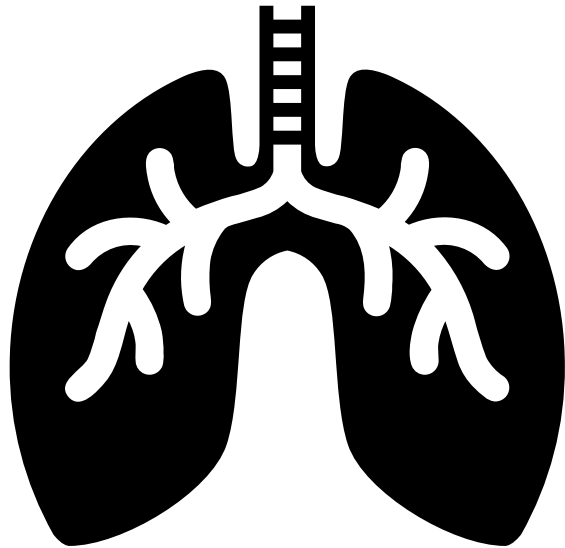
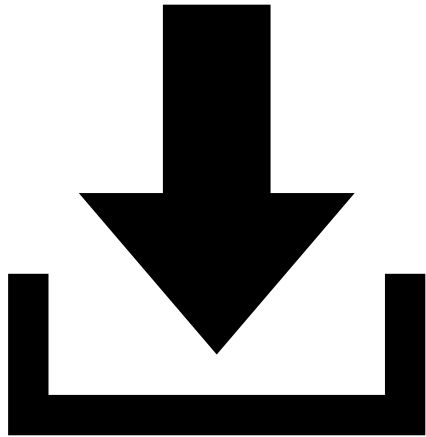


# NIOSH BViewer



Use the NIOSH BViewer software to view chest radiographs and create ILO classification reports for detecting pneumoconiosis. You can also use Bviewer to see sample radiographs from the B Reader syllabus to study for the exam.

The following slides show steps on how to install and start using the NIOSH BViewer and syllabus radiographs.



# Download Files

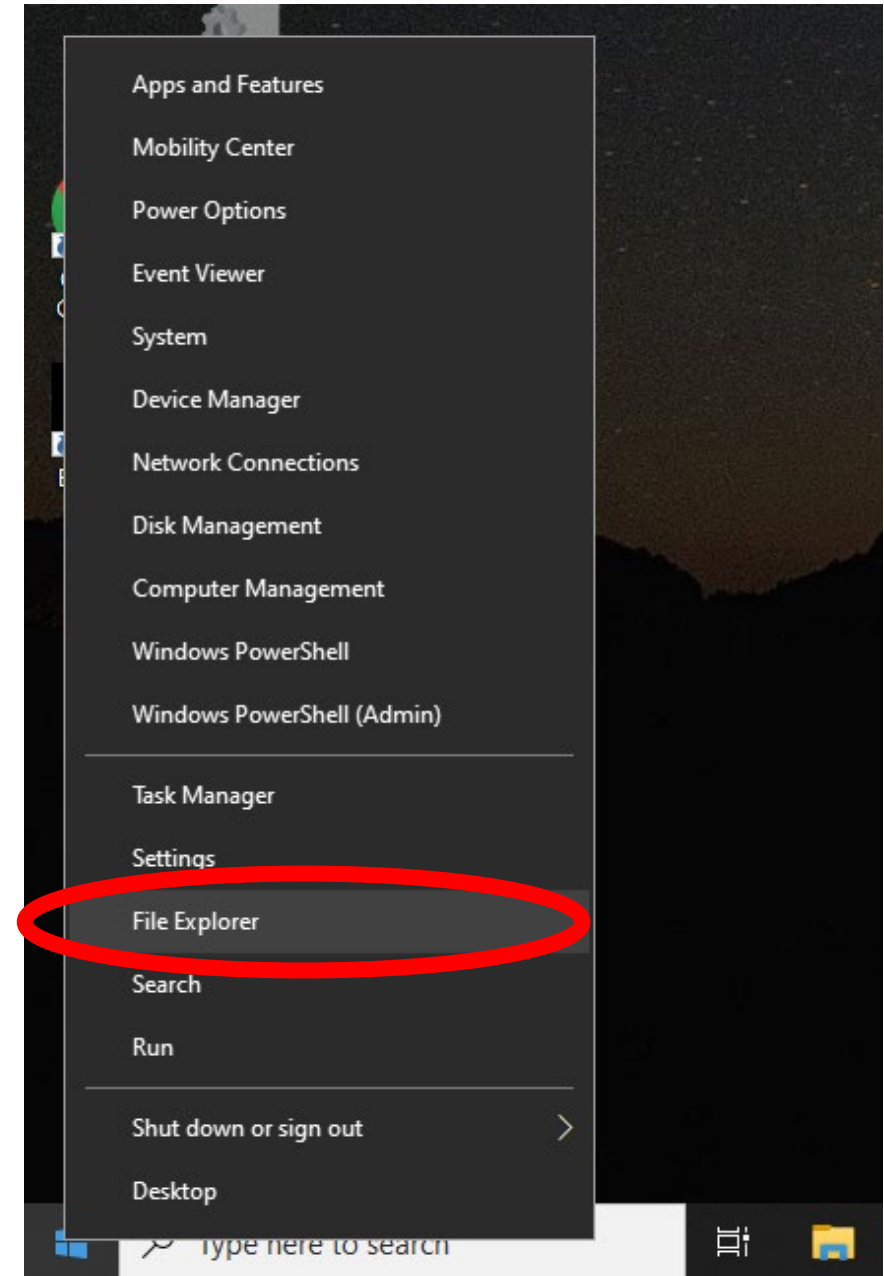
Parts of the NIOSH Study Syllabus require you to install software and radiographs. **You will need to view or download each part.** Click on each link from these instructions to save the files to your Downloads folder.

