_NHP	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, RTI, RNH, HH1	G0299					Skilled Nursing RN
RI_NHP, RI_TUFTS-I	RNH, RTI	G0300					Skilled Nursing LPN
RI_TUFTS-I	RTI	G0493					RN Eval
RI_TUFTS-I	RTI	G0494					LPN Eval
RI_TUFTS-I	RTI	G2168					PT Safety
RI_TUFTS-I	RTI	G2169					OT Safety
RI_NHP, RI_UNITED-I	RNH, RUI	S9123					RN Nurse Services
RI_NHP, RI_UNITED-I	RNH, RUI	S9124					LPN Nurse Services
RI_NHP, RI_UNITED-I	RNH, RUI	S9127					Home Health SW
RI_NHP, RI_UNITED-I	RNH, RUI	S9128					Home Health ST
RI_NHP, RI_UNITED-I	RNH, RUI	S9129					Home Health OT
RI_NHP, RI_UNITED-I	RNH, RUI	S9131					Home health PT
RI_UNITED-I	RUI	S9470					Diet Counsel
RI_UNITED-I	RUI	S9474					HH ET RN
RI Medicaid-I, RI_TUFTS-I	B1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1, RTI,RNH	T1001					Nurse Eval
RI_NHP, RI_TUFTS-I	RNH, RTI	T1002					RN Nurse Svcs
RI_NHP, RI_TUFTS-I	RNH, RTI	T1003					LPN Nurse Svcs
RI_NHP	RNH	T1030					RN Nurse Svcs Per Diem
RI_NHP	RNH	T1031					LPN Nurse Svcs Per Diem
RI_TUFTS-I	RTI	T1502					Med Admin Inject
RI_TUFTS-I	RTI	T1503					Med Admin Other
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	T2017					Habilitation
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	T2019					Habilitation PC
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	T2042					Routine Hospice
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	T2043					Continuous Hospice
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	X0043					HH Nurs Thrpy
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	99502					Newborn HH
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	99502	TD				Newborn HH TD
RI Medicaid-I	MB1, MB3, MC1, MD1, MD2, MD3, MD4, MD5, MH1, MP1, MP2, HH1	99502	TD				Newborn HH TD

Appendix 3
Reason Codes

Reason Code	Description	Note Required?
1	Client Cancel	No
2	Staff Cancel	No
3	Scheduling Error	No
4	Removed from home by family	No
5	Patient expired	No
6	Frequency orders changed	No
7	Patient in hospital	No
8	MD appt - not home	No
9	No answer to locked door	No
10	No call - No show	No
11	No orders - not billable	No
12	Duplicate Entry	No
13	Adj made, rebill to other Payor	No
14	Patient DC	No
15	Patient changed insurance	No
16	Patient/caregiver refused	No
30	Other	Yes

Appendix 4
Exceptions

Exception Code	Exception Name	Description	FIX/ACKNOWLEDGE
02	Visit Without Any Calls	Exception thrown when a visit is recorded without an 'in' and without an 'out' call.	FIX
03	No In Call	Exception thrown when a visit is recorded without an "in" call that began the visit.	FIX
04	No Out Call	Exception thrown when a visit is recorded without an "out" call that completed the visit.	FIX
05	Unscheduled Event	Exception for a visit that was performed for a client that is not scheduled or not found in the EVV system.	ACKNOWLEDGE
00	Unknown Client	Exception for a visit that was performed for a client that is not yet entered or not found in the EVV system.	FIX
01	Unknown Staff	(Telephonic only) Exception for a visit that was performed by a caregiver who was not yet entered or not found in the EVV system (At the time the visit was recorded).	FIX
15	Unmatched Client	Exception for a visit that was performed for a client that does not match the scheduled client found in the EVV system.	FIX
28	Visit Verification Exception	Exception occurs when the program has the 'client verification of the visit' enabled, and is triggered when the client indicates that the DURATION of the EVV visit does not reflect the amount of time that care was actually	N/A
39	Client Signature Exception	Exception occurs when the program has the 'client verification of the visit' enabled, and is triggered when the visit does not have a signature or client voice recording captured at the time of service.	N/A
40	Service Verification Exception	Exception occurs when the program has the 'client verification of the visit' enabled, and is triggered when the client indicates that the SERVICE RECORDED in the EVV visit does not reflect the actual activity performed during that visit.	N/A

