

Supplement 1

MAPS AND DATA

April 2019

County Maps and Data

Minnesota Department of Health
Minnesota Cancer Reporting System
PO Box 64882
St. Paul, MN 55164-0822
651-201-5900
health.mcrs@state.mn.us
www.health.state.mn.us

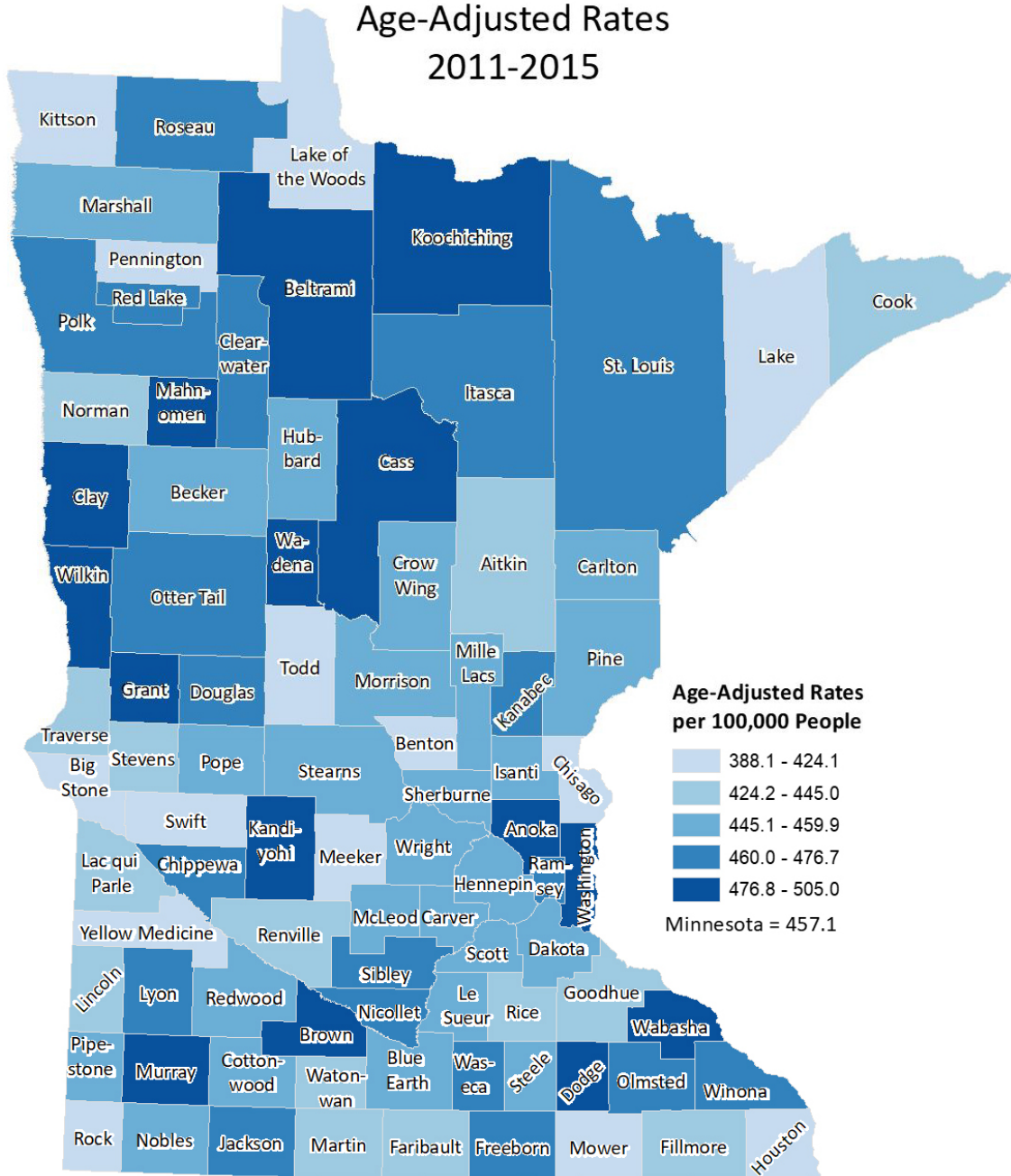
To obtain this information in a different format, call: 651-201-5900. Printed on recycled paper.

