

# Getting Started in NBIA 6.5

This chapter describes how to get started using NBIA.

Topics in this chapter include:

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## Introduction to NBIA

NBIA provides the cancer research and medical community, industry, and academia access to imaging archives that can be used for many purposes, including the potential to assist in the development and validation of analytical software tools supporting these functions:

- Lesion detection and classification software
- Accelerated diagnostic imaging decision
- Quantitative imaging assessment of drug response

The archive provides access to imaging resources that improve the use of imaging in today's cancer research and practice. This access increases the efficiency and reproducibility of imaging cancer detection and diagnosis, leverages imaging to provide an objective assessment of therapeutic response, and ultimately enables the development of imaging resources that will lead to improved clinical decision support.

Clinical trials, physicians and other researchers submit images to NBIA using the CTP (Clinical Trial Processing) software. Any potential user can then access NBIA to search for and download images and associated annotation files.

Images are stored in the medical image standard, Digital Imaging and Communications in Medicine (DICOM). A DICOM file stores the digital image along with a series of tags that contain metadata about the image such as patient ID, study ID, patient weight, anatomic site, and so forth. [More information about DICOM](#) .



### Refresh button

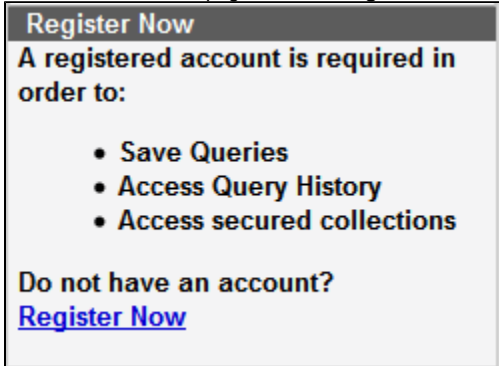
The NBIA application does not support the refresh button. You are encouraged to refrain from using it when in the application.

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## Registering a New User

To access both the NBIA wiki and the archive of DICOM images, you must follow these steps to register as a new user.

1. On the NBIA welcome page, click the **Register Now** link in the Register Now panel as shown below.



The legal provisions page appears.

2. Review the text on the page and click the link at the bottom to indicate your agreement and continue. The registration form appears.

**User Registration**

\* Mandatory Fields

USER REGISTRATION

NAME

Title:

\* First Name:

\* Last Name:

CONTACT INFORMATION

\* Email:

\* Phone:

Fax:

\* Organization Name:

BRIEF DESCRIPTION OF YOUR REQUEST:

Please limit your description to 4000 characters.

☐ Also register me for the NBIA user group email list.

The legal provisions page appears.

3. Enter information for the new user. Required fields are preceded by an asterisk. Do not include special characters in your username, but your password can have special characters.
4. Click **Register** to continue or **Cancel** to return to the homepage.  
The NBIA administrator reviews your registration and creates the new account. Once you confirm the account registration, your account is registered. For more information, see [Creating a New NBIA User](#).

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## Using NBIA Without Logging In

You do not have to log in to access public data in NBIA. Simply begin to use the features on the Welcome page.

You can use the search function as a "guest" without logging in. All data that NBIA returns without being logged in is public. As a guest, you can add data to the data basket. For more information, see [Working with the Data Basket](#).

If you are not logged into the application, some functions are unavailable; these are saving a search query, viewing saved queries, viewing query histories, and managing saved queries. You also cannot download more than 3 gigabytes of data at one time.

If the application is configured to enable the guest account access, the login section will be "hidden" by the login link by default. Additionally, you should be able to see the **Search Image** link on the home page.



### Bypassing Login

In some cases of local installation, the decision may have been made not to enable public data access without login. If the application is configured to disable the guest account access, the login section is "expanded" by default. If that's the case, there is no way for the user to bypass login and perform tasks.

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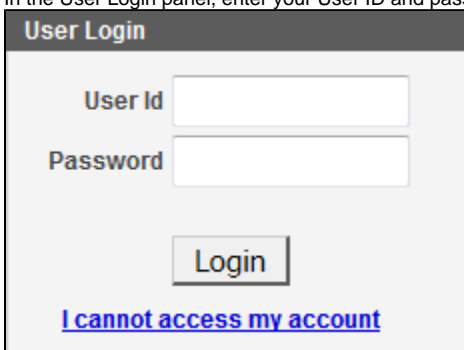
## Logging into NBIA

Open the [NBIA](#) data portal. The welcome page appears.

If you do not have a User ID or password, click **Register Now** to apply for a user account. For more information, see [Registering a New User](#).

If you have already registered, perform the following steps to log in.

1. In the User Login panel, enter your User ID and password.



The User Login panel is a light gray rectangular box. At the top, it has a dark gray header with the text "User Login" in white. Below the header, there are two white input fields. The first is labeled "User Id" and the second is labeled "Password". Below these fields is a gray button with the text "Login" in white. At the bottom of the panel, there is a blue hyperlink that says "I cannot access my account".

