

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 2010-2014 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 2016											
Analytic cases ¹ (extracted 2/23/2016)											
	Goals	2014		2013		2012		2011		2010	
		Facility %	Florida Facilities %	Facility %	Florida Facilities %	Facility %	Florida Facilities %	Facility %	Florida Facilities %	Facility %	Florida Facilities %
Total Analytic Cases		1,280	110,557	1,274	114,341	1,189	112,997	1,185	112,308	1,212	111,783
Demographics											
Sex											
Sex Unknown (9)	< 2%	0.000	0.029	0.000	0.038	0.000	0.031	0.000	0.028	0.000	0.018
Race											
Race Other, NOS (98)	< 3%	0.000	1.242	0.000	1.259	0.000	1.157	0.000	1.061	0.000	1.086
Race Unknown (99)	< 3%	0.000	1.716	0.078	0.943	0.084	0.718	0.084	0.721	0.165	0.833
Ethnicity											
Ethnicity Unknown (9)	< 3%	0.078	0.761	0.314	0.657	0.168	0.661	0.422	0.974	0.330	0.969
Date of Birth											
Birth Year Unknown	< 2%	0.469	0.101	0.314	0.038	0.000	0.000	0.000	0.004	0.000	0.002
Birth Month Unknown	< 2%	0.000	0.012	0.000	0.003	0.000	0.001	0.000	0.004	0.000	0.003
Birth Day Unknown	< 2%	0.000	0.012	0.000	0.003	0.000	0.002	0.000	0.004	0.000	0.003
Primary Payor at DX											
Primary Payor Unknown (99)	< 3%	0.234	1.185	0.471	1.058	0.000	1.003	0.084	1.105	0.825	1.411
Marital Status at DX											
Marital Status Unknown (9)	< 3%	0.313	2.364	0.157	1.965	0.252	2.144	0.338	2.100	0.248	2.508
Social Security Number											
Missing/impossible SSN ^{2,3}	< 3%	0.947	3.868	1.665	3.373	1.561	2.384	0.741	1.991	1.360	1.820
Address at DX											
Ungeocodables (Certainty 9) ³	< 2%	0.000	0.001	0.088	0.031	0.643	0.973	0.185	0.508	1.360	1.125
PO Boxes (Certainty 5) ³	< 2%	3.528	1.898	2.542	2.124	1.102	1.202	2.037	1.784	1.541	1.200
Tumor Characteristics											
Diagnostic Confirmation											
Not Microscopically Confirmed (5-8)	< 5%	1.719	0.276	3.768	0.354	3.280	0.425	1.688	0.469	1.815	0.499
DX Method Unknown (9)	< 5%	0.000	0.312	0.000	0.221	0.000	0.179	0.000	0.183	0.000	0.101
Topography											
Other/Ill-Defined Sites (C76x)	< 1%	0.000	0.014	0.000	0.010	0.000	0.017	0.000	0.020	0.165	0.030
Unknown Primary Site (C809)	< 5%	1.484	1.748	1.570	1.876	1.682	1.850	2.025	1.952	1.485	1.943
Histology/Grade											
Morphology Non-specific (8000-8005)	< 5%	1.094	1.877	1.491	2.005	1.262	2.108	1.097	1.952	1.073	1.980
*Grade Unknown (excludes C80.9)	< 35%	34.844	35.211	37.755	36.889	33.726	36.717	30.127	34.006	30.446	34.678
Stage											
Derived/Summary Stage-2000 Unknown (9)	< 5%	2.578	5.097	3.218	5.369	3.532	5.771	4.979	6.123	3.713	6.187

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

² 999999999, 123456789, 111111111, 222222222, 333333333, 444444444, 555555555, 666666666, 777777777, 888888888, 000000000, 773000000, 987654321

³ Percentages based on analytic cases of Florida residents at time of DX only.