

# Dentrix Enterprise HL7 Interface Mapping

Version: 11.1

Created: 04/20/2004

Last Updated: 10/10/2023

## I. Supported Mapping Types

The Dentrix Enterprise HL7 interface supports the following four mapping types:

- Inbound
- Outbound
- Inbound/Outbound
- File Outbound

**Note:** Inbound/Outbound will override any individual inbound or outbound mapping items.

## II. Maximum Mapping Items per Mapping Category

The maximum number of items that can be mapped in each mapping category is as follows:

1. Billing Type – 100
2. Financial Class – 200
3. Patient External ID – TBD
4. Guarantor External ID – TBD
5. Insurance External ID – TBD
6. Employer External ID – TBD
7. Race Description – 200
8. Charge Type - Debit – For File Outbound
9. Charge Type - Credit – For File Outbound
10. Payment Type - Debit – For File Outbound
11. Payment Type - Credit – For File Outbound
12. Adjustment Type - Debit – For File Outbound
13. Adjustment Type - Credit – For File Outbound
14. Clinic ID – 200
15. Language – 200
16. Marital Status – 20

17. Insurance Defaults – 20
18. Religion Mapping – 200
19. Clinic to DFT code (ADA, code 3, code 4) – 200
20. Provider External ID Mapping – 500
21. Operatory External ID Mapping – 500
22. Social Security Number – 20
23. Facility Code from Clinic – 100
24. Blood Type – 10
25. Insurance Type to DN or MD – 50
26. Insured Relationship – 20
27. Patient Filters – 200
28. Inbound ADT Mapping – 20
29. Inbound Provider Specialty Mapping – 10
30. Mapping from provider ID to operatory ID – 100
31. Mapping from insurance plan ID to fee schedule ID – 500
32. Mapping from pat class to fee schedule ID – 100
33. Mapping for appt type – 50
34. Mapping for appt status – 50
35. Mapping from pat financial class to poverty level – 100
36. Patient poverty level – 100
37. Patient's work status – 100
38. Patient's homeless status – 100
39. Guarantor relationship – 100
40. Appointment trigger event – 10
41. Appointment status to trigger event – 10
42. Allergy Info – 255
43. Veteran – 100
44. ADT Segment Label – 100
45. Patient Class – 100
46. Appt Filler Status – 100
47. DFT Trans Type – 200
48. DFT Trans Type to Trans Code – 200
49. DFT Trans Amount – 20
50. Operator ID – 200
51. Contact Role – 10
52. ADA Code to Tooth Number – 100
53. Dept Code – 100
54. Clinic ID to Dept Code – 100
55. Prov Ext ID and Names – 500
56. SIU Segment Label – 30
57. MDM OBX5 Text Char – 30

- 58. Ethnicity – 254
- 59. User Defined Patient Category – 254
- 60. SIU Prov. Type in AIP – 500
- 61. SIU Location Type in AIL – 500
- 62. SIU RSC Group Type in AIG – 500
- 63. SIU Event Reason (SCH-6) – 50
- 64. SIU Appt Reason (SCH-7) – 1000
- 65. Doc Completion Status (TXA-3) – 30
- 66. MDM Trigger Event – 10
- 67. SIU ZAD Field #1 – 10
- 68. SIU ZAD Field #2 – 10
- 69. SIU OP ID to Prov ID and Name (extra AIP) – 500
- 70. Cavity Code mapping – 50
- 71. Specimen Source (OBR-15) – 500
- 72. Observation Code (OBX-3(1)) – 500
- 73. Observation Code System (OBX-3(3)) – 100
- 74. Prescription Order Status (ORC-5) – 30
- 75. Diagnostic Code Type – 10
- 76. Observation Code (OBX-3(2)) – 100
- 77. Relationship Reverse (IN2-72)
- 78. Category Code (OBR-4 in ORM)
- 79. Order Type (OBR-24 in ORM)

### III. Mapping Fields

Mapping Category	Local Internal ID	Local Internal DB	Local External ID	Remote External ID
1. Billing Type	Yes	No (Assumed to be 2)	No	Yes
2. Financial Class	Not used	Not used	Not used	IN1-15*
3. Patient External ID	Not used	Not used	PatExtID	PID-2 or 3*
4. Guarantor External ID	Not used	Not used	GuarantorExt ID	GT1-2*
5. Insurance External ID	Not used	Not used	InsPlanExtID	In1-2*
6. Employer External ID	Not used	Not used	EmpExtID	?
7. Race Description	Yes	2	No	Yes
8. Charge Type - Debit	Yes	2	No	Yes
9. Charge Type - Credit	Yes	2	No	Yes
10. Payment Type - Debit	Yes	2	No	Yes
11. Payment Type - Credit	Yes	2	No	Yes
12. Adjustment Type - Debit	Yes	2	No	Yes
13. Adjustment Type - Credit	Yes	2	No	Yes

Mapping Category	Local Internal ID	Local Internal DB	Local External ID	Remote External ID
14. Clinic ID	No	No	RSCID	Yes
15. Language	Yes	2	No	Yes
16. Marital Status	Yes	2	No	Yes
17. Insurance Defaults				
17a. Max Insurance coverage per person	1000	2	Amount	No
17b. Insurance policy renewal month	1001	2	Month	No
17c. Insurance claim time limit	1002	2	Days	No
17d. Std Annual Insurance individual deductible	1003	2	Amount	No
17e. Preventive Annual Insurance individual deductible	1004	2	Amount	No
17f. Other Annual Insurance individual deductible	1005	2	Amount	No
17g. Std lifetime Insurance individual deductible	1006	2	Amount	No
17h. Preventive lifetime Insurance individual deductible	1007	2	Amount	No
17i. Other lifetime Insurance individual deductible	1008	2	Amount	No
17j. Std Annual Insurance 17k. family deductible	1009	2	Amount	No
17l. Preventive Annual Insurance family deductible	1010	2	Amount	No
17m. Other Annual Insurance family deductible	1011	2	Amount	No
17n. Max family coverage	1012	2	Amount	No
18. Religion Mapping	Yes	2	No	Yes
19. Clinic to DFT code	Yes	2	No	Yes
20. Provider External ID Mapping	No	No	RscID	Yes
21. Operatory External ID Mapping	No	No	RscID	Yes
22. Social Security Number	No	No	Yes	Yes
23. Facility Code from Clinic	No	No	Yes	Yes
24. Blood Type	Yes	2	No	Yes
25. Ins Type to DN or MD	No	No	Yes	Yes
26. Insured Relationship	No	No	Yes	Yes
27. Patient Filter	No	No	No	Yes
28. Inbound ADT Mapping	No	No	Yes	Yes
29. Inbound Provider Specialty Mapping	No	No	Yes	Yes
30. Mapping from provider ID to operatory ID	No	No	Yes	Yes
31. Mapping from insurance plan ID to fee schedule id	No	No	Yes	Yes
32. Mapping from pat class to fee schedule id	No	No	Yes	Yes
33. appt type	No	No	Yes	Yes
34. appt status	No	No	Yes	Yes
35. Mapping from pat financial class to poverty level	No	No	Yes	Yes
36. Patient poverty level	No	No	Yes	Yes

Mapping Category	Local Internal ID	Local Internal DB	Local External ID	Remote External ID
37. Patient's work status	No	No	Yes	Yes
38. Patient's homeless status	No	No	Yes	Yes
39. Guarantor relationship	No	No	Yes	Yes
40. Appointment trigger event	No	No	Yes	Yes
41. Appointment status to trigger event	No	No	Yes	Yes
42. Allergy Info	Yes	Yes	No	Yes
43. Veteran	Yes	Yes	No	Yes
44. ADT Seg label	No	No	Yes	Yes
45. Patient Class	No	No	Yes	Yes
46. Appt Filler Status	No	No	Yes	Yes
47. DFT Trans Type	No	No	Yes	Yes
48. DFT Trans Type to DFT Trans Code	No	No	Yes	Yes
49. DFT Trans Amount	No	No	Yes	Yes
50. Operator ID	No	No	Yes	Yes
51. Contact Role	No	No	Yes	Yes
52. ADA Code to Tooth Number	No	No	Yes	Yes
53. Dept Code	No	No	Yes	Yes
54. Clinic ID to Dept Code	No	No	Yes	Yes
55. Prov ID and Names	No	No	Yes	Yes
56. SIU Segment Label	No	No	Yes	Yes
57. MDM OBX5 Text Char	No	No	Yes	Yes
58. Ethnicity	Yes	2	No	Yes
59. User Defined Patient Category	Yes	2	No	Yes
60. SIU Prov. Type in AIP (500)	No	No	Yes	Yes
61. SIU Location Type in AIL	No	No	Yes	Yes
62. SIU RSC Group Type in AIG (500)	No	No	Yes	Yes
63. Event Reason (SCH-6) (50)	No	No	Yes	Yes
64. SIU Appt Reason (SCH-7) (1000)	No	No	Yes	Yes
65. Doc Completion Status (TXA-3)	No	No	Yes	Yes
66. MDM Trigger Event	No	No	Yes	Yes
67. SIU ZAD Field #1	No	No	Yes	Yes
68. SIU ZAD Field #2	No	No	Yes	Yes
69. SIU OP ID to Prov ID and Name (extra AIP)	No	No	Yes	Yes
70. Cavity Code	No	No	Yes	Yes
71. Specimen Source (OBR-15)	No	No	Yes	Yes
72. Observation Code (OBX-3(1))	No	No	Yes	Yes

Mapping Category	Local Internal ID	Local Internal DB	Local External ID	Remote External ID
73. Observation Code System (OBX- 3(3))	No	No	Yes	Yes
74. Diagnostic Code Type	No	No	Yes	Yes
75. Diagnostic Code Type	No	No	Yes	Yes
76. Observation Code Name (OBX-3(2))	No	No	Yes	Yes
77. Relationship Reverse (IN2-72)	No	No	Yes	Yes
78. Category Code (OBR-4)	No	No	Yes	Yes
79. Order Type (OBR-24)	No	No	Yes	Yes

\*: Static mapping used.