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All Cancer Incidence Age-Adjusted Rates Map

All Cancer Incidence
Age-Adjusted Rates
2011-2015



All Cancer Mortality Age-Adjusted Rates Map

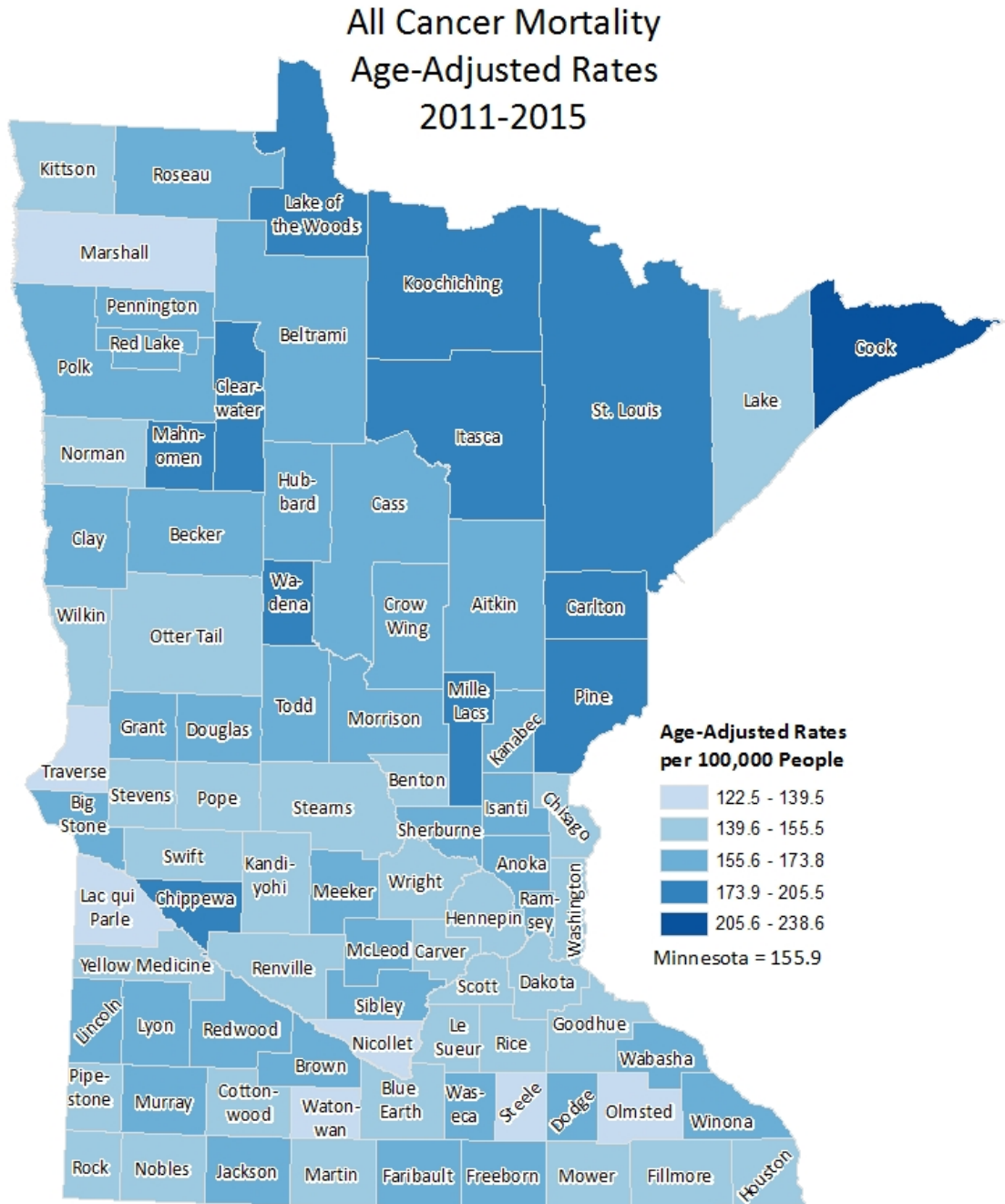


Table A: Cancer Incidence and Mortality Maps Data

County - All cancer sites	FIPS	Incidence Rate	Incidence Count	Mortality Rate	Mortality Count
Minnesota	27000	457.1	140267	155.9	48354
MN: Aitkin County (27001)	27001	437.5	656	164.1	266
MN: Anoka County (27003)	27003	480.2	8400	163.3	2602
MN: Becker County (27005)	27005	459.9	1045	166.3	393
MN: Beltrami County (27007)	27007	491.2	1219	171.0	434
MN: Benton County (27009)	27009	420.2	884	153.3	335
MN: Big Stone County (27011)	27011	424.1	188	171.0	89
MN: Blue Earth County (27013)	27013	446.2	1423	153.2	516
MN: Brown County (27015)	27015	494.1	890	158.7	327
MN: Carlton County (27017)	27017	448.9	1007	195.0	441
MN: Carver County (27019)	27019	448.9	2001	148.7	601
MN: Cass County (27021)	27021	498.6	1149	173.8	406
MN: Chippewa County (27023)	27023	463.9	411	190.6	186