- View the [NIOSH Study Syllabus](#) on the CDC website. Mark this as a bookmark or favorite in your web browser.
- Download the [NIOSH BViewer](#) (Windows only). All B Reader Exams given at NIOSH Morgantown, WV utilize NIOSH BViewer software.
- Download the [Syllabus and ILO Standard Radiographs for BViewer only](#).
- Download the [Syllabus Radiograph Answer Keys](#) (PDF). Radiographs 1 through 19 do not have answer keys. They are described in the syllabus. (Revised 9/28/2023)

**NOTE:** It is easier to study on a workstation with multiple monitors or a wide screen. You will likely have several windows or browser tabs open to toggle between the syllabus, sample radiographs, standards, and answer keys.

# Download Files

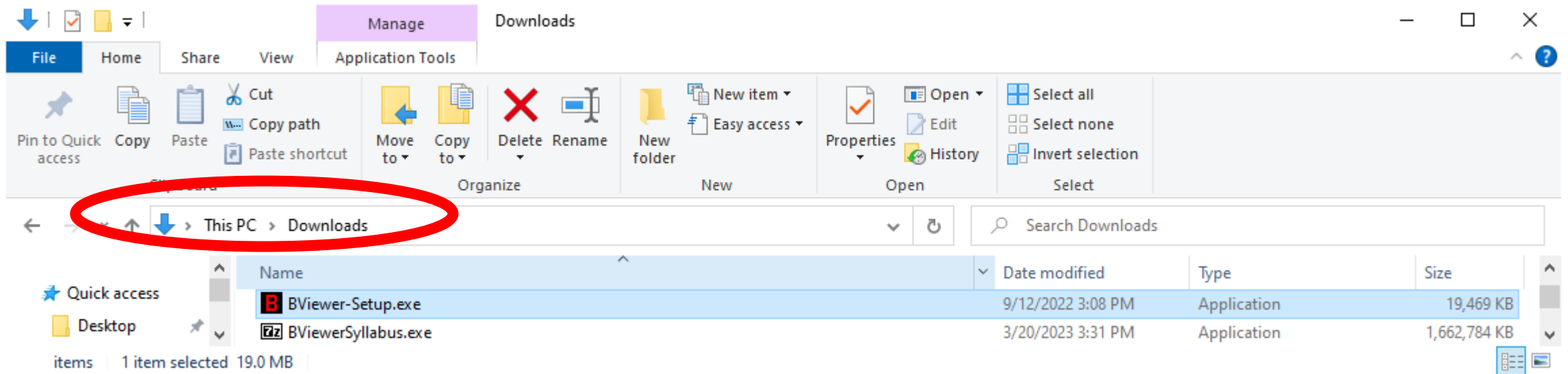
- Right click on the Windows Start button.
- Open the File Explorer.



# Download Files

- Locate the Downloads folder under Quick Access or This PC.
- Click on Downloads.

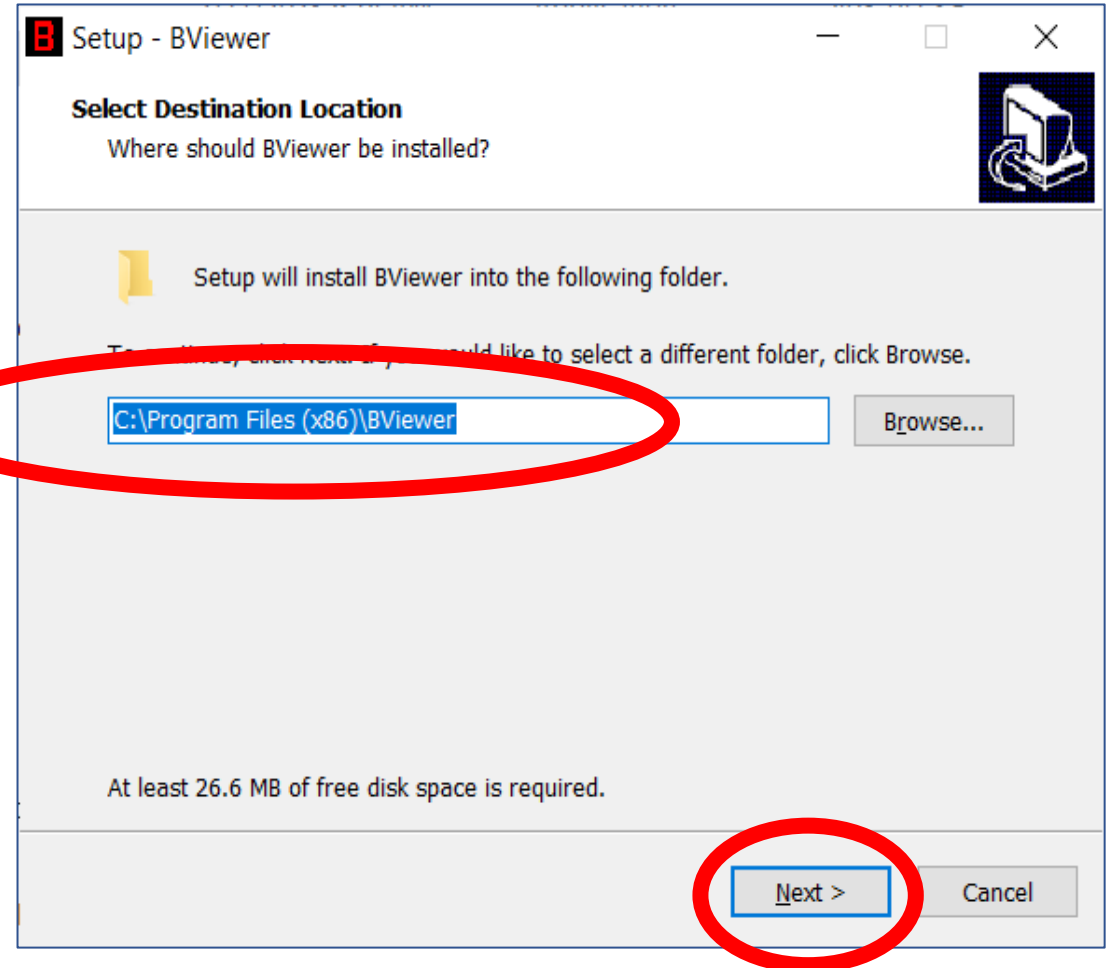
You should see the 2 files that you downloaded earlier, along with other downloads on your computer.



