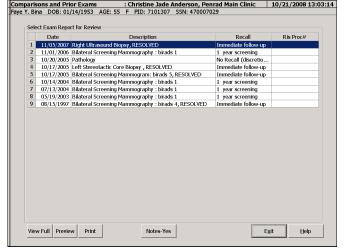
PenPathProfiler a new dimension in breast imaging

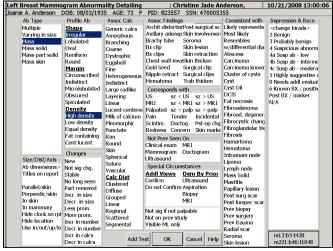
The ProFiler instantaneously mines facility data and PenRad's national database for pathological outcome by matching abnormality attributes for mammography, ultrasound and breast MRI exams. Outcome and quantity are displayed for local and national databases.

As attributes of an abnormality are selected, the profiler button displays the count of matching abnormalities with pathological outcome. The button displays # of malignancies, # of benigns, and the total # of matching abnormalities in the database. The second line displays the quantities in PenRad's national database (right).

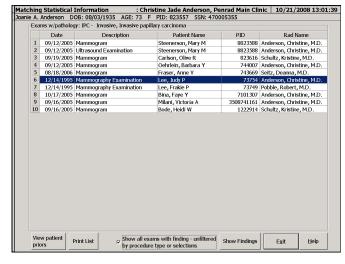
Mab	ching Exam	's Pathology	Findings				
	Result	#Local	% of Result	#National	% of Result	Code	Finding
1	malign	3	23.08%		%	IPC	Invasive, Invasive papillary carcinoma
2	malign	2	15.38%	150	67.87%	ID	Invasive ductal carcinoma
3	malign	2	15.38%	27	12.22%	IL.	Invasive lobular carcinoma
4	malign	1	7.69%	6	2.71%	CC	Invasive, Mucinous carcinoma
5	malign	1	7.69%		%	сот	Cartilaginous and Osseous
6	malign	1	7.69%		%	FS	Mesenchymal Tumors, Fibrosarcoma
7	malign	1	7.69%			ICP	Intracystic Papillary Carcinoma
8	malign	1	7.69%	1	.45%		Invasive, Medullary carcinoma
9	malign	1	7.69%			PIC	Invasive ductal carcinoma w/predominant int
10	malign		%	2	.9%		Other malignant
11	malign		%	1	.45%		Invasive, Adenoid cystic carcinoma
	malign		%	13	5.88%		Comedocarcinoma (Intraductal)
13	malign		%	1	.45%		Intraductal carcinoma, high grade
14	malign		%	2		DCIS	Ductal carcinoma in situ
15	malign		%	2		DCL	Intraductal carcinoma, low grade
16	malign		%	4	1.81%		Noninvasive, Intraductal carcinoma
17	malign		%	6	2.71%		Invasive and In-situ Cancer
18	malign		%	2		NOS	malignant
19	malign		%	4	1.81%		Invasive, Tubular carcinoma
20	benign	2	40%			ADM	Adenoma
21	benign	1	20%	1	2.17%		Hyperplasia, Atypical ductal
22	benign	1	20%			LB	Lipoma of the Breast
	benign	1	20%			LH	Hyperplasia, Lobular
	benign		%	8	17.39%		Other benign
	benign		%	3	6.52%		Adenosis
26	benian		%	2	4.35%	AM	Apocrine Metaplasia

As a pathological type is selected, matching exams are displayed. Selecting the show all exams clicker expands the search type to mammography, ultrasound and MRI exams (right). Tapping on the patient displays the patient's exam history (below).





With a tap to the profiler button a sortable itemized list is displayed. Individual quantity percentages are listed for malignant and benign outcomes (left).



If enabled, tapping the export to workstation button enables our PenFetch module to bring matching exam images to the reading workstation for further research and/or investigation.



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