## IV. Special Instructions

### Gender mapping

Gender mapping is hard coded. This table contains the codes.

Gender ID	Displayed Desc	HL7 code
1	Male	M
2	Female	F
3	Other	O
4	Unknown	U

### 1. Mapping for billing type

This setting will only be effective when the "Init Billing Type" is set to "PV1 (18) Init Use Map" (for new patients) or "PV1 (18) Use Map All" (for all patients). The following setting will map the remote id "Class1" to the local id "Class 5" (billing type 5).

Edit Mapping Item
×

Internal ID: <input style="width: 50px;" type="text" value="5"/>	Internal DB: <input style="width: 50px;" type="text" value="2"/>
Local Ext ID: <input style="width: 150px;" type="text" value="Class 5"/>	Remote Ext ID: <input style="width: 150px;" type="text" value="Class1"/>
Local Ext ID1: <input style="width: 150px;" type="text"/>	Remote Ext ID1: <input style="width: 150px;" type="text"/>
Local Ext ID2: <input style="width: 150px;" type="text"/>	Remote Ext ID2: <input style="width: 150px;" type="text"/>
	Remote Ext ID3: <input style="width: 150px;" type="text"/>
Local Clinic ID (mapping is effective in): <input style="width: 150px;" type="text"/>	Remote Ext ID4: <input style="width: 150px;" type="text"/>

## 2. Mapping for insurance financial class

The following setting will map the remote id "FC321" to the local id "1."

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

## 3. Mapping for patient ext ID

The following setting will map the remote id "12345" to the local id "32145."

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

#### 4. Mapping for guarantor external ID

The following setting will map the remote guarantor ext id to the local guarantor id “123x2.”

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields and controls:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:
- Buttons: Save, Cancel

#### 5. Mapping for insurance plan ID

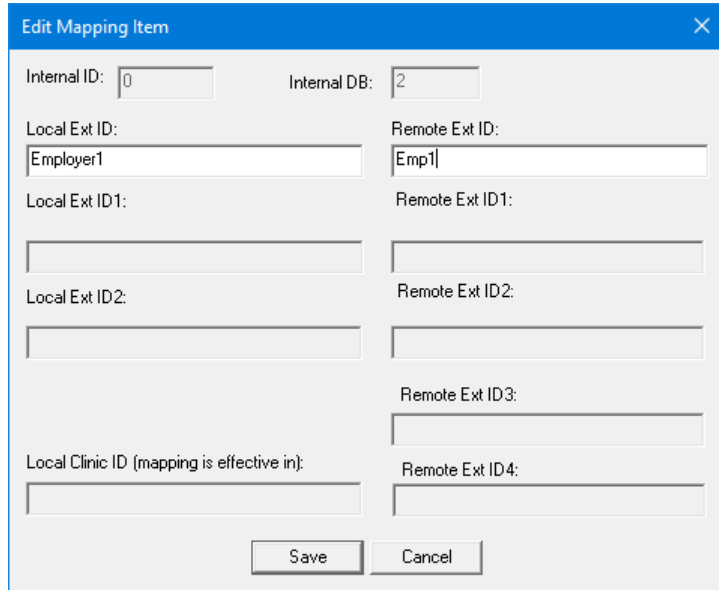
The following setting will map the remote id “Ins1” to the local id “Insurance1.”

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields and controls:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:
- Buttons: Save, Cancel

## 6. Mapping for employer ID

The following setting will map the remote employer id of “Emp1” to the local employer id “Employer1.”



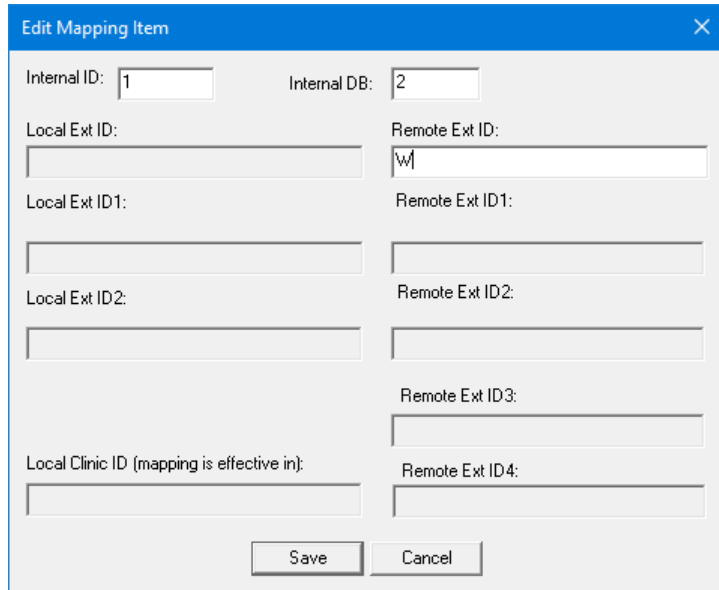
The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Internal ID:	0	Internal DB:	2
Local Ext ID:	Employer1	Remote Ext ID:	Emp1
Local Ext ID1:		Remote Ext ID1:	
Local Ext ID2:		Remote Ext ID2:	
Local Clinic ID (mapping is effective in):		Remote Ext ID3:	
		Remote Ext ID4:	

Buttons: Save, Cancel

## 7. Mapping for race

The following setting will map the remote race id “W” to the local definition type “1.”



The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Internal ID:	1	Internal DB:	2
Local Ext ID:		Remote Ext ID:	W
Local Ext ID1:		Remote Ext ID1:	
Local Ext ID2:		Remote Ext ID2:	
Local Clinic ID (mapping is effective in):		Remote Ext ID3:	
		Remote Ext ID4:	

Buttons: Save, Cancel

## 8. Mapping for charge type-debit

This mapping is for outbound files only.

## 9. Mapping for charge type-credit

This mapping is for outbound files only.

## 10. Mapping for payment type-debit

This mapping is for outbound files only.

### 11. Mapping for payment type-credit

This mapping is for outbound files only.

### 12. Mapping for adjustment type-debit

This mapping is for outbound files only.

### 13. Mapping for adjustment type-credit

This mapping is for outbound files only.

### 14. Mapping for Clinic ID

The following setting will map the remote clinic "Facility#1" to the local clinic "CLINIC#1" with internal ID "50" and DB "2."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 50
- Internal DB: 2
- Local Ext ID: CLINIC#1
- Remote Ext ID: Facility#1
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

### 15. Mapping for language

The following setting will map "Spanish" to the local definition "5."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 5
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID: Spanish
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

## 16. Internal ID and descriptions for marital status

MaritalStatusID	MaritalStatusDB	Displayed Desc	HL7 Code	Value without mapping
1	2	Single	S	
2	2	Married	M	
3	2	Child	CHD	
4	2	Other	O	
5	2	Widowed	W	
6	2	Divorced	D	
7	2	Separated	L	
8	2	Annulled	A	Other
9	2	Interlocutory Decree	I	Other
10	2	Domestic Partner	T	Other
11	2	Unknown	U	Other

The following setting will map the remote “S” (single) to the local definition “1.”