2. Click **Login**. If your login is successful, the data portal appears.



#### Tip

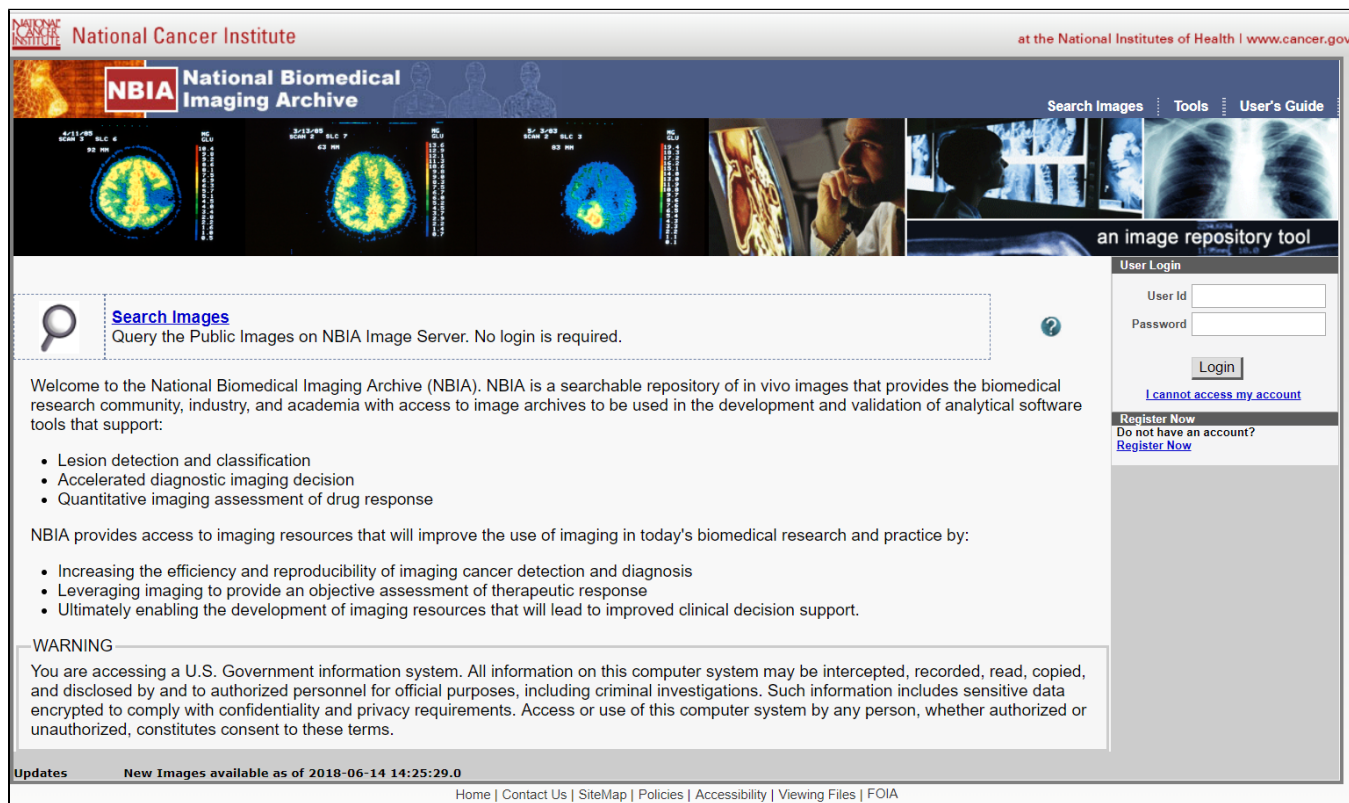
NBIA uses popups. To prevent problems accessing the application, in your browser, enable a popup blocker exception for <https://imaging.nci.nih.gov/ncia/login.jsf>.

If you have persistent difficulty logging in, click **I cannot access my account** on the NBIA login page. An NBIA account help topic opens, describing help options for resolving your login problem. Alternately, contact [Application Support](#).

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## Using the NBIA Home Page

When you first open the NBIA Data Portal, you can search for images without logging in.