Appendix 5
Time Zones

Time Zone Code	Daylight Savings Time Observed?
US/Alaska	Active
US/Aleutian	Active
US/Arizona	Inactive
US/Central	Active
US/East-Indiana	Active
US/Eastern	Active
US/Hawaii	Inactive
US/Indiana-Starke	Active
US/Michigan	Active
US/Mountain	Active
US/Pacific	Active
US/Samoa	Inactive
America/Indiana/Indianapolis	Active
America/Indiana/Knox	Active
America/Indiana/Marengo	Active
America/Indiana/Petersburg	Active
America/Indiana/Vevay	Active
America/Indiana/Vincennes	Active
America/Puerto_Rico	Active
Canada/Atlantic	Active
Canada/Central	Active
Canada/East-Saskatchewan	Inactive
Canada/Eastern	Active
Canada/Mountain	Active
Canada/Newfoundland	Active
Canada/Pacific	Active
Canada/Saskatchewan	Active
Canada/Yukon	Active

Task ID	Category	Description
10		Medications-infusion
11		Injection
12	Toileting/Elimination	Catheter care
13	Toileting/Elimination	Empty colostomy bag
14	Personal Care	Skin Care/Protocol
15		Monitor Skin Condition
16		Apply hot application
17		Therapeutic Support
18		Tracheostomy care
19		Wound care
20		Assist Tube Feeding
21		Assist with Ambulation/Mobility/Transfer
22		Assist clean/dressing change
23		Active Range Of Motion
24		Apply cold application
25		Urine test
26		Diet Monitoring
27	Personal Care	Oral Care
28		Bathing
31		Grooming
32		Assist with Toileting
34	Mobility	Turning and Positioning
35	Nutrition	Feeding
36	Support/Hmkr Services	Light housekeeping
37	Nutrition	Meal Preparation
38		Nail care
39		Specimen Collection
40		Mental Health
79	Support/Hmkr Services	Make Bed
81	Support/Hmkr Services	Grocery Shopping / Errands
82	Support/Hmkr Services	Laundry
83	Support/Hmkr Services	Accompany to MD Clinic
84	Support/Hmkr Services	Accompany to other Location
85		Skin Care or Protocol with necrotic tissue
86		Skin Care or Protocol infected and draining
99		FVVD Installation
114	Toileting/Elimination	Toileting
115	Toileting/Elimination	Incontinent Care
116	Toileting/Elimination	Urinary drainage bag care
117	Toileting/Elimination	Other Toileting / Elimination
125		Patient refused Personal Care
126	Nutrition	Fluids Restricted
128	Nutrition	Fluids Encouraged/Offered
129	Nutrition	Other Nutrition
130	Mobility	Passive and Active Range of Motion Exercises
131	Mobility	Exercises
132	Mobility	Bed rest maintained
133	Mobility	Assist with Ambulation
136	Mobility	Assist with Transfer
139	Mobility	Other Mobility
140	Personal Care	Shave
141	Personal Care	Hair Care
142	Personal Care	Nail Care / No Cutting --- clean and file hands or toes
143	Personal Care	Dress Complete / Assist / Partial Assist
144	Personal Care	Aids Applied
145	Personal Care	Bed bath
146	Personal Care	Tub bath
147	Personal Care	Shower
148	Personal Care	Sponge
149	Personal Care	Shampoo

Task ID	Category	Description
150	Personal Care	Other Personal Care
151	Precautions	All Applicable Precautions Maintained
152	Precautions	Transmission based precautions followed
153	Precautions	O2 Precautions Followed
154	Precautions	Standard Precautions
155	Precautions	Fall Precautions
156	Precautions	Choking Precautions
157	Precautions	Seizure Precautions
158	Precautions	Bleeding Precautions
159	Precautions	Other Precautions
160	Special Tasks	Assist with Medication Reminder (Self-Administered)
161	Special Tasks	Assist with Self-Administered Medicines
162	Special Tasks	Record I & O
163	Special Tasks	Emergency Call Systems checked - Ensure plugged in and client wearing
164	Special Tasks	Vital sign: Temp
165	Special Tasks	Vital Sign: B/P
166	Special Tasks	Vital Sign: Pulse
167	Special Tasks	Vital Sign: Respiration
168	Special Tasks	Vital Sign: Weight
169	Special Tasks	Other Special Task
180	Support/Hmkr Services	Grocery shop
185	Support/Hmkr Services	Empty Trash
186	Support/Hmkr Services	Change Linens

Appendix 7

Abbreviations

Abbreviation	Name
ANI	Automatic Number Identification
BYOD	Bring Your Own Device
CDS	Consumer Directed Services
EVV	Electronic Visit Verification
FI	Fiscal Intermediary
GPS	Global Positioning System
IVR	Interactive Voice Response – the underlying system used for telephony
MVV	Mobile Visit Verification
PA	Prior Authorization
PIN	Personal Identity Number
SMC	Sandata Mobile Connect
SSN	Social Security Number
TVV	Telephonic Visit Verification

Appendix 8

Technical Companion and Examples

This appendix serves as additional technical documentation for the use of the Sandata OpenEVV Alt-EVV APIs.