Edit Mapping Item
×

Internal ID: <input style="width: 50px;" type="text" value="1"/>	Internal DB: <input style="width: 50px;" type="text" value="2"/>
Local Ext ID: <input style="width: 100%;" type="text"/>	Remote Ext ID: <input style="width: 100%;" type="text" value="S"/>
Local Ext ID1: <input style="width: 100%;" type="text"/>	Remote Ext ID1: <input style="width: 100%;" type="text"/>
Local Ext ID2: <input style="width: 100%;" type="text"/>	Remote Ext ID2: <input style="width: 100%;" type="text"/>
	Remote Ext ID3: <input style="width: 100%;" type="text"/>
Local Clinic ID (mapping is effective in): <input style="width: 100%;" type="text"/>	Remote Ext ID4: <input style="width: 100%;" type="text"/>

## 17. Mapping for insurance defaults

17a. Max Insurance coverage per person	1000	2	Amount	No
17b. Insurance policy renewal month	1001	2	Month	No
17c. Insurance claim time limit	1002	2	Days	No
17d. Std Annual Insurance individual deductible	1003	2	Amount	No
17e. Preventive Annual Insurance individual deductible	1004	2	Amount	No
17f. Other Annual Insurance individual deductible	1005	2	Amount	No
17g. Std lifetime Insurance individual deductible	1006	2	Amount	No
17h. Preventive lifetime Insurance individual deductible	1007	2	Amount	No
17i. Other lifetime Insurance individual deductible	1008	2	Amount	No
17j. Std Annual Insurance 17k. family deductible	1009	2	Amount	No
17l. Preventive Annual Insurance family deductible	1010	2	Amount	No
17m. Other Annual Insurance family deductible	1011	2	Amount	No
17n. Max family coverage	1012	2	Amount	No

The following setting will set the max insurance coverage per person to be \$2500.

Edit Mapping Item
×

Internal ID: <input style="width: 80%;" type="text" value="1000"/>	Internal DB: <input style="width: 80%;" type="text" value="2"/>
Local Ext ID: <input style="width: 95%;" type="text" value="25000"/>	Remote Ext ID: <input style="width: 95%;" type="text"/>
Local Ext ID1: <input style="width: 95%;" type="text"/>	Remote Ext ID1: <input style="width: 95%;" type="text"/>
Local Ext ID2: <input style="width: 95%;" type="text"/>	Remote Ext ID2: <input style="width: 95%;" type="text"/>
Local Clinic ID (mapping is effective in): <input style="width: 95%;" type="text"/>	Remote Ext ID3: <input style="width: 95%;" type="text"/>
	Remote Ext ID4: <input style="width: 95%;" type="text"/>

The following setting will set the renewal month to July.

Internal ID:  Internal DB:

Local Ext ID:  Remote Ext ID:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

The following setting will set the maximum family coverage to be \$10,000.00.

Internal ID:  Internal DB:

Local Ext ID:  Remote Ext ID:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

## 18. Mapping for religion

The following setting will map “LUT” to the local definition “10.”

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 10
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID: LUT
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

## 19. Mapping from clinic ID to DFT transaction code

The following setting will map the clinic ID “CLINIC1” to “ADA Code”. Sends ADA code in DFT.

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: CLINIC1
- Remote Ext ID: ADA Code
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

The following setting will map “CLINIC2” to “Code 3.” Sends code in code 3 in DFT.

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields and values:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: CLINIC2
- Remote Ext ID: Code 3
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

At the bottom of the dialog are two buttons: "Save" and "Cancel".

## 20. Mapping for provider

The following setting will map “123451” to “JSMITH.”

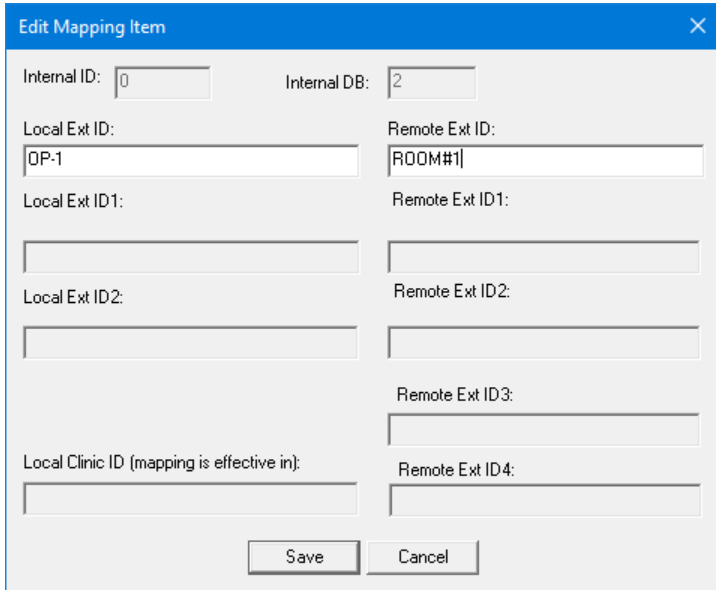
The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields and values:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: JSMITH
- Remote Ext ID: 123451
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

At the bottom of the dialog are two buttons: "Save" and "Cancel".

## 21. Mapping for operatory

The following setting will map "ROOM#1" to "OP-1."



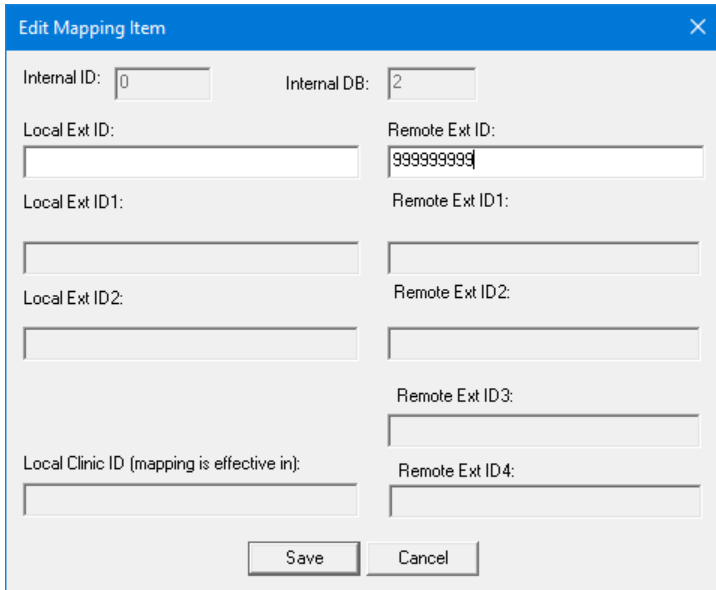
The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Field	Value
Internal ID	0
Internal DB	2
Local Ext ID	OP-1
Remote Ext ID	ROOM#1
Local Ext ID1	
Remote Ext ID1	
Local Ext ID2	
Remote Ext ID2	
Local Clinic ID (mapping is effective in)	
Remote Ext ID3	
Remote Ext ID4	

Buttons: Save, Cancel

## 22. Mapping for SSN

The following mapping will map the remote SSN "999999999" to blank.



The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Field	Value
Internal ID	0
Internal DB	2
Local Ext ID	
Remote Ext ID	999999999
Local Ext ID1	
Remote Ext ID1	
Local Ext ID2	
Remote Ext ID2	
Local Clinic ID (mapping is effective in)	
Remote Ext ID3	
Remote Ext ID4	

Buttons: Save, Cancel

### 23. Mapping for Clinic-facility code

This mapping is for the A08T message for IHS. It will populate the PV1-2(2): the facility text description. The following setting will map the local clinic ID to the remote facility description.

The 'Edit Mapping Item' dialog box is shown with the following fields and values:

Internal ID:	0	Internal DB:	2
Local Ext ID:	CENTRAL	Remote Ext ID:	123456
Local Ext ID1:		Remote Ext ID1:	FACILITY#1
Local Ext ID2:		Remote Ext ID2:	
Local Clinic ID (mapping is effective in):		Remote Ext ID3:	
		Remote Ext ID4:	

Buttons: Save, Cancel

### 24. Mapping for patient blood type

The following setting will map "TYPE\_O" to the local definition "1."

The 'Edit Mapping Item' dialog box is shown with the following fields and values:

Internal ID:	1	Internal DB:	2
Local Ext ID:		Remote Ext ID:	TYPE_O
Local Ext ID1:		Remote Ext ID1:	
Local Ext ID2:		Remote Ext ID2:	
Local Clinic ID (mapping is effective in):		Remote Ext ID3:	
		Remote Ext ID4:	

Buttons: Save, Cancel

## 25. Mapping for insurance type to "MD" (medical) or "DN" (dental)

For this mapping to be effective, the setting "Set all ins as" should be "IN1-15MAP." The following setting will map "Medicare" to "MD."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: MD
- Remote Ext ID: Medicare
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

This setting will map "Dental service" to "DN."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: DN
- Remote Ext ID: Dental service
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

## 26. Mapping for insured relationship

This setting will map the remote "02" to the local "SEL". Local relationship codes are "SEL," "SPO," "CHD," and "OTH."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Internal ID:	0	Internal DB:	2
Local Ext ID:	SEL	Remote Ext ID:	02
Local Ext ID1:		Remote Ext ID1:	
Local Ext ID2:		Remote Ext ID2:	
Local Clinic ID (mapping is effective in):		Remote Ext ID3:	
		Remote Ext ID4:	

Buttons: Save, Cancel

## 27. Patient filter

If the patient has a DX segment in an ADT message (PID-3, PID-3-4, PID-3-4M, PID-3-6, PID-3-6M, PID-3M, PV1-18, PV1- 18M, PV1-3, PV1-3-4, PV1-3-4M, PV1-3-9, PV1-3-9M, PV1-3M, PV2-2, or PV2-2M), the patient will be used. If not, the patient will be ignored.

