

RIEOHHS CDS Third Party EVV Addendum v1.6

Addendum to Third Party Alternate EVV System Specification v7.9

Sandata Technologies, LLC
270 Duffy Avenue,
Unit 266A
Hicksville, NY 11801
Toll Free: 800-544-7263
Tel: 516-484-4400
Fax: 516-484-0679
Email: info@sandata.com
Web: www.sandata.com

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1 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)	Client: UAT: https://uat-api.sandata.com/interfaces/intake/clients/rest/api/v1.1 Employee: UAT: https://uat-api.sandata.com/interfaces/intake/employees/rest/api/v1.1 Visit: UAT: https://uat-api.sandata.com/interfaces/intake/visits/rest/api/v1.1 Client: Prod: https://api.sandata.com/interfaces/intake/clients/rest/api/v1.1 Employee: Prod: https://api.sandata.com/interfaces/intake/employees/rest/api/v1.1 Visit: Prod: https://api.sandata.com/interfaces/intake/visits/rest/api/v1.1
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 the vendor's discretion.

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.

For any additional information beyond that included in this document, please refer to the [General User Guide](#) (not state specific).

2.1 Intended Audience

The intended audience of this document is:

Project Management and Technical teams at Sandata.

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

2.2 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.

2.3 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.

2.4 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. Sandata supports 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	<p>The date and time are represented as a string with the following format:</p> <p>YYYY-MM-DDTHH:MM:SSZ</p> <p>All times will be provided in UTC.</p>	2016-12-20T16:10:28Z
Date (Only Date)	<p>The date is represented as a string with the following format:</p> <p>YYYY-MM-DD</p> <p>Date only will be sent in UTC format.</p>	2016-12-20
Timezone	<p>All time for tracking visits will be in UTC.</p> <p>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.</p> <p>The time zone name expected in each transaction is the actual time zone where the event took place. i.e., US/Eastern.</p>	<p>A complete list of time zones can be found at:</p> <p>https://www.iana.org/time-zones</p> <p>See Appendix for the list of time zones.</p>

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

3 Rejected Record Process

When records are received, Sandata will return against each group a transaction ID and an ACK (acknowledgment of receipt). This transaction ID can be queried by the caller for status of the records in the transaction. This process will allow the provider/vendor to “GET status” on any of the records that may have been rejected. The example below is for an employee record.



3.1 New Record and Updates

New records and updates for previously sent data should be provided via clients, employees, visits interfaces ('data packages'). If a set of records is sent (either client, employee, or visit), all associated applicable elements should be sent. Partial updates will be rejected. An update that deletes a record will not actually remove information since Sandata will not physically delete information. The deleted record/s will no longer be visible on the application. However, the record history will maintain the original data received.

4 Transmission Method

Sandata supports SOA architecture. Sandata will provide an API for 3rd party vendors or agency's internal IT organizations to utilize. Sandata will provide sample JSON format information (Java equivalent to XML), as well as WADL (JSON equivalent of the WSDL) to those parties developing the interface. This specification will include the REST endpoints needed to request status on record acceptance /rejection.

4.1 Rules

The following rules apply to information received through this interface. For all rules that result in a rejection, it is expected that the issue will be resolved in the Alternate Data Collection System and the information subsequently retransmitted.

There is one set of Interfaces per Sandata Provider Agency State ID.

There will be 3 independent types of data provided through the Alternate EVV interface:

- Clients
- Employees (Field Staff)
- Visit Information

Each will be sent individually but can be delivered through the same single connection.

THE ALTERNATE DATA COLLECTION SYSTEM WILL BE RESPONSIBLE FOR:

Visit transmittals: Visits should be transmitted near real time. Actual payer frequency requirements may vary. Note that rejection responses will be delivered as separate API calls initiated by the third party. Information should be sent for only those records that are added, changed, or deleted. This is an incremental interface. Records which have not changed should not be resent.

Complete transmissions:

- When sending a client, all applicable elements and sub elements must be sent during each transmission.
- When sending an employee, all applicable elements and sub elements must be sent during each transmission.
- When sending a visit, all applicable elements and sub elements must be sent during each transmission.

Call matching: Calls received regardless of the collection method used by the Alternate Data Collection System are received together into a complete visit by the Aggregator, per the specification. Sandata will not attempt to match or rematch the visits received.

Data quality: All data will be accepted from third party data “as is,” including any calculated fields.

Latitude and Longitude: Alternate EVV Data Collection Systems are responsible for providing latitude and longitude on all client addresses provided. Latitude and longitude must be provided for both the visit start and visit end time, assuming it is collected via a GPS-enabled device.

Assigning sequence numbers: For each of the 3 types of records (client, employee, visit), the Alternate Data Collection System will be responsible for assigning sequence numbers for each interface to ensure that updates are applied in the appropriate sequence. If a record is rejected, an incremented sequence is expected on the next transmission of that record set. Sequence numbers are per unique record (client, employee, visit) and record set (modifications to the same client, employee, visit). For example, the first time a particular client is sent, the sequence would be set to 1. The second time that same client is sent, the sequence would be set to 2, etc.

