



Percent of Patients with Average Daily Dose >90 MME* By County, CSRS: N.C. Residents, 2011-2016

County	2011	2012	2013	2014	2015	2016
	%	%	%	%	%	%
Alamance	11.0	8.0	8.2	7.2	6.3	6.2
Alexander	12.2	10.0	10.7	10.1	8.7	8.6
Alleghany	15.1	11.9	11.7	11.1	11.1	9.6
Anson	7.0	5.2	5.0	4.8	4.2	3.9
Ashe	11.4	8.3	8.1	7.3	6.7	6.3
Avery	10.6	8.5	8.6	8.0	7.3	7.8
Beaufort	10.6	8.3	8.9	8.4	8.1	9.5
Bertie	9.1	6.2	6.5	6.1	5.7	5.7
Bladen	10.5	9.1	11.0	10.9	9.5	8.1
Brunswick	14.4	11.1	10.9	10.1	8.7	8.4
Buncombe	11.6	9.3	9.5	8.0	7.2	6.6
Burke	13.6	11.7	12.1	11.0	9.8	10.0
Cabarrus	10.4	8.3	8.3	7.7	6.6	6.5
Caldwell	11.4	9.3	9.7	8.9	7.9	7.3
Camden	13.1	9.1	10.8	9.5	8.7	9.5
Carteret	13.5	11.1	11.0	9.9	9.1	9.5
Caswell	10.3	8.1	8.6	7.2	6.8	7.5
Catawba	12.5	10.4	10.4	9.2	8.3	7.8
Chatham	12.7	10.2	10.4	8.8	7.9	7.4
Cherokee	18.9	15.5	15.6	12.6	9.3	8.8
Chowan	8.8	6.9	6.9	6.4	5.8	5.8
Clay	15.4	12.4	10.3	9.1	8.8	7.8
Cleveland	8.5	6.4	6.3	6.0	5.5	4.9
Columbus	12.8	11.1	13.9	14.9	13.2	11.3
Craven	14.0	12.5	13.8	12.4	10.7	10.4
Cumberland	11.8	9.4	9.7	8.2	6.8	5.7
Currituck	13.5	10.4	10.3	10.4	9.3	9.0
Dare	18.1	13.9	14.7	13.7	12.5	12.2



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Davidson	10.4	8.9	9.8	8.7	7.7	7.3
Davie	11.6	10.6	11.3	10.5	8.6	8.2
Duplin	8.9	7.3	7.3	6.9	6.2	5.5
Durham	11.9	9.5	9.3	8.0	7.1	6.9
Edgecombe	8.1	5.9	5.8	5.2	4.6	4.4
Forsyth	8.9	7.4	8.0	7.3	7.0	6.6
Franklin	11.7	9.1	8.6	7.6	6.7	6.5
Gaston	9.1	7.4	7.6	6.8	5.9	5.6
Gates	9.9	8.1	9.0	8.0	8.0	8.0
Graham	15.8	12.2	12.4	10.9	9.7	9.5
Granville	13.3	11.0	10.2	9.7	8.8	8.4
Greene	8.8	7.4	8.3	6.8	5.7	5.4
Guilford	9.4	7.4	7.7	6.8	6.0	5.9
Halifax	6.3	4.3	4.1	3.6	3.5	3.7
Harnett	10.8	8.4	8.4	7.2	6.8	6.4
Haywood	11.1	8.5	8.7	7.7	6.2	6.4
Henderson	15.3	11.1	11.3	9.8	8.9	8.1
Hertford	9.8	7.6	8.4	7.9	6.5	6.6
Hoke	10.7	8.1	9.4	8.4	7.2	5.9
Hyde	12.1	7.5	7.0	6.0	6.2	8.1
Iredell	12.5	9.3	9.5	8.6	7.9	7.5
Jackson	12.1	9.2	8.7	7.7	6.9	6.0
Johnston	9.8	8.2	8.5	7.0	6.4	5.8
Jones	10.9	9.4	11.0	9.2	8.4	8.2
Lee	13.2	10.2	10.0	8.4	7.2	6.6
Lenoir	8.7	5.3	6.3	4.9	4.1	4.2
Lincoln	10.4	7.9	7.4	6.6	6.1	6.0
McDowell	8.2	7.3	8.0	7.8	6.9	6.7
Macon	12.6	9.9	10.1	8.4	7.9	7.4



