

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).

**Matching Statistical Information** : Christine Jade Anderson, Penrad Main Clinic 10/21/2008 13:00:50  
Joanie A. Anderson DOB: 08/03/1935 AGE: 73 F PID: 823557 SSN: 470005355

Matching 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%		%	COT	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%	MC	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%	ADC	Invasive, Adenoid cystic carcinoma
12 malign...		%	13	5.88%	CI	Comedocarcinoma (Intraductal)
13 malign...		%	1	.45%	DCH	Intraductal carcinoma, high grade
14 malign...		%	2	.9%	DCIS	Ductal carcinoma in situ
15 malign...		%	2	.9%	DCL	Intraductal carcinoma, low grade
16 malign...		%	4	1.81%	DS	Noninvasive, Intraductal carcinoma
17 malign...		%	6	2.71%	II	Invasive and In-situ Cancer
18 malign...		%	2	.9%	MOS	malignant
19 malign...		%	4	1.81%	ITC	Invasive, Tubular carcinoma
20 benign...	2	40%		%	ADM	Adenoma
21 benign...	1	20%	1	2.17%	ADH	Hyperplasia, Atypical ductal
22 benign...	1	20%		%	LB	Lipoma of the Breast
23 benign...	1	20%		%	LH	Hyperplasia, Lobular
24 benign...		%	8	17.39%	*	Other benign
25 benign...		%	3	6.52%	AD	Adenosis
26 benign...		%	2	4.35%	AM	Apocrine Metaplasia

Print List Show Exams Exit Help

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).

**Comparisons and Prior Exams** : Christine Jade Anderson, Penrad Main Clinic 10/21/2008 13:03:14  
Faye Y. Bina DOB: 01/14/1953 AGE: 55 F PID: 7101307 SSN: 470007029

Select Exam Report for Review

Date	Description	Recall	Ris Proc#
1 11/05/2007	Right Ultrasound Biopsy, RESOLVED	Immediate follow-up	
2 11/01/2006	Bilateral Screening Mammography : birads 1	1 year screening	
3 10/20/2005	Pathology	No Recall (discretio...	
4 10/17/2005	Left Stereotactic Core Biopsy , RESOLVED	Immediate follow-up	
5 10/17/2005	Bilateral Screening Mammogram: birads 5, RESOLVED	Immediate follow-up	
6 10/14/2004	Bilateral Screening Mammography : birads 1	1 year screening	
7 07/13/2004	Bilateral Screening Mammography : birads 1	1 year screening	
8 05/19/2003	Bilateral Screening Mammography : birads 1	1 year screening	
9 08/15/1997	Bilateral Screening Mammography : birads 4, RESOLVED	Immediate follow-up	

**Left Breast Mammogram Abnormality Detailing** : Christine Jade Anderson, 10/21/2008 13:00:06  
Joanie A. Anderson DOB: 08/03/1935 AGE: 73 F PID: 823557 SSN: 470005355

Ab Type	Profile Ab	Assoc Calc	Consistent with	Impression & Recs
Multiple	Shape	Generic calcs	Archit distortio	Likely represents
Varying in size	Irregular	Amorphous	Axillary adenop	Most likely
Mass	Lobulated	Branching	Brachy tube	Resembles
Mass solid	Oval	Coarse	Br clip	w/differential dia
Mass part solid	Reniform	Dystrophic	Br clips	Skin retraction
Mass skin	Round	Eggshell	Chest wall inva	Skin thicken
	Marin	Fine	Chest wall inva	Skin thicken
	Circumscribed	Heterogeneous	Gold Seed	Surgical clip
	Indistinct	Indistinct	Nipple retract	Surgical clips
	Microlobulated	Large rodlike	Hematoma	Trab thicken
	Obscured	Layering		
	Spiculated	Linear	Corresponds with	
	Density	Lucent-centere	US	sz < US
	High density	Milk of calcium	MRI	sz < MRI
	Low density	Pleomorphic	Palpated	sz < palp
	Equal density	Punctate	Pain	Tender
	Fat containing	Rim	Scintim.	Ductog.
	Cent lucent	Round	Redness	Concern
	Changes	Skin	Not Prev Seen On	Skin marke
	New	Spherical	Clinical exam	MRI
	Not sig chg.	Suture	Mammogram	Ductogram
	Stable	Vascular	Ultrasound	
	No long seen	Calc Dist	Special Circumstances	
	Part removed	Clustered	Additional Views	Dem By Prior
	Incr in size	Diffuse	Confirm	Ultrasound
	Decr in size	Grouped	Do not Confirm	Aspiration
	Less prom.	Linear	Biopsy	MRI
	More prom.	Regional	Not sig if not palpable	
	Scattered	Segmental	Not on prev study	Visible ML only
	Incr in calcs			
	Decr in calcs			

Add Text OK Cancel Help

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

**Matching Statistical Information** : Christine Jade Anderson, Penrad Main Clinic 10/21/2008 13:01:39  
Joanie A. Anderson DOB: 08/03/1935 AGE: 73 F PID: 823557 SSN: 470005355

Exams w/pathology: IPC - Invasive, Invasive papillary carcinoma

Date	Description	Patient Name	PID	Rad Name
1 09/12/2005	Mammogram	Steenerson, Mary M	8823388	Anderson, Christine, M.D.
2 09/12/2005	Ultrasound Examination	Steenerson, Mary M	8823388	Anderson, Christine, M.D.
3 09/19/2005	Mammogram	Carlson, Olive R	823616	Schultz, Kristine, M.D.
4 09/12/2005	Mammogram	Oehrlein, Barbara Y	744007	Anderson, Christine, M.D.
5 08/18/2006	Mammogram	Fraser, Anne V	743669	Seitz, Deanna, M.D.
6 12/14/1995	Mammography Examination	Lee, Judy P	73754	Anderson, Christine, M.D.
7 12/14/1995	Mammography Examination	Lee, Frakie P	73749	Pobble, Robert, M.D.
8 10/17/2005	Mammogram	Bina, Faye Y	7101307	Anderson, Christine, M.D.
9 09/16/2005	Mammogram	Milani, Victoria A	3508741161	Anderson, Christine, M.D.
10 09/16/2005	Mammogram	Bode, Heidi W	1222914	Schultz, Kristine, M.D.

View patient priors Print List Show all exams with finding - unfiltered by procedure type or selections Show Findings Exit Help

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.