Ability to correct defined exceptions: Exceptions must be corrected using the standard set of reason codes provided by Payer/State. Some of the defined reason codes require additional text to provide additional information; this information must also be sent as part of this interface.

Change log transmission: Changes made to all visit information must be fully logged, and the log information must be transmitted as part of the visit record, as applicable. The log must be completed in the VisitChanges segment.

Standard date/time format: All dates and times provided must be sent in UTC (Coordinated Universal Time) format in GMT.

GENERAL PROCESSING RULES:

If a record is received and any required data is missing, malformed, or incomplete as defined in the specification, the record will be rejected or set to default values in accordance with the detailed specifications.

If an optional field is provided with an invalid value (one not listed in this specification), the field will be set to the default value, null and/or rejected, unless otherwise specified in this specification.

If text (string) field length is longer (>/greater than) than the maximum allowed for that field value, unless otherwise noted, the field will be truncated to the maximum length specified for that field.

Any record without a sequence number will be rejected. Sequence numbers are per unique record (client, employee, visit). For example, the first time a particular client is sent, the sequence would be set to 1. The second time the same client is sent, the sequence would be set to 2, etc.

Records will be processed in the order received using the assigned sequence number.

If the record is received with a sequential number that is less than the one already processed, the data will be rejected with error “Version number is duplicated or older than current.” The vendor must correct the SequenceID and resend the data.

Header information as determined for the payer and program must be included in each transmission for each record (client, employee, visit), otherwise the entire collection of records will be rejected.

CLIENT RULES:

The following represents a subset of the requirements for client information. Please see the Field Information section of this document for all applicable rules.

If the client does not include at least 1 complete address (address line 1, city, state, zip code) the client will be rejected.

If the client does not include the defined unique identifier, the client will be rejected.

If the client does not include first name, last name and time zone, the client will be rejected.

EMPLOYEE RULES:

The following represents a subset of the requirements for employee information. Please see the Field Information section of this document for all applicable rules.

If SequenceID and Staff ID are not provided, the employee will be rejected.

If an employee's first name and last name are not provided, the employee will be rejected.

VISIT RULES:

Clients and Employees must be sent before visits, to ensure they exist in the Sandata system at the time of visit receipt.

No Client Provided - To allow the Aggregator to determine if the visit is for a Payer/State client, the visit must include a client. If a visit does not include a client, the complete visit will be rejected.

Invalid/Unknown Client Provided - To allow the Aggregator to determine if the visit is for a Payer/State Client, the visit must include a valid client associated with the payer. If a visit includes a client that is unknown to Sandata (has not been received and accepted), the complete visit record will be rejected.

No Employee Provided / Invalid or Unknown Employee Provided - If a visit does not include an employee (visit record send without an employee associated), The visit will be rejected as 'Worker not found'. The data will not process with an 'Unknown Employee' exception in Aggregator.

The Alternate EVV system is expected to be able to handle a visit that crosses calendar days.

A visit can only be cancelled if it does not have any calls associated with it or any adjusted times. If a visit has calls but is being cancelled in the source EVV system, the “Bill Visit” indicator should be set to False to indicate that the visit should be disregarded for billing purposes. The visit status will be set to Omit by the Aggregator.

The following rules apply to the dates and times provided for the visit:

Date and Time Exists for the Following:				Rule
Call In	Call Out	Adjusted In	Adjusted Out	
x	x			Call Out must be > Call In Otherwise record rejected.
Superseded by Adj. In	Superseded by Adj. Out	x	x	Adj. Out must be > Adj. In Otherwise record rejected.
x	Superseded by Adj. Out		x	Adj. Out must be > Call In Otherwise record rejected.
Superseded by Adj. In	x	x		Call Out must be > Adj. In Otherwise record rejected.

Upon receipt, Sandata will calculate all configured Payer/Program exceptions and apply those exceptions as applicable. For those exceptions that may be recalculated over the life of the visit, these exceptions will be calculated as appropriate.

It is assumed that there are some exceptions that cannot be “fixed” in the Alternate Data Collection System by their nature. They are configured for the Payer/State program as requiring acknowledgement by the system user. One of the included visit elements provides the ability for the user to send their acknowledgement. These exceptions require attestation that the exception has been reviewed/acknowledged in the system along with the appropriate reason code and attestation that appropriate documentation exists. Exceptions are specific to a given Payer/Program and will be noted in the associated appendix.

Upon receipt, Sandata will calculate and apply visit status as defined for the Payer/Program.

The Alternate Data Collection System will be expected to send a reason code and optionally the defined resolution code if it applies to the payer. Based on the definitions of the reason codes, some reason codes require additional information explaining the change. If additional information is required, the alternate data collection system must collect the information and include it when transmitting the visit to Sandata.

5 Sequencing

The SequenceID on all three types of records (clients, employees, visits) should be independent per record and should be incremented each time any record is sent. The Sequence ID will be used to ensure that a record is processed only once and that the most current information is used for reporting and claims processing. In the event a visit update is not accepted (rejected), the SequenceID on that transmission should not be reused. The next update should increment to the next number in the sequence. Failure to do so will cause the new record to be rejected as a duplicate.

