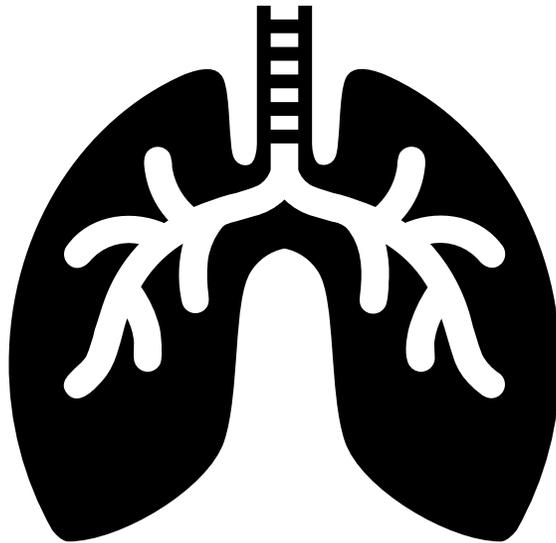
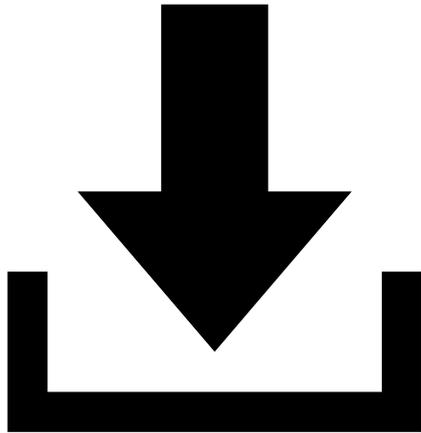


NIOSH BViewer



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

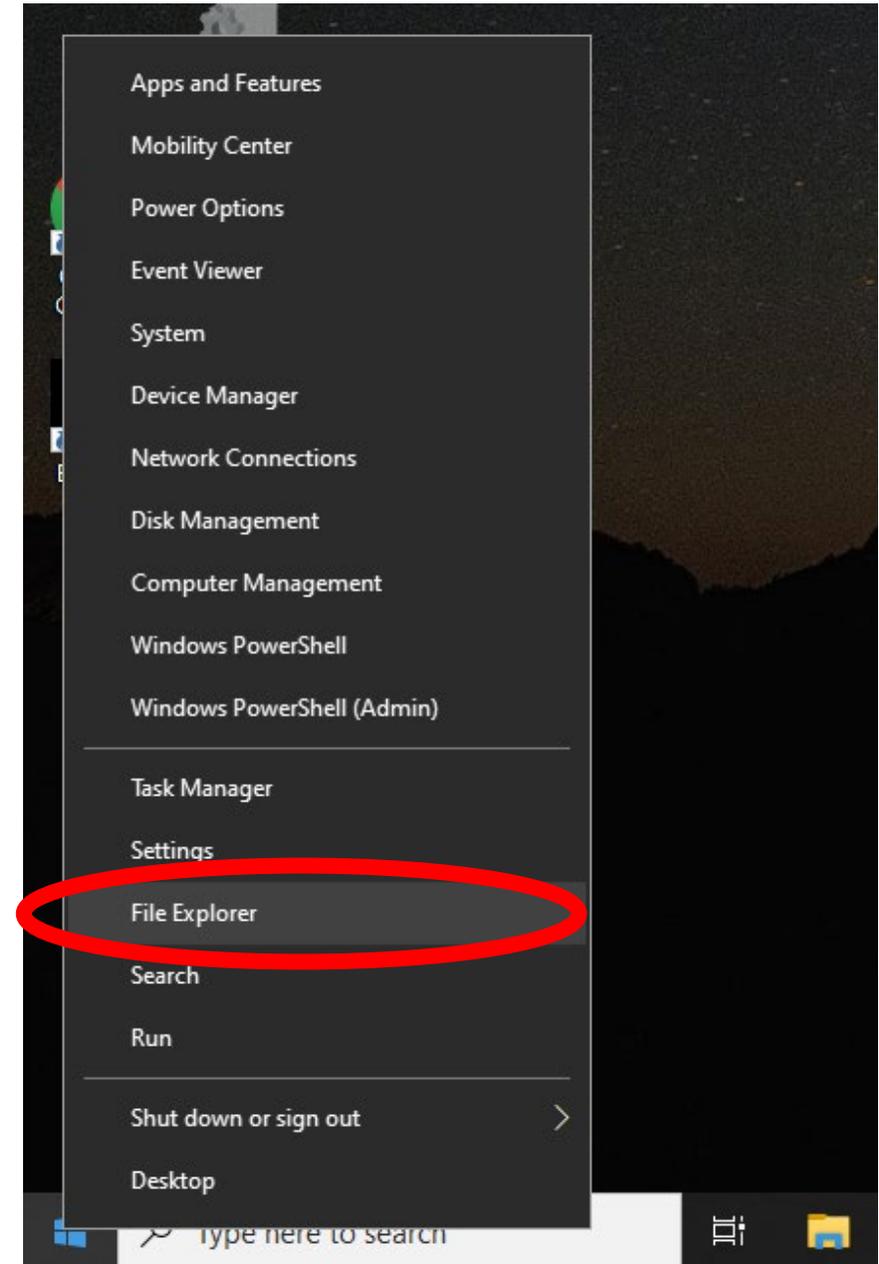
Parts of the NIOSH Study Syllabus require you to install software and radiographs. **You will need to view or download each part.** Click on each link from these instructions to save the files to your Downloads folder.

