

Unlocking the Power of Physician Medical Claims

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Florida Cancer Data System

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Status Indicators – Claims Record Status

D	Cancer Diagnosis, No Treatment Related To Diagnosis
N	Cancer Diagnosis, All Treatment Non-Cancer Related to Diagnosis
O	Cancer Diagnosis, Cancer Treatment - Not First Course (Breast , Prostate > 1 Year, Else > 8 months from Diagnosis)
T	Cancer Diagnosis, Cancer Treatment - First Course

Status Indicators – Tumor Match Status

- A** Matches Patient/Tumor, First Course Treatment based on MP rules
- @** Matches Patient/Multiple Tumors, First Course Treatment based on MP rules
- S** Matches Patient/Tumor, Not First Course Treatment based on MP rules
- R** Matches Patient/Multiple Tumors, Not First Course Treatment based MP rules
- M** Matches Patient/Tumor without MP Timing Rules
- L** Matches Patient/Multiple Tumors without MP Timing Rules
- P** Matches Patient, Does Not Match Tumor
- C** No Match of Patient

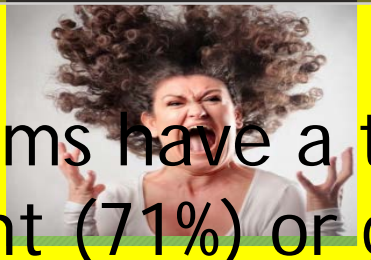
Claims Records & Cases by Year

Year	Number of Claims	Number of Claim Abstracts
2011	1,136,086	60,029
2012	1,081,013	31,415
2013	3,311,151	115,512
2014	3,515,644	111,900
2015	3,765,462	90,542

DX 2014

Casefinding

Status	C casefind	P P only	M PT w/o MP time rules	L PMT w/o MP time rules	S PT N1 st	R PMTN1 st	A PT1 st	@ PMT1 st	Total	%
D Dx, no rx	1,200	709	639	46	1,222	15	0	0	3,831	4%
N Dx, no c-rx	23,298	6,700	11,805	782	36,892	629	0	0	80,106	71%
O Dx, sub c-rx	232	76	161	7	411	13	0	0	900	1%
T Dx, c-rx 1st	6,475	2,378	1,712	119	3,889	55	12,128	307	27,063	24%
Total	31,205	9,863	14,317	954	42,414	712	12,128	307	111,900	
%	28% FL?	9%	14%		39%		11%			



Most claims have a tumor diagnosis with a non-related cancer treatment (71%) or cancer-related 1st course treatment (24%)

DX 2014

Status	Casefinding	
	C casefind	P P only
D Dx, no rx	1,200	709
N Dx, no c-rx	23,298	6,700
O Dx, sub c-rx	232	76
T Dx, c-rx 1st	6,475	2,378
Total	31,205	9,863
%	28% FL?	9%



- **28% No patient matching**
Most resource intensive - visual review
How do we know these are Florida Residents?
Lexis/Nexis, DMV searches?
- **9% Patient Match - No tumor match**
Florida residence. Casefinding. Easy Peasy.
- About 22% have 1st course treatment

