

## FCDS Data Quality Indicator Report

The Florida Cancer Data System (FCDS) is responsible for ensuring the highest quality data is available in annual cancer surveillance reporting for 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 version of a similar report that the CDC National Program of Cancer Registries (NPCR) provides to Florida and each NPCR state as an assessment of our statewide data.

The FCDS Data Quality Indicator Report reflects 5 year comparison data as in sample below showing 2016-2020 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 percentage of “unknown” and “ill-defined” values in certain variables serves as a data quality indicator used to rank Florida’s overall data quality and completeness for each case reported. This metric is also utilized when comparing Florida data to other states for overall data reliability. Furthermore, these data indicate problem areas where FCDS and local registries can enhance cancer reporting as data become available. Goals have been established nationally by NPCR or by FCDS.

Florida Cancer Data System - Facility Data Quality Indicator Report (DQIR) for 2022

Analytic cases<sup>1</sup> (received by 5/5/2022)

	Goals	2020		2019		2018		2017		2016	
		Facility %	Facilities %	Facility %	Facilities %	Facility %	Facilities %	Facility %	Facilities %	Facility %	Facilities %
Total Analytic Cases		1,525	118,702	1,775	138,961	1,764	134,050	1,715	128,361	1,874	126,770
<b>Demographics</b>											
Sex											
Sex Unknown (9)	< 2%	0.000	0.013	0.000	0.012	0.000	0.013	0.000	0.018	0.000	0.009
Race											
Race Other, NOS (98)	< 3%	1.049	1.998	0.732	1.926	0.680	1.660	1.050	1.740	0.961	1.496
Race Unknown (99)	< 3%	0.656	1.147	0.169	0.950	0.794	0.800	0.292	0.795	0.427	0.954
Ethnicity											
Ethnicity Unknown (9)	< 3%	0.066	1.425	0.056	1.267	0.397	0.965	0.233	1.210	0.213	0.865
Primary Payor at DX											
Primary Payor Unknown (99)	< 3%	0.525	0.751	0.845	1.237	1.984	1.062	1.166	1.382	0.854	1.490
Tobacco Use											
Tobacco Use - Cigarette Unknown (9)		0.393	8.049	3.268	9.819	5.782	10.340	2.799	12.944	1.441	11.549
Tobacco Use - Other Unknown (9)		0.459	15.491	3.380	17.745	6.633	17.406	6.706	19.046	16.596	18.970
Tobacco Use - Smokeless Unknown (9)		0.262	15.112	2.592	17.237	5.159	16.903	6.239	18.710	17.129	18.661
Tobacco Use - NOS Unknown (9)		0.393	15.308	3.099	17.503	5.669	17.347	5.598	18.517	16.916	18.271
Marital Status at DX											
Marital Status Unknown (9)	< 3%	1.180	2.550	1.521	2.391	1.304	2.742	3.149	2.918	3.148	2.684
Social Security Number											
Missing/impossible SSN	< 3%	18.951	13.750	16.789	12.483	15.079	9.728	11.603	7.755	10.672	6.106
Address at DX											
Ungeocodable (Certainty 9) <sup>2</sup>	< 2%	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.075	0.000	0.060
PO Boxes (Certainty 5) <sup>3</sup>	< 2%	0.396	1.483	0.229	1.603	0.230	1.690	0.236	1.657	0.435	1.829
<b>Tumor Characteristics</b>											
Diagnostic Confirmation											
Not Microscopically Confirmed (5-8)	< 5%	4.459	0.156	3.155	0.207	3.968	0.316	4.023	0.426	5.069	0.387
DX Method Unknown (9)	< 5%	0.328	0.166	0.282	0.191	0.454	0.268	0.816	0.236	0.267	0.282
Topography											
Ill-Defined Sites <sup>3</sup>	< 1%	1.049	1.346	0.563	1.323	2.098	1.436	1.924	1.641	1.441	1.643
Histology/Grade											
Morphology Non-specific (8000-8005)	< 5%	1.443	1.798	0.563	1.869	1.701	1.931	1.633	2.003	2.081	1.990
Grade Unknown (excludes C80.9)	< 35%							41.050	35.454	43.757	34.727
Stage											
Summary Stage <sup>4</sup>	< 5%	3.148	5.186	2.648	5.558	4.932	6.140	5.714	6.809	5.496	6.756
SSDI											
Grade Clinical		46.230	45.698	45.070	45.658	52.098	46.900				
Grade Pathological		51.541	55.178	50.592	54.278	52.778	52.907				
Brain Molecular Markers		23.438	10.150	11.475	11.934	11.667	16.565				
Breastlow Thickness		36.364	26.990	34.146	29.330	36.364	30.553				
Estrogen Receptor Summary		5.541	4.217	2.954	3.818	2.810	4.439				
Fibrosis Score		85.294	75.050	71.429	76.872	85.714	82.577				
HER2 Overall Summary		24.538	20.164	18.565	19.884	19.204	20.420				
Microsatellite Instability (MSI)		20.988	49.391	22.917	54.997	20.792	59.446				
Progesterone Receptor Summary		6.596	7.343	3.376	6.578	2.810	6.780				
PSA Lab Value		18.182	12.811	17.500	11.075	11.364	11.938				
LDH Pretreatment Lab Value		100.000	78.683	95.122	87.629	86.364	94.038				

\* DQI now run by Diagnosis date

<sup>1</sup> Analytic according to FCDS (class of case: 0 - 22 or 34 - 42)

<sup>2</sup> Percentages based on analytic cases of Florida residents at time of DX only.

<sup>3</sup> Definition changed in 2018 and ill-defined and Unknown primary are now combined

<sup>4</sup> Derived SS 2000 DX years 2014-2015, direct coded SS 2000 DX years 2016-2017, direct coded SS 2018 DX year 2018+

\*modified 5/11/21