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Internal ID:	0	Internal DB:	2
Local Ext ID:		Remote Ext ID:	DX
Local Ext ID1:		Remote Ext ID1:	
Local Ext ID2:		Remote Ext ID2:	
Local Clinic ID (mapping is effective in):		Remote Ext ID3:	
		Remote Ext ID4:	

Buttons: Save, Cancel

## 28. Mapping for ADT trigger event

This setting will map A34 to A18.

Internal ID:  Internal DB:

Local ADT Trigger Event:  Remote ADT Trigger Event:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

## 29. Mapping for provider specialty

This setting will map Dentist to specialty "1."

Internal ID:  Internal DB:

Local Ext ID:  Remote Ext ID:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

### 30. Mapping from provider ID to operator ID

This setting will map provider 1 to OP1, OP2, OP3 to look for an open slot for the appointment. It is applicable for clinic1. This mapping type is only effective if the AIL-3 is blank.

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local OP Ext ID (Primary):
- Local OP Ext ID1 (Secondary):
- Local OP Ext ID2 (Tertiary):
- Local Clinic ID (mapping is effective in):
- Local Prov Ext ID:
- Remote Ext ID1:
- Remote Ext ID2:
- Remote Ext ID3:
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

### 31. Mapping from fake insurance comp ID to fee schedule

This setting will map "FakeInsCompID1" to fee schedule "5."

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Local Ext ID1:
- Local Ext ID2:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID:
- Remote Ext ID1:
- Remote Ext ID2:
- Remote Ext ID3:
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

### 32. Mapping from patient class to fee schedule ID

This setting will map the patient class “PatClass1” to the local fee schedule “2.”

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 2
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID: PatClass1
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

### 33. Mapping for appointment type

This setting will map the remote “MEDICAID” to the local appointment type “3.”

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 3
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID: MEDICAID
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

### 34. Mapping for appointment status

This mapping is used to map an appointment status to values in SCH-25 if the filler status is not populated in ddb\_hl7\_evtlog\_base. If the filler status is populated, the filler status is used in SCH-25. Mapping #46 can be used to map the filler status to SCH-25.

This setting will map the remote status “booked” to the local status “4.”

Internal ID: 4 Internal DB: 2

Local Ext ID: Remote Ext ID: BOOKED

Local Ext ID1: Remote Ext ID1:

Local Ext ID2: Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in): Remote Ext ID4:

Save Cancel

This setting will map 150 to “COMPLETE.”

Internal ID: 150 Internal DB: 2

Local Ext ID: Remote Ext ID: COMPLETE

Local Ext ID1: Remote Ext ID1:

Local Ext ID2: Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in): Remote Ext ID4:

Save Cancel

### 35. Mapping from patient financial class to poverty level

This setting will map FinClass2 to poverty level "2."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 2
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID: FinClass2
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

### 36. Mapping for pat poverty level

This setting will map "Class1" to the local level "8."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 8
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID: Class1
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

### 37. Mapping for worker status

This setting will map “EMP” to the local status “7.”

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

### 38. Mapping for patient homeless status

This setting will map “TRN” to the local homeless status “3.”

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

### 39. Guarantor relationship

This setting will map "001" to "SEL."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: SEL
- Remote Ext ID: 001
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

### 40. Mapping for SIU trigger event.

This setting will map S15 to S17.

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: S15
- Remote Ext ID: S17
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

## 41. Mapping from appointment status to HL7 message trigger event

This setting is for outbound files only. It will map the appointment status to S26. It only works when the original trigger is S13 or S14.

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 4
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID: S26
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

## 42. Mapping for allergy

This setting will map allergy type DA (Drug allergy) to drug1 to the local definition of allergy "1."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 1
- Internal DB: 2
- Local Ext ID: (empty)
- Remote Ext ID(Allergy Type): DA
- Local Ext ID1: (empty)
- Remote Ext ID(Allergen Code): Drug1
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

### 43. Mapping for veteran status

This setting is to map the veteran status.

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields and controls:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:
- Buttons: Save, Cancel

### 44. ADT segment label

This setting will map the ADT segment "ZPX" to "XXX". If segment "XXX" is not processed, the interface will ignore segment "ZPX" in the inbound ADT message.

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields and controls:

- Internal ID:
- Internal DB:
- Local ADT Segment Label:
- Remote ADT Segment Label:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:
- Buttons: Save, Cancel

#### 45. Mapping for patient class

This setting will map the remote “Emergency” to “EMG” code.

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

#### 46. Mapping for appointment filler status

This mapping is for outbound files only. It is used to map filler status from ddb\_h17\_evtlog\_base to SCH-25. If the filler status is populated, mapping #34 will not be used.

This setting will map “Deleted” to “5^Deleted.”

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog contains the following fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:

At the bottom of the dialog are two buttons: "Save" and "Cancel".

#### 47. Mapping for DFT transaction type

This setting is for outbound files only. It will map transaction type from PY^1^1 to PY.

The 'Edit Mapping Item' dialog box contains the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: PY^1^1
- Remote Ext ID: PY
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

#### 48. Mapping from DFT transaction type to DFT transaction code and description

This setting is for outbound files only. It is used to map the guarantor check payment to the transaction code.

The 'Edit Mapping Item' dialog box contains the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Ext ID: PY^1^1
- Remote Ext ID: PY\_1\_1
- Local Ext ID1: (empty)
- Remote Ext ID1: Guarantor CHK PY
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

This setting will map the insurance payment type to the transaction code and description.

**Edit Mapping Item** [X]

Internal ID: <input type="text" value="0"/>	Internal DB: <input type="text" value="2"/>
Local Ext ID: <input type="text" value="PY^3^0"/>	Remote Ext ID: <input type="text" value="PY_3"/>
Local Ext ID1: <input type="text"/>	Remote Ext ID1: <input type="text" value="Insurance payment"/>
Local Ext ID2: <input type="text"/>	Remote Ext ID2: <input type="text"/>
Local Clinic ID (mapping is effective in): <input type="text"/>	Remote Ext ID3: <input type="text"/>
	Remote Ext ID4: <input type="text"/>

This setting will map the adjustment to the transaction code.

**Edit Mapping Item** [X]

Internal ID: <input type="text" value="0"/>	Internal DB: <input type="text" value="2"/>
Local Ext ID: <input type="text" value="AJ^2^1"/>	Remote Ext ID: <input type="text" value="AJ_2_1"/>
Local Ext ID1: <input type="text"/>	Remote Ext ID1: <input type="text" value="General adjustment"/>
Local Ext ID2: <input type="text"/>	Remote Ext ID2: <input type="text"/>
Local Clinic ID (mapping is effective in): <input type="text"/>	Remote Ext ID3: <input type="text"/>
	Remote Ext ID4: <input type="text"/>

This setting will map the finance adjustment to the transaction code.

**Edit Mapping Item** ✕

Internal ID: <input type="text" value="0"/>	Internal DB: <input type="text" value="2"/>
Local Ext ID: <input type="text" value="AJ^4^0"/>	Remote Ext ID: <input type="text" value="AJ_4"/>
Local Ext ID1: <input type="text"/>	Remote Ext ID1: <input type="text" value="Finance adjustment"/>
Local Ext ID2: <input type="text"/>	Remote Ext ID2: <input type="text"/>
Local Clinic ID (mapping is effective in): <input type="text"/>	Remote Ext ID3: <input type="text"/>
	Remote Ext ID4: <input type="text"/>

This setting will map the late adjustment to the transaction code.

**Edit Mapping Item** ✕

Internal ID: <input type="text" value="0"/>	Internal DB: <input type="text" value="2"/>
Local Ext ID: <input type="text" value="AJ^8^0"/>	Remote Ext ID: <input type="text" value="AJ_8"/>
Local Ext ID1: <input type="text"/>	Remote Ext ID1: <input type="text" value="Late payment adjustment"/>
Local Ext ID2: <input type="text"/>	Remote Ext ID2: <input type="text"/>
Local Clinic ID (mapping is effective in): <input type="text"/>	Remote Ext ID3: <input type="text"/>
	Remote Ext ID4: <input type="text"/>

## 49. Mapping category #49: DFT transaction amount mapping

This setting is for outbound files only.

- Local external ID – The transaction type \* or ALL, or transaction types such as PY^1^1. If all (\* or ALL) is used, you should only have one mapping item.
- Local external ID1 – The property of the transaction amount to be changed: \*, <0.
- External ID – The operation to change it: \*(-1), BLANK, or 0.00.
- External ID1 – The description of this mapping purpose, such as making the value positive. Here is an example of making all transaction amounts (CG, PY, AJ, CD) be positive values.

Internal ID: 0 Internal DB: 2

Local Ext ID: \* Remote Ext ID: \*(-1)

Local Ext ID1: <0 Remote Ext ID1: make it positive

Local Ext ID2: Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in): Remote Ext ID4:

Save Cancel

This will make the guarantor check payment positive in DFT.

