FCDS Data Quality Indicator Report

The Florida Cancer Data System (FCDS) is charged with providing the highest quality data available in annual cancer surveillance reporting to the Florida Department of Health and the CDC National Program of Cancer Registries (NPCR). Data must meet rigorous standards to be included in local, regional, state, and national cancer rates, reports to Congress, and various cancer surveillance-related publications. This report is a scaled down model of a similar report the CDC National Program of Cancer Registries (NPCR) provides to Florida and each NPCR state as an assessment of our state-wide data.

The FCDS Data Quality Indicator Report reflects 5 year comparison data as in sample below showing 2013-2017 Diagnosis Year data and examines the frequency of assignment of "unknown" or "ill-defined" values to key analysis variables over the course of the five-year period with comparison to national.

The percent of "unknown" and "ill-defined" values in certain variables is a data quality indicator used to rank Florida's overall data quality and completeness of the data for each case reported and is used when comparing Florida data to other states for overall data reliability. These data are also indicators of problem areas where FCDS and local registries can improve upon cancer reporting as data are available. Goals have been established nationally by NPCR or by FCDS.

Florida Cancer Data System - Facility Data Quality Indicator Report (DQIR) for 2020

Analytic cases[1] (received by 4/5/2020)

	Goals	2018 Facility %	2018 Florida Facilities %	2017 Facility %	2017 Florida Facilities %	2016 Facility %	2016 Florida Facilities %	2015 Facility %	2015 Florida Facilities %	2014 Facility %	2014 Florida Facilities %
Total Analytic Cases		1,308	115,848	1,689	126,620	1,860	126,080	1,830	121,678	1,638	117,388
Demographics											
Sex											
Sex Unknown (9)	<2%	0.000	0.009	0.000	0.018	0.000	0.009	0.000	0.013	0.000	0.023
Race											
Race Other, NOS (98)	<3%	0.765	1.647	0.947	1.743	0.914	1.503	0.820	1.384	0.855	1.249
Race Unknown (99)	<3%	1.070	0.798	0.296	0.800	0.430	0.964	0.109	1.582	0.061	1.644
Ethnicity											
Ethnicity Unknown (9)	<3%	0.382	0.893	0.237	1.211	0.215	0.853	0.219	0.828	0.244	0.866
Primary Payor at DX											
Primary Payor Unknown (99)	<3%	1.453	0.960	1.066	1.360	0.860	1.482	1.038	1.363	0.794	1.232
Tobacco Use											
Tobacco Use - Cigarette Unknown (9)		6.422	10.860	2.783	13.018	1.452	11.566	2.459	10.559	38.523	9.541
Tobacco Use - Other Unknown (9)		7.263	17.953	6.750	19.095	16.720	18.963	12.350	19.604	42.063	17.952
Tobacco Use - Smokeless Unknown (9)		5.581	17.415	6.276	18.761	17.258	18.656	11.639	19.335	41.697	17.567
Tobacco Use - NOS Unknown (9)		6.040	18.072	5.625	18.581	17.043	18.269	11.803	18.477	41.636	17.346
Marital Status at DX											
Marital Status Unknown (9)	<3%	1.453	2.649	3.197	2.829	3.172	2.605	5.137	2.614	2.259	2.573
Social Security Number											
Missing/Impossible SSN	<3%	15.061	10.677	11.901	7.969	10.806	6.175	11.749	5.300	9.585	4.028
Address at DX											
Ungeocodables (Certainty 9)[2]	<2%	0.000	0.001	0.000	0.076	0.000	0.061	0.000	0.009	0.000	0.004
PO Boxes (Certainty 5)[2]	<2%	0.232	1.731	0.240	1.664	0.439	1.825	0.334	1.918	0.557	1.896
Tumor Characteristics											
Diagnostic Confirmation											
Not Microscopically Confirmed (5-8)	<5%	4.128	0.330	3.789	0.419	4.946	0.382	3.770	0.295	3.541	0.332
DX Method Unknown (9)	<5%	0.459	0.243	0.829	0.236	0.269	0.282	0.164	0.265	0.183	0.325
Topography											
Ill-Defined Sites[3]	<1%	2.294	1.402	1.954	1.656	1.452	1.648	1.639	1.652	1.954	1.780
Histology/Grade											
Morphology Non-specific (8000-8005)	<5%	1.835	1.802	1.658	2.000	2.097	1.989	1.475	1.980	1.343	2.001
Grade Unknown (excludes C80.9)	<35%		40.793	35.327	43.656	34.652	40.656	34.660	41.209	35.476	
Stage											
Summary Stage[4]	<5%	5.199	6.067	5.625	6.832	5.376	6.739	3.716	4.995	3.846	5.196
SSDI											
Grade Clinical		53.364	47.095								
Grade Pathological		52.752	52.644								
Brain Molecular Markers		8.333	16.576								
Breslow Thickness		46.667	29.930								
Estrogen Receptor Summary		2.649	4.029								
Fibrosis Score		87.500	83.604								
HER2 Overall Summary		19.536	20.478								
Microsatellite Instability (MSI)		21.333	58.986								
Progesterone Receptor Summary		2.649	6.816								
PSA Lab Value		16.129	12.390								
LDH Pretreatment Lab Value		86.667	93.759								

* DQI now run by Diagnosis date
[1] Analytic according to FCDS (class of case: 0 - 22 or 34 - 42)
[2] Percentages based on analytic cases of Florida residents at time of DX only.
[3] Definition changed in 2018 and Ill-defined and Unknown primary are now combined
[4] Derived SS 2000 DX years 2014-2015, direct coded SS 2000 DX years 2016-2017, direct coded SS 2018 DX year 2018

*modified 2/27/20