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Madison	13.4	9.6	8.7	7.5	5.1	5.3
Martin	10.2	8.4	8.6	7.5	7.0	5.9
Mecklenburg	8.8	7.0	6.7	5.9	5.4	5.0
Mitchell	11.7	8.9	9.2	8.6	8.0	7.5
Montgomery	10.8	8.1	8.5	7.2	7.3	7.3
Moore	10.3	7.7	8.8	8.2	7.7	7.7
Nash	8.6	7.1	6.8	6.1	5.5	5.4
New Hanover	11.6	9.3	9.6	9.1	8.6	8.2
Northampton	9.4	6.5	6.4	5.0	4.9	5.0
Onslow	15.6	11.1	10.3	9.3	8.4	7.9
Orange	13.4	10.7	10.1	8.5	7.8	7.6
Pamlico	10.9	9.7	11.8	11.8	11.0	10.3
Pasquotank	9.0	7.2	6.4	6.4	5.5	5.9
Pender	11.7	9.4	9.9	9.5	9.0	8.2
Perquimans	10.9	8.5	8.7	7.2	5.6	6.4
Person	14.3	11.3	11.7	10.0	8.7	8.6
Pitt	10.9	8.6	8.9	8.0	7.2	7.0
Polk	13.4	9.3	9.9	9.2	7.8	9.1
Randolph	12.8	10.5	10.7	9.5	8.3	7.5
Richmond	8.7	6.8	7.4	7.4	7.2	6.9
Robeson	7.8	6.6	8.5	8.4	6.8	5.5
Rockingham	10.4	8.0	8.6	8.3	8.1	8.3
Rowan	14.1	10.8	10.4	9.7	8.4	8.0
Rutherford	10.7	7.3	6.9	6.1	5.8	5.3
Sampson	8.3	6.3	6.5	6.3	5.1	4.7
Scotland	10.0	7.5	9.0	9.2	9.1	7.0
Stanly	8.3	6.3	6.2	5.4	5.0	4.8
Stokes	9.9	8.0	8.8	8.0	7.6	8.0
Surry	13.6	12.4	12.9	11.4	10.5	10.3



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Swain	14.8	8.3	7.4	6.7	6.2	6.1
Transylvania	13.5	10.5	10.3	9.1	8.8	8.5
Tyrrell	11.0	8.4	8.1	8.2	8.0	6.6
Union	9.1	7.4	7.3	6.7	5.8	5.3
Vance	13.5	9.8	9.4	9.0	8.0	8.0
Wake	11.7	8.2	8.0	6.8	5.9	5.6
Warren	10.2	8.0	7.9	6.9	5.6	5.6
Washington	7.1	5.5	5.3	4.7	4.5	5.0
Watauga	10.1	7.5	7.7	7.4	6.4	6.4
Wayne	8.2	6.3	6.4	5.9	5.1	4.8
Wilkes	21.6	18.0	18.7	17.7	17.2	16.4
Wilson	8.7	7.0	7.4	6.7	5.8	5.4
Yadkin	14.3	13.0	14.1	12.7	12.4	11.8
Yancey	12.1	9.9	9.7	7.9	7.2	6.4
STATE	11.1	8.7	8.9	8.0	7.1	6.8

*MME= Morphine Milligram Equivalent

Data Source: North Carolina Division of Mental Health, Developmental Disabilities and Substance Abuse Services, Controlled Substance Reporting System (CSRS), 2011-2017

Notes: Data from NC Opioid Action Plan Metrics, October 2017. Data are subject to change. Patients receiving Buprenorphine and Methadone are excluded from this calculation. Suspensions, solutions, implants, and other non-pill forms of opioids are also excluded from this calculation.