MN: Chisago County (27025)	27025	407.7	1238	146.2	430
MN: Clay County (27027)	27027	498.2	1507	165.3	520
MN: Clearwater County (27029)	27029	464.4	278	182.2	118
MN: Cook County (27031)	27031	433.6	188	238.6	103
MN: Cottonwood County (27033)	27033	452.5	399	142.4	145
MN: Crow Wing County (27035)	27035	456.0	2076	169.0	796
MN: Dakota County (27037)	27037	457.4	9661	149.0	2954
MN: Dodge County (27039)	27039	483.3	522	167.2	181
MN: Douglas County (27041)	27041	468.9	1272	156.8	463
MN: Faribault County (27043)	27043	437.1	472	169.3	210
MN: Fillmore County (27045)	27045	431.5	644	148.8	246
MN: Freeborn County (27047)	27047	462.3	1036	160.8	406
MN: Goodhue County (27049)	27049	439.1	1372	150.7	520
MN: Grant County (27051)	27051	499.5	228	166.9	85
MN: Hennepin County (27053)	27053	448.1	28146	149.9	9313
MN: Houston County (27055)	27055	418.8	552	143.6	213
MN: Hubbard County (27057)	27057	449.2	727	164.3	275
MN: Isanti County (27059)	27059	456.2	1009	172.4	380
MN: Itasca County (27061)	27061	464.4	1557	181.6	646

