HL7 Options for RSR Fields

Reference guide

CAREWare HL7 interface	Instructions for setting up and configuring the interface
Ryan White Services Report (RSR)	Instructions for generating the RSR XML file required for reporting to HRSA.

Purpose

Identify which RSR data elements can be populated through CAREWare HL7 imports, which HL7 segments are used, and which fields require custom mapping or another data source.

Import status definitions

- Yes — The interface imports the information needed for the RSR field.
- No, but available — A potential HL7 source exists, but the interface does not currently import it.
- No — No suitable HL7 source was identified; some fields may require interface revisions.
- Custom — Data may be imported through the HL7 ADT interface when configured in specific segments.

RSR field and HL7 segment reference

Reference ID	RSR Field	Import Status	Segment	Notes
2	VitalStatusID	Custom		Currently there are no HL7 fields that hold this. Can use PID 30 (Patient Death Indicator) and PID 29 (Patient Death Date/ Time). CAREWare can set the vital status of the patient to deceased if there's a death date.
4	BirthYear	Yes	PID-7	
5	EthnicityID	Yes	PID-22	
68	ClientReportHispanic Subgroup/ SubgroupID	Yes	PID-22	
6	RaceID	Yes	PID-10	
69	ClientReportAsian Subgroup/ SubgroupID	Yes	PID-10	
70	ClientReportNhpi Subgroup/ SubgroupID	Yes	PID-10	
71	SexAtBirthID	Yes	PID-8	
9	PovertyLevelPercent	Yes	GT1	GT1 segment holds Guarantor Household Annual Income (GT1 27) and Guarantor Household Size (GT1 28) used to calculate the povertylevelpercentage
10	HousingStatusID	Yes	OBX/GT1	Can import as part of lab import system (OBX) or through GT1-38 segment

Reference ID	RSR Field	Import Status	Segment	Notes
				as part of annual screening import
11	HousingStatus CollectedDate	Yes	OBX/GT1	
12	HIVAIDSStatusID	Custom		It can be defined in the OM1 Segment position 30 that holds the confidentiality code. Currently there are no HL7 fields that hold this.
14	ClientReport HivRiskFactor/ HIVRiskFactorID	Custom		Imported as part of ADT demographic update. User needs to specify the HL7 field that contains the information
15	ClientReport HealthCoverage/ MedicalInsuranceID	Yes	IN1	
72	HIVDiagnosisYear	Custom		Included based on HIVAIDSStatusID field
16-45	Core/Support Services	Yes		Services can be imported as completed appointments
47	FirstAmbulatoryCareDate	Yes		Calculated by CW internally.
48	ClientReport Ambulatory Service/ ServiceDate	Yes		Ambulatory Service can be imported as completed appointments when none exist prior. They can also be imported when the HL7 ORU type messages contain service code and values in OBX 3.1 and OBX 5 segments
49	ClientReport CD4Count	Yes	OBX	Imported with Lab feed
50	ClientReport ViralLoadTest	Yes	OBX	Imported with Lab feed
52	PrescribedArtID	Yes	RXE	As part of importing medication records from the RXE segments
55	ScreenedSyphillisID	Yes	OBX	Imported with Lab feed
64	PregnantID	No		Pregnancy information is not imported
73	HIVPosTestDate	No		Included based on HIVAIDSStatusID field
74	OAHSLinkDate	No		Ambulatory Service can be imported as completed appointments when none exist prior. They can also be imported when the HL7 ORU type messages contain service code and values in OBX 3.1 and OBX 5 segments
76	NewClient	Yes		ADT feed imports it but there is no direct field in the HL7 format
77	ReceivedService PreviousYear	No		Services can be imported as completed appointments

Important notes

- Ryan White eligibility is required for RSR service reporting and cannot be imported through HL7. Verify eligibility separately before generating the RSR.
- Annual Review imports currently cover Primary Health Care and Housing Arrangement; other screenings may be imported as ordinary screenings through an ORU feed.
- For Custom fields, confirm the sending system, segment placement, coding, and mapping with the interface administrator before relying on the values.
- Review client matching, provider mapping, lab test mappings, and imported dates; an HL7 import marked Yes does not by itself guarantee a complete or valid RSR.
- Run RSR Client Validation and the RSR Validation Report after imports, and resolve errors before submission.

Related CAREWare guides and references

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Guide Name	Description
HL7 Lab Import Specification	Specifications for importing laboratory data into CAREWare via HL7 feeds.
HL7 Socket Installation	Guide to installing and configuring the HL7 socket interface for CAREWare.
Import Settings	Instructions for setting up and configuring data import settings in CAREWare.
Importing Data into CAREWare	General workflow and guidelines for importing data into CAREWare.
RSR	Information on generating and managing the Ryan White Services Report (RSR).
RSR Documents	Documentation and reference materials for RSR setup and validation.