



Global Submitter Setup Guide

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This document provides specific instructions for setting up Global Submitter in IWeb and creating the associated import profiles in PHC Hub.

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Purpose of Global Submitter

- Global Submitter enables Health Information Exchange (HIE) systems, ImmsLink and other like systems to submit HL7 messages on behalf of multiple Organization (IRMS)s using the same username and password.

How Does Global Submitter Work?

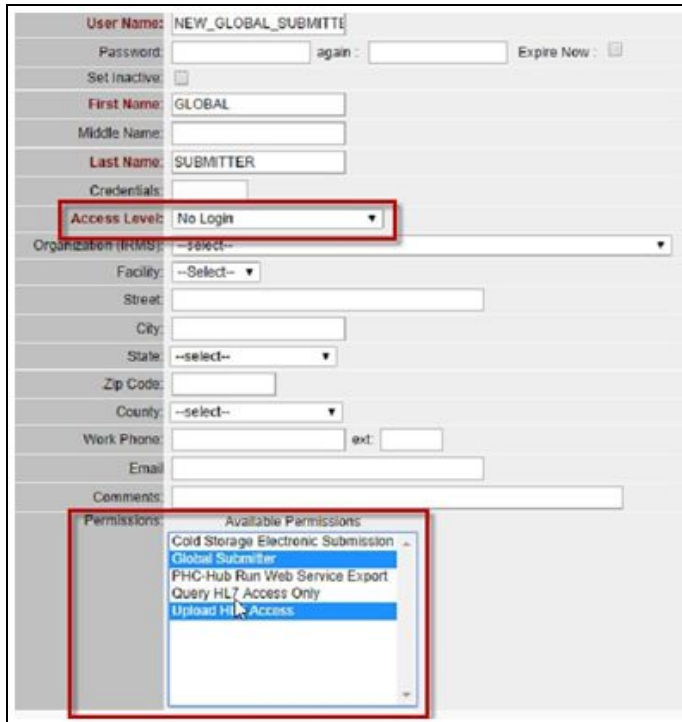
- Once an HL7 message is imported, PHC Hub verifies the account has Global Submitter permission and reads the ID in MSH-22 and if empty, it will read the ID in MSH-4.
- PHC Hub searches for an Organization (IRMS) in IWeb where there is the Global Submitter name and the ID from MSH matches the Namespace or NPI Number field.
- If a match is found, PHC Hub takes that Organization (IRMS) ID and uses it to pick an Import Profile.
- If a match is not found, PHC Hub rejects that message.
- One Global Submitter username submits dozens of messages that end up processed by different import profiles under different providers. The messages don't show up in PHC Hub listed together, except when you use message search by Global Submitter username.

Global Submitter Setup

IWeb – Create Global Submitter

1. Login to IWeb as a user with administrative access
2. Click on the Administration menu
3. Click on User Management -> Search/ Add User
4. Click Search
5. Click Add
6. Fill in Username - globalsubmitter
7. Fill in a Password and Password verification
8. Fill in First Name – Global
9. Fill in Last Name – Submitter
10. Select "No Login" from Access Level drop down

11. Multi-select "Global Submitter" and "Upload HL7 Access" from the permissions box.
12. Click Save

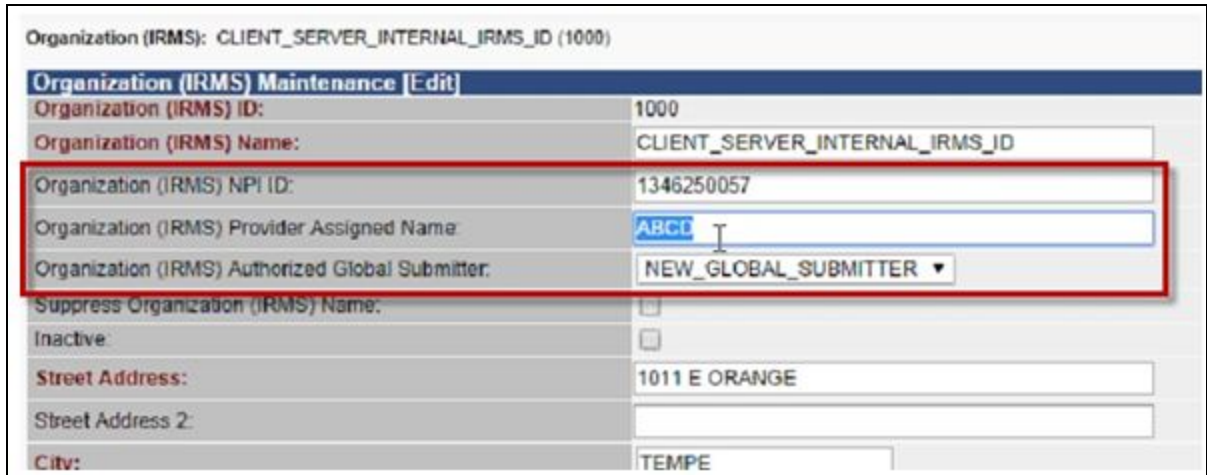


IWeb – Create Organization (IRMS)

1. Click on Organization (IRMS) -> Search/Add
2. Click on Search
3. Click on Add
4. Fill in Organization (IRMS) Name Field
5. Fill in Organization (IRMS) NPI ID Field {The unique 10 digit national identification number in MSH-4.2}

NOTE: The NPI can only be defined at the Organization (IRMS) level.
6. Fill in Organization (IRMS) Provider Assigned Name Field {The unique namespace assigned to this provider/trading partner in MSH-4.1, equivalent of Namespace}.
7. Select the Global Submitter username from the Organization (IRMS) Authorized Global Submitter drop down.
8. Fill in the Street Address, City, State, Zip, County fields.

