

API Server Configuration

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Global Settings

The following global settings are related to running an [API Server](#).

Global Setting Name	Description
API Producer Host	Host or IP address of the CareRight API server. If the web and api server are on the same machine, use localhost . This is only required if any Data Producers are configured.
API Professional Contact Identifier	Field from the professional contact record to insert or match professional contacts in API messages. Defaults to Medicare Provider Number .
API Provider Identifier	Field from the provider record to insert or match providers in API messages. Defaults to Medicare Provider Number .
Enable API Patient Data Consumer Mode	If true, enables the patient data consumer, allowing messages from an external system to create and update patient records. If enabled, users cannot edit patient fields which are updated by the API, unless they have the role " <i>Can modify patient information while Patient API is active</i> ".

Data Producers

Data producers define external MLLP servers which can receive HL7 messages triggered by events in CareRight.

An API Server must be configured; then navigate to: Administration > Workflow > Data Producers

You can create multiple producers of the same type; this means the event will generate identical outgoing HL7 messages sent to different MLLP receivers.

Field	Description	Example
Producer	Name of the type of producer; they are documented at API Server	Patient Demographics
Enabled	If ticked, producer is active and matching events will trigger a message	
Destination Host	The hostname or IP address of the external MLLP server which should receive these messages.	10.0.0.1
Destination Port	The TCP port number of the external MLLP server which should receive these messages	2575

Update of Patient Info via API (v6.66 Enhancement)

Functionality

CareRight can now connect & transmit A08 messages to a single HL7 MLLP server when there is a change in a patient record.

Message are sent when a change occurs. If there is no active connection to the server at the time the change occurs, then the message is not stored for later transmission. To send the change, the patient record needs to be edited again in CareRight to trigger the message.

The API Server will record the ACK and NAK messages from the server, but these will not be monitored in the CareRight UI or be acted upon. If the server is unable to process messages, then ICON will be notified by the server software and will subsequently contact Clintel Systems regarding the failed transmissions for investigation.

What is in the Message?

The A08 message contains both the Patient's MRN and CRN (if supplied). The identifier used when populating HL7 messages is configured in the **API Provider Identifier** field in **Administration → Global Settings**:

API Provider Identifier	Medicare Provider Number	Change
Application Title	CareRight Provider ID	
Appointment	Medicare Provider Number	
Appointment Email Cancelled Subject	AHPRA Medical Board Registration Number	
	New Zealand Medical Council (NZMC) ID	
	EDI	

If a provider does not have a value recorded for the selected type, then no number will be sent.

Messaging Configuration

CareRight will push messages to a host and port defined in CareRight's administration config and will expect acknowledgements as responses to the originating message using the HL7 MLLP specification.

1. To define the host and port, navigate to **Administration → Workflow → Data Producers** and select **Edit** for the **Patient Demographics** field.
2. In the **Destination Host** and **Destination Port** fields, complete the required values as needed.
3. When done, select **Update Data producer**.

➤ Data producers

New

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Use this page to configure external systems which will receive HL7 MLLP pushes based on events in CareRight.

Data Producers

Producer	Enabled	Destination Host	Destination Port		
Appointments	•	203.26.87.95	6662	Edit	Delete
Patient Demographics	•	203.26.87.95	6662	Edit	Delete

Data producer

Producer* Patient Demographics ▼

☒ Enabled

Destination Host* 203.26.87.95

Destination Port* 6662

Update Data producer

Cancel