

SUPPLEMENTAL TABLES | APRIL, 2018

Patterns of Opioid Prescribing in Minnesota: 2012 and 2015

Supplemental Tables

Tables A.1 – A.4 are supplemental tables to accompany the issue brief, Patterns of Opioid Prescribing in Minnesota: 2012 and 2015.¹

TABLE A.1: Proportion of persons covered by private insurance, Medicare, or Medicaid and percent of prescriptions paid from each source in 2012 and 2015

	2012		2015	
	% of persons	% of opioid prescriptions	% of persons	% of opioid prescriptions
Total	100.0%	100.0%	100.0%	100.0%
Private insurance	70.7%	40.9%	62.5%	38.3%
Medicare	12.5%	29.3%	13.8%	33.2%
Medicaid	16.8%	29.8%	23.7%	28.5%

SOURCE: Mathematica Policy Research analysis of claims and encounters data from the Minnesota All Payer Claims Database extracts 19 and 20v1.

NOTE: Minnesotans are assigned to coverage categories based on their enrollment in coverage at the time of the prescription. Persons with multiple, concurrent sources of coverage are assigned to a unique coverage category in the following order: (1) Medicaid (includes MinnesotaCare), (2) Medicare, and (3) private insurance. Dual-eligible Medicare/Medicaid beneficiaries are assigned to Medicaid. Opioid prescriptions are allocated to the payer designated on the prescription drug record.

TABLE A.2: Percent of opioid prescriptions by number of prescribers and source of payment: persons with 5 or more opioid prescriptions in 2012 and 2015

	2012			2015		
	One prescriber	2-3 prescribers	4 or more prescribers	One prescriber	2-3 prescribers	4 or more prescribers
Total	16.8%	42.1%	41.2%	14.5%	43.2%	42.3%
Private insurance	18.8%	44.4%	36.8%	20.2%	45.0%	34.7%
Medicare	22.0%	45.7%	32.3%	17.4%	48.3%	34.3%
Medicaid	13.0%	37.9%	49.1%	10.6%	37.7%	51.6%

SOURCE: Mathematica Policy Research analysis of claims and encounters data from the Minnesota All Payer Claims Database extracts 19 and 20v1.

NOTE: Minnesotans are assigned to coverage categories based on their enrollment in coverage at the time of the prescription. Minnesotans with multiple, concurrent sources of coverage are assigned to a unique coverage category in the following order: (1) Medicaid (includes MinnesotaCare), (2) Medicare, and (3) private insurance. Dual-eligible Medicare/Medicaid beneficiaries are assigned to Medicaid.

¹ Available at www.health.state.mn.us/healthreform/allpayer/publications.html, accessed April 17, 2018;

TABLE A.3: Number of high-dose opioid prescriptions per 100 covered persons and average daily morphine milligram equivalents (MME) per prescription by geographic area in 2012 and 2015

	2012		2015	
	High-dose prescriptions per 100 persons	Average daily MME per prescription	High-dose prescriptions per 100 persons	Average daily MME per prescription
Statewide	7.7	52.6	6.9	52.6
GEOGRAPHIC AREA:				
Metropolitan area	7.6	52.9	6.7	53.4
Micropolitan area	7.3	49.4	6.7	50.4
Small town	7.9	53.6	7.5	48.3
Rural	8.6	53.0	8.2	53.8

SOURCE: Mathematica Policy Research analysis of claims and encounters data from the Minnesota All Payer Claims Database extracts 19 and 20v1.

NOTE: High-dose prescriptions are defined as prescriptions of at least 90 MME per day.

TABLE A.4: Morphine milligram equivalents (MME) per covered person by county in 2012 and 2015

	2012	2015			
	Unadjusted	Unadjusted	Age adjusted	Payer adjusted	Age and payer adjusted
Statewide average	551.2	523.1	523.1	523.1	523.1
County average (unweighted)	596.8	565.8	558.4	521.8	526.1
MINNESOTA COUNTY:					
Aitkin	1,176.2	1,367.1	1,385.8	1,051.2	1,009.8
Anoka	575.2	557.4	558.1	586.2	590.2
Becker	669.0	616.8	616.3	517.9	521.5
Beltrami	627.8	584.4	609.0	505.2	492.7
Benton	476.0	465.2	479.3	508.6	501.6
Big Stone	498.1	448.2	384.6	372.3	447.6
Blue Earth	473.6	405.8	408.0	393.4	384.8
Brown	326.7	375.5	358.1	386.2	401.5
Carlton	854.6	807.1	792.3	768.5	733.3
Carver	330.0	382.5	395.8	497.9	533.5
Cass	2,125.6	1,670.5	1,888.9	1,438.2	1,509.1
Chippewa	376.4	405.3	363.1	355.9	351.1