Internal ID: 0 Internal DB: 2

Local Ext ID: PY^1^1 Remote Ext ID: \*(-1)

Local Ext ID1: <0 Remote Ext ID1: make guarantor chk PY positive

Local Ext ID2: Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in): Remote Ext ID4:

Save Cancel

This setting will blank the transaction amount.

Internal ID:  Internal DB:

Local Ext ID:  Remote Ext ID:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

This setting will make all transaction amounts be "0.00."

Internal ID:  Internal DB:

Local Ext ID:  Remote Ext ID:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 50. Operator ID mapping

- Local external ID – The local operator ID.
- External ID – The remote operator ID.

The 'Edit Mapping Item' dialog box is used for configuring Operator ID mapping. It features a blue title bar with a close button. The main area contains several input fields arranged in two columns. The 'Internal ID' field is set to '0' and the 'Internal DB' field is set to '2'. The 'Local Ext ID' field contains 'STAFF2' and the 'Remote Ext ID' field contains 'J12345'. Below these are fields for 'Local Ext ID1', 'Remote Ext ID1', 'Local Ext ID2', 'Remote Ext ID2', 'Remote Ext ID3', and 'Local Clinic ID (mapping is effective in:)', all of which are currently empty. At the bottom, there are 'Save' and 'Cancel' buttons.

## 51. NK1 Contact Role mapping

- Local external ID – The local contact roles (EC or NOK).
- External ID – The remote Contact Role.

The 'Edit Mapping Item' dialog box is used for configuring NK1 Contact Role mapping. It features a blue title bar with a close button. The main area contains several input fields arranged in two columns. The 'Internal ID' field is set to '0' and the 'Internal DB' field is set to '2'. The 'Local Ext ID' field contains 'EC' and the 'Remote Ext ID' field contains 'PC'. Below these are fields for 'Local Ext ID1', 'Remote Ext ID1', 'Local Ext ID2', 'Remote Ext ID2', 'Remote Ext ID3', and 'Local Clinic ID (mapping is effective in:)', all of which are currently empty. At the bottom, there are 'Save' and 'Cancel' buttons.

## 52. ADA code to tooth number mapping

Some systems may require a tooth number or tooth number range, or require that there is no tooth number associated with an ADA code. The following mapping is for outbound files only, and it will set the tooth number to blank for the ADA code D0120.

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Field	Value
Internal ID:	0
Internal DB:	2
Local ADA Code	D0120
Remote Start Tooth Number	
Local Ext ID1:	
Remote End Tooth Number	
Local Ext ID2:	
Remote Ext ID2:	
Local Clinic ID (mapping is effective in):	
Remote Ext ID3:	
Remote Ext ID4:	

Buttons: Save, Cancel

## 53. Dept code mapping

This setting is for outbound files only. It will map blank to the remote Dept code "001."

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields and values:

Field	Value
Internal ID:	0
Internal DB:	2
Local Dept Code	
Remote Dept Code	001
Local Ext ID1:	
Remote Ext ID1:	
Local Ext ID2:	
Remote Ext ID2:	
Local Clinic ID (mapping is effective in):	
Remote Ext ID3:	
Remote Ext ID4:	

Buttons: Save, Cancel

#### 54. Clinic ID to Dept code mapping

The following setting is for outbound files only. It will map the clinic ID "CHB" to the Dept code "0005."

Internal ID:  Internal DB:

Local Clinic ID:  Remote Dept Code:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

#### 55. Provider ID and Name mapping (outbound only)

Internal ID:  Internal DB:

Local Prov ID:  Remote Prov ID:

Local Ext ID1:  Remote Prov Last Name:

Local Ext ID2:  Remote Prov First Name:

Local Clinic ID (mapping is effective in):  Remote Prov Mid Name:

Remote Ext ID4:

## 56. SIU segment label mapping (inbound only)

Internal ID:  Internal DB:

Local SIU Seg Label:  Remote SIU Seg Label:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 57. MDM OBX5 Text Char

Internal ID:  Internal DB:

Local Note Characters:  Remote Note Characters:

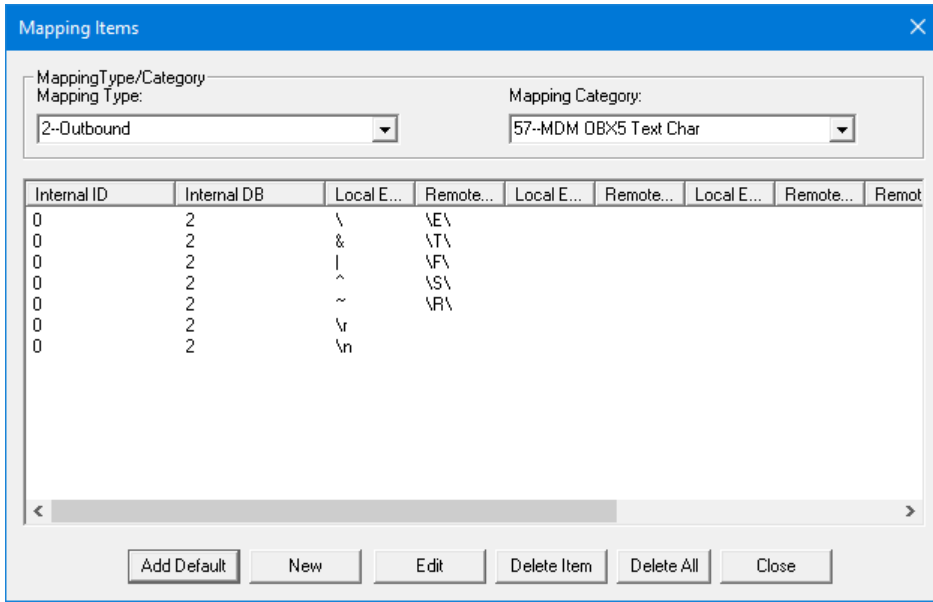
Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

For outbound files, when you click the “Add Default” button, all default mappings will be added.

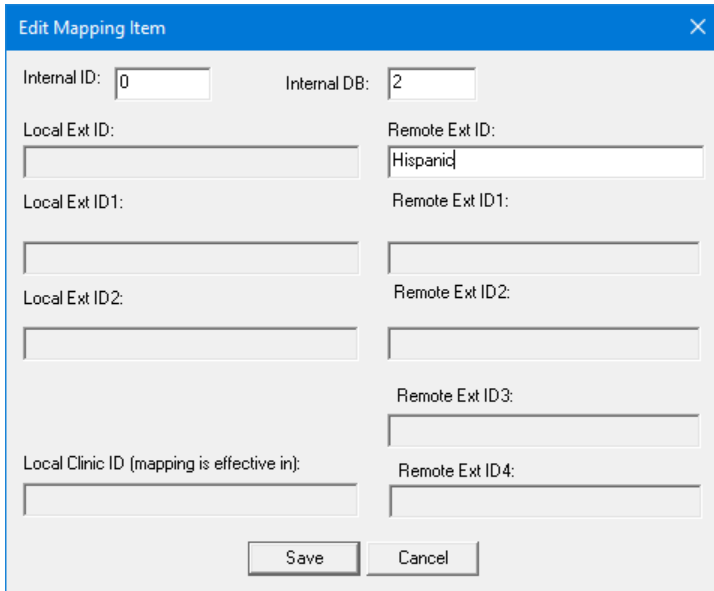


The Mapping Items dialog box features a blue title bar with the text "Mapping Items" and a close button. Below the title bar, there are two dropdown menus: "Mapping Type:" set to "2-Outbound" and "Mapping Category:" set to "57-MDM OBX5 Text Char". A table with 9 columns is displayed below, with the last column partially cut off. The columns are labeled "Internal ID", "Internal DB", "Local E...", "Remote...", "Local E...", "Remote...", "Local E...", "Remote...", and "Remot". The table contains 7 rows of data:

Internal ID	Internal DB	Local E...	Remote...	Local E...	Remote...	Local E...	Remote...	Remot
0	2	\	\\E\					
0	2	&	\\T\					
0	2		\\F\					
0	2	^	\\S\					
0	2	~	\\R\					
0	2	\r						
0	2	\n						

At the bottom of the dialog, there are six buttons: "Add Default", "New", "Edit", "Delete Item", "Delete All", and "Close".

## 58. Ethnicity



The Edit Mapping Item dialog box has a blue title bar with "Edit Mapping Item" and a close button. It contains several input fields:

- Internal ID:
- Internal DB:
- Local Ext ID:
- Remote Ext ID:
- Local Ext ID1:
- Remote Ext ID1:
- Local Ext ID2:
- Remote Ext ID2:
- Remote Ext ID3:
- Local Clinic ID (mapping is effective in):
- Remote Ext ID4:

At the bottom, there are "Save" and "Cancel" buttons.