- 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 10/25/2024)

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

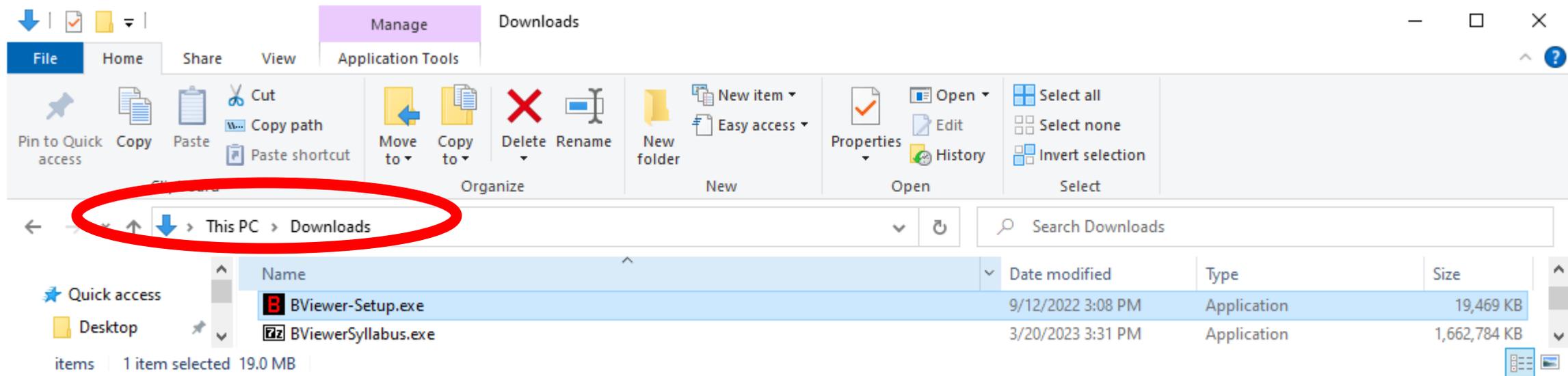
- Right click on the Windows Start button.
- Open the File Explorer.



Download Files

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

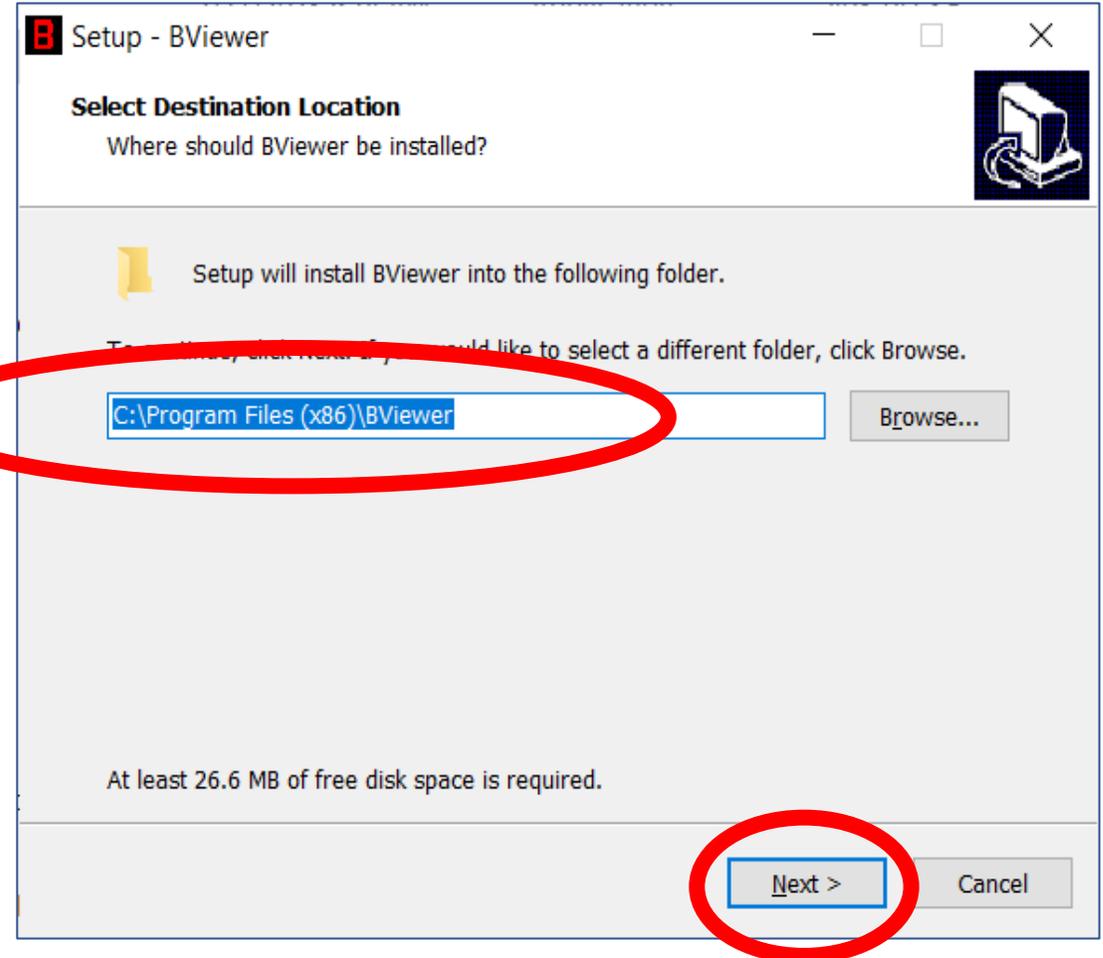
You should see the 2 files that you downloaded earlier, along with other downloads on your computer.