	2012	2015			
	Unadjusted	Unadjusted	Age adjusted	Payer adjusted	Age and payer adjusted
Chisago	668.5	667.8	664.7	719.3	726.3
Clay	712.7	606.1	627.5	530.2	540.4
Clearwater	848.2	538.9	528.4	470.9	463.9
Cook	611.1	580.2	554.2	517.4	529.0
Cottonwood	424.1	444.0	403.7	371.4	374.9
Crow Wing	657.1	593.9	575.8	512.3	515.3
Dakota	510.7	517.7	523.6	581.7	600.6
Dodge	198.6	225.0	232.9	274.1	312.1
Douglas	423.0	390.2	368.9	341.8	345.5
Faribault	510.6	545.5	523.7	447.7	467.0
Fillmore	354.0	309.8	282.6	298.9	310.3
Freeborn	476.4	453.0	436.8	388.9	399.9
Goodhue	571.3	511.2	495.2	533.0	559.3
Grant	534.2	399.3	376.9	365.6	361.2
Hennepin	506.0	452.8	454.7	455.0	440.4
Houston	683.7	607.9	557.8	563.6	534.5
Hubbard	734.3	609.6	575.6	475.2	458.4
Isanti	950.8	835.1	836.7	820.6	804.3
Itasca	1,079.6	831.8	811.6	789.6	754.7
Jackson	226.7	283.1	266.8	265.7	275.4
Kanabec	934.2	1,007.6	989.1	864.6	829.7
Kandiyohi	361.2	409.7	410.8	370.4	378.7
Kittson	598.9	563.0	492.8	534.8	478.3
Koochiching	1,689.1	1,593.7	1,665.7	1,136.6	1,092.8
Lac qui Parle	582.7	587.6	528.8	526.3	494.3
Lake	706.4	620.4	541.7	562.6	534.2
Lake of the Woods	901.6	652.4	559.1	569.5	515.4
Le Sueur	510.9	501.4	491.5	508.1	533.9
Lincoln	438.4	363.6	295.0	311.2	274.6

	2012	2015			
	Unadjusted	Unadjusted	Age adjusted	Payer adjusted	Age and payer adjusted
Lyon	368.2	311.9	315.4	304.3	317.5
McLeod	382.0	351.9	338.8	331.7	366.1
Mahnomen	1,599.6	1,622.6	1,872.0	1,130.0	1,235.9
Marshall	527.2	562.7	534.6	550.2	532.3
Martin	588.9	605.6	578.5	521.8	520.1
Meeker	395.4	373.1	348.2	348.2	358.2
Mille Lacs	931.2	949.5	961.7	898.0	899.7
Morrison	687.7	609.0	600.1	567.6	556.3
Mower	483.3	507.8	529.0	499.7	522.8
Murray	362.8	361.0	311.6	330.5	307.5
Nicollet	332.0	319.3	317.8	336.7	341.7
Nobles	257.9	247.0	266.6	221.3	255.3
Norman	586.0	521.4	499.3	434.1	438.3
Olmsted	261.8	262.6	265.6	339.0	340.8
Otter Tail	614.5	592.1	549.5	516.7	507.0
Pennington	595.1	541.9	537.3	581.4	591.4
Pine	983.0	1,059.7	1,029.6	926.8	857.2
Pipestone	477.2	541.9	521.5	463.5	476.3
Polk	765.2	729.0	719.7	638.6	639.0
Pope	407.5	363.3	314.5	326.0	325.6
Ramsey	542.4	530.8	554.2	507.4	500.0
Red Lake	352.5	462.6	447.0	485.6	522.8
Redwood	416.1	377.8	349.1	342.6	347.8
Renville	322.6	445.6	445.2	431.5	447.3
Rice	575.0	546.8	561.4	544.4	585.0
Rock	601.3	506.9	484.3	491.7	496.6
Roseau	759.3	634.6	610.6	672.4	666.7
St. Louis	907.3	753.4	705.1	670.9	609.6
Scott	387.5	423.2	453.4	511.6	580.6

	2012	2015			
	Unadjusted	Unadjusted	Age adjusted	Payer adjusted	Age and payer adjusted
Sherburne	550.3	547.8	578.0	615.4	626.1
Sibley	391.7	418.9	404.2	389.5	419.0
Stearns	465.2	431.3	441.3	440.0	459.1
Steele	379.8	441.9	454.9	415.0	435.1
Stevens	205.8	178.3	184.0	182.2	205.3
Swift	359.3	433.7	416.2	378.0	395.6
Todd	672.2	588.5	561.6	506.9	492.6
Traverse	704.5	566.8	547.3	474.3	505.2
Wabasha	452.6	413.1	389.0	422.6	439.7
Wadena	796.0	695.0	691.9	561.6	549.6
Waseca	394.1	347.1	340.4	322.2	331.7
Washington	511.7	523.0	529.5	617.2	650.3
Watonwan	433.1	505.4	504.8	450.2	499.8
Wilkin	535.7	426.5	402.8	355.3	360.6
Winona	761.9	734.2	706.7	706.7	686.6
Wright	521.5	544.1	571.5	624.1	656.9
Yellow Medicine	398.3	527.4	519.0	522.2	530.8

SOURCE: Mathematica Policy Research analysis of claims and encounters data from the Minnesota All Payer Claims Database extracts 19 and 20v1.

MN APCD
All Payer Claims Database

For further information about the MN APCD:
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