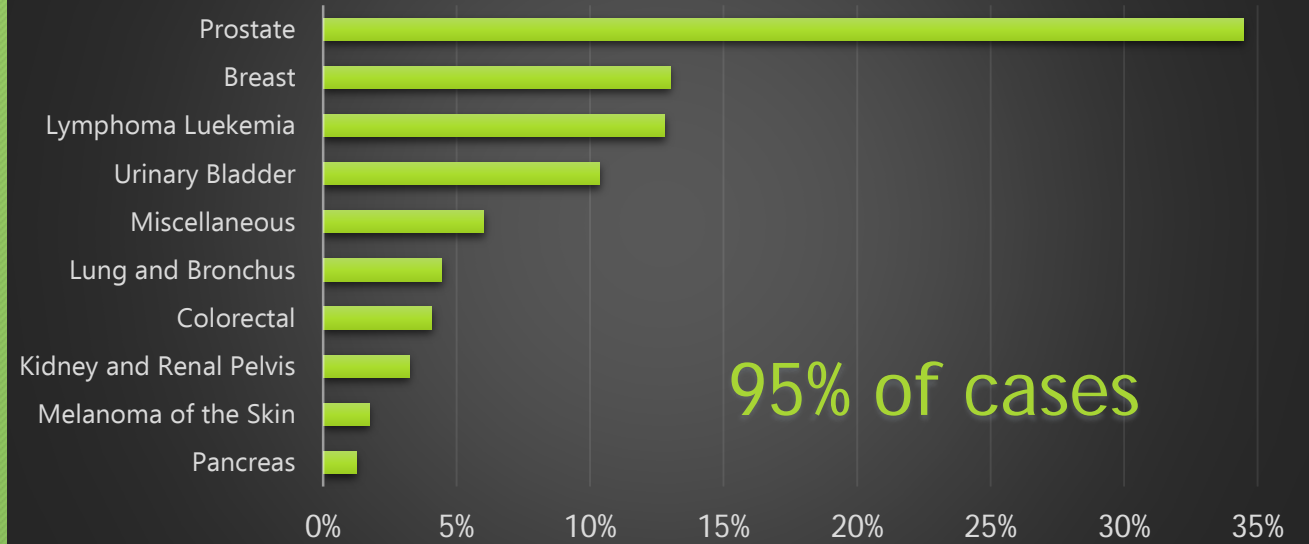
DX 2014

Casefinding

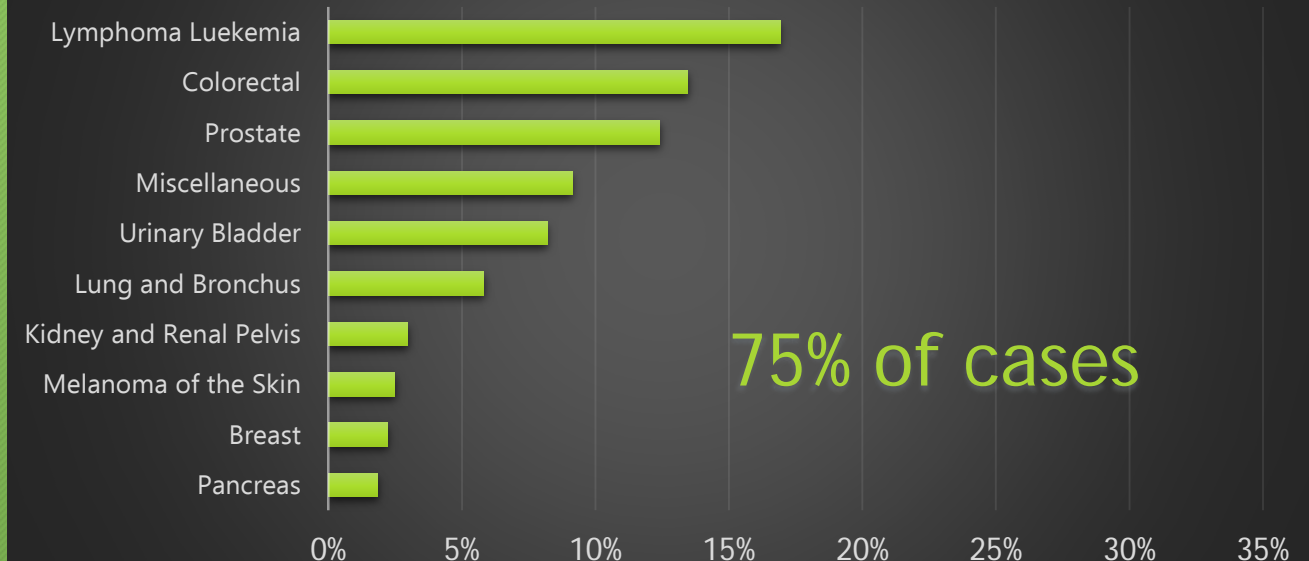
Status	Casefinding	
	C casefind	P P only
D Dx, no rx	1,200	709
N Dx, no c-rx	23,298	6,700
O Dx, sub c-rx	232	76
T Dx, c-rx 1st	6,475	2,378
Total	31,205	9,863
%	28% FL?	9%



