

North Dakota DHS HHCS AltEVV Specification – Addendum v2.1

Sandata Technologies, LLC
220 Duffy Ave. Unit 266A
Hicksville NY 11801

Version History

Version	Name	Title	Changes	Date
V1.0	Clella Newcomb	Technical Account Manager	Initial Draft	04.05.2021
V1.1	Clella Newcomb	Technical Account Manager	Update Resolution Code expected value to WDM	04.13.2021
V1.2	Clella Newcomb	Technical Account Manager	Correct client qualifier, client identifier, and employee qualifier. Remove quotes for clarity and add modifiers for service code change support	05.07.2021
V1.3	Clella Newcomb	Technical Account Manager	Remove requirement for Employee SSN and mark as DO NOT PROVIDE	07.07.2021
V1.4	Clella Newcomb	Technical Account Manager	Corrected typo on length of Employee field (9 characters)	07.09.2021
V1.5	Clella Newcomb	Technical Account Manager	Visit Acknowledgment set to DO NOT PROVIDE and update description for ResolutionCode	10.06.2021
V1.6	Clella Newcomb	Technical Account Manager	Update/clarify descriptions for Call elements related to exceptions. Clarify VisitExceptionAcknowledgment description.	07.28.2022
V1.6	Michael Buerger	Technical Account Manager	Update Visit General data transmission description	10.18.2022
V2.0	Michael Buerger	Technical Account Manager	Updated Appendices to include new payer/program service codes/modifiers for HHCS and PCS Updated formatting of document and description information for ease of use	2.23.2023
V2.1	Alyssa Fong	Technical Account Manager	Updated Visit General Information to provide clarification on overnight visits. Update to file name, cover page, version history, and footer. ZD # 518710.	10.25.2023

This document and the information contained herein are confidential to and the property of Sandata Technologies, LLC. Unauthorized access, copying and replication are prohibited. This document must not be copied in whole or part by any means, without the written authorization of Sandata Technologies, LLC. This document should be used only for the intended purpose.

Contents

- 1 EVV Vendor Interface Transmission Guidelines 5
- 2 Overview 6
- 2.1 Intended Audience 6
- 2.2 Transmission Frequency 6
- 2.3 Data Type Format Details 7
- 3 Rules 10
- 4 ND-DHS Specific Requirements..... 13
- 5 EVV- Element- Activity 13
- 6 Client Data Endpoint..... 13
- 7 Appendices..... 31
- 7.1 Payers & Programs 31
- 7.1.1 HCPCS Procedure Codes..... 31

7.2 Reason Codes33

7.3 Exceptions.....34

7.4 Acronyms & Definitions34

7.5 Terminology.....35

7.6 Field Level Errors36

7.7 Time Zone List.....36

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

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

2 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.

2.1 Intended Audience

The intended audience of this document is:

Project Management and Technical teams at Sandata.

Project Management and Technical teams at a 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 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	<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> <p>If time is not material, it will be provided as is expected.</p>	2016-12-20T16:10:28Z
Date (Only Date)	<p>The data 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: https://www.iana.org/time-zones 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 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 employee 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.

4 ND-DHS Specific Requirements

This interface, for ND-DHS, is intended for Third-Party EVV Vendors to provide completed visits on at least a daily basis to the Sandata Aggregator. 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 ND-DHS edit rules on receipt. Note that the expectation is that all visit changes will be supplied along with the final completed visit.

5 EVV- Element- Activity

The following element includes the schedule information for the client. This includes both the client and employee information. Both client and employee must exist in the system for a schedule 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.

6 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 be rejected due to "Client not found".

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
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.						
1	ProviderQualifier	Identifier being sent as the unique identifier for the provider. Values: SandataID, NPI, API, MedicaidID, TaxID, Taxonomy, Legacy, Other.	20	String	Yes	String Match = "MedicaidID"

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
2	ProviderID	Unique identifier for the agency.	50	String	Yes	7 min and max length All Numeric (#####)
Client General Information: 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	DO NOT PROVIDE	Sandata will assign this value; NULL
2	ClientFirstName	Client's First Name.	30	String	Yes	Client first name Characters allowed: A-Z ' . – space
3	ClientMiddleInitial	Client's Middle Initial	1	String	Optional	Client middle initial Characters allowed: A-Z ' . – space
4	ClientLastName	Client's Last Name.	30	String	Yes	Client last name Characters allowed: A-Z ' . – space
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	String Match = "ClientMedicaidID"