Sequence Rules:

- If the latest SequenceID is greater than the highest value previously received, the record set will not be rejected. i.e., latest SequenceID = 5, previous SequenceID = 4 Record accepted, and latest record is displayed.
- If the latest SequenceID is less than the value previously received, and the record has not yet been processed, it will be accepted and recorded as historical information. i.e., latest SequenceID

= 8, previous SequenceID = 10 Record accepted, and latest record is still SequenceID = 10.

- If the Sequence ID is equal to a value previously received, it will be rejected. i.e., latest SequenceID = 15, previous SequenceID = 15 Record rejected.
- Gaps in sequence will be allowed.

Please Note:

For those agencies that wish to use the Alternate EVV interface, and would prefer to use timestamps as the sequence number in their deliveries, the Sandata system can accept the timestamp value as the sequence number, under two conditions:

1. The timestamp value provided must contain only numbers, and no other symbols (i.e. “/”, “-”, and “:” characters removed)
2. The timestamp value provided must be formatted as YYYYMMDDHHMMSS. For example:



6 Message Acknowledgement (ACK) and Transaction ID

Index	Column Name	Description	Max Length	Type
1	AgencyIdentifier	Unique identifier for the agency.	10	String
2	ProviderID	Unique identifier for the agency.	64	String
3	TransactionID	Unique identifier for the request generated by the payer.	50	String
4	Reason	Default and only value provided: "Transaction Received"	250	String

7 Response for Record Status

Index	Column Name	Description	Max Length	Type
1	AgencyIdentifier	Unique identifier for the agency.	10	String
2	ProviderID	Unique identifier for the agency.	64	String
3	RecordType	Type of record that was rejected Values: Client, Employee, Visit	10	String
4	RecordOtherID	Value of the record identifier	50	String
5	Reason	Default and only value provided: "Transaction Received"	250	String

8 RI EOHHS Specific Requirements

This interface, for Rhode Island, is intended for Third-Party EVV Vendors to provide completed visits on at least a daily basis to the Sandata Aggregator for only the CDS population. Visits are completed when all required information has been supplied for the visit and all visit exceptions have been remediated. Sandata will verify that visits received pass all RI EOHHS edit rules on receipt. Note that the expectation is that all visit changes will be supplied along with the final completed visit.

8.1 EVV- Element- Activity

The following element includes the visit information for the client. This includes both the client and employee information. Both client and employee must exist in the system for a visit to be successfully uploaded or it must be part of the same transaction set.

Note: Conditional means if it is present then it is required.

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
Provider Identification: Required.						
<p>Provider Identification: Required. Note that this element will be required as part of the header information provided for all three types of transmissions. This information will be compared to the connection being used within the interface to ensure that the transmission is appropriate. If this match cannot be validated, the transmission will be rejected. As part of the implementation process, required fields may be adjusted and the available fields may be reduced based on the program specifics.</p>						
1	ProviderQualifier	Identifier being sent as the unique identifier for the provider. Values: SandataID, NPI, API, MedicaidID, TaxID, Taxonomy, Legacy, Other.	20	String	Yes	Other
2	ProviderID	Unique identifier for the agency.	64	String	Yes	Provider NPI Value
Client General Information: Required						
Additional fields may be required depending on the program; fields below may be ignored if a Payer Client feed is implemented.						
1	ClientID	Assigned client_id. If a value is assigned by another system. Note that this value can be automatically assigned by Sandata EVV.	10	String	Optional	SANDATA ASSIGNED
2	ClientFirstName	Client's First Name.	30	String	Yes	LIVE DATA
3	ClientMiddleInitial	Client's Middle Initial	1	String	Optional	LIVE DATA
4	ClientLastName	Client's Last Name.	30	String	Yes	LIVE DATA
5	ClientQualifier	Value being sent to unique identify the client. Should be the same as the value used by the Payer if a client feed is provided by the payer.	20	String	Yes	ClientOtherID
6	ClientMedicaidID	Unique ID provided by the State Medicaid program to the client.	64	String	Yes	10 DIGITS
7	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.	64	String	Yes	Value for ClientMedicaidID 10 DIGITS
8	MissingMedicaidID	Indicator that a patient is a newborn. If this value is provided, ClientMedicaidID will be ignored and will be valid as null.	5	String	Optional	True False