Install BViewer

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

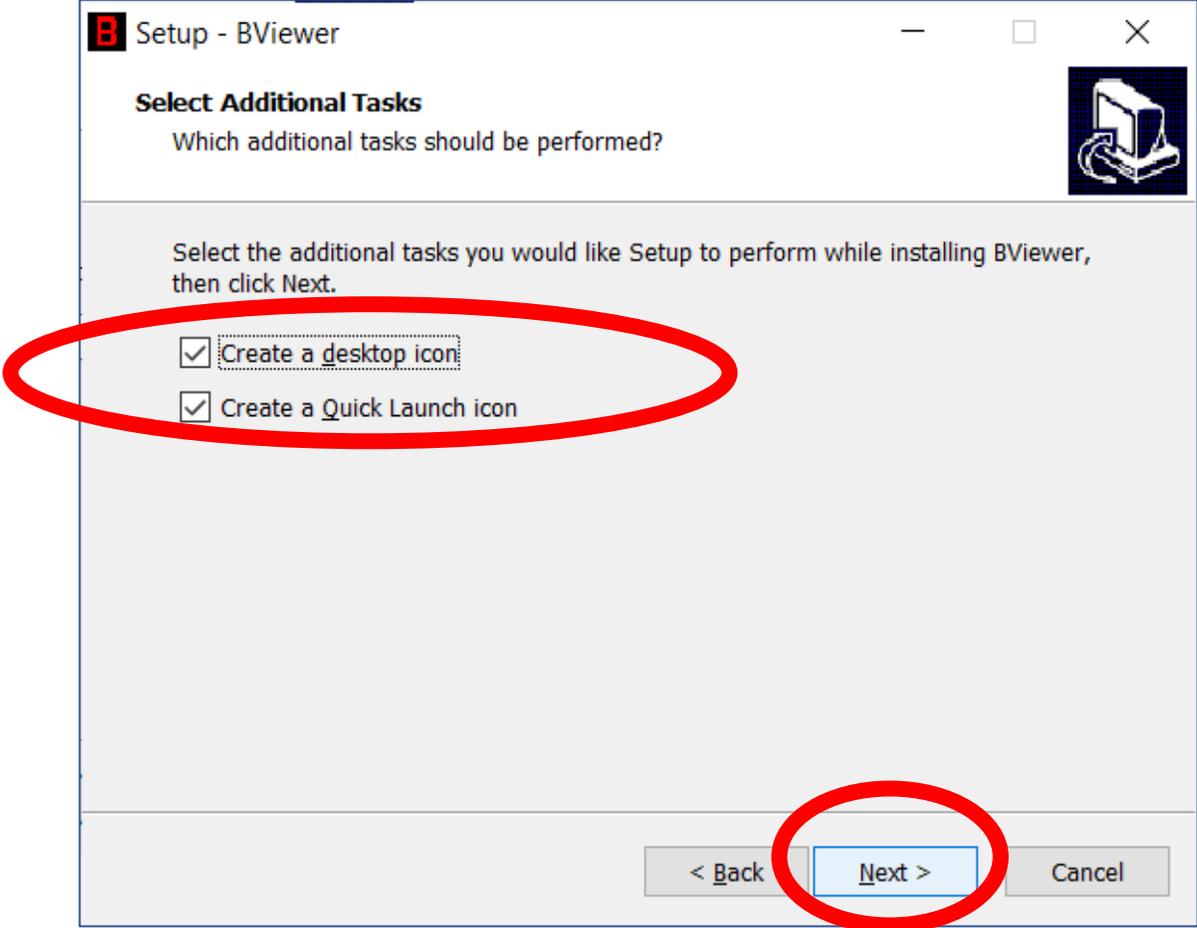
You will need administrator rights to install BViewer.