Top Primary Sites for 'C' Cases



Top Primary Sites for 'P' Cases



DX 2014

Casefinding

Review

Status	C casefind	P P only	M PT w/o MP time rules	L PMT w/o MP time rules	S PT N1 st	R PMTN1 st	A PT1 st	@ PMT1 st	Total	%
D Dx, no rx	1,200	709	639	46	1,222	15	0	0	3,831	4%
N Dx, no c-rx	23,298	6,700	11,805	782	36,892	629	0	0	80,106	71%
O Dx, sub c-rx	232	76	161	7	411	13	0	0	900	1%
T Dx, c-rx 1 st	6,475	2,378	1,712	119	3,889	55	12,128	307	27,063	24%
Total	31,205	9,863	14,317	954	42,414	712	12,128	307	111,900	
%	28% FL?	9%	14%		39%		11%			



DX 2014

Status	Review	
	M PT w/o MP time rules	L PMT w/o MP time rules
D Dx, no rx	639	46
N Dx, no c-rx	11,805	782
O Dx, sub c-rx	161	7
T Dx, c-rx 1st	1,712	119
Total	14,317	954
%	14%	



- 14% Matches Tumor but outside Multiple Primary Timing Rules

Visual review by time intervals

If > specified time (site dependent) then create new tumor record

Casefind or Augment

DX 2014

Casefinding

Review

Update DLC

Status	C casefind	P P only	M PT w/o MP time rules	L PMT w/o MP time rules	S PT N1 st	R PMTN1 st	A PT1 st	@ PMT1 st	Total	%
D Dx, no rx	1,200	709	639	46	1,222	15	0	0	3,831	4%
N Dx, no c-rx	23,298	6,700	11,805	782	36,892	629	0	0	80,106	71%
O Dx, sub c-rx	232	76	161	7	411	13	0	0	900	1%
T Dx, c-rx 1st	6,475	2,378	1,712	119	3,889	55	12,128	307	27,063	24%
Total	31,205	9,863	14,317	954	42,414	712	12,128	307	111,900	
%	28% FL?	9%	14%		39%		11%			



DX 2014

Status	Update DLC	
	S PT N1 st	R PMTN1 st
D Dx, no rx	1,222	15
N Dx, no c-rx	36,892	629
O Dx, sub c-rx	411	13
T Dx, c-rx 1 st	3,889	55
Total	42,414	712
%	39%	



- Matches patient and tumor but not 1st course therapy
- 39% of claims used for updating date of last contact and comorbidities

DX 2014

Casefinding

Review

Update DLC

RX Augment

Status	C casefind	P P only	M PT w/o MP time rules	L PMT w/o MP time rules	S PT N1 st	R PMTN1 st	A PT1 st	@ PMT1 st	Total	%
D Dx, no rx	1,200	709	639	46	1,222	15	0	0	3,831	4%
N Dx, no c-rx	23,298	6,700	11,805	782	36,892	629	0	0	80,106	71%
O Dx, sub c-rx	232	76	161	7	411	13	0	0	900	1%
T Dx, c-rx 1st	6,475	2,378	1,712	119	3,889	55	12,128	307	27,063	24%
Total	31,205	9,863	14,317	954	42,414	712	12,128	307	111,900	
%	28% FL?	9%	14%		39%		11%			



DX 2014

Status	RX Augment	
	A PT1st	@ PMT1st
D Dx, no rx	0	0
N Dx, no c-rx	0	0
O Dx, sub c-rx	0	0
T Dx, c-rx 1st	12,128	307
Total	12,128	307
%	11%	



TREATMENT & CARE

- Matches patient/tumor AND is 1st course RX
- 11% Augmentation of 1st course Treatment
 - *Chemotherapy*
 - *Radiation*
 - *Surgery*
 - *Hormone therapy*
 - *Immunotherapy*

Cases updated where no treatment existed	
Chemo	17%
Radiation	5%
BRM	3%
Hormone	3%
Surgery	1%

Benefits/Limitations of Claims Reporting

Benefits

- Identify missed cases and minimize burden
- Identify/improve RX, particularly chemotherapy
- Improved date of last contact and comorbidities
- Provide hospitals with vital status and DLC
- Longitudinal patient profile
- New detailed data available

Limitations

- Lack of race
- Lack of SSN, Histology, Laterality (ICD-9), Diagnosis Date, and Stage
- Need to increase staff for case finding requirements
- Potential involvement in follow back requests on missing cases

Acknowledgements

- Dr. Lynne Penberthy, MD, MPH
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 - Virginia Cancer Registry
 - NCI SEER
 - CDC NPCR

Thank You

Questions?