COUNTY MAPS AND DATA

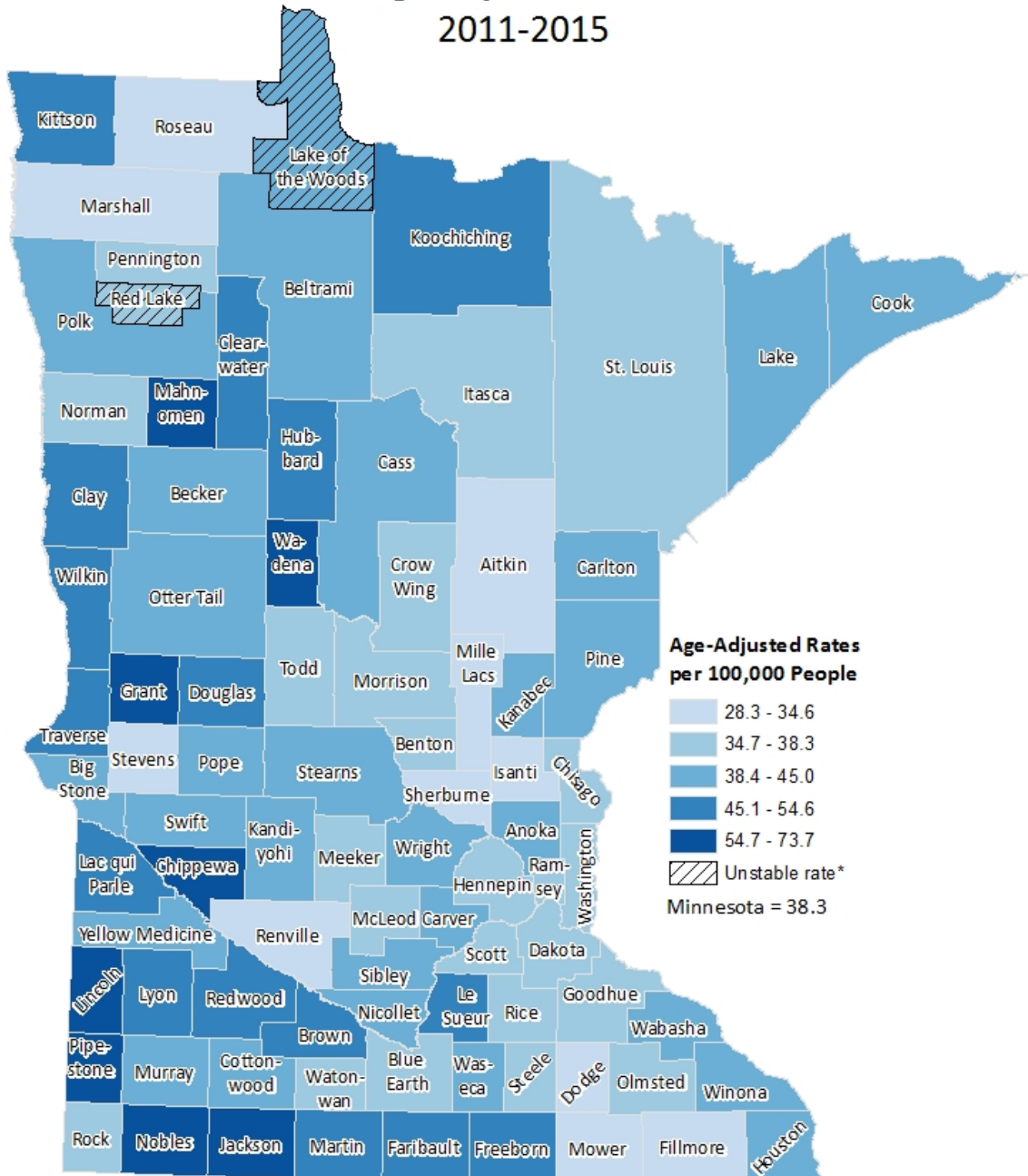
County - All cancer sites	FIPS	Incidence Rate	Incidence Count	Mortality Rate	Mortality Count
MN: Jackson County (27063)	27063	469.6	347	157.2	135
MN: Kanabec County (27065)	27065	467.3	517	163.2	181
MN: Kandiyohi County (27067)	27067	480.1	1291	146.3	426
MN: Kittson County (27069)	27069	413.6	138	145.2	57
MN: Koochiching County (27071)	27071	483.7	479	175.4	194
MN: Lac qui Parle County (27073)	27073	427.1	246	127.5	92
MN: Lake County (27075)	27075	401.2	363	145.9	139
MN: Lake of the Woods County (27077)	27077	412.1	127	177.2	58
MN: Le Sueur County (27079)	27079	455.0	776	151.2	261
MN: Lincoln County (27081)	27081	437.3	204	165.8	91
MN: Lyon County (27083)	27083	476.7	675	164.5	255
MN: McLeod County (27085)	27085	450.6	1016	157.3	378
MN: Mahnommen County (27087)	27087	505.0	171	205.5	74
MN: Marshall County (27089)	27089	448.9	296	136.0	99
MN: Martin County (27091)	27091	445.0	679	155.5	273
MN: Meeker County (27093)	27093	407.2	635	160.3	259
MN: Mille Lacs County (27095)	27095	459.3	763	191.5	332
MN: Morrison County (27097)	27097	457.0	974	157.4	356
MN: Mower County (27099)	27099	422.0	1053	151.2	434
MN: Murray County (27101)	27101	479.9	343	159.9	121
MN: Nicollet County (27103)	27103	464.9	837	137.4	250
MN: Nobles County (27105)	27105	458.2	592	155.0	220
MN: Norman County (27107)	27107	442.2	222	150.0	86
MN: Olmsted County (27109)	27109	466.9	3851	131.2	1099
MN: Otter Tail County (27111)	27111	468.0	2047	152.8	739
MN: Pennington County (27113)	27113	388.1	329	165.4	147
MN: Pine County (27115)	27115	459.4	914	180.7	366
MN: Pipestone County (27117)	27117	455.6	303	154.0	120
MN: Polk County (27119)	27119	466.1	929	158.3	341
MN: Pope County (27121)	27121	451.3	383	142.9	135
MN: Ramsey County (27123)	27123	468.4	12991	159.5	4480
MN: Red Lake County (27125)	27125	466.5	126	162.5	45
MN: Redwood County (27127)	27127	458.4	508	166.1	219

