

Data Analysis

Data Analysis Features of OnePacs

OnePacs offers several powerful means of analyzing the large volumes of data generated within OnePacs through use of the system.

OnePacs allows users, who have been given the "Generate spreadsheet or graphical report" permission by their OnePacs administrator, to view graphical charts representing data within the OnePacs system, generated in real-time, or to export data within the system to spreadsheet format, for further work and analysis using spreadsheet software such as the free [OpenOffice](#) package, or Microsoft Excel. The data export can also be used by administrators to create invoices by exporting study and radiologist related fees.

Export of data to spreadsheet

Most data within the OnePacs system may be exported into spreadsheet-readable format by choosing the "Export data to spreadsheet" option from the "Data Search/Export" menu. This feature is useful, for example, for [creating billing invoices](#).

When exporting data in such a fashion, users may select a date/time range, facility or facilities, study status, and interpreting radiologist or radiologists for which to export data. Financial/billing information will be available only for administrator users. Select the dropdown arrow under the facility or radiologist selection to quickly select facilities or select the magnify glass to search for facilities to select. [Facility Groups](#) can be used to quickly select facilities that are generally exported together without necessarily saving an entire search.

Each study type will be exported on a separate line for the same study when more than one study type has been selected. If the "Include data for last report of each read type" checkbox is selected a separate line will also be produced for each read (preliminary, final) that was completed. Check the "Use facility default study type if none was specified" if no study type was selected during the workflow but the [default for the facility](#) should be included on the report.

Searches and fields

Searches and a selection of which fields are to be exported may be saved if they are used often. Combined with [facility groups](#) saved searches and fields allows users to quickly export data reports. For example, one may create a monthly billing saved searched that is linked to the saved fields that would be necessary for your monthly billing report and a saved date range of last month. Groups of facilities are billed together could be managed by facility groups. Reports are quickly generated by selecting each facility group or facilities from the list and clicking the "Export CSV" button.