# Install BViewer

- Open BViewer-setup.exe from the Downloads folder.
- Install in the default folder "C:\Program Files (x86)\BViewer\."
- Click Next

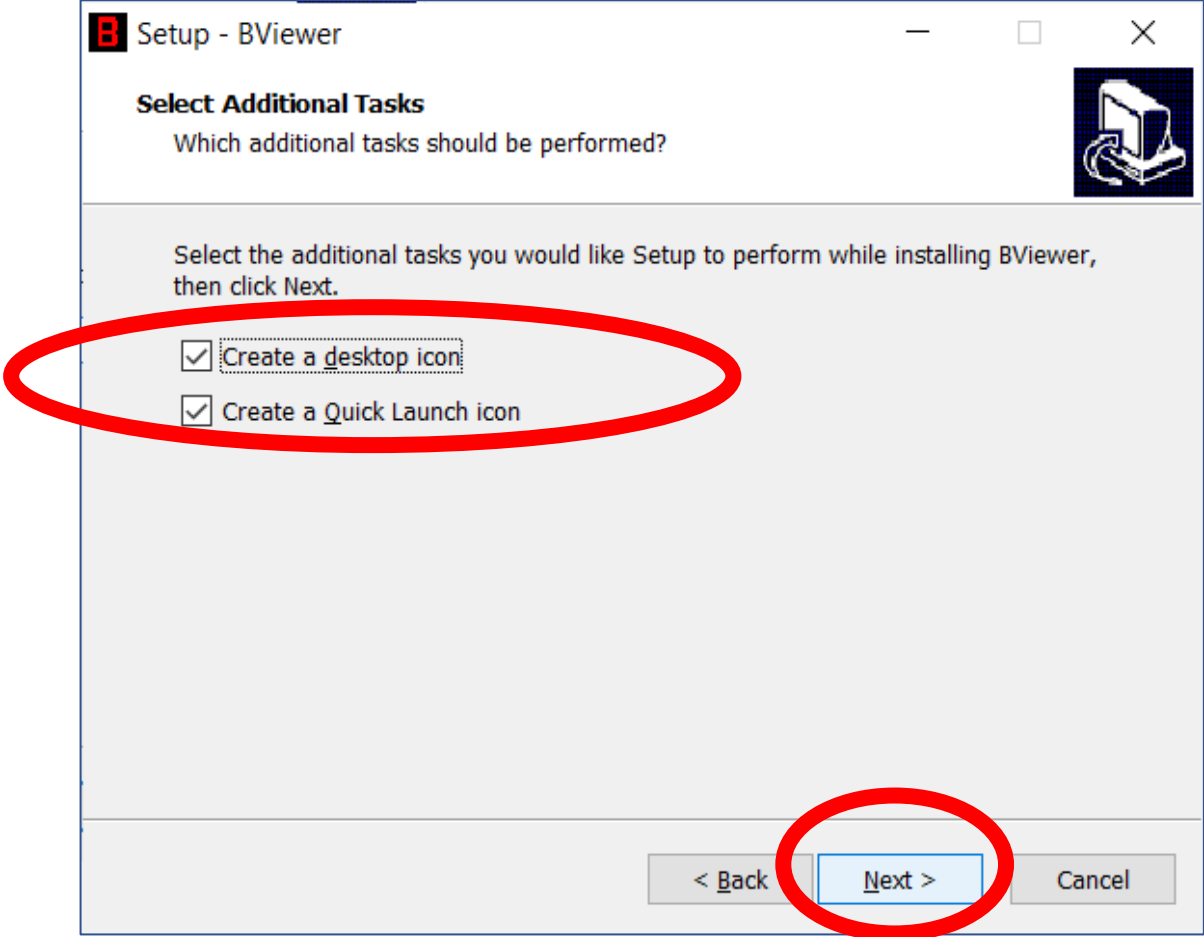
You will need administrator rights to install BViewer.



# Install BViewer

BViewer will create a desktop icon and quick launch icon.