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
9	SequenceID	The Third Party EVV visit sequence ID to which the change applied.	16	Integer	Yes	If TIMESTAMP is used: YYYYMMDDHHMMSS (Numbers only; no characters)
10	ClientCustomID	Additional client user-defined ID. Commonly used to customize the built-in ClientID within the system. Must be provided if billing is in scope. May be equal to another ID provided.	24	String		DO NOT PROVIDE
11	ClientOtherID	Additional client user-defined ID. Commonly used to store client's ID from another system. This value is used to match the client to an existing record during import. During implementation it will be determined if this value or the ClientSSN will be used for matching.	24	String	Conditional	Value for ClientMedicaidID 10 DIGITS
12	ClientSSN	Client's social security number. If the field is left empty, ClientOtherID must be populated. Not required if ClientOtherID sent. Numbers only, no dashes and leading zeros must be included. May be required if needed for billing. Format #####	9	String		DO NOT PROVIDE
13	ClientTimeZone	Client's primary time zone. Depending on the program, this value may be defaulted or automatically calculated. Please see the appendix for acceptable values.	64	String	Yes	See Appendix 3
14	Coordinator	The staff member assigned to the client in a specific agency as the coordinator (supervisor) for an employee.	3	String	Optional	LIVE DATA
15	ProviderAssentContPlan	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.	5	Boolean		DO NOT PROVIDE
Client Payer Information: DO NOT PROVIDE						
This segment is only required for programs where members/clients and their association to the associated programs and services is not provided by the payer (within authorization data).						
1	PayerID	Sandata EVV assigned ID for the payer.	64	String	Yes	DO NOT PROVIDE
2	PayerProgram	If applicable, the program to which this visit belongs.	9	String	Yes	DO NOT PROVIDE

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
3	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	5	String	Yes	DO NOT PROVIDE
4	ClientPayerID	Unique identifier sent by the payer.	20	String	Optional	DO NOT PROVIDE
5	ClientEligibilityDateBegin	Client eligibility begin date. This field is optional if ClientStatus is sent.	10	Date	Conditional	DO NOT PROVIDE
6	ClientEligibilityDateEnd	Client eligibility end date. This field is optional if ClientStatus is sent.	10	Date	Conditional	DO NOT PROVIDE
7	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.	2	String	Conditional	DO NOT PROVIDE
8	EffectiveStartDate	The effective start date for the client payer information.	10	Date	Yes	DO NOT PROVIDE
9	EffectiveEndDate	The effective end date for the client payer information.	10	Date	Optional	DO NOT PROVIDE
Client Address: Required						
At least one record for each client is required if GPS validation is required for the program. If an address is provided via a payer feed, this address information will be regarded as secondary based on program rules.						
1	ClientAddressType	Client address. Note that multiple of the same type of address can be provided.	12	String	Yes	Home Business Other
2	ClientAddressIsPrimary	One address must be designated as primary. Values: true/false	5	String	Yes	True False
3	ClientAddressLine1	Street Address Line 1 associated with this address. PO Box may not be acceptable for Billing and PO Box will not function correctly for MVV.	30	String	Yes	LIVE DATA
4	ClientAddressLine2	Street address line 2 associated with this address.	30	String	Optional	LIVE DATA
5	ClientCounty	County associated with this address	25	String	Optional	LIVE DATA
6	ClientCity	City associated with this address.	30	String	Yes	LIVE DATA
7	ClientState	State associated with this address. Two Character standard abbreviation.	2	String	Yes	Format: 2 char standard state abbreviation
8	ClientZip	Zip Code associated with this address. Required for Billing. 9-digit primary	9	String	Yes	Format: #####

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		address zip code. If additional 4 digits are not known, provide zeros (e.g. #####0000).				
9	ClientAddressLongitude	Calculated for each address.	20	Decimal	Optional	LIVE DATA
10	ClientAddressLatitude	Calculated for each address.	19	Decimal	Optional	LIVE DATA
Client Phone: Optional.						
1	ClientPhoneType	Client Phone. Note that multiple of the same type can be provided.	12	String	Optional	Home Mobile Business Other
2	ClientPhone	Client phone number.	10	String	Required	FORMAT: #####
Client Designee: DO NOT PROVIDE						
Client Designee: provide if applicable for the client and in the absence of a payer client feed. Optional.						
1	ClientDesigneeFirstName	First Name of the Client Designee.	30	String	Yes	DO NOT PROVIDE
2	ClientDesigneeLastName	Last Name of the Client Designee.	30	String	Yes	DO NOT PROVIDE
3	ClientDesigneeEmail	Email address of the Client Designee.	50	String	Yes	DO NOT PROVIDE
4	ClientDesigneeStatus	<p>Status of the Client Designee pertaining to Sandata system access. If the ClientDesigneeStatus is sent, ClientDesigneeStartDate and ClientDesigneeEndDate are not required.</p> <p>(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.</p> <p>(Please note Activation and termination dates cannot be backdated or future dated)</p> <p>Available Values:</p> <p>02 = Active, 04 = Inactive.</p>	2	String	Conditional	DO NOT PROVIDE
5	ClientDesigneeStartDate	The date Client Designee was assigned. Future date is not acceptable. If the	10	Date	Conditional	DO NOT PROVIDE