Edit fields

<input checked="" type="checkbox"/> Patient	<input type="checkbox"/> Study	<input type="checkbox"/> Report	<input type="checkbox"/> Facility	<input type="checkbox"/> QA
<input checked="" type="checkbox"/> Patient name	<input checked="" type="checkbox"/> Study date time	<input checked="" type="checkbox"/> Report date time	<input checked="" type="checkbox"/> Facility name	<input type="checkbox"/> Reported by
<input checked="" type="checkbox"/> Patient initials	<input checked="" type="checkbox"/> Study date	<input checked="" type="checkbox"/> Report day of week	<input type="checkbox"/> Address	<input type="checkbox"/> Discrepancy (text)
<input checked="" type="checkbox"/> MRN	<input checked="" type="checkbox"/> Study time	<input checked="" type="checkbox"/> TAT (after receive)	<input type="checkbox"/> City	<input type="checkbox"/> Response (text)
<input checked="" type="checkbox"/> DOB	<input checked="" type="checkbox"/> Study day of week	<input checked="" type="checkbox"/> Reading rad. username	<input type="checkbox"/> State	<input type="checkbox"/> Altered patient care
<input checked="" type="checkbox"/> Gender	<input checked="" type="checkbox"/> Study sent datetime	<input checked="" type="checkbox"/> Reading rad. id	<input type="checkbox"/> Zip	<input type="checkbox"/> Resolution
	<input checked="" type="checkbox"/> Study recv datetime	<input checked="" type="checkbox"/> Reading radiologist	<input type="checkbox"/> Phone number	<input type="checkbox"/> Severity
<input type="checkbox"/> Order	<input checked="" type="checkbox"/> Accession #	<input checked="" type="checkbox"/> TAT (after receive/confirm)	<input type="checkbox"/> Id	<input type="checkbox"/> Created time
<input type="checkbox"/> Order number	<input checked="" type="checkbox"/> Study description	<input type="checkbox"/> TAT (after confirm)	<input type="checkbox"/> Region id	<input type="checkbox"/> User
<input type="checkbox"/> Scheduled exam time	<input type="checkbox"/> Patient age	<input checked="" type="checkbox"/> Current TAT standard	<input type="checkbox"/> Test	<input type="checkbox"/> Responding user
<input type="checkbox"/> Admission id	<input type="checkbox"/> DICOM institution	<input type="checkbox"/> Deadline time adjustment (min)	<input type="checkbox"/> Facility subgroup	
<input type="checkbox"/> Order priority	<input type="checkbox"/> Laterality	<input checked="" type="checkbox"/> Requested read type	<input type="checkbox"/> Facility subgroup id	<input type="checkbox"/> Peer Review
<input type="checkbox"/> Read type requested	<input checked="" type="checkbox"/> Pt. inst. residence	<input checked="" type="checkbox"/> Read type (prelim/final/other)		<input type="checkbox"/> Peer review code
<input type="checkbox"/> Reason for study	<input checked="" type="checkbox"/> Modality	<input type="checkbox"/> Result code	<input checked="" type="checkbox"/> Administrative	<input type="checkbox"/> Peer review result
<input type="checkbox"/> History	<input checked="" type="checkbox"/> Body parts	<input type="checkbox"/> Result code meaning	<input checked="" type="checkbox"/> Study notes	<input type="checkbox"/> Peer review comment
<input type="checkbox"/> Procedures	<input checked="" type="checkbox"/> Referring phys.	<input type="checkbox"/> Report (loses results)	<input checked="" type="checkbox"/> Radiologist IP address	<input type="checkbox"/> Clinically significant
<input type="checkbox"/> Order received	<input type="checkbox"/> Number of views	<input type="checkbox"/> Prioofreader user id	<input type="checkbox"/> Billing	<input type="checkbox"/> Peer review author
<input type="checkbox"/> Order last updated	<input type="checkbox"/> Contrast status		<input checked="" type="checkbox"/> Billing code	<input type="checkbox"/> Peer review status
<input type="checkbox"/> Custom order fields	<input type="checkbox"/> Type and dose	<input type="checkbox"/> Results Reporting	<input type="checkbox"/> Facility billing id	<input type="checkbox"/> Peer review source
	<input checked="" type="checkbox"/> Number of images	<input type="checkbox"/> Results urgency	<input checked="" type="checkbox"/> Radiologist fee	<input type="checkbox"/> Peer review datetime
<input type="checkbox"/> Study Confirmation	<input checked="" type="checkbox"/> File size	<input type="checkbox"/> Receipt confirmation	<input checked="" type="checkbox"/> Study fee	
<input type="checkbox"/> History	<input checked="" type="checkbox"/> Status	<input type="checkbox"/> Results description of finding		
<input checked="" type="checkbox"/> Priors availability	<input checked="" type="checkbox"/> Study UID	<input type="checkbox"/> Results reported by		
<input checked="" type="checkbox"/> Priors explanation	<input checked="" type="checkbox"/> Study link	<input type="checkbox"/> Results reported to		
<input checked="" type="checkbox"/> Study confirmed time	<input checked="" type="checkbox"/> Global study type	<input type="checkbox"/> Results reported time		
<input type="checkbox"/> Confirmation study status	<input checked="" type="checkbox"/> Local study type	<input type="checkbox"/> Results reported TAT		
<input type="checkbox"/> Study confirmed by user	<input checked="" type="checkbox"/> Study type modality	<input type="checkbox"/> Results read back		
<input type="checkbox"/> Ordering physician	<input type="checkbox"/> Study tags			
<input type="checkbox"/> Ordering physician phone	<input type="checkbox"/> Study tags codes			
<input type="checkbox"/> Ordering physician id	<input checked="" type="checkbox"/> Site status			

Done Close

Special Noted fields

- **Custom order fields** - This is exported as **JSON**. If you want to export a particular field in a discrete column, certain spreadsheet applications (Google sheets, Excel) can parse JSON data in custom formulas.

Graphical Charts

Data within the OnePacs system may be graphed in 2D or 3D format in real-time by selecting the “Charts” option from the “Data Search/Export” menu.

Charting

Chart Criteria

Search by: Study Date

Begin: 05/01/2012 12:00 AM

End: 05/31/2012 11:59 PM

X-Axis: Facility

Y-Axis: |

Z-Axis: Study Fees

Study Fees (avg)
Radiologist Fees
Radiologist Fees (avg)
Study Fees - RadFees
Study Fees - Rad Fees (avg)
Turnaround Time (avg hours)
Number of Studies
Number of Images
Number of Images (avg)

Facilities
(No selection returns all):

Demo Facility A
Demo Facility B
Demo Facility C

Radiologists
(No selection returns all):

Admin, Demo (demo)
demoipad
User, Demo (Demouser A)
User, Demo (Demouser B)
User, Demo (Demouser C)
User, Filtered (demofiltereduser)

DICOM Institution Name:

Patient Institution Res:

Reset Create Chart

Day of Week x Number of Studies x Facility