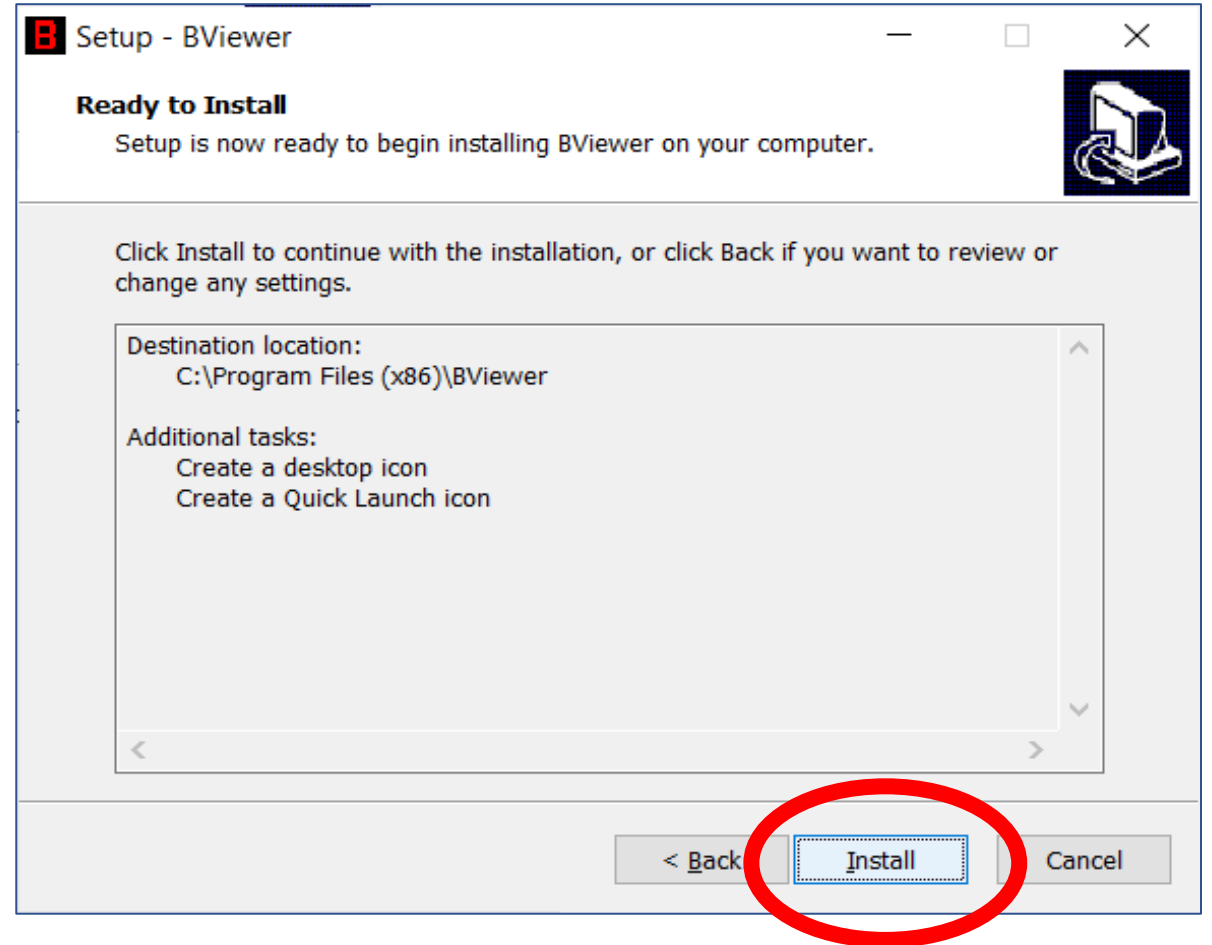
- Click Next



# Install BViewer

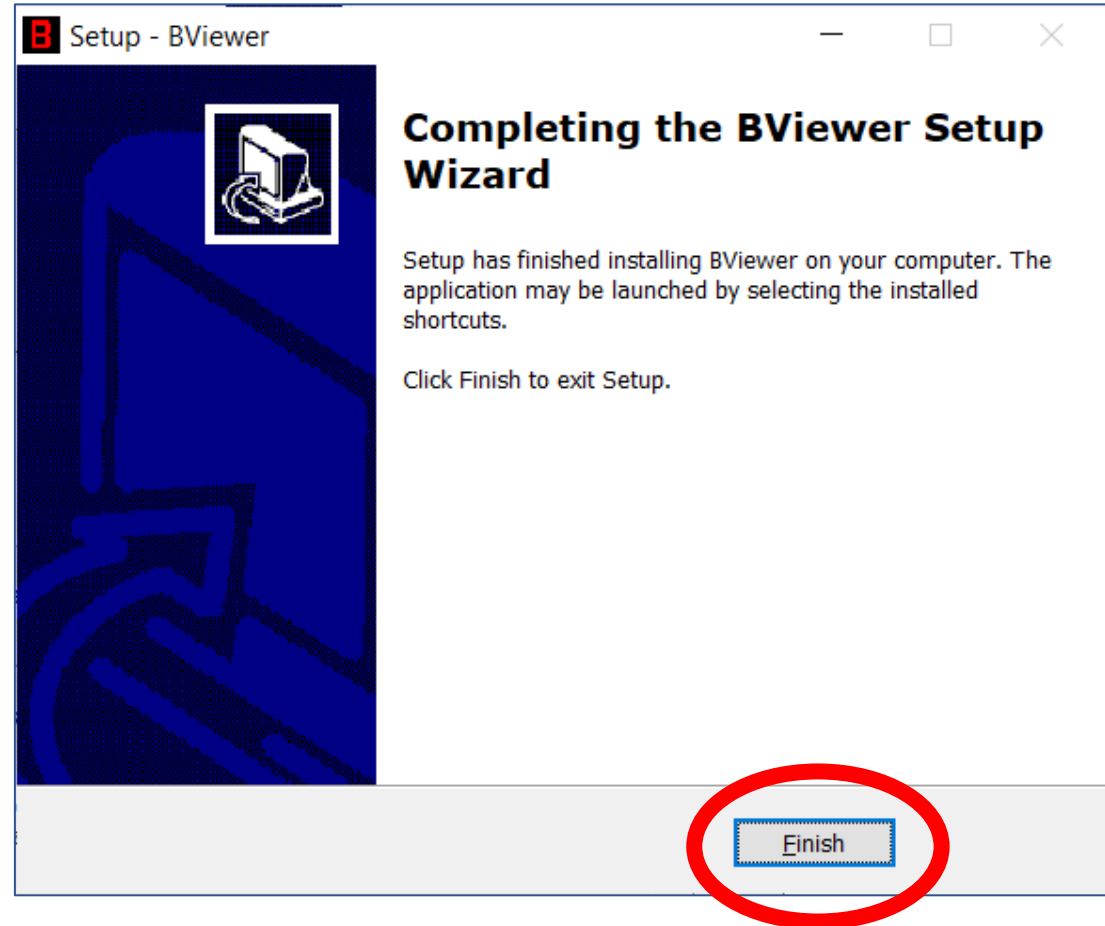
BViewer is now ready to install.