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
6	ClientMedicaidID	Unique ID provided by the State Medicaid program to the client.	64	String	Yes	Format: ND##### 9 min and max length All values start with ND followed by 7 numbers This will be the same value provided in ClientIdentifier
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	Format: ND##### 9 min and max length All values start with ND followed by 7 numbers This will be the same value provided in ClientMedicaidID
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	NULL is valid value
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	24	String	DO NOT PROVIDE	NULL

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		provided if billing is in scope. May be equal to another ID provided.				
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	DO NOT PROVIDE	NULL
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	NULL
13	ClientTimezone	Client's primary time zone. Depending on the program, this value may	64	String	Yes	String match = US/Central

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		be defaulted or automatically calculated. Please see the appendix for acceptable values.				
14	Coordinator	The staff member assigned to the client in a specific agency as the coordinator (supervisor) for an employee.	3	String	Optional	NULL is valid value
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	NULL is valid value
Client Payer Information: 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). DO NOT PROVIDE.						
1	PayerID	Sandata EVV assigned ID for the payer.	64	String	DO NOT PROVIDE	DO NOT PROVIDE
2	PayerProgram	If applicable, the program to which this visit belongs.	9	String	DO NOT PROVIDE	DO NOT PROVIDE
3	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	5	String	DO NOT PROVIDE	DO NOT PROVIDE
4	ClientPayerID	Unique identifier sent by the payer.	20	String	DO NOT PROVIDE	DO NOT PROVIDE

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
5	ClientEligibilityDateBegin	Client eligibility begin date. This field is optional if ClientStatus is sent.	10	Date	DO NOT PROVIDE	DO NOT PROVIDE
6	ClientEligibilityDateEnd	Client eligibility end date. This field is optional if ClientStatus is sent.	10	Date	DO NOT PROVIDE	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	DO NOT PROVIDE	DO NOT PROVIDE
8	EffectiveStartDate	The effective start date for the client payer information.	10	Date	DO NOT PROVIDE	DO NOT PROVIDE
9	EffectiveEndDate	The effective end date for the client payer information.	10	Date	DO NOT PROVIDE	DO NOT PROVIDE
Client Address: At least one record for each client is required. 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	12	String	Yes	String Match = "Home" "Business" "Other"

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		same type of address can be provided.				
2	ClientAddressIsPrimary	One address must be designated as primary.	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	Client street address Characters allowed: Alphanumeric _ . ' - # , / space
4	ClientAddressLine2	Street address line 2 associated with this address.	30	String	Optional	Client street address line 2 Characters allowed: Alphanumeric _ . ' - # , / space
5	ClientCounty	County associated with this address	25	String	Optional	Client county Characters allowed: A-Z ' . – space
6	ClientCity	City associated with this address.	30	String	Yes	Client city Characters allowed: A-Z . – space
7	ClientState	State associated with this address. Two Character standard abbreviation.	2	String	Yes	Client State Abbreviation Maximum of 2 Characters allowed: A-Z
8	ClientZip	Zip Code associated with this address. Required	9	String	Yes	Format: ##### Validation: 9 digits only

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		for Billing. 9-digit primary address zip code. If additional 4 digits are not known, provide zeros (e.g. #####0000).				
9	ClientAddressLongitude	Calculated for each address.	20	Decimal	Optional	Client address longitude coordinates
10	ClientAddressLatitude	Calculated for each address.	19	Decimal	Optional	Client address latitude coordinates
Client Phone: Optional.						
1	ClientPhoneType	Client Phone. Note that multiple of the same type can be provided.	12	String	Optional	String Match = “Home” “Mobile” “Business” “Other”
2	ClientPhone	Client phone number.	10	String	Required	FORMAT: ##### Validation: 10 digits only
Employee General Information: Required						
1	EmployeeQualifier	Value being sent to uniquely identify the employee.	20	String	Yes	String Match = “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	9	String	Yes	Vendor specific employee identifier

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		provided and should be defined as the same value.				
4	SequenceID	The Third Party EVV visit sequence ID to which the change applied	16	Integer	Yes	If TIMESTAMP is used: YYYYMMDDHHMMSS Validation: digits only; no other characters
5	EmployeeSSN	Employee Social Security Number. Employee SSN may be required depending on the program rules.	9	String	DO NOT PROVIDE	NULL
6	EmployeeLastName	Employee's Last Name	30	String	Yes	Employee last name Characters allowed: A-Z ' . – space
7	EmployeeFirstName	Employee's First Name	30	String	Yes	Employee first name Characters allowed: A-Z ' . – space
8	EmployeeEmail	Employee's Email Address	64	String	Optional	Format: xxx@xxx.xxx Validation Rules: @ and extension (.xxx) are required to validate an address. If provided, this must be unique for each employee
9	EmployeeManagerEmail	Email of the employee's manager	64	String	Optional	Format: xxx@xxx.xxx Validation Rules: @ and extension (.xxx) are required to validate an address.