## 59. User Defined Patient Category

**Edit Mapping Item** ✕

Internal ID:  Internal DB:

Local Ext ID:  Remote Ext ID:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 60. SIU Prov. Type in AIP

For outbound files only, show "Dentist" in AIP-4.

**Edit Mapping Item** ✕

Internal ID:  Internal DB:

Local Prov ID:  Remote Resource Role (AIP-4):

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

Show "Hygienist" in AIP-4.

**Edit Mapping Item** [X]

Internal ID:  Internal DB:

Local Prov ID:  Remote Resource Role (AIP-4):

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

### 61. SIU Location Type in AIL (outbound only)

**Edit Mapping Item** [X]

Internal ID:  Internal DB:

Local OP ID:  Remote Loc Type (AIL-4):

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 62. SIU RSC Group Type in AIG (outbound only)

**Edit Mapping Item** [X]

Internal ID: <input type="text" value="0"/>	Internal DB: <input type="text" value="2"/>
Local Clinic ID <input type="text" value="ClinicA"/>	Remote Resource Type (AIG-4) <input type="text" value="Clinic"/>
Local Ext ID1: <input type="text"/>	Remote Ext ID1: <input type="text"/>
Local Ext ID2: <input type="text"/>	Remote Ext ID2: <input type="text"/>
	Remote Ext ID3: <input type="text"/>
Local Clinic ID (mapping is effective in): <input type="text"/>	Remote Ext ID4: <input type="text"/>

## 63. SIU Event Reason (SCH-6)

For outbound files, add a default mapping to the appointment event reason (SCH-6).

**Edit Mapping Item** [X]

Internal ID: <input type="text" value="0"/>	Internal DB: <input type="text" value="2"/>
Local Event Reason <input type="text" value="default"/>	Remote Event Reason(SCH-6) <input type="text" value="dental app"/>
Local Ext ID1: <input type="text"/>	Remote Ext ID1: <input type="text"/>
Local Ext ID2: <input type="text"/>	Remote Ext ID2: <input type="text"/>
	Remote Ext ID3: <input type="text"/>
Local Clinic ID (mapping is effective in): <input type="text"/>	Remote Ext ID4: <input type="text"/>

Add a mapping from “Schedule a broken appt” to “New Appt.”

Internal ID:  Internal DB:

Local Event Reason:  Remote Event Reason(SCH-6):

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

Map all to “Dental Appt.”

Internal ID:  Internal DB:

Local Event Reason:  Remote Event Reason(SCH-6):

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 64. SIU Appt Reason (SCH-7)

For outbound files, set a default mapping to “Dental Appt.”

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Appt Reason: DEFAULT
- Remote Appt Reason: Dental appt
- Local Appt Reason Map Scope: use FIRST, ALL (\*, blank)
- Remote Appt Reason Map Scope: use ALL (\*, blank) or MAP^\*, or
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

Map the first reason in appointment description field to “323,” and send the local reason in the second component in SCH-7.

The screenshot shows the 'Edit Mapping Item' dialog box with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Appt Reason: PeriodicX
- Remote Appt Reason: 323
- Local Appt Reason Map Scope: use FIRST, ALL (\*, blank)
- Remote Appt Reason Map Scope: use ALL (\*, blank) or MAP^\*, or
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

Map all to "Dental" in SCH-7, and send the original reason in the second component.

Internal ID:  Internal DB:

Local Appt Reason:  Remote Appt Reason:

Local Appt Reason Map Scope use FIRST, ALL (\*, blank):  Remote Appt Reason Map Scope use ALL (\*, blank) or MAP^\*, or:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

To map the first reason and send all reasons in the second component.

Internal ID:  Internal DB:

Local Appt Reason:  Remote Appt Reason:

Local Appt Reason Map Scope use FIRST, ALL (\*, blank):  Remote Appt Reason Map Scope use ALL (\*, blank) or MAP^\*, or:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 65. TXA doc completion status (outbound only)

To map "LA" to "AU."

Internal ID:  Internal DB:

Local Doc Completion Status:  Remote Doc Completion Status(TXA-17):

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

To map "DI" to "DO."

Internal ID:  Internal DB:

Local Doc Completion Status:  Remote Doc Completion Status(TXA-17):

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

## 66. MDM Trigger Event (outbound only)

Map T08 to T04.

Internal ID:  Internal DB:

Local MDM Trigger Event:  Remote MDM Trigger Event:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

Map T11 to T04

Internal ID:  Internal DB:

Local MDM Trigger Event:  Remote MDM Trigger Event:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Local Clinic ID (mapping is effective in):  Remote Ext ID3:

Remote Ext ID4:

## 67. SIU ZAD Field #1

This setting is for outbound files only. Mapping the appointment checklist value to the text of the ZAD field #1. Map 1 (checked) to "Transportation is required."

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog is divided into two columns. The left column contains the following fields: "Internal ID:" with a text box containing "0", "Local ZAD Field 1 Value:" with a text box containing "1", "Local Ext ID1:" with an empty text box, "Local Ext ID2:" with an empty text box, and "Local Clinic ID (mapping is effective in):" with an empty text box. The right column contains: "Internal DB:" with a text box containing "2", "Remote ZAD Field 1 Value:" with a text box containing "Transportation is Required", "Remote Ext ID1:" with an empty text box, "Remote Ext ID2:" with an empty text box, "Remote Ext ID3:" with an empty text box, and "Remote Ext ID4:" with an empty text box. At the bottom of the dialog are two buttons: "Save" and "Cancel".

## 68. SIU ZAD Field #2

This setting is for outbound files only. Mapping the appointment checklist value to the text of the ZAD field #2. Map 1 (checked) to "Transportation is required."

The screenshot shows a dialog box titled "Edit Mapping Item" with a close button (X) in the top right corner. The dialog is divided into two columns. The left column contains the following fields: "Internal ID:" with a text box containing "0", "Local ZAD Field 2 Value:" with a text box containing "1", "Local Ext ID1:" with an empty text box, "Local Ext ID2:" with an empty text box, and "Local Clinic ID (mapping is effective in):" with an empty text box. The right column contains: "Internal DB:" with a text box containing "2", "Remote ZAD Field 2 Value:" with a text box containing "Transportation is Required", "Remote Ext ID1:" with an empty text box, "Remote Ext ID2:" with an empty text box, "Remote Ext ID3:" with an empty text box, and "Remote Ext ID4:" with an empty text box. At the bottom of the dialog are two buttons: "Save" and "Cancel".

### 69. SIU OP ID to Prov ID and Names mapping (create an extra AIP)

This setting is for outbound files only. To map from operator "TESTOP1" to a provider with ID "ProvID."

The 'Edit Mapping Item' dialog box is shown with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Op ID: TESTOP1
- Remote Prov ID: ProvID
- Local Ext ID1: (empty)
- Remote Prov Last Name: ProvLastName
- Local Ext ID2: (empty)
- Remote Prov First Name: ProvFirstName
- Remote Prov Mid Name: ProvMidName
- Local Clinic ID (mapping is effective in): (empty)
- Remote Resource Type (AIP-4): S^Resource

Buttons: Save, Cancel

### 70. Cavity code mapping (outbound only)

The following setting will map local cavity code "30" to remote code "40."

The 'Edit Mapping Item' dialog box is shown with the following fields:

- Internal ID: 0
- Internal DB: 2
- Local Cavity Code: 30
- Remote Cavity Code: 40
- Local Ext ID1: (empty)
- Remote Ext ID1: (empty)
- Local Ext ID2: (empty)
- Remote Ext ID2: (empty)
- Remote Ext ID3: (empty)
- Local Clinic ID (mapping is effective in): (empty)
- Remote Ext ID4: (empty)

Buttons: Save, Cancel

## 71. Specimen Source (OBR-15)

Internal ID:  Internal DB:

Local Result Code System:  Remote Result Code System:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 72. Observation Code (OBX-3(1))

Internal ID:  Internal DB:

Local Result Code System:  Remote Result Code System:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

### 73. Observation Code System (OBX-3(3)).

Internal ID:  Internal DB:

Local Result Code System	Remote Result Code System
<input type="text" value="LDINC"/>	<input type="text" value="LN"/>
Local Ext ID1:	Remote Ext ID1:
<input type="text"/>	<input type="text"/>
Local Ext ID2:	Remote Ext ID2:
<input type="text"/>	<input type="text"/>
	Remote Ext ID3:
	<input type="text"/>
Local Clinic ID (mapping is effective in):	Remote Ext ID4:
<input type="text"/>	<input type="text"/>

### 74. Prescription Status (Rx Status)

Internal ID:  Internal DB:

Local Rx Status	Remote Rx Status
<input type="text" value="Filled"/>	<input type="text" value="Sent"/>
Local Ext ID1:	Remote Ext ID1:
<input type="text"/>	<input type="text"/>
Local Ext ID2:	Remote Ext ID2:
<input type="text"/>	<input type="text"/>
	Remote Ext ID3:
	<input type="text"/>
Local Clinic ID (mapping is effective in):	Remote Ext ID4:
<input type="text"/>	<input type="text"/>

## 75. Diagnostic Code Type (outbound only)

Internal ID:  Internal DB:

Local Diag Code Type Name:  Remote Diag Code Type Name:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 76. Observation Code Name (OBX-3(3))

Internal ID:  Internal DB:

Local Ext ID:  Remote Ext ID:

Local Ext ID1:  Remote Ext ID1:

Local Ext ID2:  Remote Ext ID2:

Remote Ext ID3:

Local Clinic ID (mapping is effective in):  Remote Ext ID4:

## 77. Relationship Reverse (IN2-72)

Mapping Items

MappingType/Category  
Mapping Type: 1-Inbound Mapping Category: 77-IN2-72 Relationship Reverse

Internal ID	Internal DB	Local E...	Remote...	Local E...	Remote...	Local E...	Remote...	Remot
0	2	SPS	SPS					
0	2	PRN	CHILD					
0	2	PRNIN...	CHLDF...					
0	2	PRNIN...	WARD					
0	2	SPON	SPON					
0	2	SELF	SELF					
0	2	SPON	DOMPA...					