Install BViewer

BViewer will create a desktop icon and quick launch icon.

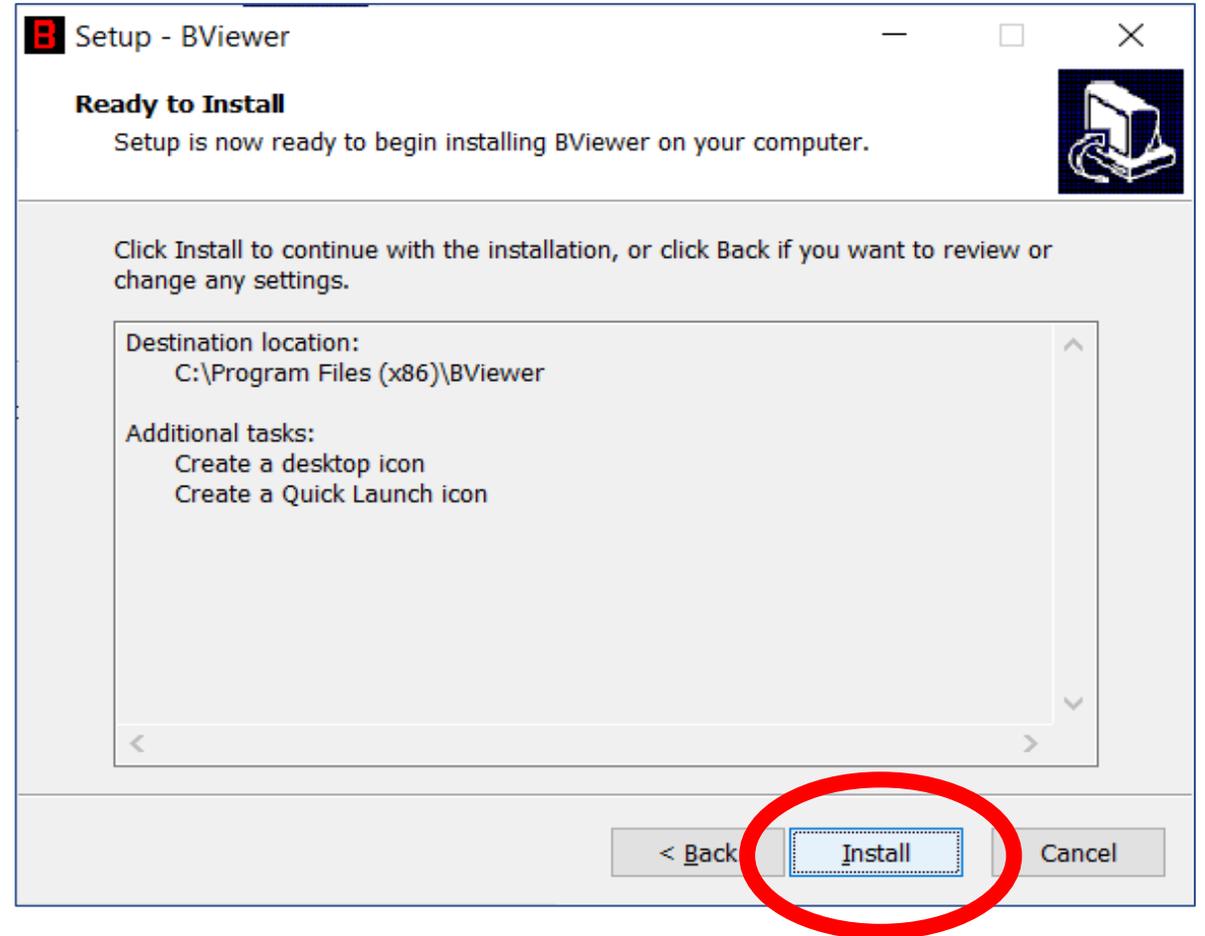
- Click Next



Install BViewer

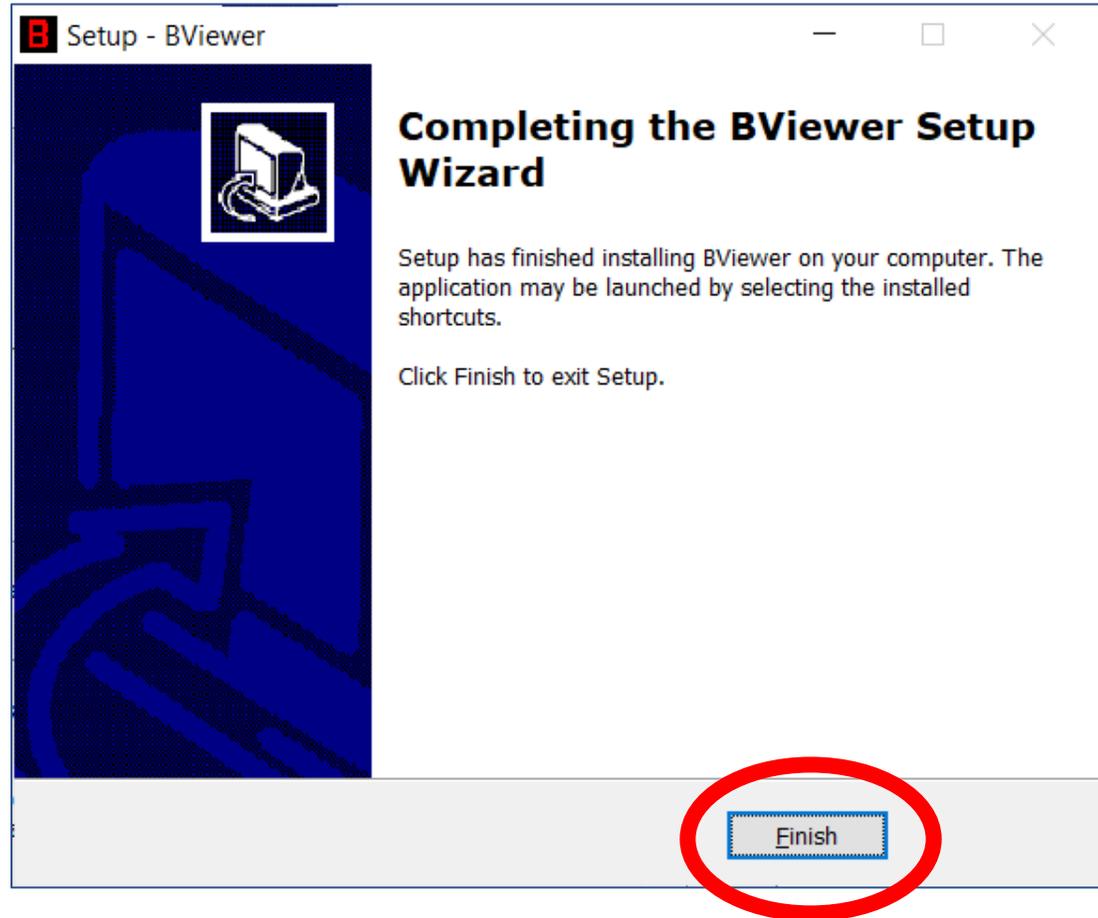
