

AMERICAN LUNG ASSOCIATION®

State of the Air: 2007

www.lungusa.org

Improving Life, One Breath at a Time

1-800-LUNGUSA



The State of the Air in

Minnesota

MINNESOTA

AT-RISK GROUPS¹

County	Total Population	Under 18	65 & Over	Lung Diseases				CV Disease	Diabetes
				Pediatric Asthma	Adult Asthma	Chronic Bronchitis	Emphysema		
ANOKA	323,996	85,325	26,360	7,594	19,899	9,565	3,540	66,102	16,122
BECKER	31,868	7,325	5,175	652	2,043	1,036	500	8,637	2,020
CARLTON	34,026	7,387	4,980	657	2,229	1,105	502	8,797	2,073
CASS	28,910	6,174	5,314	549	1,892	970	492	8,384	1,946
CROW WING	59,917	13,367	10,203	1,190	3,904	1,958	955	16,390	3,816
DAKOTA	383,592	102,504	30,855	9,123	23,393	11,282	4,180	78,110	19,062
GOODHUE	45,585	10,432	6,901	928	2,918	1,477	692	12,073	2,839
HENNEPIN	1,119,364	261,495	122,979	23,273	71,582	34,931	14,234	257,754	61,861
LAKE	11,156	2,089	2,325	186	750	393	209	3,536	816
LYON	24,472	5,640	3,524	502	1,589	775	349	6,101	1,435
MILLE LACS	25,680	5,919	3,870	527	1,668	816	375	6,517	1,528
OLMSTED	135,189	33,783	15,562	3,007	8,496	4,133	1,721	30,898	7,378
RAMSEY	494,920	121,518	61,457	10,815	31,271	15,310	6,571	116,935	27,792
SCOTT	119,825	33,932	7,194	3,020	7,315	3,319	1,072	20,664	5,108
ST LOUIS	197,179	38,775	31,076	3,451	13,174	6,643	3,106	54,141	12,727
STEARNS	142,654	32,195	16,478	2,865	9,419	4,410	1,767	31,756	7,575
WASHINGTON	220,426	57,950	18,410	5,158	13,421	6,584	2,498	46,521	11,341
WRIGHT	110,730	30,389	9,331	2,705	6,807	3,175	1,162	21,561	5,233
TOTALS	3,509,489	856,199	381,994	76,202	221,769	107,883	43,925	794,877	190,670

(1) Adding across rows does not produce valid estimates, i.e. summing pediatric and adult asthma and/or emphysema and chronic bronchitis.

HIGH OZONE DAYS 2003-2005¹

County	Orange	Red	Purple	Wgt. Avg	Grade
ANOKA	1	0	0	0.3	B
BECKER	*	*	*	*	*
CARLTON	0	0	0	0.0	A
CASS	DNC	DNC	DNC	DNC	DNC
CROW WING	*	*	*	*	*
DAKOTA	*	*	*	*	*
GOODHUE	0	0	0	0.0	A
HENNEPIN	DNC	DNC	DNC	DNC	DNC
LAKE	0	0	0	0.0	A
LYON	*	*	*	*	*
MILLE LACS	2	0	0	0.7	B
OLMSTED	0	0	0	0.0	A
RAMSEY	DNC	DNC	DNC	DNC	DNC
SCOTT	1	0	0	0.3	B
ST LOUIS	0	0	0	0.0	A
STEARNS	0	0	0	0.0	A
WASHINGTON	0	0	0	0.0	A
WRIGHT	1	0	0	0.3	B

PARTICLE POLLUTION DAYS 2003-2005²

24-Hour					Annual	
Orange	Red	Purple	Wgt. Avg	Grade	Design Value	Pass/Fail
DNC	DNC	DNC	DNC	DNC	DNC	DNC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
0	0	0	0.0	A	5.6	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
1	0	0	0.3	B	9.3	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
1	0	0	0.3	B	9.8	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
1	0	0	0.3	B	6.5	PASS
1	0	0	0.3	B	10.1	PASS
4	1	0	1.8	C	11.6	PASS
1	0	0	0.3	B	9	PASS
2	0	0	0.7	B	7.6	PASS
2	0	0	0.7	B	8.8	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
DNC	DNC	DNC	DNC	DNC	DNC	DNC

Ozone

- Scott County's grade dropped from an A to a B.
- Dakota County no longer has sufficient data to grade.
- Washington County's grade improved from a B to an A.
- Goodhue, Olmsted, Stearns and Wright Counties now have sufficient data to grade.
- Becker and Lyon Counties now have Ozone monitors, but not enough data to grade.

PM

- Cass County now has sufficient data to grade.
- Dakota, Hennepin, Mille Lacs, Olmsted, Scott and Stearns Counties each dropped their grade from an A to a B.
- Ramsey County's grade dropped from an A to a C.
- Cass County now has sufficient data to grade their annual levels.

Notes:

(1) The weighted average was derived by adding the three years of individual level data (2003-2005), multiplying the sums of each level by the assigned standard weights (i.e., 1=orange, 1.5=red, 2.0=purple) and calculating the average. (2) Asterisk (*) indicates incomplete monitoring data for all three years. Therefore, those counties are excluded from the grade analysis or received an incomplete. (3) DNC indicates that data on that particular pollutant are not collected in that county. (4) Grades are as follows: A=0.0, B=0.3-0.9, C=1.0-2.0, D=2.1-3.2, F=3.3+.

Beginning our second century, the American Lung Association works to prevent lung disease and promote lung health. Asthma is the leading serious chronic childhood illness. Lung diseases and breathing problems are the primary causes of infant deaths in the United States today. Smoking remains the nation's number one preventable cause of chronic illness. Lung disease death rates continue to increase while other major causes of death have declined.

The American Lung Association has long funded vital research to discover the causes and seek improved treatments for those suffering with lung disease. We are the foremost defender of the Clean Air Act and laws that protect citizens from secondhand smoke. The Lung Association teaches children the dangers of tobacco use and helps teenage and adult smokers overcome addiction. We help children and adults living with lung disease to improve their quality of life. With your generous support, the American Lung Association is "Improving life, one breath at a time."

*For more information about the American Lung Association
or to support the work we do, call
1-800-LUNG-USA (1-800-586-4872)
or log on to **www.lungusa.org**.*