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		ClientDesigneeStartDate is sent, ClientDesigneeStatus is not required.				
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.	10	Date	Conditional	DO NOT PROVIDE
7	ClientDesigneeRelationship	Relationship of the Designee to the client.	30	String	Optional	DO NOT PROVIDE
Responsible Party: Optional.						
Provide if applicable for the client and in the absence of a payer client feed.						
1	ClientContactType	Client contact type	12	String	Optional	Family Other
2	ClientContactFirstName	Client contact first name. Entered by provider agency.	30	String	Optional	LIVE DATA
3	ClientContactLastName	Client contact last name. Entered by provider agency.	30	String	Optional	LIVE DATA
4	ClientContactPhoneType	Client contact's phone type.	12	String	Optional	Business Home Mobile Other
5	ClientContactPhone	Client contact home phone number. Entered by provider agency.	10	String	Optional	FORMAT: #####
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.	64	String	Optional	Format: xxx@xxx.xxx Validation Rules: @ and extension (.xxx) are required to validate an address.
7	ClientContactAddressLine1	Client contact's street address, line 1	30	String	Optional	LIVE DATA
8	ClientContactAddressLine2	Client contact's street address, line 2	30	String	Optional	LIVE DATA
9	ClientContactCity	Client contact's city	30	String	Optional	LIVE DATA
10	ClientContactState	Client contact's state. Two character standard abbreviation.	2	String	Optional	Format: 2 char standard state abbreviation
11	ClientContactZip	Client contact's zip code. 9 digit primary address zip code. If additional 4 digits are not known, provide zeros (e.g. #####0000).	9	String	Optional	Format: #####
Provider Identification: Required						

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
<p>Note that this element will be required as part of the header information provided for all three types of transmissions. This information will be compared to the connection being used within the interface to ensure that the transmission is appropriate. If this match cannot be validated, the transmission will be rejected. As part of the implementation process, required fields may be adjusted and the available fields may be reduced based on the program specifics.</p>						
1	ProviderQualifier	Identifier being sent as the unique identifier for the provider. Values: SandataID, NPI, API, MedicaidID, TaxID, Taxonomy, Legacy, Other.	20	String	Yes	Other
2	ProviderID	Unique identifier for the agency.	64	String	Yes	Provider NPI Value
Employee General Information: Optional.						
1	EmployeeQualifier	Value being sent to unique identify the employee.	20	String	Yes	EmployeeCustomID
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.	9	String	Yes	Employee FULL SSN
3	EmployeeOtherID	Unique employee identifier in the external system.	64	String	Optional	DO NOT PROVIDE
4	SequenceID	The Third Party EVV visit sequence ID to which the change applied	16	Integer	Yes	If TIMESTAMP is used: YYYYMMDDHHMMSS (Numbers only; no characters)
5	EmployeeSSN	Employee Social Security Number. Employee SSN may be required depending on the program rules.	9	String	Yes	FORMAT: ##### FULL SSN NOTE: THIS IS A REQUIRED FIELD
6	EmployeeLastName	Employee's Last Name	30	String	Yes	LIVE DATA
7	EmployeeFirstName	Employee's First Name	30	String	Yes	LIVE DATA
8	EmployeeEmail	Employee's Email Address	64	String	Optional	Format: xxx@xxx.xxx Validation Rules: @ and extension (.xxx) are required to validate an address.
9	EmployeeManagerEmail	Email of the employee's manager	64	String	Optional	Format: xxx@xxx.xxx

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
						Validation Rules: @ and extension (.xxx) are required to validate an address.
10	EmployeeAPI	Employee client's alternate provider identifier or Medicaid ID	25	String	Optional	DO NOT PROVIDE
11	EmployeePosition	Valid values include: HHA, HCA, RN, LPN, PCA If multiple positions, send primary.	3	String	Optional	HHA HCA RN LPN PCA
12	EmployeeHireDate	Employee's date of hire.	10	Date	Optional	Format: YYYY-MM-DD
13	EmployeeEndDate	Employee's HR recorded end date.	10	Date	Optional	Format: YYYY-MM-DD
Provider Identification: Required						
<p>Note that this element will be required as part of the header information provided for all three types of transmissions. This information will be compared to the connection being used within the interface to ensure that the transmission is appropriate. If this match cannot be validated, the transmission will be rejected. As part of the implementation process, required fields may be adjusted and the available fields may be reduced based on the program specifics.</p>						
1	ProviderQualifier	Identifier being sent as the unique identifier for the provider. Values: SandataID, NPI, API, MedicaidID, TaxID, Taxonomy, Legacy, Other.	20	String	Yes	Other
2	ProviderID	Unique identifier for the agency.	64	String	Yes	Provider NPI Value
Visit General Information: Required.						
1	VisitOtherID	Visit identifier in the external system	50	String	Yes	LIVE DATA
2	SequenceID	The Third Party EVV visit sequence ID assigned to this record.	16	Integer	Yes	If TIMESTAMP is used: YYYYMMDDHHMMSS (Numbers only; no characters)
3	EmployeeQualifier	Value being sent to unique identify the employee.	20	String	Yes	EmployeeSSN
4	EmployeeOtherID	Unique employee identifier in the external system, if any.	64	String	Optional	DO NOT PROVIDE
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	9	String	Yes	EMPLOYEE FULL SSN