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
11	EmployeePosition	Valid values include: HHA, HCA, RN, LPN, PCA If multiple positions, send primary.	3	String	Optional	String Match = “HHA” “HCA” “RN” “LPN” “PCA”
12	EmployeeHireDate	Employee’s date of hire.	10	Date	Optional	Format: YYYY-MM-DD Validation: digits – characters only
13	EmployeeEndDate	Employee’s HR recorded end date.	10	Date	Optional	Format: YYYY-MM-DD Validation: digits – characters only
<p style="text-align: center;">Visit General Information: Required.</p> <p>Visit Data Transmissions must be submitted to correspond to each service claim submitted for adjudication to ensure proper validation. Two separate claims must be submitted for an overnight visit with the first visit ending at 11:59 p.m. and the second visit beginning at midnight. Visit data transmissions for each claim with correct “Time In” CallDateTime are expected for each claim to ensure 1:1 validation.</p>						
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 Validation: digits only; no other characters
3	EmployeeQualifier	Value being sent to uniquely identify the employee.	20	String	Yes	String Match = “EmployeeCustomID”
5	EmployeeIdentifier	Employee identifier identified by EmployeeQualifier. If employee information is received from the payer, this information will be used to link the received	9	String	Yes	Vendor specific employee identifier

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		Third Party EVV information with the payer information provided and should be defined as the same value.				
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	String Match = "ClientMedicaidID"
8	ClientID	Identifier used in the client element.	64	String	Yes	Format: ND##### 9 min and max length All values start with ND followed by 7 numbers
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	String Match = "ND"
12	PayerProgram	The program associated to the visit.	9	String	Yes	String Match = "AS" "MSD" "DD" "MSDHH"
13	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	5	String	Yes	String Match = See Appendix 1 HCPCS column Validation: case sensitivity ALPHA characters must be capitalized

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
14	Modifier1	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed.	2	String	Optional	String Match = See Appendix 1 Modifier 1 column Validation: case sensitivity ALPHA characters must be capitalized; NULL is valid value
15	Modifier2	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed. It is required to apply modifier values in the order specifically listed in the appendix. It is required to apply modifier values in the order specifically listed in the appendix	2	String	Optional	NULL is valid value
16	Modifier3	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed. It is required to apply modifier values in the order specifically listed in the appendix. It is required to apply modifier values in the order specifically listed in the appendix	2	String	Optional	NULL is valid value
17	Modifier4	Modifier for the HCPCS code for the 837. Up to 4 of these are allowed. It is required to apply modifier values in the	2	String	Optional	NULL is valid value

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		order specifically listed in the appendix. It is required to apply modifier values in the order specifically listed in the appendix				
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	String Match = US/Central
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 recorded 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	20	DateTime	Optional	FORMAT: YYYY-MM-DDTHH:MM:SSZ Validation: digits : – characters only

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		is adjusted the system will update the adjusted time In and out for that record.				
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 recorded 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 Validation: digits : – characters only
25	BillVisit	True/False. If the visit is going to be billed, should be sent as Y. Otherwise N.	5	String	Yes	True False

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
Calls: If calls are not provided, adjusted times must be included in the parent visit element along with a change record. Calls include any type of clock in or clock out depending on system capabilities.						
1	CallExternalID	Call identifier in the external system	16	String	Yes	Call ID from Vendor
2	CallDateTime	Event date time. Must be at least to the second.	20	Date Time	Yes	FORMAT: YYYY-MM-DDTHH:MM:SSZ Validation: digits : – characters only
3	CallAssignment	Description of the call for EVV purposes.	10	String	Yes	String Match = “Time In” “Time Out” “Other”
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	String Match = “Telephony” “Mobile” “FVV” “Manual” “Other”
6	ProcedureCode	This is the billable procedure code which would be mapped to the associated service.	5	String	Optional	String Match = See Appendix 1 HCPCS column Validation: case sensitivity ALPHA characters must be capitalized
7	ClientIdentifierOnCall	The client identifier entered on the call.	10	String	Yes	Client identifier from call
8	MobileLogin	Login used if a mobile application is in use for GPS calls. Required if CallType = Mobile.	64	String	Conditional	Mobile login
9	CallLatitude	GPS latitude recorded during event. Latitude has a range of -90 to 90 with a 15 digit precision.	19	Decimal	Conditional	Call latitude coordinates