API Location

The RESTful APIs can be reached at the following locations:

Production:
https://api.sandata.com/interfaces/intake/clients/rest/api/v1.1
https://api.sandata.com/interfaces/intake/employees/rest/api/v1.1
https://api.sandata.com/interfaces/intake/visits/rest/api/v1.1

UAT:
https://uat-api.sandata.com/interfaces/intake/clients/rest/api/v1.1
https://uat-api.sandata.com/interfaces/intake/employees/rest/api/v1.1
https://uat-api.sandata.com/interfaces/intake/visits/rest/api/v1.1

The endpoints accept JSON data and support the HTTP POST method.

Authentication Header

The API endpoints utilize Basic Authentication. Therefore, a valid "Authorization" header must be sent with each request. This header is simply a Base 64 encoded representation of the username and password in the format "username:password".
The credentials are determined and distributed during implementation.
An example header for "user@example.com" with password "secret" would be:
Authorization: Basic dXNlckBleGFtcGxlLmNvbTpzZWNyZXQ=

Account Header

In addition to the "Authorization" header, a header denoting the callers EVV "Account" must be sent. The credentials provided are specific to an account, and all data sent must also correspond to that account, or the request will be rejected.

An example of this header would be:

Account: 12345

Alternatively, for MCO customers and other vendors sending data on behalf of multiple EVV accounts, the "EntityGuid" header is used. This ID will be provided by Sandata during implementation.

An example of this header would be:
EntityGuid: 12345

Content-Type Header
As with all RESTful API requests, the "Content-Type" header should also be included:

Content-Type: application/json

Workflow

Interacting with the APIs is a two-step process:
Step 1 – Send a POST request with the data to the API
Step 2 – Utilize the "Status" API to check that processing completed successfully

Details are as follows:

The first step is to POST the data being sent to the URLs mentioned above in the "API Location" section. When data is sent, the Sandata system will validate the input meets the business requirements, process the data, and return a response.

The response sends back some key pieces of information. This includes any errors that may have been flagged, as well as a UUID, generated by Sandata, which uniquely identifies the request. See example responses below in the "Sample Response" section.
After this response is sent, the Sandata system begins processing the data into the system. Since the initial POST has already received a response, callers must use a second endpoint to check on the status of their request.
To this end, each API is accompanied by an additional endpoint for checking status. This endpoint is reached simply by appending "/status" to the URLs in the "API Location" section above. Calls to this endpoint must utilize the HTTP GET method and send in the UUID that is returned in the response to the POST call.
An example GET request for status for clients, would be sent as follows:
https://api.sandata.com/interfaces/intake/clients/rest/api/v1.1/status?uuid=8d7c31f7-4a09-41a9-8edd-f9819def58f1
Sample data can be found below.

In summary, the caller would POST data to the API, receive a response with a UUID, then utilize the "status" endpoint via GET in order to determining if processing was completed and successful.

Sample POST Data

Below find sample POST bodies for each entity, as well as sample responses in both successful and unsuccessful situations. Note that, based on implementation, not all fields are required to be present. In addition, certain implementations may include custom fields that are not represented in the samples. Please refer to the addendum for a full set of fields and their details.

JSON Employee

```
[{
"ProviderIdentification": {
"ProviderQualifier": "SandataID",
"ProviderID": "123456"
},
"EmployeeQualifier": "EmployeeSSN",
"EmployeeIdentifier": "999999999",
"EmployeeOtherID": "2222",
"SequenceID": 99811930002,
"EmployeeSSN": "999999999",
"EmployeeLastName": "Employee",
"EmployeeFirstName": "Test",
"EmployeeEmail": "dummy@sandata.com",
"EmployeeManagerEmail": "dummymanager@sandata.com",
"EmployeeAPI": "111111111",
"EmployeePosition": "RN"
}]
```