- Note the Organization (IRMS) ID for creating a profile in PHC-HUB.
- Click Save.



Organization (IRMS): CLIENT_SERVER_INTERNAL_IRMS_ID (1000)	
Organization (IRMS) Maintenance [Edit]	
Organization (IRMS) ID:	1000
Organization (IRMS) Name:	CLIENT_SERVER_INTERNAL_IRMS_ID
Organization (IRMS) NPI ID:	1346250057
Organization (IRMS) Provider Assigned Name:	ABCC
Organization (IRMS) Authorized Global Submitter:	NEW_GLOBAL_SUBMITTER
Suppress Organization (IRMS) Name:	<input type="checkbox"/>
Inactive:	<input type="checkbox"/>
Street Address:	1011 E ORANGE
Street Address 2:	
City:	TEMPE

IWeb – Update an Existing Organization (IRMS)

- Click on Organization (IRMS) -> Search/Add
- Click on Search
- Search for the existing Organization (IRMS)
- Fill in Organization (IRMS) NPI ID Field {The unique 10 digit national identification number in MSH-4.2}
NOTE: The NPI can only be defined at the Organization (IRMS) level.
- Fill in Organization (IRMS) Provider Assigned Name Field {The unique namespace assigned to this provider/trading partner in MSH-4.1, equivalent of Namespace}.
- Select the correct Global Submitter username from the Organization (IRMS) Authorized Global Submitter drop down.
- Note the Organization (IRMS) ID for creating a profile in PHC-HUB.
- Click Save.

Import Profile Setup

PHC Hub – Create Import Profile

1. Select the Organization (IRMS) ID from the drop down and log in as a user with administrative access.
2. Click Import Profiles -> Create New Profile
3. Complete the following information as appropriate:
 - a. Enter Profile Name
 - b. Select template from the dropdown

New Import Profile	
Name	<input type="text"/>
Template	HL7 Version 2
Import profile from XML	Browse... No file selected.
<input type="button" value="Create"/>	

4. Click Create
5. Check the Enabled Check Box in the Edit Import Profile Box
6. Check the Patient and Vaccine Checkboxes under Import Data in the Update Settings box
7. Click Save

Edit Import Profile (Disabled)		Update Settings	
Name	Client_Server	Insert Unrecognized Vaccinations	<input type="checkbox"/>
Based On	HL7 Version 2	Procedure Code Classification	<input type="text"/>
Type	HL7	Import Data	<input checked="" type="checkbox"/> Patient <input checked="" type="checkbox"/> Vaccine
Enabled	<input checked="" type="checkbox"/>	Assume Consented	<input type="checkbox"/>
Template	<input type="checkbox"/>	Newborn Name Matcher	<input type="text"/>
Log level	Verbose	Initial Merge Status	N
Save Import Text	Always	Force Vaccinations Historical	<input type="checkbox"/>
Save Import Response	Always	Pick-out Middle Initial from First Name	<input type="checkbox"/>
Return Responses	Defined by message	Deduplicate After Import	<input type="checkbox"/>
HL7 Version	--select--	Accept if not older than	<input type="text"/>
		Update Current Patients	<input checked="" type="checkbox"/>
		Update Registry Inventory	<input type="checkbox"/>
		Map Vaccination VFC Eligible from PV1-20	<input type="checkbox"/>
		Use Facility Id from HL7 v2.5 Location	<input type="checkbox"/>
		Varicella History-of-Disease Code	<input type="text"/>
		Reciprocal Update	Not Enabled
		Assume Guardian for Blank Relationship Code	<input type="checkbox"/>
		Insert patient as historical (non-owned)	<input type="checkbox"/>
		Allow Unique Vaccination Id	<input type="checkbox"/>
		Private Lot Number Matcher	<input type="text"/>