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		Required for CallType = 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.	20	Decimal	Conditional	Call longitude coordinates
11	Location	Specific values to be provided based on the program.	25	String	Optional	Location Validation: Characters allowed: Alphanumeric _ . ' - # , / space
12	TelephonyPIN	PIN for telephony. Identification for the employee using telephony. Required if CallType = Telephony.	9	String	Conditional	Telephony pin
13	OriginatingPhoneNumber	Originating phone number for telephony. Required if CallType = Telephony.	10	String	Conditional	FORMAT: ##### Validation: digits only; no other characters
Visit Exception Acknowledgement: Exceptions for this program are fixable and do not require acknowledgement. DO NOT PROVIDE						
1	ExceptionID	ID for the exception being acknowledged. Exact values for exceptions implemented are based on program rules.	2	String	DO NOT PROVIDE	NULL

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
2	ExceptionAcknowledged	True/False	5	String	DO NOT PROVIDE	NULL
Visit Changes: This is a CONDITIONAL segment. If there are any updates to records 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 Validation: digits 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.	64	String	Yes	Identifier for the change originator
3	ChangeDateTime	Date and time when change is made. At least to the second.	20	Date Time	Yes	FORMAT: YYYY-MM-DDTHH:MM:SSZ Validation: digits : – characters only
5	ReasonCode	Reason Code associated with the change.	4	String	Optional	String Match = See Appendix 4 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	256	String	Conditional	Format: Memo text See Appendix 4 NoteRequired? Column Validation: Characters allowed: Alphanumeric _ . ' - # , / space

Index	Element [Column Name]	Description	Max Length	Type	Required?	Expected Value(s) Format / Validation Rules
		required and one is not provided, this visit modification would be rejected.				
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 WDM is the only resolution code available for use.	4	String	Conditional	String Match = “WDM” for Written Documentation Maintained

7 Appendices

7.1 Payers & Programs

PayerID	Program/Waiver Name	Program ID	Program Description
ND	Aging Services	AS	Medicaid State Plan Personal Care HCBS Medicaid waiver Technology Dependent Medicaid waiver National Family Caregiver Support Program Service Payments for Elderly & Disabled (SPED) Expanded-Service Payments for Elderly and Disabled (Ex-SPED)
ND	Medical Services Division	MSD	Medically Fragile Children’s waiver Children’s Hospice waiver Medicaid funded Home Health Services - requiring home visit Autism Spectrum Disorder Birth through Age 14 waiver
ND	Development Disabilities Division	DD	Traditional IID/DD HCBS waiver
ND	Medical Services Division Home Health	MSDHH	Medical Services Division Home Health

7.1.1 HCPCS Procedure Codes

Payers, Program, Services, & Modifiers: Payer = ND

Payer	Program	HCPCS Code	Modifier 1	Modifier 2	Modifier 3	Modifier 4	Description
ND	AS	S5108					Nurse Education
ND	AS	S5115					Extended Personal Care
ND	AS	S5115	TD				Extended Personal Care - Nurse

ND	AS	S5120					Chore Labor
ND	AS	S5120	XP				Chore Labor
ND	AS	S5130					Homemaker Services Aging
ND	AS	S5130	XP				Homemaker Services Aging
ND	AS	S5135					Supervision
ND	AS	S5135	TF				Companionship Services
ND	AS	S5135	XP				Supervision
ND	AS	S5150					Respite Aging
ND	AS	S5150	XP				Respite Aging
ND	AS	T1019					Personal Care - Unit
ND	AS	T1019	XP				Personal Care - Unit
ND	AS	T1020					Personal Care - Daily
ND	AS	T2001					Non-medical Transportation
ND	AS	T2001	UC				Non-medical Transportation - escort
ND	AS	T2021					Transitional Living
ND	DD	G0300					Extended Home Health Care - Skilled Nursing - LPN
ND	DD	S5125					In Home Support (provider managed)
ND	DD	S5125	XP				In Home Support (provider managed)
ND	DD	S5126					In Home Support - Self Directed DD
ND	DD	S5130					Homemaker Services DD
ND	DD	S5130	XP				Homemaker Services DD
ND	DD	T2017					Independent Habilitation
ND	MSD	G0156					Children’s Hospice Respite
ND	MSD	S5126					In Home Support- Self Directed CMF
ND	MSD	S5150					Respite Agency
ND	MSD	T2027					Respite
ND	MSD	G0299					Hospice RN
ND	MSD	G9054					Palliative Care
ND	MSD	Q5001					Hospice
ND	MSD	G0300					Hospice LPN
ND	MSD	G9012					SMOKING CESSATION COUNSELING DEMONSTRATION PROJECT.
ND	MSDHH	G0151					Physical Therapy
ND	MSDHH	G0152					Occupational Therapy
ND	MSDHH	G0153					Speech Therapy
ND	MSDHH	G0299					Skilled Nursing (RN)
ND	MSDHH	G0300					Skilled Nursing (LPN)
ND	MSDHH	G0156					Home Health Aide
ND	MSDHH	G0157					Physical Therapy PTA
ND	MSDHH	G0158					Occupational Therapy OTA