BViewer is now ready to install.

- Click Install



Install BViewer

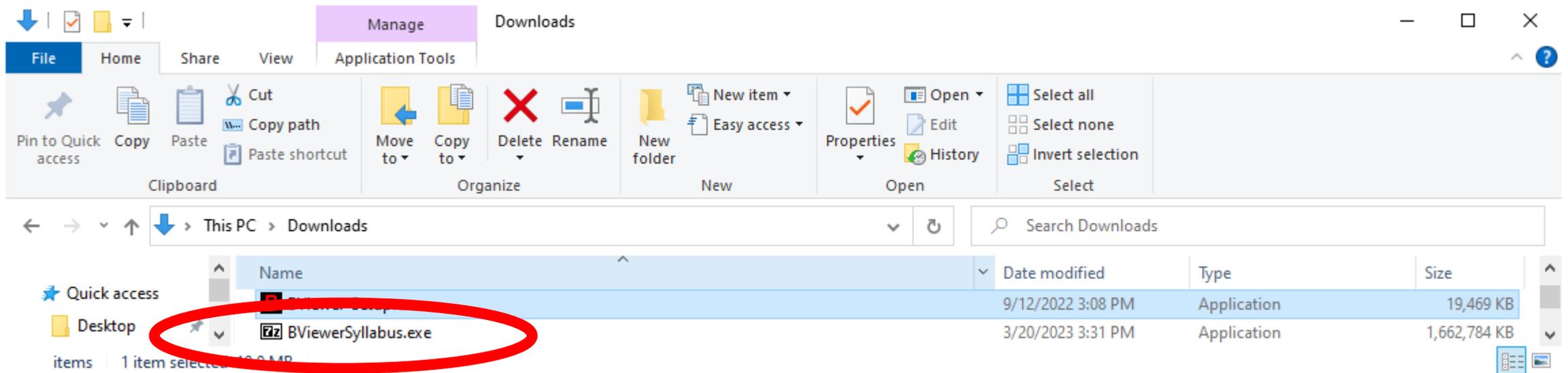
- Click Finish to close the installer.