Sample Messages

Successful HL7 message using NPI ID in MSH2.1

```
MSH|^~\&|ATHENANET|TEST
ORGANIZATION|SIIS|TDH^2.16.840.1.113883.3.773^ISO|202009232158||VXU^V04^VXU_V04|631255M11141|P|2.5.1||
NE|AL||||Z22^CDCPHINVS|10025698|
PID|1||3000^^^1154654440^MR||KING^ANNDREONA^^^^^L||20080209|F||2054-5^Black or African
American^HL70005|4447 ANDREW JACKSON
PKY^^HERMITAGE^TN^37076^USA^M|^PRN^PH^^^615^5004685|||||||2135-2^Hispanic or Latino^CDCREC|
PD1|||||||01^No reminder/recall^HL70215|||||A|20200923|20200923
NK1|1|KING^KRISTAL^^^^^L|OTH^GRD^HL70063|4447 ANDREW JACKSON
PKY^^HERMITAGE^TN^37076^USA^P|^PRN^PH^^^615^5004685|||||||19701216|||||||
ORC|RE|191997H11141^athenanet|191997H11141^athenanet|||||^Davidson^Beverly^^^^^^L||1144473547^DAVID
SON^BEVERLY^^^^^^L^^^NPI||||10025698^TEST ORGANIZATION^NPI|||||
RXA|0|1|20200923|20200923|114^meningococcal MCV4P^CVX|.5|mL^mL^UCUM||00^NEW IMMUNIZATION
RECORD^NIP001|1144473547^DAVIDSON^BEVERLY^^^^^^L^^^NPI|^3||||U6565AA|20210328|PMC^Sanofi
Pasteur^MVX|||CP|A|
RXR|C28161^Intramuscular^NCIT|RD^Right Deltoid^HL70163|||
OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V02^VFC eligible - Medicaid/Medicaid Managed
Care^HL70064|||||F||20200923||VXC40^Eligibility captured at the immunization level^CDCPHINVS|||||
OBX|2|ST|30963-3^Vaccine purchased with^LN|1|VXC50^Public VFC^HL70064|||||F||20200923|||||
OBX|3|TS|29769-7^DATE VACCINE INFORMATION STATEMENT PRESENTED^LN|2|20200923|||||F||20200923|||||
OBX|4|TS|29768-9^DATE VACCINE INFORMATION STATEMENT PUBLISHED^LN|2|20190815|||||F||20200923|||||
OBX|5|CE|30956-7^SINGLE VACCINE TYPE^LN|2|114^meningococcal MCV4P^CVX|||||F||20200923|||||
```

Successful HL7 message using NPI ID in MSH4.1

```
MSH|^~\&|ATHENANET|10025698|SIIS|TDH^2.16.840.1.113883.3.773^ISO|202009232158||VXU^V04^VXU_V04|6312
55M11141|P|2.5.1||NE|AL||||Z22^CDCPHINVS|
PID|1||3000^^^1154654440^MR||KING^ANNDREONA^^^^^L||20080209|F||2054-5^Black or African
American^HL70005|4447 ANDREW JACKSON
PKY^^HERMITAGE^TN^37076^USA^M|^PRN^PH^^^615^5004685|||||||2135-2^Hispanic or Latino^CDCREC|
PD1|||||||01^No reminder/recall^HL70215|||||A|20200923|20200923
NK1|1|KING^KRISTAL^^^^^L|OTH^GRD^HL70063|4447 ANDREW JACKSON
PKY^^HERMITAGE^TN^37076^USA^P|^PRN^PH^^^615^5004685|||||||19701216|||||||
ORC|RE|191997H11141^athenanet|191997H11141^athenanet|||||^Davidson^Beverly^^^^^^L||1144473547^DAVID
SON^BEVERLY^^^^^^L^^^NPI||||10025698^TEST ORGANIZATION^NPI|||||
RXA|0|1|20200923|20200923|114^meningococcal MCV4P^CVX|.5|mL^mL^UCUM||00^NEW IMMUNIZATION
RECORD^NIP001|1144473547^DAVIDSON^BEVERLY^^^^^^L^^^NPI|^3||||U6565AA|20210328|PMC^Sanofi
Pasteur^MVX|||CP|A|
RXR|C28161^Intramuscular^NCIT|RD^Right Deltoid^HL70163|||
OBX|1|CE|64994-7^Vaccine funding program eligibility category^LN|1|V02^VFC eligible - Medicaid/Medicaid Managed
Care^HL70064|||||F||20200923||VXC40^Eligibility captured at the immunization level^CDCPHINVS|||||
OBX|2|ST|30963-3^Vaccine purchased with^LN|1|VXC50^Public VFC^HL70064|||||F||20200923|||||
OBX|3|TS|29769-7^DATE VACCINE INFORMATION STATEMENT PRESENTED^LN|2|20200923|||||F||20200923|||||
OBX|4|TS|29768-9^DATE VACCINE INFORMATION STATEMENT PUBLISHED^LN|2|20190815|||||F||20200923|||||
OBX|5|CE|30956-7^SINGLE VACCINE TYPE^LN|2|114^meningococcal MCV4P^CVX|||||F||20200923|||||
```

ACK for a rejected HL7 message where the Global Submitter is not authorized to submit

```
MSH|^~\&|SIIS^^|TDH^^|RHAPSODY^^|MDM^^|20140929172113||^|9981600513.100000129|P|2.5.1|
MSA|AR|Q1749507284T18981311|Unable to import: user not allowed to submit data on behalf of 1510|||207^^HL70357|
ERR|||203|E||
```