The NBIA National Biomedical Imaging Archive homepage features a header with the National Cancer Institute logo and the text "National Biomedical Imaging Archive". Below the header is a banner with various medical images, including brain scans and a person's face. The main content area includes a search bar with the text "Search Images" and a description: "Query the Public Images on NBIA Image Server. No login is required." Below the search bar is a welcome message: "Welcome to the National Biomedical Imaging Archive (NBIA). NBIA is a searchable repository of in vivo images that provides the biomedical research community, industry, and academia with access to image archives to be used in the development and validation of analytical software tools that support:" followed by a list of bullet points: "Lesion detection and classification", "Accelerated diagnostic imaging decision", and "Quantitative imaging assessment of drug response". Below this is a section titled "NBIA provides access to imaging resources that will improve the use of imaging in today's biomedical research and practice by:" followed by a list of bullet points: "Increasing the efficiency and reproducibility of imaging cancer detection and diagnosis", "Leveraging imaging to provide an objective assessment of therapeutic response", and "Ultimately enabling the development of imaging resources that will lead to improved clinical decision support." At the bottom, there is a "WARNING" section stating: "You are accessing a U.S. Government information system. All information on this computer system may be intercepted, recorded, read, copied, and disclosed by and to authorized personnel for official purposes, including criminal investigations. Such information includes sensitive data encrypted to comply with confidentiality and privacy requirements. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms." The footer includes the text "Updates New Images available as of 2018-06-14 14:25:29.0" and a navigation bar with links: "Home | Contact Us | SiteMap | Policies | Accessibility | Viewing Files | FOIA".

After you log in, you have more options.

National Cancer Institute
at the National Institutes of Health | [www.cancer.gov](http://www.cancer.gov)

**NBIA** National Biomedical Imaging Archive

[Home](#) | [Search Images](#) | [Manage Data Basket](#) | [Tools](#) | [User's Guide](#) | [Logout](#) | [Klingerc](#)

**Search Images**  
Choose to query the NBIA Image Server using a [Simple Search](#) , [Text Search](#) or [Advanced Search](#)

**Manage Data Basket**  
Manage the information in your data basket.

**Updates**  
New Images available as of 2018-06-14 14:25:29.0

**NCI CBITT Application Support**  
Please contact NCI CBITT Application Support group at 240-276-5541 or at [ncicbitt@mail.nih.gov](mailto:ncicbitt@mail.nih.gov) for any questions and suggestions regarding this image repository.

Options available from this page and links to more information about them follow.

Menu	Menu Option	Description	For more information, see
Home		Return to the NBIA home page.	
Search Images	Simple Search	Open the Simple Search page.	<a href="#">Performing a Simple Search</a>
	Text Search	Open the Text Search page.	<a href="#">Performing a Text Search</a>
	Advanced Search	Open the Advanced Search page.	<a href="#">Performing an Advanced Search</a>
Manage Data Basket		Open the My Data Basket page. This is the same option as choosing <b>Manage Data Basket</b> from the menu bar.	<a href="#">Managing the Data Basket</a>
Tools	List DICOM Image Viewers	Open a page displaying links to freeware DICOM image viewers.	<a href="#">Obtaining DICOM Viewers</a>
	View Saved Queries	Open the Saved Queries page.	<a href="#">Working with Saved Queries</a>
	View Query History	Open the Query History page.	<a href="#">Viewing Query History</a>
	Create Shared List	Open the Create Shared List page.	<a href="#">Creating a Shared List</a>
	Edit Shared List	Open the Edit Shared List page.	<a href="#">Editing a Shared List</a>
	Search Shared List	Open the Search Shared List page.	<a href="#">Searching a Shared List</a>
Admin	Perform QC	Evaluate a submission and assign a QC status.  Only administrative users have access to this menu. If you believe you should have access, contact <a href="#">Application Support</a> .	<a href="#">Using the Quality Control (QC) Tool</a>
	Approve Deletions	Approve the deletion of image series marked for deletion.	<a href="#">Approving Image Deletions</a>
	Manage Shared List	Delete shared lists created by other users.	<a href="#">Managing a Shared List</a>
	View Submission Reports	Run reports to verify that images have been received and to monitor the status of the submitted images.	<a href="#">Viewing Submission Reports</a>
	Perform Online Deletions	Immediately remove images that are marked as approved for deletion.	<a href="#">Manually Deleting Image Series</a>
	Edit Collection Descriptions	Add a brief description for a collection so that NBIA users know what data is in the collection.	<a href="#">Editing a Collection Description</a>
	Manage Workflow Items	Create, edit, and delete workflow items that involve changing the visibility status of an image series and/or trigger a web service call to a URL.	<a href="#">Managing Workflow Items</a>
	Manage Saved Queries	Review and delete saved queries.	<a href="#">Managing Saved Queries</a>
Support		Open a browser window with support options.	<a href="#">Application Support</a>
Logout		Log out of NBIA and return to the NBIA home page.	

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## Using NBIA Online Help

The NBIA online help retrieves topics from the *NBIA User's Guide*. It explains how to use all of the features of the NBIA data portal.



### Not logged in?

You can open the user's guide without being logged into NBIA.

Click **Help > User Guides** in the top menu bar to open the *NBIA User's Guide* on the NCI wiki.



On any application page, click  to open the help topic that applies to features available on that NBIA page.

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