COUNTY MAPS AND DATA

County - All cancer sites	FIPS	Incidence Rate	Incidence Count	Mortality Rate	Mortality Count
MN: Renville County (27129)	27129	443.8	483	146.9	182
MN: Rice County (27131)	27131	442.7	1567	155.0	555
MN: Rock County (27133)	27133	418.9	287	152.3	118
MN: Roseau County (27135)	27135	461.4	435	161.2	158
MN: St. Louis County (27137)	27137	462.3	6018	176.5	2416
MN: Scott County (27139)	27139	456.7	2709	144.7	761
MN: Sherburne County (27141)	27141	452.7	1864	162.1	603
MN: Sibley County (27143)	27143	470.7	458	165.5	174
MN: Stearns County (27145)	27145	449.2	3620	151.4	1236
MN: Steele County (27147)	27147	448.4	983	139.5	327
MN: Stevens County (27149)	27149	437.6	251	153.3	104
MN: Swift County (27151)	27151	421.3	313	147.4	125
MN: Todd County (27153)	27153	412.8	702	158.2	270
MN: Traverse County (27155)	27155	433.4	127	122.5	46
MN: Wabasha County (27157)	27157	503.0	731	161.5	249
MN: Wadena County (27159)	27159	481.9	475	184.8	206
MN: Waseca County (27161)	27161	476.0	544	165.1	199
MN: Washington County (27163)	27163	480.7	6339	151.6	1868
MN: Watonwan County (27165)	27165	433.3	336	134.2	120
MN: Wilkin County (27167)	27167	487.5	219	148.1	72
MN: Winona County (27169)	27169	473.5	1367	158.5	485
MN: Wright County (27171)	27171	453.6	2779	154.2	880
MN: Yellow Medicine County (27173)	27173	419.9	316	146.1	119

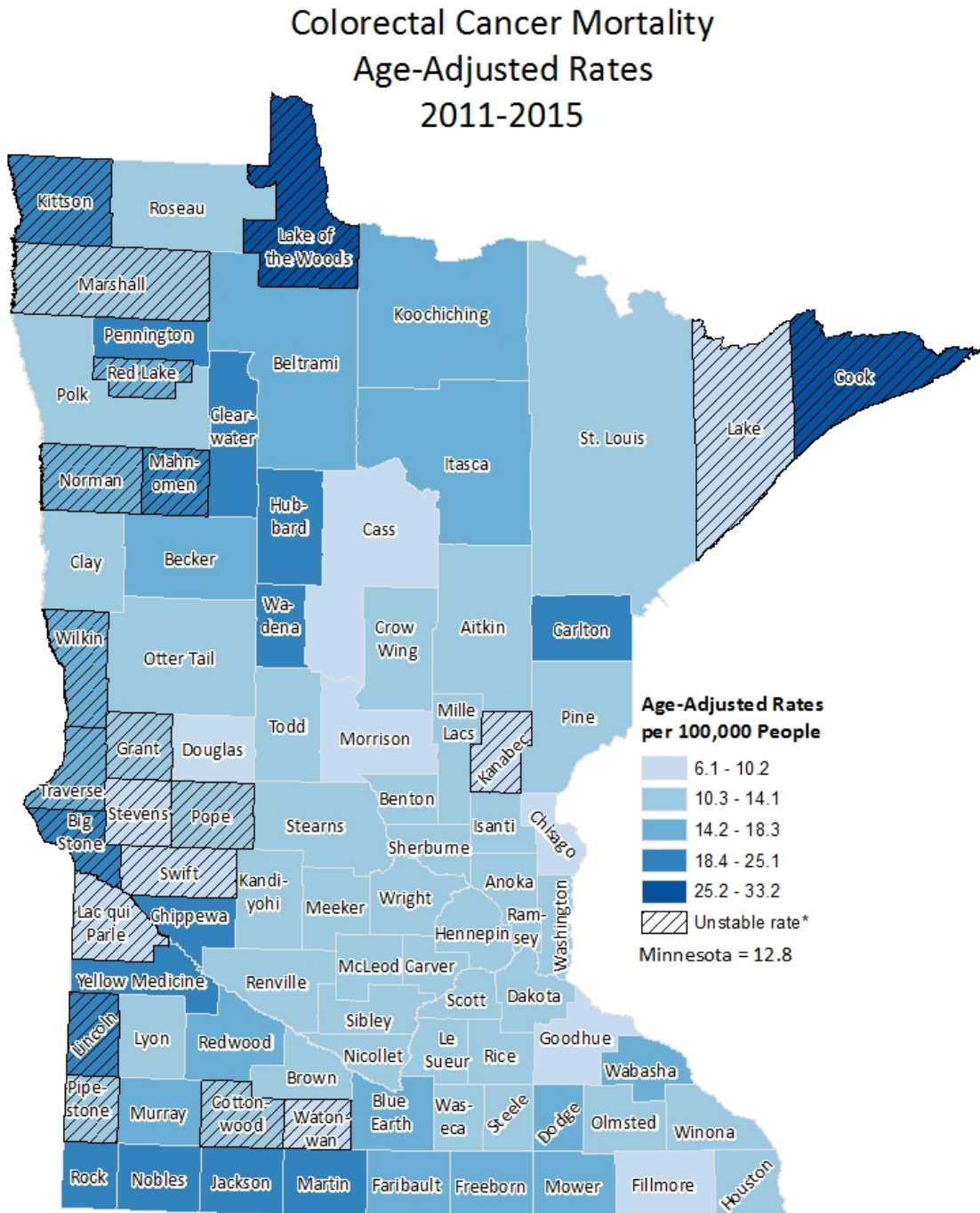
Colorectal Cancer Incidence Age-Adjusted Rates Map