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		with the payer information provided and should be defined as the same value.				
6	GroupCode	This visit was part of a group visit. Group Code is used to reassemble all members of the group.	6	String	Optional	LIVE DATA
7	ClientIDQualifier	Value being sent to unique identify the client. Should be the same as the value used by the Payer if a client feed is provided by the payer.	20	String	Yes	ClientOtherID
8	ClientID	Identifier used in the client element.	64	String	Yes	SANDATA ASSIGNED
9	ClientOtherID	Additional client user-defined ID. Commonly used to store client's ID from another system. This value is used to match the client to an existing record during import.	24	String	Optional	Value for ClientMedicaidID
10	VisitCancelledIndicator	True/false - allows a visit to be cancelled / deleted based on defined rules.	5	String	Yes	True False
11	PayerID	Sandata EVV assigned ID for the payer.	64	String	Yes	See Appendix 1 PayerID column
12	PayerProgram	The program associated to the visit.	9	String	Yes	See Appendix 1 ProgramID column
13	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	5	String	Yes	See Appendix 2 HCPCS column
14	Modifier1	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed.	2	String	Optional	See Appendix 2 Modifier columns
15	Modifier2	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed.	2	String	Optional	See Appendix 2 Modifier columns
16	Modifier3	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed.	2	String	Optional	See Appendix 2 Modifier columns
17	Modifier4	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed.	2	String	Optional	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.	64	String	Yes	See Appendix 3 for valid values
19	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	20	DateTime	Optional	FORMAT: YYYY-MM-DDTHH:MM:SSZ

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
20	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	20	DateTime	Optional	FORMAT: YYYY-MM-DDTHH:MM:SSZ
21	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	64	String	Optional	DO NOT PROVIDE
22	Reschedule	Indicator if schedule is a "reschedule"	5	Boolean	Optional	DO NOT PROVIDE
23	AdjinDateTime	Adjusted in date/time if entered manually. Otherwise the actual date/time received. Adjusted times are used when a visit was captured with or record with incorrect times. For instance, a caregiver forgets to sign out of a current visit for several hours. The agency can "adjust" the time to reflect the actual visit times. In Sandata systems when visit time is adjusted the system will update the adjusted time In and out for that record.	20	DateTime	Optional	FORMAT: YYYY-MM-DDTHH:MM:SSZ
24	AdjOutDateTime	Adjusted out date/time if entered manually. Otherwise the actual date/time received. Adjusted times are used when a visit was captured with or record with incorrect times. For instance, a caregiver forgets to sign out of a current visit for several hours. The agency can "adjust" the time to reflect the actual visit times. In Sandata systems when visit time is adjusted the system will update the adjusted time In and out for that record.	20	DateTime	Optional	FORMAT: YYYY-MM-DDTHH:MM:SSZ

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
25	BillVisit	True/False. If the visit is going to be billed, should be sent as Y. Otherwise N.	5	String	Optional	True False
26	HoursToBill	Hours that are going to be billed.	99.999	Decimal	Optional	LIVE DATA
27	HoursToPay	If payroll is in scope for the payer program, the hours to pay.	99.999	Decimal	Optional	LIVE DATA
28	Memo	Associated free form text	512	String	Optional	LIVE DATA
29	ClientVerifiedTimes	<p>The three fields work together in the Sandata system and generate an exception if the client validation and signature are not captured at the time of visit. The agency would need to provide details why the client did not confirm the visit times, tasks and/or why a signature was not obtained. Often, this gets triggered when the member receiving service is not available at the time the visit ends.</p> <p>Exception Note: When this field is marked as FALSE, a Visit Verification Exception will be triggered.</p>	5	String	Optional	True False
30	ClientVerifiedTasks	<p>The three fields work together in the Sandata system and generate an exception if the client validation and signature are not captured at the time of visit. The agency would need to provide details why the client did not confirm the visit times, tasks and/or why a signature was not obtained. Often, this gets triggered when the member receiving service is not available at the time the visit ends.</p>	5	String	Optional	True False
31	ClientVerifiedService	<p>The three fields work together in the Sandata system and generate an exception if the client validation and signature are not captured at the time of visit. The agency would need to provide details why the client did not confirm the visit times, tasks and/or why a signature</p>	5	String	Optional	True False

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		<p>was not obtained. Often, this gets triggered when the member receiving service is not available at the time the visit ends.</p> <p>Exception Note: When this field is marked as FALSE, a Service Verification Exception will be triggered.</p>				
32	ClientSignatureAvailable	<p>The actual signature will not be transferred. The originating system will be considered the system of record. The fields are marked as optional as the data cannot be captured once the visit is complete; therefore, the field will be blank. In this case, an exception will need to accompany the visit records stating why the data is missing or why the caregiver was unable to gather this during the visit.</p> <p>Exception Note: When this field OR ClientVoiceRecording is marked as FALSE, an Client Signature Exception will be triggered.</p>	5	String	Optional	True False
33	ClientVoiceRecording	<p>The actual voice recording will not be transferred. The originating system will be considered the system of record.</p> <p>Exception Note: When this field OR ClientSignatureAvailable is marked as FALSE, an Client Signature Exception will be triggered.</p>	5	String	Optional	True False
Calls - Conditional						
<p>Conditional segment if calls are not provided, adjusted times must be included in the parent visit element. Calls include any type of clock in or clock out depending on system capabilities. Note that some vendor systems may not record some visit activity as calls. If this is the case, the call element can be omitted. Sandata will treat visit information without calls as manually entered. The fields in this segment marked as required "Yes" are only needed when this segment is sent.</p>						
1	CallExternalID	Call identifier in the external system	16	String	Yes	LIVE DATA