Add Default New Edit Delete Item Delete All Close

## 78. Category Code (OBR-4)

Mapping Items

MappingType/Category  
Mapping Type: 1-Inbound Mapping Category: 78-OBR-4 Catalog Code

Internal ID	Internal DB	Local Ext ID	Remote Ext ID	Local E...	Remote...	Local
0	2	Dentist Consults	Dental Referral Request			

New Edit Delete Item Delete All Close

Note: This only applies to the OBR segment in the ORM message type. This mapping item is used only if OBR-4 has the value "Dental Referral Request."

## 79. Order Type (OBR-24)

Internal ID	Internal DB	Local Ext ID	Remote Ext ID	Local E...	Remote...	Local
0	2	Dentist Consults	Dental Referral			

Note: This only applies to the OBR segment in the ORM message type. This mapping item is used only if OBR-4 has the value "Dental Referral Request" and if OBR-24 has the value "Dental Referral."

## V. Setting Up Parallel Processing:

From Version 10.2, the Dentrix Enterprise HL7 interface can be configured to do parallel processing for inbound messages. Parallel processing allows multiple channels to process inbound HL7 messages concurrently. Multiple HL7 services can be configured on one server or multiple servers, and multiple channels can be configured on each HL7 service.

### To enable and configure parallel processing

1. Select the **Enable Load Distributor** check box on the main dialog box of the HL7 setup.

The screenshot shows the 'Edit HL7 Site' dialog box with various configuration options. The 'Parallel Processing Settings' section is highlighted with a red border. In this section, the 'Enable Load Distributor' checkbox is checked, and the 'Setup channels' button is visible. Other settings in this section include 'Channel divider method' set to 'MOD of PatientID' and 'Communication Protocol' set to 'TCP/IP'.

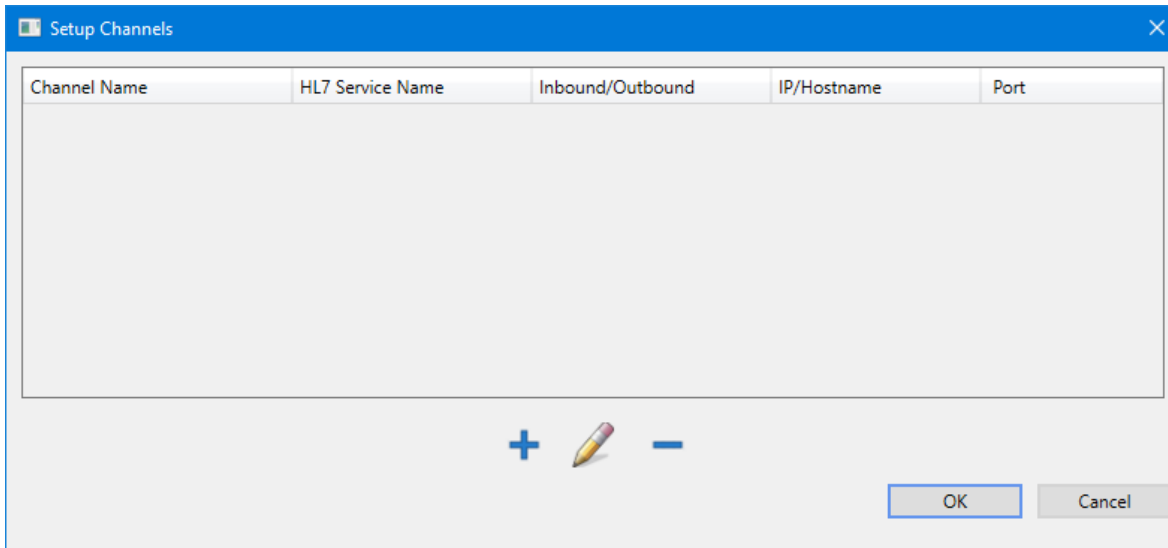
**System Name:** DEERS  
**IP/Hostname:** DEERSDBSRV Type: P  
**Send Port:** 5001  Send Message  
**Receive Port:** 5002  Receive Messages  
**Rcv Timeout:** 0 minutes until keep-alive sent 0 = disabled  
**Send Retries:** 100 Fast Retry: 5  
**Retry Interval:** 1 (fast, sec) Retry Intv: 5 (slow, sec)  
 Stop sending when reached limit  
**Keep Period:** 720 Days for messages sent  
**Save Period:** 720 Days for failed messages  
**Send App:** DXOne  Verify  
**Send Fac:** Dental  Verify  
**Recv. App:** ASD  Verify  
**Recv. Fac:** ASD  Verify  
**Def Prov:** Def. Clinic:  
 Update All Pat Prim Prov  
**Def Oper:** Def Fee Schedule: 1  
**Check for Send:** 1 sec  Ret ACK Required  
 Send ACK via Diff Port  Recv ACK via Diff Port  
 Refresh connection  Use link list to cache msg  
**ACK Field:** MSH-16 **Reset IBCT:** 0 sec  
**DB ID Text:** X **Max# QMsg:** 5  
**Messaging via Files**

**Customization**  
**HL7 Ver:** 2.3 **NDI:** II **Encoding Type:** UNICODE UTF-8  
**Clinic**  
**Imp Clinic:**  Yes  No **Read From:** **Save To:**  
**Pat Visit Num**  
**Imp PVN:**  Yes  No  Use PV1 Prov  Use Alt Visit ID  
**PVN Clinic:**  Update A.C.  
**Delete PVN via:** Not Used  Send A.C.  
**Patient Filter**  
 Enabled  Exact Match  
 Disabled  Partial Match  
**Framing**  
**Recv framing:** Header Trailer  
MLP  
**Send framing:** Header Trailer  
MLP  
**Pat Ext ID**  
**Read From:** PID-3M **Send In:** PID-3M  
**Primary ID:** PIN **Secondary ID:** EDI PI  
**Patient Class**  
**Read From:** RA&S ALL PV1-2 **Save To:** Pat Table  
**Visit Info**  
**Send Pat Visit# in:** PV1-19 **Attending Prov:** Process Prov  
 Active **Messages** **Mapping**  
OK Cancel

**Windows Service:** DtxEnt.HL7.Service **ACKs:**  Check MSH-15/16  
**Replies:**  
 Wait for response  
**Reply Timeout (ms):** 5000  
**Response Qualification:**  
 Require HL7  Check MSA-1  
 Require ACK  Match MSA-2  
**AA:** Success **AE:** Fail  
**AR:** Resend **Other:** Resend  
**Time settings:**  
 Use UTC  
**Insurance Settings:**  
 Copy Plan Dates to Eligibility Dates  
**PID Settings:**  
 PID-13 repeatable  
 PID-14 repeatable  
**Parallel Processing Settings:**  
 Enable Load Distributor **Setup channels**  
**Channel divider method:** MOD of PatientID **Communication Protocol:** TCP/IP

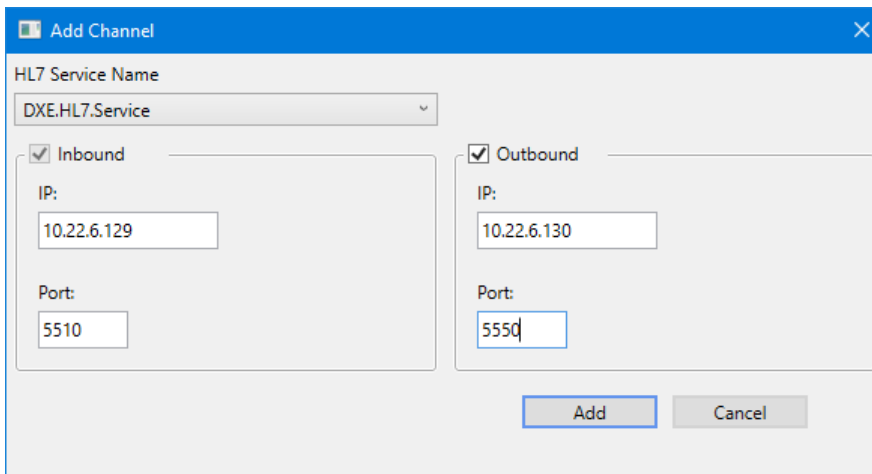
2. Click **Setup channels** on main dialog box of the HL7 setup.