Install Syllabus & ILO Standard Radiographs

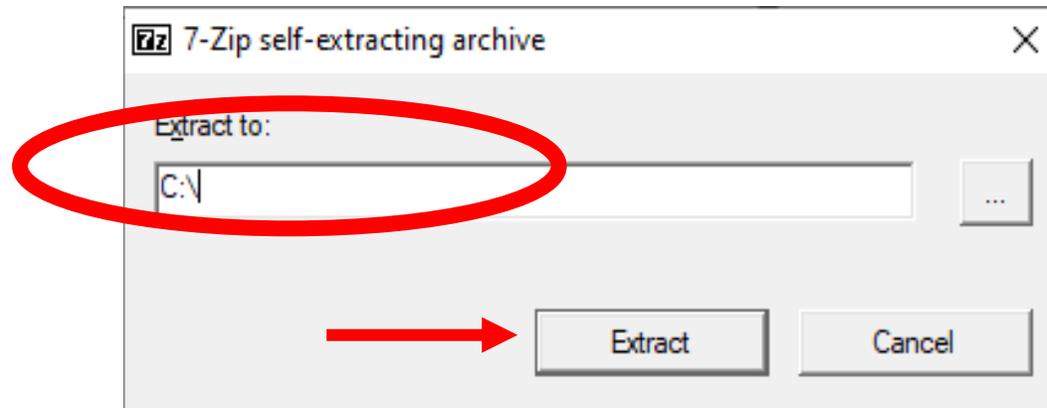
- Open BViewerSyllabus.exe from the Downloads folder.

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



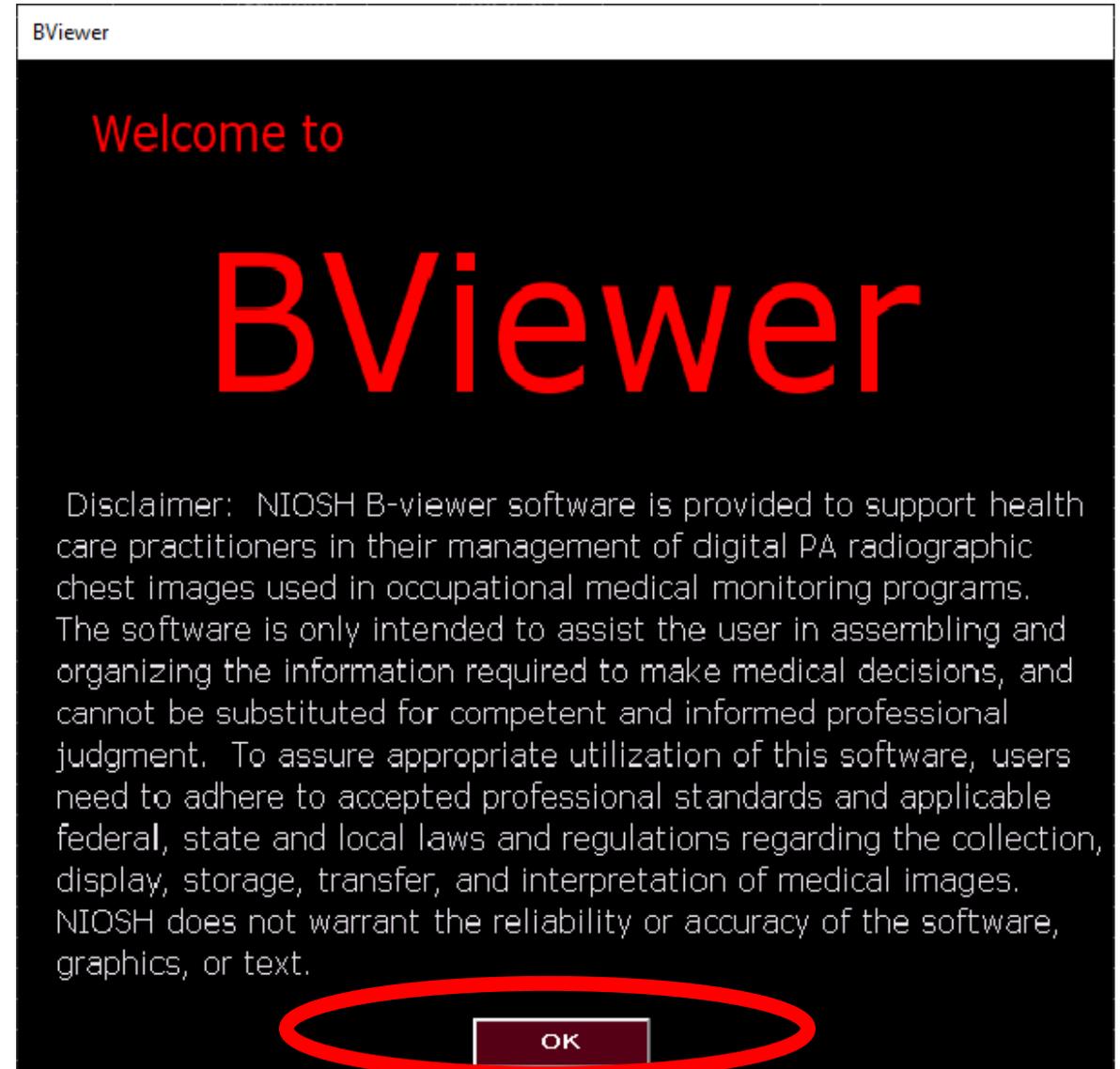
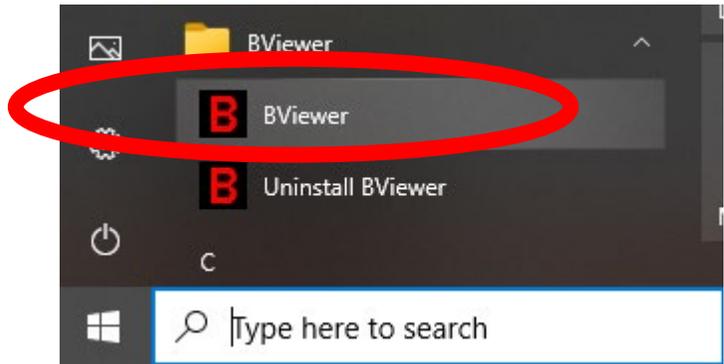
Install Syllabus & ILO Standard Radiographs