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
2	CallDateTime	Event date time. Must be at least to the second.	20	Date Time	Yes	FORMAT: YYYY-MM-DDTHH:MM:SSZ
3	CallAssignment	Description of the call for EVV purposes.	10	String	Yes	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. This is a unique identifier sent from the vendor system which is associated to all members of the group visit.	6	String	Optional	LIVE DATA
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 verification device.	20	String	Yes	Telephony Mobile FVV Manual Other
6	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	5	String		See Appendix 2 HCPCS column
7	ClientIdentifierOnCall	If a client identifier was entered on the call, this value should be provided.	10	String	Optional	LIVE DATA
8	MobileLogin	Login used if a mobile application is in use for GPS calls. Required if CallType = Mobile.	64	String	Conditional	LIVE DATA
9	CallLatitude	GPS latitude recorded during event. Latitude has a range of -90 to 90 with a 15 digit precision. Required for CallType = Mobile Exception Info: If CallLatitude and CallLongitude are outside of the 1 mile radius for the visit location in the ClientAddress section, you will receive the GPS Distance Exception.	19	Decimal	Conditional	LIVE DATA
10	CallLongitude	GPS longitude recorded during event. Longitude has a range of -180 to 180 with a 15 digit precision. Required for CallType = Mobile.	20	Decimal	Conditional	LIVE DATA

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		Exception Info: If the CallLatitude and CallLongitude is outside of the 1 mile radius for one of the address's listed in the ClientAddress section, you will receive the GPS Distance Exception.				
11	Location	Specific values to be provided based on the program.	25	String	Optional	LIVE DATA
12	TelephonyPIN	PIN for telephony. Identification for the employee using telephony. Required if CallType = Telephony.	9	String	Conditional	LIVE DATA
13	OriginatingPhoneNumber	Originating phone number for telephony. Note: If this phone number does not match a phone number associated with the client, an Unmatched Client ID / Phone Exception will be returned. Required if CallType = Telephony.	10	String	Conditional	FORMAT: #####
Visit Exception Acknowledgement: CONDITIONAL						
This segment must be sent when exceptions exist (e.g. If ClientVerifiedService is sent as FALSE, then this section needs to be sent to clear the exception in our system. Otherwise, the visit will not process.)						
1	ExceptionID	ID for the exception being acknowledged. Exact values for exceptions implemented are based on program rules.	2	String	Required	See Appendix 5 ExceptionCode column
2	ExceptionAcknowledged	True/False	5	String	Optional	True False
Visit Changes: CONDITIONAL						
If there are any updates to records, VisitExceptionAcknowledgments or manual entries, this segment must be sent.						
1	SequenceID	The Third Party EVV visit sequence ID to which the change applied	16	String	Yes	If TIMESTAMP is used: YYYYMMDDHHMMSS (Numbers only; no 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.	64	String	Yes	LIVE DATA
3	ChangeDateTime	Date and time when change is made. At least to the second.	20	Date Time	Yes	FORMAT: YYYY-MM-DDTHH:MM:SSZ

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
4	GroupCode	This visit was part of a group visit. GroupCode is used to reassemble all members of the group.	6	String	Optional	LIVE DATA
5	ReasonCode	Reason Code associated with the change.	4	String	Yes	See Appendix 6 ReasonCode column
6	ChangeReasonMemo	Reason/Description of the change being made if entered. Note that this is a conditional field only required when a visit modification is made and where a reason note is required. If the reason note is required and one is not provided, this visit modification would be rejected.	256	String	Conditional	See Appendix 6 NoteRequired? Column
7	ResolutionCode	If the program is implemented to use resolution codes and a resolution code is required for each visit modification change, then this field is required in order for the visit modification record not to be rejected. Currently this is the only resolution code available for use.	4	String	Conditional	"A" = Written Documentation Maintained
Visit Tasks: OPTIONAL						
Visit Tasks: If you wish to match tasks from the original system to those allowed from the Task Appendix you can transfer those using this section.						
1	TaskID	TaskID, this taskID must map to the Task IDs used for the agency in the Sandata system	4	String	Yes	See Appendix 4 Task ID column for specific values
2	TaskReading	Task reading	6	String	Optional	LIVE DATA
3	TaskRefused	True, False	5	String	Optional	True False

9 Appendices

9.1 Payers & Programs

Payer ID	Program/Waiver Name	Program ID	Programs & Waivers Covered	Covered Services	Description
RI Medicaid	BHDDH	CDB		S5125, S5130, S5130L, T2017, T2017 U1U2, T1019	CDS Behavioral Health
RI Medicaid	PC	CDP		T1019	CDS Personal Choice
RI_NHP	Neighborhood Health Plan	RNH		T1019	For Account 17521 Only