- Click Install



# Install BViewer

- Click Finish to close the installer.

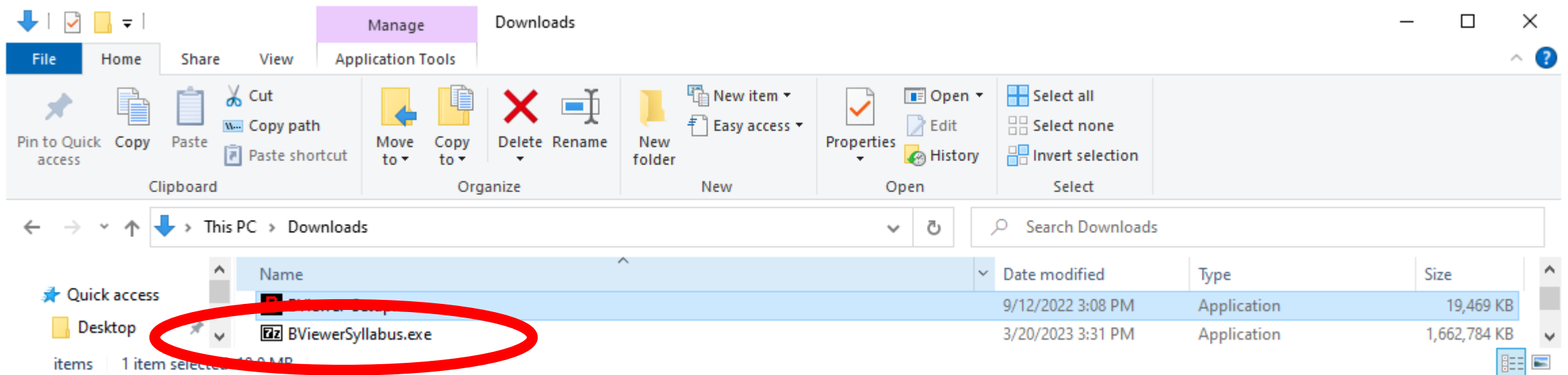




# Install Syllabus & ILO Standard Radiographs

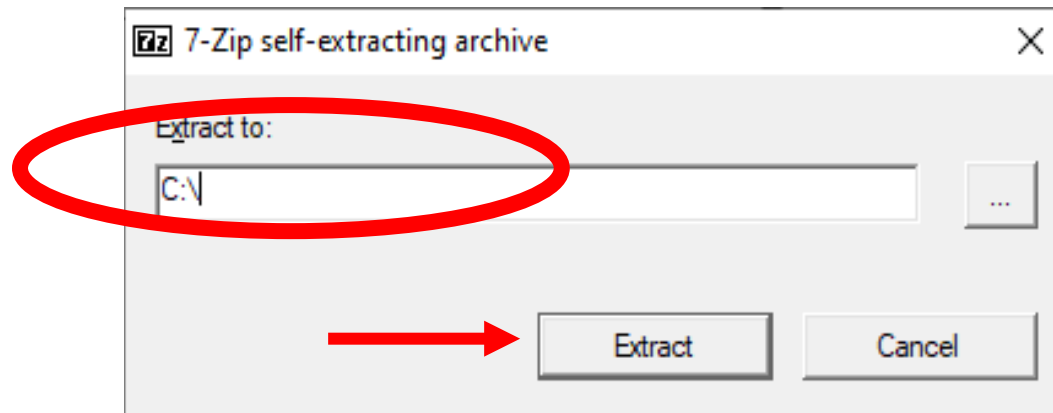
- Open BViewerSyllabus.exe from the Downloads folder.

This is a self extractable 7-Zip file that will install the radiographs in BViewer.