- 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.

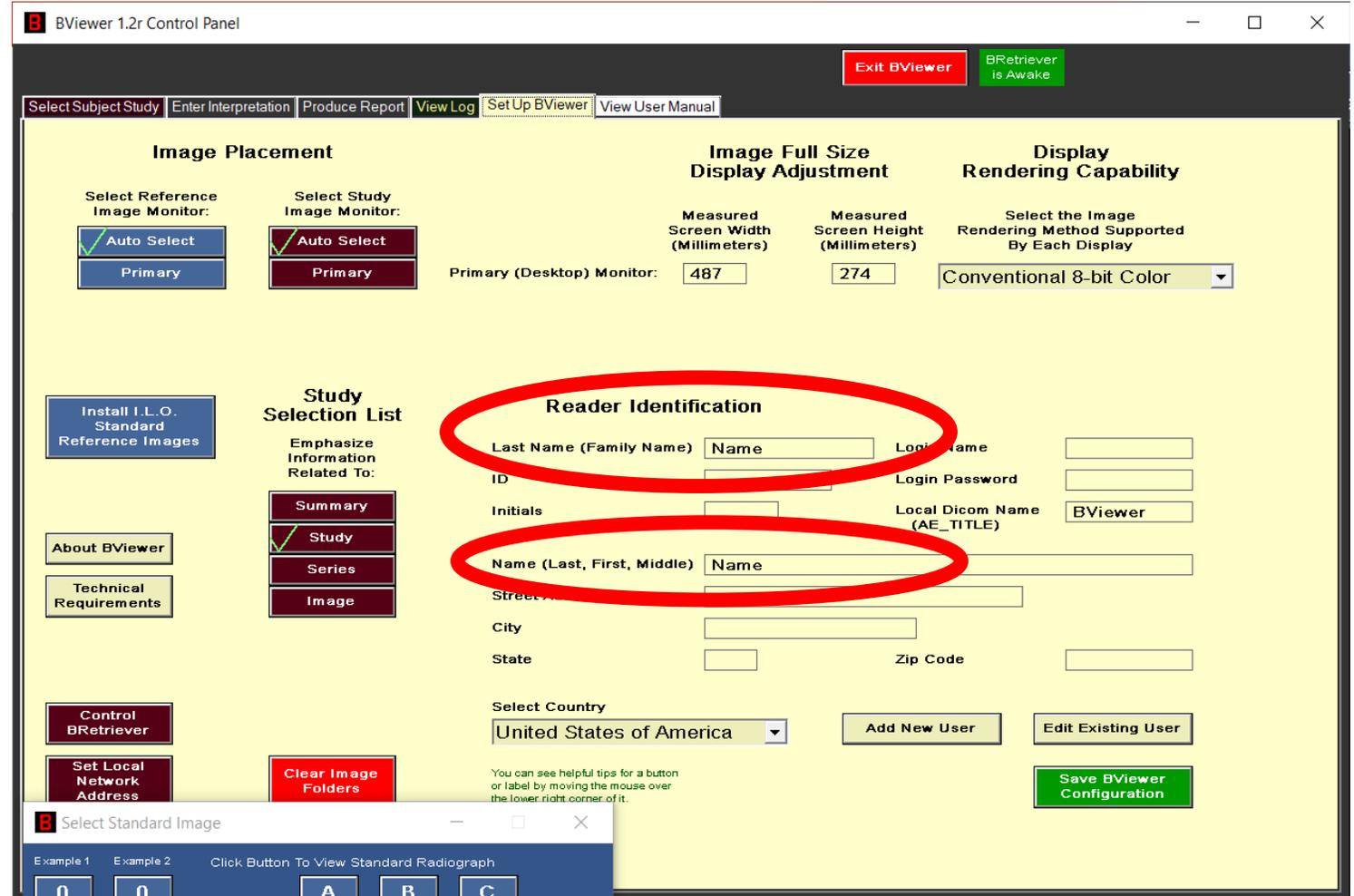


Setup BViewer

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

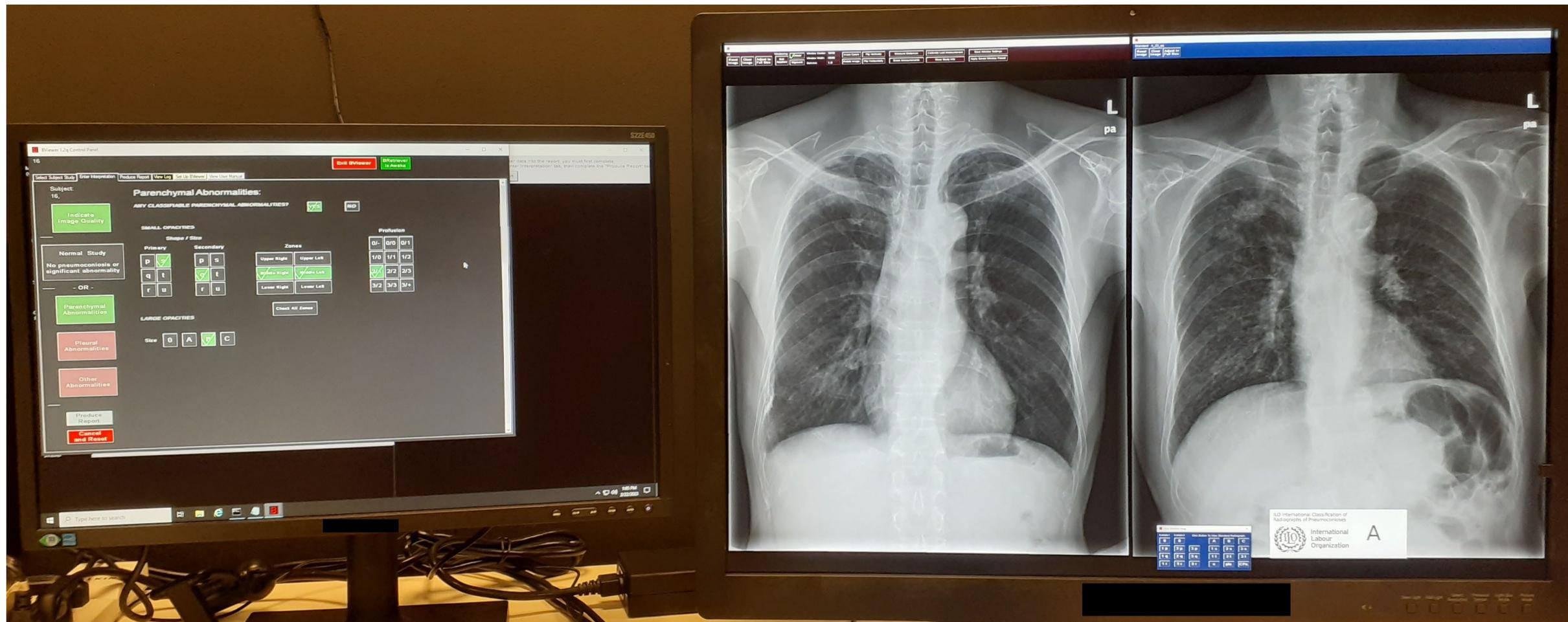
- View User Manual starting with Viewing and Manipulating Images.

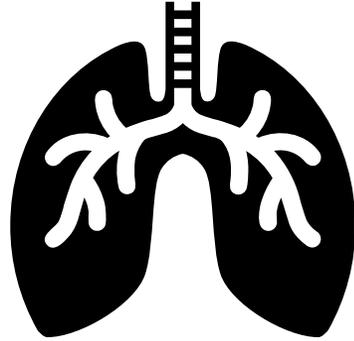
The screenshot shows the BViewer 1.2r Control Panel interface. At the top, there are several buttons: 'Remove Checked Studies', 'Import Studies from Local Data', 'Add Newly Added Images', 'Exit BViewer', 'BRetriever is Awake', and 'Enter Data to Compose a Study'. Below these buttons is a menu bar with options: 'Select Subject Study', 'Enter Interpretation', 'Produce Report', 'View Log', 'Set Up BViewer', and 'View User Manual'. The 'View User Manual' button is circled in red. Below the menu bar is a table with the following columns: Last Name, First Name, ID, Accession, Study Date, Study Date Read, Study Physician, Study ID, Study Description, and Study Instance UID. The table contains 27 rows of data, including studies with IDs like 01p, 01q, 01r, 01s, 01t, 01u, 02normal, 02p, 02q, 02r, 03n, 03s, 03t, 03u, 04A, 04B, 04C, 04D, 05A, 05B, 05C, 05D, 06A, 06B, 06C, 06D, and AAPM. The AAPM rows include details like 'Test', 'TG18-2002 ...', '2002...', '2002/11...', '185...', 'AAPM ...', '2K-MULTI', and 'Multi Purpose 2K ...'.

Last Name	First Name	ID	Accession	Study Date	Study Date Read	Study 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.