Colorectal Cancer Incidence
Age-Adjusted Rates
2011-2015



*Unstable rate based on relative standard error (100 x SE/Rate) > 30%. Rate should be interpreted with caution.

Colorectal Cancer Mortality Age-Adjusted Rates Map



*Unstable rate based on relative standard error $(100 \times SE/Rate) > 30\%$. Rate should be interpreted with caution.

Table B: Colorectal Cancer Incidence and Mortality Data

County - Colorectal cancer	FIPS	Incidence Rate	Incidence Count	Mortality Rate	Mortality Count
Minnesota	27000	38.3	11669	12.8	4,007
MN: Aitkin County (27001)	27001	37.1	52	12.3	20
MN: Anoka County (27003)	27003	39.3	661	12.4	192
MN: Becker County (27005)	27005	40.7	88	15.9	37
MN: Beltrami County (27007)	27007	39.3	97	17.3	44
MN: Benton County (27009)	27009	32.3	67	11.5	24
MN: Big Stone County (27011)	27011	42.8	19	23.4*	11
MN: Blue Earth County (27013)	27013	36.9	120	14.6	50
MN: Brown County (27015)	27015	46.3	91	13.1	29
MN: Carlton County (27017)	27017	42.0	91	19.9	45
MN: Carver County (27019)	27019	41.7	183	10.7	46
MN: Cass County (27021)	27021	42.0	95	9.9	22
MN: Chippewa County (27023)	27023	64.6	57	21.8	22
MN: Chisago County (27025)	27025	33.1	98	6.1	18
MN: Clay County (27027)	27027	44.0	134	13.2	41
MN: Clearwater County (27029)	27029	42.4	27	21.1	14
MN: Cook County (27031)	27031	39.3	15	29.2*	11
MN: Cottonwood County (27033)	27033	43.6	42	11.2*	12
MN: Crow Wing County (27035)	27035	35.5	161	11.6	52
MN: Dakota County (27037)	27037	36.1	746	12.9	260
MN: Dodge County (27039)	27039	39.6	44	16.8	18
MN: Douglas County (27041)	27041	50.1	136	10.2	31
MN: Faribault County (27043)	27043	53.3	58	16.8	20
MN: Fillmore County (27045)	27045	33.8	52	10.1	15
MN: Freeborn County (27047)	27047	48.2	112	16.7	48
MN: Goodhue County (27049)	27049	33.9	110	9.7	34
MN: Grant County (27051)	27051	47.8	24	13.1*	7
MN: Hennepin County (27053)	27053	36.4	2268	11.9	753
MN: Houston County (27055)	27055	41.1	51	11.6	16
MN: Hubbard County (27057)	27057	55.6	90	19.3	29
MN: Isanti County (27059)	27059	34.1	73	12.6	26
MN: Itasca County (27061)	27061	34.3	119	15.4	58