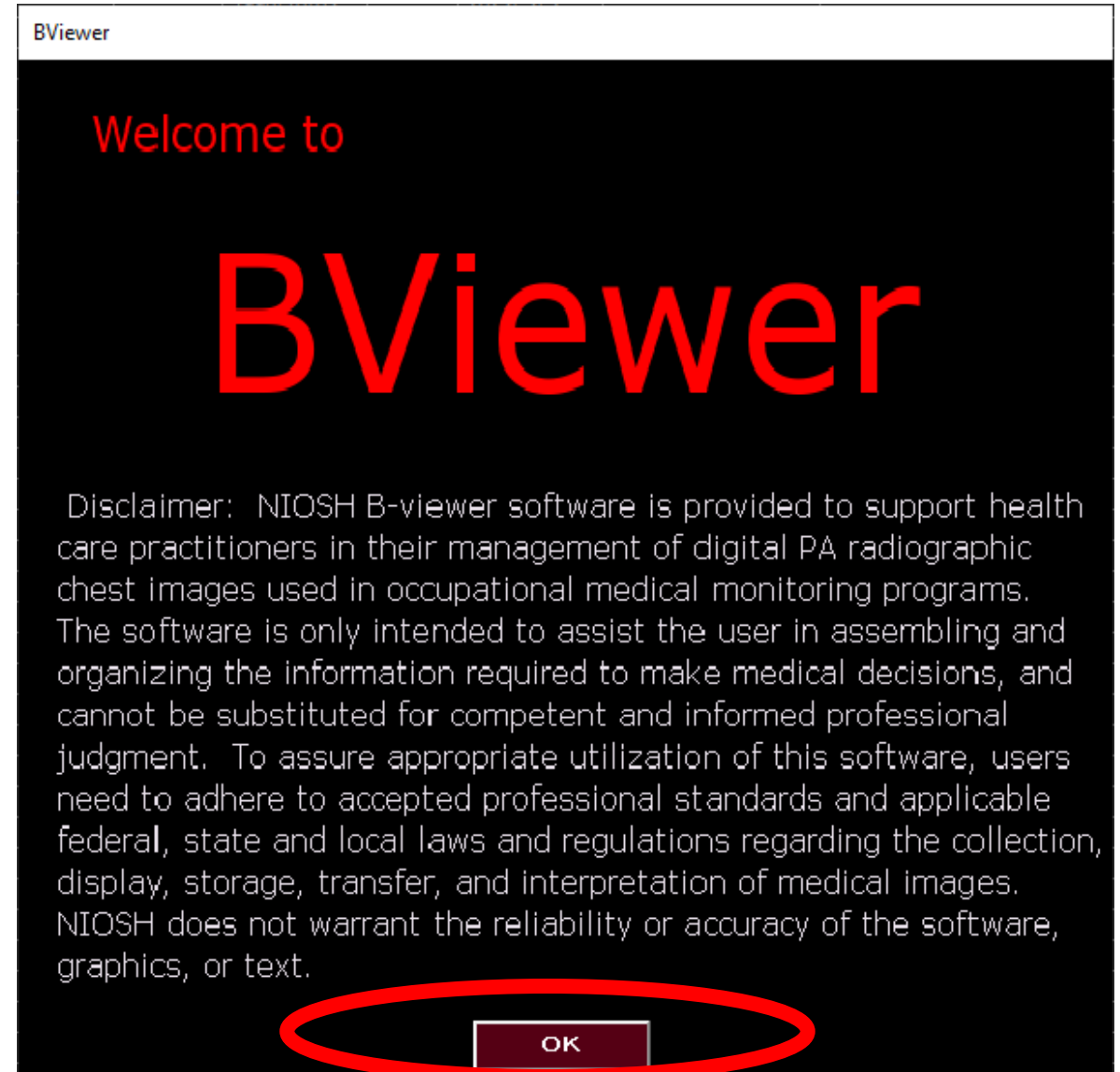
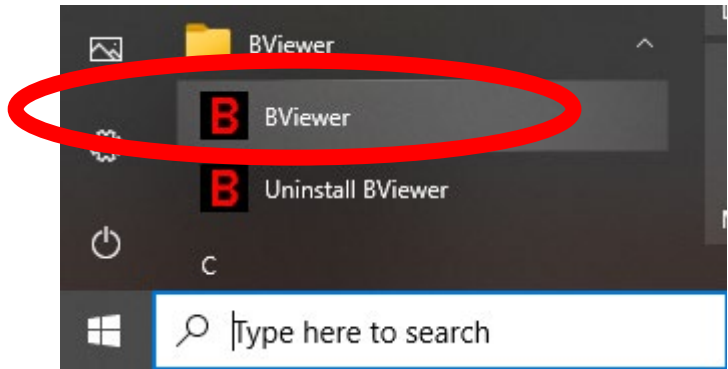
# Install Syllabus & ILO Standard Radiographs

- Change the destination folder to C:\.
- Click Extract
- When prompted, overwrite any files (i.e. BViewer.cfg) that already exist.



# Open BViewer

- Open BViewer from the Windows Start Menu.
- Click OK on the disclaimer.