The **Setup Channels** dialog box appears.



3. Click the **Add** (plus sign) button to add a new channel.

The **Add Channel** dialog box appears.



The image above is an example of a channel running on an HL7 Windows Service named "DXE.HL7.Service" with inbound and outbound communication.

4. Select the appropriate HL7 service that runs this channel from the **HL7 Service Name** list.
5. Select the **Inbound** check box, and then enter in the appropriate **IP** and **Port** for inbound communication.

The inbound IP address is the IP of the computer that is running the HL7 service. The inbound port can be any port that is open and not in use on that computer.

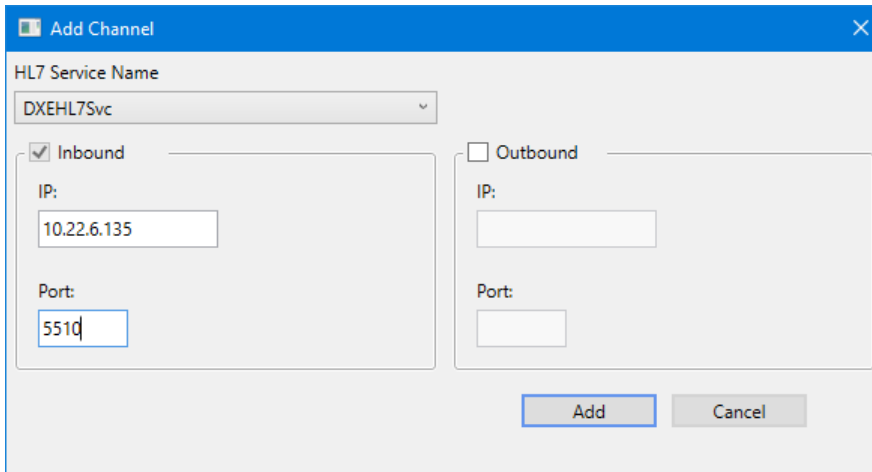
Note: The inbound IP and port for the channel are only used for communication between the load distributor and the channel. Dentrax Enterprise will still receive inbound messages from the external source on the **Receive Port** listed in the main HL7 settings dialog box.

6. If the interface also has outbound messages enabled, the outbound communication must be set up for outbound messages to be sent. Select the **Outbound** check box, and then enter in the appropriate **IP** and **Port** for outbound communication. The outbound IP address and port of the channel are the IP address and port that the receiving HL7 interface is listening on.

Note: Parallel processing is currently not available for outbound messages. Only 1 channel can have outbound communication. Once a channel with outbound communication is created, the outbound IP and port used for that channel will override the **IP** and **Send Port** listed in the main HL7 settings dialog box.

7. Click **Add**.

8. When the first channel with inbound communication is created, the initial HL7 site becomes the load distributor and only distributes the inbound message flow among the channels. In order to see performance improvements, at least 2 channels with inbound communication must be set up. Repeat steps 3–5 and 7 to add a second channel with only inbound communication.



HL7 Service Name  
DXEHL7Svc

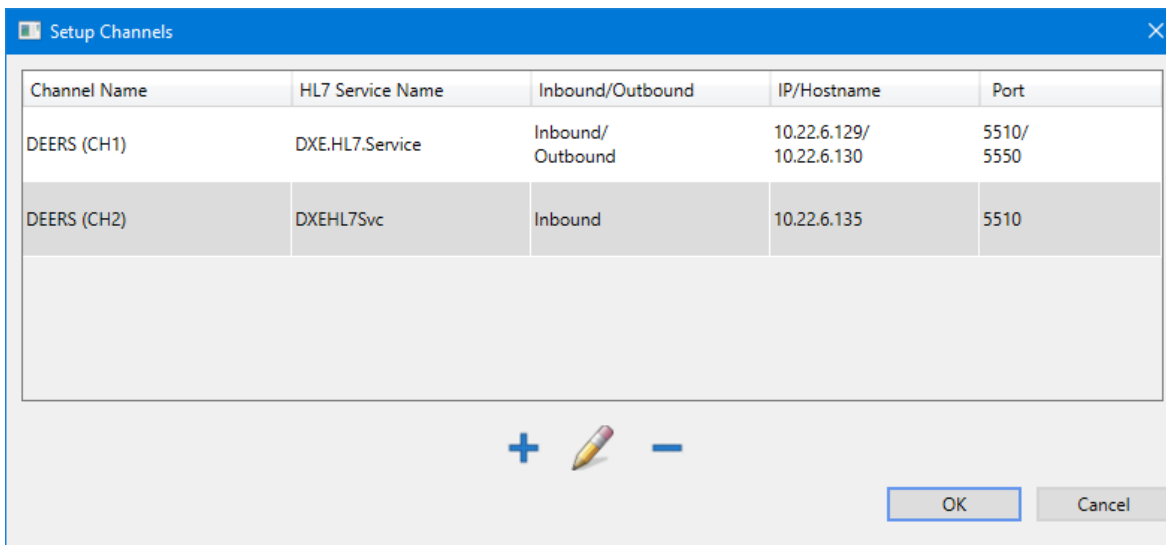
Inbound  
IP: 10.22.6.135  
Port: 5510

Outbound  
IP:  
Port:

Add Cancel

The image above is an example of another inbound channel running on an HL7 Windows Service named “DXEHL7Svc” on a computer with the IP 10.22.6.135 through port 5510.

The channels appear in the **Setup Channels** dialog box.



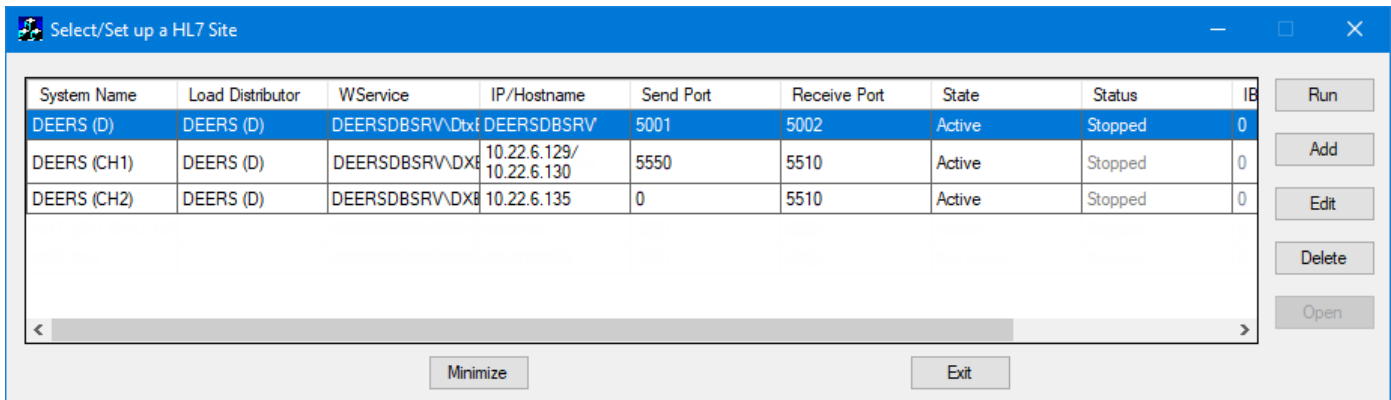
Channel Name	HL7 Service Name	Inbound/Outbound	IP/Hostname	Port
DEERS (CH1)	DXE.HL7.Service	Inbound/ Outbound	10.22.6.129/ 10.22.6.130	5510/ 5550
DEERS (CH2)	DXEHL7Svc	Inbound	10.22.6.135	5510

+ ✎ -

OK Cancel

9. Do any of the following as needed:
- To change the settings for an existing channel, select a channel, and then click the **Edit** (pencil) button. Make the necessary changes, and then click **Update**.
  - To delete a channel, select a channel, and then click the **Delete** (minus sign) button.

10. Check the site and channel status. After configuring all channels for a site, a distributor and all related channels appear in the main HL7 site window. Each channel and the load distributor must be started individually. To start a channel or load distributor, select it, and then click **Run**. Repeat this process as needed to start other channels or the load distributor.



When the load distributor is running, "OB Paused" appears in the corresponding **Status** column.

When the channel containing outbound communication is running, "Running" appears in the corresponding **Status** column. All other channels will have "OB Paused" in the **Status** column when they are running.

Notes:

- The maximum recommended channels per load distributor is 50. Monitor CPU and memory usage to make sure the server can handle the number of channels created.
- Additional load distributors should be set up on additional servers for best performance.
- Channels cannot be created or modified if there are any existing channels running or that have messages in the queue.