COUNTY MAPS AND DATA

County - Colorectal cancer	FIPS	Incidence Rate	Incidence Count	Mortality Rate	Mortality Count
MN: Jackson County (27063)	27063	70.2	52	25.1	23
MN: Kanabec County (27065)	27065	37.0	41	7.7*	9
MN: Kandiyohi County (27067)	27067	42.2	107	13.0	39
MN: Kittson County (27069)	27069	41.6	14	20.5*	7
MN: Koochiching County (27071)	27071	50.7	52	18.3	21
MN: Lac qui Parle County (27073)	27073	52.9	33	7.9*	6
MN: Lake County (27075)	27075	40.9	34	8.0*	8
MN: Lake of the Woods County (27077)	27077	32.8*	9	33.2*	9
MN: Le Sueur County (27079)	27079	41.1	70	12.0	21
MN: Lincoln County (27081)	27081	65.7	32	19.3*	9
MN: Lyon County (27083)	27083	47.8	67	14.1	21
MN: McLeod County (27085)	27085	39.7	91	12.2	30
MN: Mahnomon County (27087)	27087	59.7	20	21.8*	7
MN: Marshall County (27089)	27089	32.8	22	11.8*	10
MN: Martin County (27091)	27091	39.0	69	19.5	33
MN: Meeker County (27093)	27093	34.9	57	13.3	23
MN: Mille Lacs County (27095)	27095	31.7	53	11.6	22
MN: Morrison County (27097)	27097	36.2	77	9.9	22
MN: Mower County (27099)	27099	30.8	81	14.6	41
MN: Murray County (27101)	27101	38.4	32	15.3	13
MN: Nicollet County (27103)	27103	39.8	70	12.1	21
MN: Nobles County (27105)	27105	53.5	72	23.5	32
MN: Norman County (27107)	27107	37.8	22	16.7*	10
MN: Olmsted County (27109)	27109	35.6	294	11.9	99
MN: Otter Tail County (27111)	27111	38.3	171	11.7	58
MN: Pennington County (27113)	27113	31.9	26	20.8	19
MN: Pine County (27115)	27115	38.7	79	10.8	22
MN: Pipestone County (27117)	27117	53.5	37	12.9*	12
MN: Polk County (27119)	27119	52.1	108	14.1	32
MN: Pope County (27121)	27121	42.8	36	11.9*	10
MN: Ramsey County (27123)	27123	36.4	1013	12.1	342
MN: Red Lake County (27125)	27125	34.3*	10	18.3*	5
MN: Redwood County (27127)	27127	45.4	58	15.5	22

COUNTY MAPS AND DATA

County - Colorectal cancer	FIPS	Incidence Rate	Incidence Count	Mortality Rate	Mortality Count
MN: Renville County (27129)	27129	28.6	34	11.0	13
MN: Rice County (27131)	27131	34.8	122	12.7	44
MN: Rock County (27133)	27133	36.0	27	18.9	14
MN: Roseau County (27135)	27135	31.6	29	12.8	13
MN: St. Louis County (27137)	27137	38.1	503	13.9	195
MN: Scott County (27139)	27139	34.6	200	13.2	74
MN: Sherburne County (27141)	27141	34.1	131	11.1	40
MN: Sibley County (27143)	27143	46.2	44	12.0	13
MN: Stearns County (27145)	27145	40.3	322	12.7	106
MN: Steele County (27147)	27147	35.7	81	13.3	32
MN: Stevens County (27149)	27149	34.2	22	7.3*	5
MN: Swift County (27151)	27151	46.5	34	8.3*	7
MN: Todd County (27153)	27153	35.2	63	13.2	22
MN: Traverse County (27155)	27155	53.8	18	14.8*	5
MN: Wabasha County (27157)	27157	43.7	65	15.7	25
MN: Wadena County (27159)	27159	58.6	58	23.0	26
MN: Waseca County (27161)	27161	42.1	50	13.2	17
MN: Washington County (27163)	27163	34.8	442	12.1	148
MN: Watonwan County (27165)	27165	37.3	29	8.8*	8
MN: Wilkin County (27167)	27167	47.1	23	15.9*	8
MN: Winona County (27169)	27169	35.8	101	12.3	39
MN: Wright County (27171)	27171	42.0	242	13.0	72
MN: Yellow Medicine County (27173)	27173	39.8	33	20.3	15

* Unstable rate based on relative standard error ($100 \times SE/Rate$) > 30% . Rate should be interpreted with caution.