JSON Client

[{
"ProviderIdentification": {
"ProviderQualifier": "SandataID",
"ProviderID": "123456"
},
"ClientID": "96641",
"ClientFirstName": "Test",
"ClientMiddleInitial": "T",
"ClientLastName": "Client",
"ClientQualifier": "ClientSSN",
"ClientMedicaidID": "999999999",
"ClientIdentifier": "999999999",
"MissingMedicaidID": "False",
"SequenceID": 99811930002,
"ClientCustomID": "111111111",
"ClientOtherID": "2222",
"ClientSSN": "999999999",
"ClientTimezone": "US/Eastern",
"Coordinator": "123",
"ClientPayerInformation": [{
"PayerID": "57",
"PayerProgram": "123",
"ProcedureCode": "123",
"ClientPayerID": "987654321",
"ClientEligibilityDateBegin": "2019-01-01",
"ClientEligibilityDateEnd": "2020-01-01",
"ClientStatus": "02",
"EffectiveStartDate": "2019-01-01",
"EffectiveEndDate": "2020-01-01"
}],
"ClientAddress": [{
"ClientAddressType": "Home",
"ClientAddressIsPrimary": true,
"ClientAddressLine1": "36 West 5th Street",
"ClientAddressLine2": "10th Floor",
"ClientCounty": "Kings",
"ClientCity": "Manhattan",
"ClientState": "NY",
"ClientZip": "10017",
"ClientAddressLongitude": -73.4228741,
"ClientAddressLatitude": 40.7431032
}],
"ClientPhone": [{
"ClientPhoneType": "Home",
"ClientPhone": "1234567890"
}],
"ClientDesignee": [{
    "ClientDesigneeFirstName": "",
    "ClientDesigneeLastName": "",
    "ClientDesigneeEmail": "",
    "ClientDesigneeStatus": "",
    "ClientDesigneeStartDate": "",
    "ClientDesigneeEndDate": "",
    "ClientDesigneeRelationship": ""
    }]
"ClientResponsibleParty": [{
"ClientContactType": "Other",
"ClientContactFirstName": "Test",
"ClientContactLastName": "Respparty",
"ClientContactPhoneType": "Mobile",
"ClientContactPhone": "3478788467",
"ClientContactEmailAddress": "dummy@sandata.com",
"ClientContactAddressLine1": "2727 East 29th Street",
"ClientContactAddressLine2": "Apt 8I",
"ClientContactCity": "Brooklyn",
"ClientContactState": "NY",
"ClientContactZip": "11229"
}]
}]

JSON Visit

[{
"ProviderIdentification": {
"ProviderID": "123456",
"ProviderQualifier": "SandataID"
},
"VisitOtherID": "123456789",
"SequenceID": 111,
"EmployeeQualifier": "EmployeeSSN",
"EmployeeOtherID": "999999999",
"EmployeeIdentifier": "999999999",
"GroupCode": null,
"ClientIDQualifier": "ClientMedicaidID",
"ClientID": "111111111",
"ClientOtherID": "111111111",
"VisitCancelledIndicator": false,
"PayerID": "999",
"PayerProgram": "PRG",
"ProcedureCode": "T1000",
"Modifier1": null,
"Modifier2": null,
"Modifier3": null,
"Modifier4": null,
"VisitTimeZone": "US/Eastern",
"ScheduleStartTime": "2019-07-28T16:02:26Z",
"ScheduleEndTime": "2019-07-28T20:02:26Z",
"AdjInDateTime": "2019-07-28T15:02:26Z",
"AdjOutDateTime": "2019-07-28T19:02:26Z",
"BillVisit": true,
"HoursToBill": 10,
"HoursToPay": 10,
"Memo": "This is a memo!",

```
"ClientVerifiedTimes": true,
"ClientVerifiedTasks": true,
"ClientVerifiedService": true,
"ClientSignatureAvailable": true,
"ClientVoiceRecording": true,
"Calls": [{
"CallExternalID": "123456789",
"CallDateTime": "2019-07-28T16:02:26Z",
"CallAssignment": "Time In",
"GroupCode": null,
"CallType": "Other",

"ProcedureCode": "T1000",
"ClientIdentifierOnCall": "111111111",
"MobileLogin": null,
"CallLatitude": 40.34455,
"CallLongitude": -21.99383,
"Location": "123",
"TelephonyPIN": 999999999,
"OriginatingPhoneNumber": "9997779999"
}],
"VisitExceptionAcknowledgement": [{
"ExceptionID": "15",
"ExceptionAcknowledged": false
}],
"VisitChanges": [{
"SequenceID": "110",
"ChangeMadeBy": "dummy@sandata.com",
"ChangeDateTime": "2019-07-25T18:45:00Z",
"GroupCode": null,
"ReasonCode": "7227",
"ChangeReasonMemo": "Change Reason Memo 999",
"ResolutionCode": "A"
}],
"VisitTasks": [{
"TaskID": "321",
"TaskReading": "98.6",
"TaskRefused": false
}]
}]
```

Sample Responses

See some sample responses below. Note that the samples are provided for employee, but the same pattern is followed for both client and visit.