9.2 Services & Modifiers

Payer	Program	HCPCS	Mod1	Mod2	Mod3	Mod4	Description
RI Medicaid	CDB	S5125					Attendant Care Service, High Acuity
RI Medicaid	CDB	S5130					Homemaker Services not otherwise stated
RI Medicaid	CDB	T2017	U1	U2			Habilitation
RI Medicaid	CDB	T1019					Personal Care Services
RI Medicaid	CDP	T1019					Personal Care Services
RI_NHP	RNH	T1019					Personal Care Services
RI Medicaid	CDB	S5130	TE				Community-Based Support

Time Zones

Time Zone Code
US/Alaska
US/Aleutian
US/Arizona
US/Central
US/East-Indiana
US/Eastern

Time Zone Code
US/Hawaii
US/Indiana-Starke
US/Michigan
US/Mountain
US/Pacific
US/Samoa
America/Puerto_Rico
Canada/Atlantic
Canada/Central
Canada/East-Saskatchewan
Canada/Eastern
Canada/Mountain
Canada/Newfoundland
Canada/Pacific
Canada/Saskatchewan
Canada/Yukon

9.3 Tasks

Task ID	Description
0010	Medications-infusion
0011	Injection
0012	Catheter care
0013	Empty colostomy bag
0014	Skin Care/Protocol
0015	Monitor Skin Condition
0016	Apply hot application
0017	Therapeutic Support
0018	Tracheostomy care

Task ID	Description
0019	Wound care
0020	Assist Tube Feeding
0021	Assist with Ambulation/Mobility/Transfer
0022	Assist clean/dressing change
0023	Active Range Of Motion
0024	Apply cold application
0025	Urine test
0027	Oral Care
0028	Bathing
0031	Grooming
0032	Assist with Toileting
0034	Turning and Positioning
0035	Feeding
0036	Light housekeeping
0037	Meal Preparation
0038	Nail care
0039	Specimen Collection
0079	Make Bed
0085	Skin Care or Protocol with necrotic tissue
0086	Skin Care or Protocol infected and draining
0114	Toileting
0115	Incontinent Care
0116	Urinary drainage bag care
0117	Other Toileting / Elimination
0125	Patient refused Personal Care
0130	Passive and Active Range of Motion Exercises
0132	Bed rest maintained

Task ID	Description
0133	Assist with Ambulation
0136	Assist with Transfer
0139	Other Mobility
0140	Shave
0141	Hair Care
0143	Dress Complete / Assist / Partial Assist
0145	Bed bath
0146	Tub bath
0147	Shower
0148	Sponge
0149	Shampoo
0150	Other Personal Care
0153	O2 Precautions Followed
0163	Emergency Call Systems checked - Ensure plugged in and client wearing
0164	Vital sign: Temp
0165	Vital Sign: B/P
0166	Vital Sign: Pulse
0167	Vital Sign: Respiration
0168	Vital Sign: Weight
0186	Change Linens

9.5 Exceptions

When visits are sent to Sandata via the Alt-EVV API, the Sandata system will calculate “exceptions” based on the incoming data. Business rules are applied to the visit based on the configuration details for a particular customer. These rules may trigger visits to be flagged with exceptions, denoting business rules that are not being met. Visits with exceptions may not be deemed “Approved” or “Verified”, and thus may be excluded from additional processing, such as claims validation or data exports.

Users of the Alt-EVV API have the opportunity to “Acknowledge” the exceptions. This tells the Sandata system that the visit is complete despite the presence of exceptions. Thus, the visit can be treated as “Approved” or “Verified”, so long as all calculated exceptions are marked as “Acknowledged”.

Exception Code	Exception Name	Description
0	Unknown Clients	Exception for a visit that was performed for a client that is not yet entered or not found in the EVV system.
1	Unknown Employees	(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).
3	Visits Without In-Calls	Exception thrown when a visit is recorded without an "in" call that began the visit.
4	Visits Without Out Calls	Exception thrown when a visit is recorded without an "out" call that completed the visit.
23	Missing Service	Exception when the service provided during a visit is not recorded or present in the system.
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 provided for.
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.
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.

9.6 Reason Codes

Reason Code ID	Description	Note Required?
01	Client Cancel	No
02	Staff Cancel	No
03	Scheduling Error	No
04	Removed from home by family	No
05	Patient expired	No
06	Frequency orders changed	No
07	Patient in hospital	No
08	MD appt - not home	No
09	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
40	Patient/caregiver refused	No
50	Other	Yes

9.7 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

9.8 Terminology

Sandata Terminology	Other Possible References
Agency	Agency Provider Provider Account Billing Agency
Authorization	Service Plan Prior Auth
Client	Individual Patient Member Recipient Beneficiary
Contract	Program Program Code
Employee	Caregiver Admin Home Health Aide Consumer Directed Worker Staff Worker Individual Provider Scheduler
HCPCS	Bill Code Procedure Code Service Code
Payer	Admission Insurance Company Contract Managed Care Organization (MCO) State
Provider	Agency Third Party Administrator (TPA)