State Community Health Service (SCHSAC) Regional Data

SCHSAC Regions

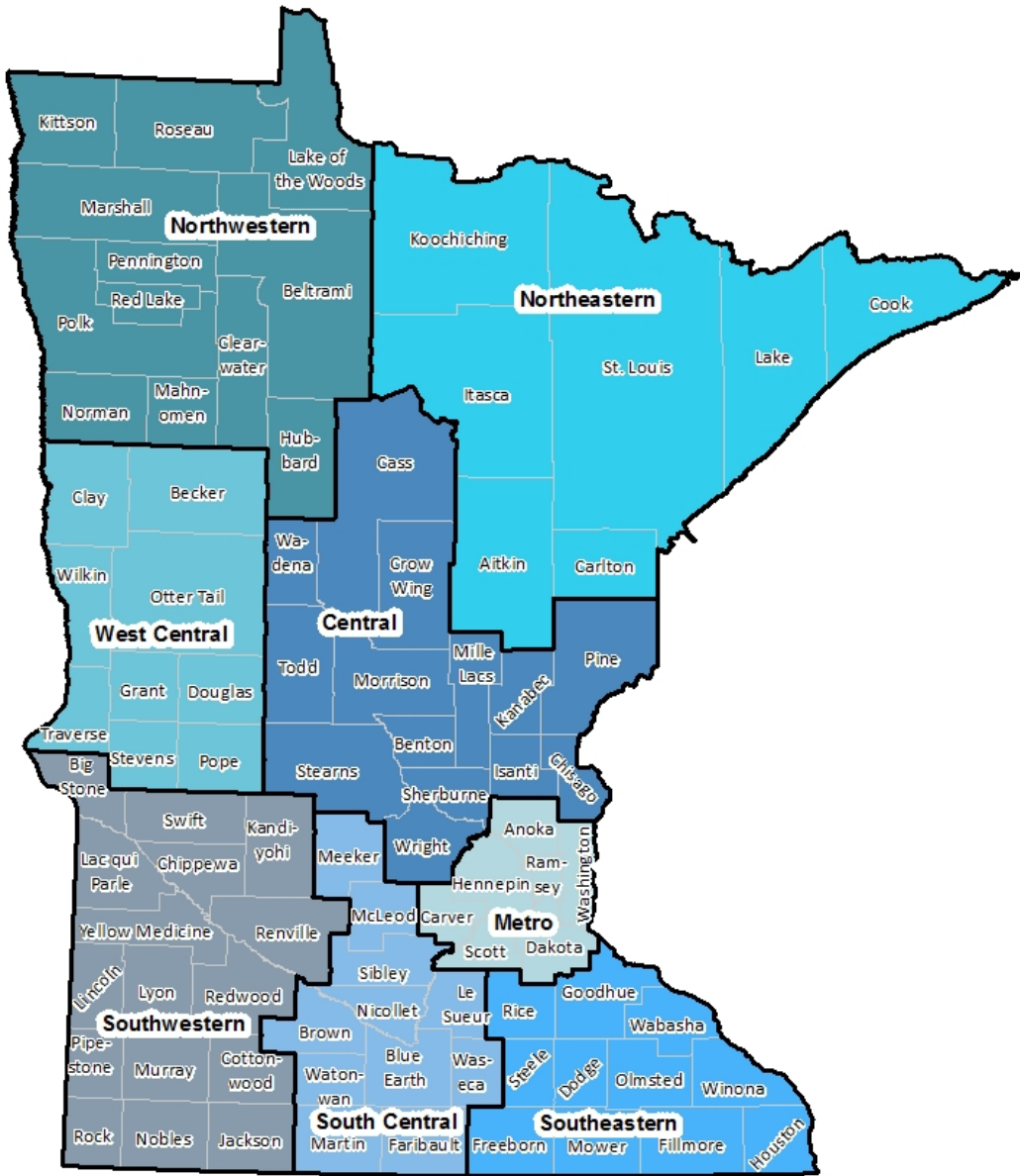


Table C: Incidence Data 2011-2015

(Rates/100,000 and counts)

Cancer site	Central	Metro	Northeast	Northwest	South Central	Southeast	Southwest	West Central
All sites Rate	450.1	459.7	456.7	457.1	451.5	454.6	455.2	472.8
All sites Count	18,964	70,247	10,268	6,042	8,066	13,678	6,906	6,034
Colorectal Rate	37.5	36.6	38.4	42	40.9	36.5	47	43.8
Colorectal Count	1,560	5,513	866	562	749	1,113	736	564

Table D: Mortality Data 2011-2015

(Rates/100,000 and counts)

Cancer site	Central	Metro	Northeast	Northwest	South Central	Southeast	Southwest	West Central
All sites Rate	160.9	152.8	177.9	163.5	154.3	147.7	154.3	154.9
All sites Count	6,777	22,579	4,205	2,285	2,967	4,715	2,643	2,164
Colorectal Rate	11.5	12.1	14.9	16.9	13.6	12.8	15.8	11.8
Colorectal Count	483	1,815	358	236	265	411	271	165