Employee POST (Successful)

```
{
  "id": "7f6dcd1a-ec5e-4efd-a2d4-1049756016a5",
  "status": "SUCCESS",
  "messageSummary": "The result for the input UUID is not ready yet. Please try again.",
  "data": {
    "uuid": "7f6dcd1a-ec5e-4efd-a2d4-1049756016a5",
    "account": "12345",
    "message": "The result for the input UUID is not ready yet. Please try again.",
    "reason": "Transaction Received."
  }
}
```

Employee POST (Validation Error)

```
{
  "id": "ea76e9a1-9b29-4f3d-af1c-6b573eb29b76",
  "status": "FAILED",
  "messageSummary": "[1] Records uploaded, please check errors/warnings and try again.",
  "data": [
    {
      "ProviderIdentification": {
        "ProviderID": "123456",
        "ProviderQualifier": "SandataID",
        "ErrorCode": null,
        "ErrorMessage": null
      },
      "EmployeeIdentifier": "999999999",
      "EmployeeOtherID": "2222",
      "SequenceID": 99811930002,
      "EmployeeQualifier": "EmployeeSSN",

      "EmployeeSSN": "999999999",

      "EmployeeLastName": "Employee",
      "EmployeeFirstName": "Test",
      "EmployeeEmail": "dummy@sandata.com",
      "EmployeeManagerEmail": "dummymanager@sandata.com",
      "EmployeeAPI": "111111111",
      "EmployeePosition": "AKN",
      "ErrorCode": null,
      "ErrorMessage": "ERROR: The EmployeePosition expected format is not correct. The record should satisfy this regular expression ['HHA|HCA|RN|LPN|PCA']. Invalid Value='AKN'. The record is being rejected."
    }
  ]
}
```

Employee GET (Status)

A sample response to a status GET request that has finished processing is:

```
{
"id": "73b7a9d7-a79a-45cc-9def-cb789c111f4b",
"status": "SUCCESS",
"messageSummary": "All records updated successfully.",
"data": {
"uuid": "73b7a9d7-a79a-45cc-9def-cb789c111f4b",
"account": null,
"message": "All records updated successfully.",
```

```
"reason": "Transaction Received."
}
}
```

If the request is not yet finished being processed, the "messageSummary" will be "The result for the input UUID is not ready yet. Please try again."

```
{
"id": "873a1d97-0681-402e-8268-b6cad8f2b4b7",
"status": "SUCCESS",
"messageSummary": "The result for the input UUID is not ready yet. Please try again.",
"data": {
"uuid": "873a1d97-0681-402e-8268-b6cad8f2b4b7",
"account": "12345",
"message": "The result for the input UUID is not ready yet. Please try again.",
"reason": "Transaction Received."
}
}
```

If the request was processed but failed business rules, an example status would be:

```
{
 "id": "e5de964b-9803-4051-b89b-8a89926e4983",
 "status": "SUCCESS",
 "messageSummary": "[2] Records uploaded, please check errors/warnings and try again.",
 "data": [
  {
    "ProviderIdentification": {
      "ProviderID": "123456",
      "ProviderQualifier": "SandataID",
      "ErrorCode": null,
      "ErrorMessage": null
    },
    "EmployeeIdentifier": "999999999",
    "EmployeeOtherID": "2222",
    "SequenceID": 99811930002,
    "EmployeeQualifier": "EmployeeSSN",
    "EmployeeSSN": "999999999",
    "EmployeeLastName": "Employee",
    "EmployeeFirstName": "Test",
    "EmployeeEmail": "dummy@sandata.com",
    "EmployeeManagerEmail": "dummymanager@sandata.com",
    "EmployeeAPI": "111111111",
    "EmployeePosition": "RN",
    "ErrorCode": "-709",
    "ErrorMessage": "Version number is duplicated or older than current"
  }
 ]
}
```