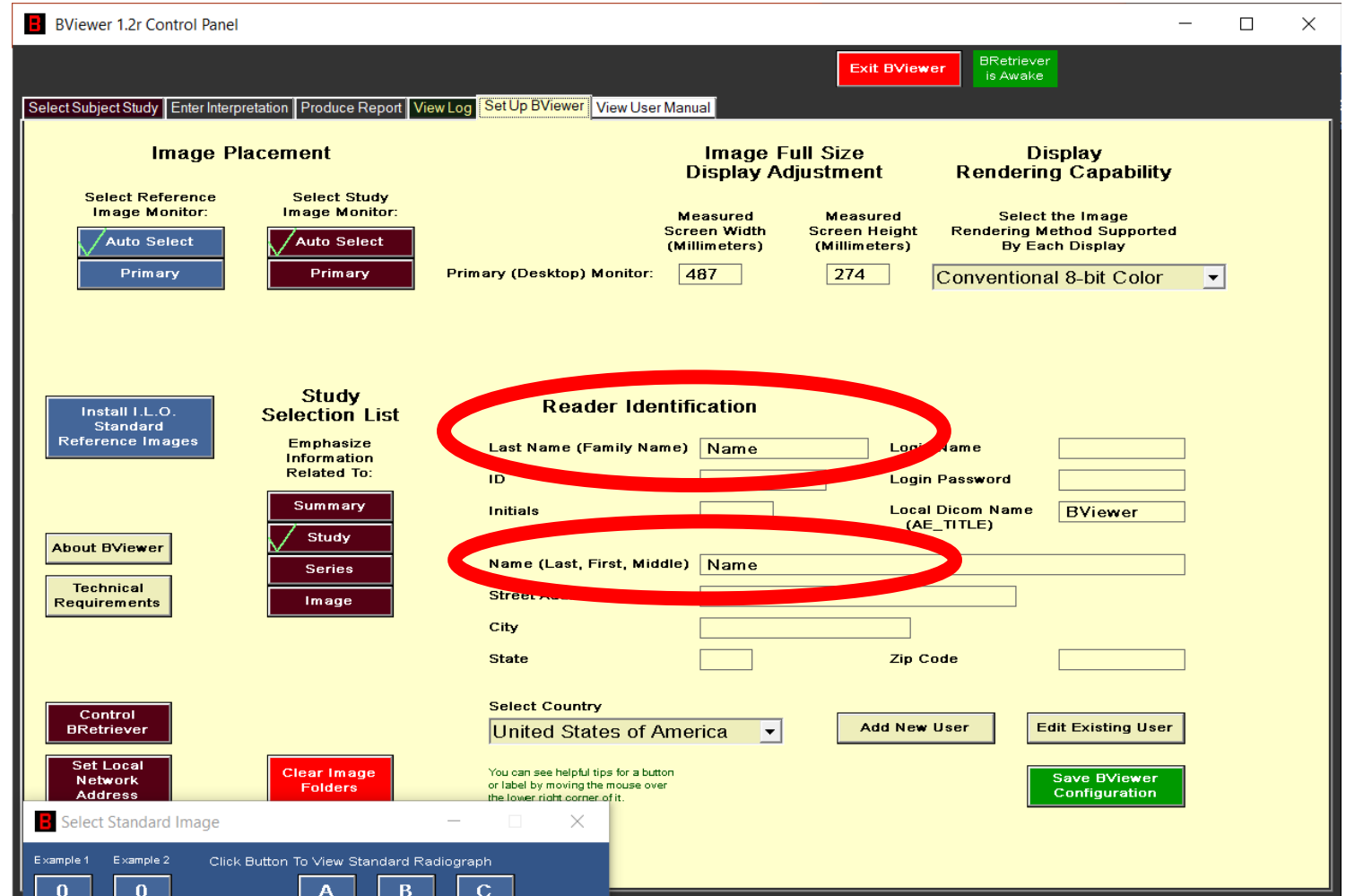


# Setup BViewer

Under Reader Identification:

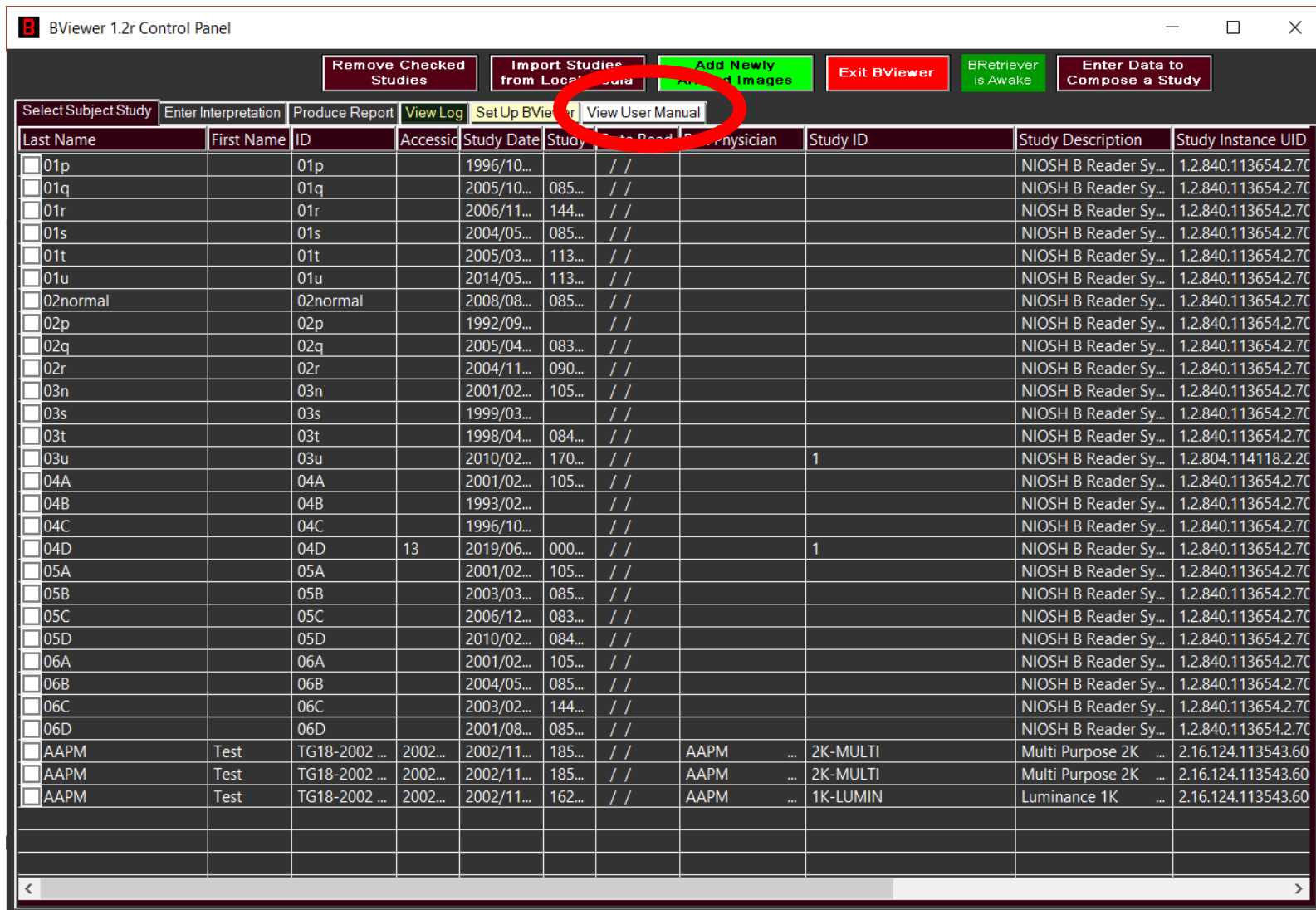
- Enter a last name only.
- Enter a full name only.

Everything else can be left blank for the syllabus.



# Viewing and Manipulating Images

- View User Manual starting with Viewing and Manipulating Images.



