

AGNIS Certification



Submitter Role

Training Objectives

- Introduce the process for AGNIS Certification
- Provide an overview of the training and documentation available
- Provide a high level view of the transplant center effort
- Identify additional resources available
- Next steps

This introduction will help a transplant center to understand what is involved in using AGNIS in the Submitter Role to Submit forms to FormsNet 2. In older documentation this was called the Originator Role we've changed terminology to be more clear.

It will provide a very quick look at the training and technical resources available as you get started, and what the transplant center effort to implement AGNIS will likely entail.

Finally this presentation will identify additional resources available and suggest next steps.

AGNIS Certification Submitter Role

- Transplant Center Data Management approval
- Development effort for TC technical staff
- Coordination with AGNIS staff
 - Access to AGNIS environments
 - AGNIS staff monitor progress
- Demonstrate success
 - Formal criteria to be developed
- Grant AGNIS Production Security Certificate

The AGNIS certification process is intended to help guide a transplant center interested in using AGNIS. In order to submit form data to FormsNet 2 through AGNIS in the Submitter Role, a transplant center would first need the approval of their data management group to proceed.

AGNIS is not a turn key system, if a transplant center has the data required on forms within their own systems, a development effort is required at the transplant center to access that data and format it for submission through ANGIS.

Throughout the transplant center development there should be a working partnership between the AGNIS team at NMDP and the application development staff at the transplant center. There are AGNIS environments available for testing data submission, and with logging, AGNIS staff can monitor the success of data submission.

A center is expected to demonstrate success by submitting test forms to the AGNIS test environment in the course of their development effort prior to data submission to the AGNIS production environment. While there currently isn't formal criteria defined, we expect to work closely with transplant centers during this phase of their development.

The intent is that when a center has completed their development and testing effort they will be granted access to the AGNIS production environment and will be authorized to submit FormsNet 2 form data through AGNIS.

It is important to overall system security that AGNIS take steps to ensure requests for data are truly coming from a transplant center. The process to obtain a production security certificate includes steps to verify the identity of the requestor. A representative from the data management group at a transplant center should inform AGNIS of their intent to request production access, this should identify the IT contact at the transplant center who will submit the request for a production security certificate. Once the identity has been verified the IT contact can send the request to AGNIS.

AGNIS Training

- Introduction to AGNIS
 - High level overview
 - AGNIS Roles
- Introduction to caDSR (Cancer Data Standards Registry and Repository)
 - Common Data Elements (CDEs)
 - Form Builder (CDEs on Forms)
 - Mapping Transplant Center data to CDEs

As a transplant center gets started with AGNIS, start with The Introduction to AGNIS presentation. This is available on www.CIBMTR.org in the Data Management tab. This gives an overview of AGNIS and introduces the Submitter Role that is used to submit data to AGNIS.

AGNIS uses NCI Cancer Data standards and defines forms in a way that adheres to these standards. The following training is available to help you understand these data standards and how transplant center data can be mapped to forms:

Introduction to CaDSR

- High-level overview of caCore and Cancer Data Standards Registry and Repository (CaDSR)

- CaDSR terminology

- Overview of meta data and Common Data Elements (CDEs)

- Introduction to Form Builder which shows the mapping of Common Data elements to Forms

- Review Transplant Centers responsibility to map local data structures to CDEs

These presentation are available on AGNIS.Net.

AGNIS Technical Resources

- AGNIS Data Submission Procedures
 - Identifies general submission rules
 - Detail about data patterns used
- Quick Start Document
 - Software and tools
 - Information about Security
- Data Dictionary
 - Database schema
 - XML Schema

In addition to the presentations just mentioned there are technical resources that should be read and understood as AGNIS data submission development begins. These are all available on AGNIS.net on the Documentation tab.

The AGNIS Data Submission Procedures document describes patterns that are applied as forms are defined, how form data should be submitted to AGNIS, and how AGNIS processes data in the defined patterns.

The Quick Start Document gives direction as to tools that can be used, how security is maintained, and how connectivity can be established.

The AGNIS Data Dictionary describes the format of the AGNIS DataBase and provides schema for defining a local version.

As mentioned all of these documents are available on AGNIS.net

Transplant Center Development

- Proof of Concept
 - Test messaging
 - Understand Security
- Mapping TC System data to CDE's
- TC Development Project
 - Construct XML messages using CDE's
 - Quality Assurance
 - AGNIS External SysTest

What would a transplant center AGNIS development effort entail?

Any development effort at a transplant center should follow local development standards and methodologies, the steps shown here are an example.

You may want to start with a proof of concept, this could be as little as ensuring that you can establish connectivity between your system and AGNIS and that messages can be successfully exchanged between the two systems. It may include a more thorough investigation of the security used by AGNIS to ensure the safety of data submitted.

Part of the transplant center work will be mapping the data within clinical or health record systems to the common data elements expected by AGNIS messages

The development effort includes building the XML messages expected by AGNIS with transplant center data, sending those messages to ANGIS and handling messages returned. There must be a quality assurance effort, this will include sending test messages to the external AGNIS System Test environment available for this testing. Messages sent to this environment are processed through a copy of the AGNIS service and applied to a test copy of FormsNet 2.

Resources Available

- AGNIS email address
 - agnis@nmdp.org
- AGNIS News Group (Google group)
 - Post questions and comments
 - AGNIS development updates
 - Announcements
- AGNIS Weekly meetings
 - Raise question or issues
 - Presentations of topics of interest
 - Share with other transplant centers and AGNIS development staff

In addition to the training and guides available at AGNIS.Net these resources are also available:

Send us a message, using the AGNIS email address you have direct access to the AGNIS team at NMDP.

The AGNIS News Group (a Google group) allows you to submit questions, read about AGNIS development updates, and find announcements about AGNIS. There is documentation on www.cibmtr.org with instruction on how to request access.

This AGNIS News group is generally available but we ask that you identify yourself by name and location either by entering a nickname or by updating your profile on Google.

There are weekly meetings for Transplant centers that are actively working on AGNIS implementation, during this weekly conference call you can ask questions of the AGNIS team, or other centers working with AGNIS. There are scheduled presentations about various aspects of AGNIS, and at times transplant centers working with AGNIS may share their work. Send a message to the AGNIS group at the mail address shown above to receive an invitation.

Next Steps

- Take advantage of resources available
 - [CIBMTR.org Data Management training and reference](#)
 - [National Cancer Institute Data Standards Registry and Repository](#)
 - [National Cancer Institute CDE Browser](#)
 - [AGNIS documentation and downloads](#)
 - Join the AGNIS news group
 - See the link on www.AGNIS.net
 - See instructions on CIBMTR.org
- Contact us
 - Agnis@nmdp.org