ND	MSDHH	G0159					Physical Therapy Maintenance
ND	MSDHH	G0160					Occupational therapy maintenance program
ND	MSDHH	G0161					Speech Therapy maintenance program

7.2 Reason Codes

Reason Code	Description	Memo Required
100	Member No Show	YES
110	Member Unavailable	YES
120	Member Refused Verification	YES
130	Member Refused Service	YES
140	Member Incapable, Designee Unavailable	No
150	Caregiver Failed to Call In - Verified Services Were Delivered	No
160	Caregiver Failed to Call Out - Verified Services Were Delivered	No
170	Caregiver Failed to Call In and Out - Verified Services Were Delivered	No
180	Caregiver Called Using an Alternate Phone	YES
190	Caregiver Change	No
200	Mobile App Issue/Inoperable	No
210	Telephony Issue/Inoperable	No
220	FVV Issue/Inoperable	No
230	Service Outside the Home	YES
240	Unsafe Environment	YES
999	Other	Yes

7.3 Exceptions

Exception Code	Acknowledge/Fix	Exception Name	Description
00	Fix	Unknown Clients	Exception for a visit that was performed for a client that is not yet entered or not found in the EVV system.
01	Fix	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).
02	Fix	Visits Without Any Calls	Exception thrown when a visit is recorded without an "in" and without an “out” call that began the visit.
03	Fix	Visits Without In-Calls	Exception thrown when a visit is recorded without an "in" call that began the visit.
04	Fix	Visits Without Out Calls	Exception thrown when a visit is recorded without an "out" call that completed the visit.
23	Fix	Missing Service	Exception when the service provided during a visit is not recorded or present in the system.

7.4 Acronyms & Definitions

Abbreviation	Name
ANI	Also Known As
API	Application Programming Interface

GMT	Greenwich Mean Time
HTTP	Hyper Text Transfer Protocol
TBD	To Be Determined
UTC	Universal Time Coordinated

7.5 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
HCPCS	Healthcare Common Procedure Coding System
Payer	Admission Insurance Company Contract Managed Care Organization (MCO) State
Provider	Agency Third-Party Administrator (TPA)

7.6 Field Level Errors

Section	Field Name	Description
Client General	ClientFirstName	Only the following special character will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Client General	ClientLastName	Only the following special character will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Client General	ClientQualifier	The value is the actual string value "ClientQualifier" and is required to be mixed case.
Employee General	EmployeeLastName	Only the following special character will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Employee General	EmployeeFirstName	Only the following special character will be accepted: Alpha Letters Hyphens Periods Apostrophe All other special characters will be rejected.
Employee General	EmployeeQualifier	The value is the actual string value "EmployeeQualifier" and is required to be mixed case.

7.7 Time Zone List

This is the common list of time zone we used. If your area is not covered by this list, please contact Sandata support to get additional time zone value that we accept. Please note that the value sent must exactly match the value and case shown.

Time Zone Code
US/Alaska
US/Aleutian
US/Arizona

US/Central
US/East-Indiana
US/Eastern
US/Hawaii
US/Indiana-Starke
US/Michigan
US/Mountain
US/Pacific
US/Samoa
America/Indiana/Indianapolis
America/Indiana/Knox
America/Indiana/Marengo
America/Indiana/Petersburg
America/Indiana/Vevay
America/Indiana/Vincennes
America/Puerto_Rico
Canada/Atlantic
Canada/Central
Canada/East-Saskatchewan
Canada/Eastern
Canada/Mountain
Canada/Newfoundland
Canada/Pacific
Canada/Saskatchewan
Canada/Yukon