BViewer 1.2r Control Panel

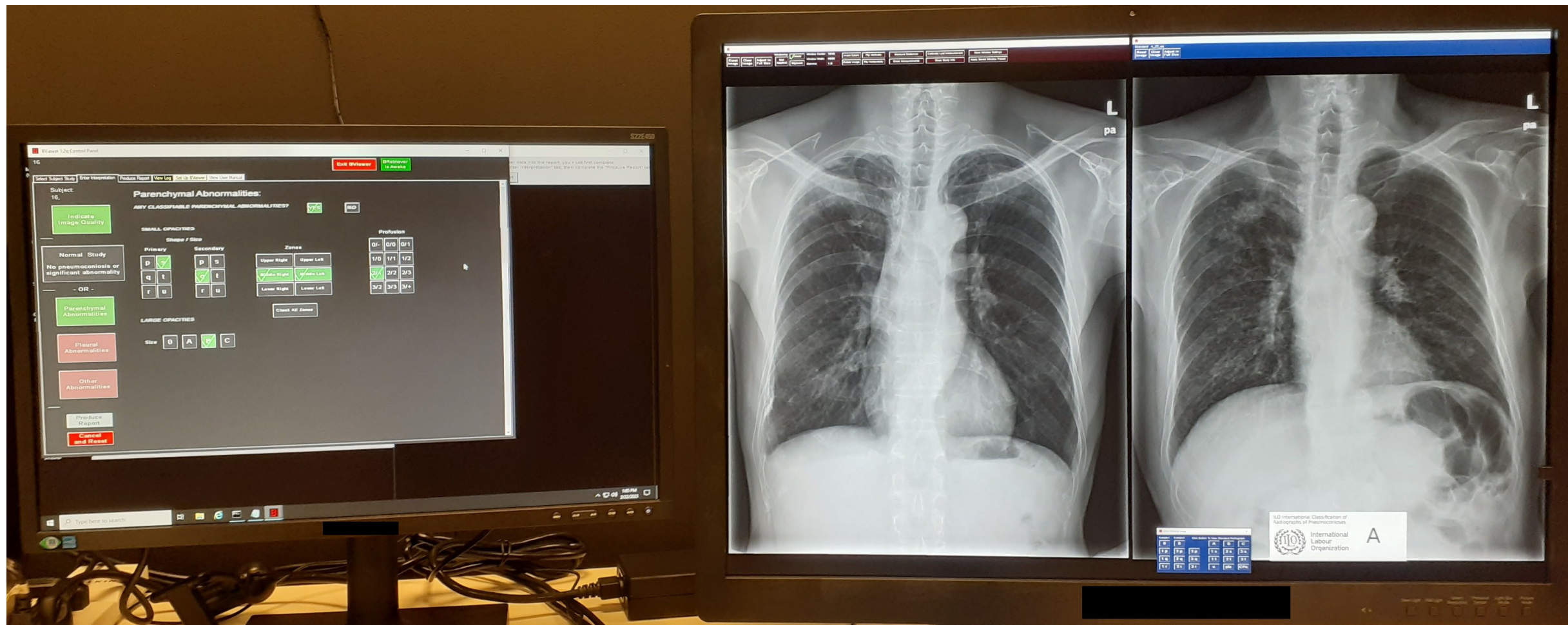
Remove Checked Studies | Import Studies from Local Data | Add Newly Acquired Images | Exit BViewer | BRetriever is Awake | Enter Data to Compose a Study

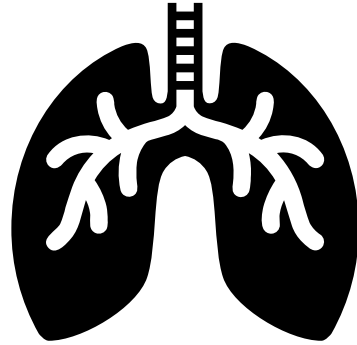
Select Subject Study | Enter Interpretation | Produce Report | View Log | Set Up BViewer | **View User Manual**

Last Name	First Name	ID	Accession	Study Date	Study Date Read	Physician	Study ID	Study Description	Study Instance UID
<input type="checkbox"/>	01p	01p		1996/10...	//			NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	01q	01q		2005/10...	085...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	01r	01r		2006/11...	144...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	01s	01s		2004/05...	085...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	01t	01t		2005/03...	113...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	01u	01u		2014/05...	113...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	02normal	02normal		2008/08...	085...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	02p	02p		1992/09...	//			NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	02q	02q		2005/04...	083...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	02r	02r		2004/11...	090...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	03n	03n		2001/02...	105...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	03s	03s		1999/03...	//			NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	03t	03t		1998/04...	084...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	03u	03u		2010/02...	170...	//	1	NIOSH B Reader Sy...	1.2.804.114118.2.2C
<input type="checkbox"/>	04A	04A		2001/02...	105...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	04B	04B		1993/02...	//			NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	04C	04C		1996/10...	//			NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	04D	04D	13	2019/06...	000...	//	1	NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	05A	05A		2001/02...	105...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	05B	05B		2003/03...	085...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	05C	05C		2006/12...	083...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	05D	05D		2010/02...	084...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	06A	06A		2001/02...	105...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	06B	06B		2004/05...	085...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	06C	06C		2003/02...	144...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	06D	06D		2001/08...	085...	//		NIOSH B Reader Sy...	1.2.840.113654.2.7C
<input type="checkbox"/>	AAPM	Test	TG18-2002 ...	2002...	2002/11...	185...	//	AAPM ... 2K-MULTI	Multi Purpose 2K ... 2.16.124.113543.60
<input type="checkbox"/>	AAPM	Test	TG18-2002 ...	2002...	2002/11...	185...	//	AAPM ... 2K-MULTI	Multi Purpose 2K ... 2.16.124.113543.60
<input type="checkbox"/>	AAPM	Test	TG18-2002 ...	2002...	2002/11...	162...	//	AAPM ... 1K-LUMIN	Luminance 1K ... 2.16.124.113543.60

# Sample Workstation

Below is a picture of a Bviewer workstation.





This is the end of the BViewer instructions.

**Questions?** Contact [CWHSP@cdc.gov](mailto:CWHSP@cdc.gov).