

AMERICAN LUNG ASSOCIATION®

State of the Air: 2007

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Improving Life, One Breath at a Time

1-800-LUNGUSA



The State of the Air in

Wisconsin

AT-RISK GROUPS¹

County	Total Population	Under 18	65 & Over	Lung Diseases				CV Disease	Diabetes
				Pediatric Asthma	Adult Asthma	Chronic Bronchitis	Emphysema		
ASHLAND	16,627	3,825	2,577	340	1,155	535	251	4,363	1,023
BROWN	238,987	58,798	25,917	5,233	16,511	7,310	2,966	53,669	12,871
COLUMBIA	55,364	12,368	7,949	1,101	3,888	1,795	818	14,370	3,393
DANE	458,106	98,104	43,350	8,731	33,264	14,323	5,357	98,984	23,984
DODGE	88,103	19,041	12,191	1,695	6,273	2,851	1,262	22,271	5,268
DOOR	28,349	5,382	5,725	479	2,033	1,001	529	8,982	2,080
DOUGLAS	44,208	9,539	6,292	849	3,139	1,443	651	11,460	2,708
FLORENCE	4,974	950	941	85	358	174	90	1,532	357
FOND DU LAC	99,337	22,405	14,259	1,994	6,961	3,205	1,459	25,604	6,041
FOREST	9,961	2,241	2,055	199	686	332	178	2,976	683
GRANT	49,671	10,325	7,917	919	3,561	1,630	758	13,133	3,073
GREEN	35,165	8,252	5,080	734	2,429	1,129	521	9,136	2,155
JEFFERSON	79,328	17,823	9,761	1,586	5,610	2,519	1,068	19,091	4,550
KENOSHA	160,544	41,392	17,652	3,684	10,903	4,848	1,993	35,935	8,602
KEWAUNEE	20,840	4,743	3,117	422	1,453	674	313	5,467	1,286
LA CROSSE	108,958	23,278	13,806	2,072	7,841	3,471	1,456	25,942	6,164
MANITOWOC	81,949	18,308	12,878	1,629	5,719	2,693	1,285	22,332	5,243
MARATHON	128,941	31,000	17,126	2,759	8,871	4,080	1,822	32,230	7,642
MILWAUKEE	921,654	240,727	110,827	21,425	62,148	27,806	11,828	210,695	50,088
ONEIDA	36,994	7,072	7,403	629	2,655	1,297	681	11,548	2,674
OUTAGAMIE	171,006	42,823	19,404	3,811	11,718	5,227	2,169	39,009	9,325
OZAUKEE	86,072	19,938	11,775	1,774	5,951	2,808	1,290	22,831	5,422

(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
ASHLAND	*	*	*	*	*
BROWN	3	1	0	1.5	C
COLUMBIA	1	0	0	0.3	B
DANE	1	0	0	0.3	B
DODGE	2	0	0	0.7	B
DOOR	14	3	0	6.2	F
DOUGLAS	DNC	DNC	DNC	DNC	DNC
FLORENCE	0	0	0	0.0	A
FOND DU LAC	1	0	0	0.3	B
FOREST	*	*	*	*	*
GRANT	DNC	DNC	DNC	DNC	DNC
GREEN	*	*	*	*	*
JEFFERSON	1	0	0	0.3	B
KENOSHA	22	0	0	7.3	F
KEWAUNEE	11	1	0	4.2	F
LA CROSSE	DNC	DNC	DNC	DNC	DNC
MANITOWOC	12	3	0	5.5	F
MARATHON	1	0	0	0.3	B
MILWAUKEE	22	1	0	7.8	F
ONEIDA	0	0	0	0.0	A
OUTAGAMIE	1	0	0	0.3	B
OZAUKEE	17	3	0	7.2	F

PARTICLE POLLUTION DAYS 2003-2005²

24-Hour					Annual	
Orange	Red	Purple	Wgt. Avg	Grade	Design Value	Pass/Fail
0	0	0	0.0	A	6	PASS
7	0	0	2.3	D	11	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
9	0	0	3.0	D	12	PASS
16	0	0	5.3	F	10.8	PASS
*	*	*	*	*	*	INC
*	*	*	*	*	*	INC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
*	*	*	*	*	*	INC
8	0	0	2.7	D	11.5	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
*	*	*	*	*	*	INC
6	0	0	2.0	C	11.3	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
*	*	*	*	*	*	INC
4	0	0	1.3	C	9.7	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
16	0	0	5.3	F	13.2	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
7	0	0	2.3	D	10.5	PASS
4	0	0	1.3	C	*	INC

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+.

AT-RISK GROUPS¹

County	Total Population	Under 18	65 & Over	Lung Diseases				CV Disease	Diabetes
				Pediatric Asthma	Adult Asthma	Chronic Bronchitis	Emphysema		
RACINE	195,708	49,074	23,673	4,368	13,337	6,056	2,608	46,586	11,102
ROCK	157,538	38,901	20,264	3,462	10,776	4,906	2,154	38,188	9,061
ST CROIX	77,144	19,058	7,074	1,696	5,346	2,340	896	16,542	4,011
SAUK	57,746	13,527	8,450	1,204	3,993	1,850	855	14,958	3,523
SHEBOYGAN	114,610	26,384	15,856	2,348	7,989	3,673	1,653	29,134	6,891
TAYLOR	19,766	4,636	3,082	413	1,362	637	303	5,254	1,232
VERNON	29,055	7,247	4,774	645	1,951	930	460	7,924	1,850
VILAS	22,330	4,018	5,376	358	1,610	804	456	7,554	1,724
WALWORTH	99,844	21,933	12,805	1,952	7,112	3,178	1,354	24,082	5,719
WASHINGTON	126,158	29,900	15,015	2,661	8,759	3,977	1,696	30,430	7,272
WAUKESHA	378,971	88,944	48,812	7,916	26,211	12,191	5,439	96,833	23,062
WAUPACA	52,563	12,013	8,546	1,069	3,642	1,714	829	14,321	3,350
WINNEBAGO	159,482	34,260	20,068	3,049	11,437	5,107	2,158	38,507	9,164
WOOD	75,234	17,040	12,467	1,517	5,218	2,469	1,206	20,797	4,861
TOTALS	4,491,287	1,065,269	564,264	94,809	311,869	140,982	60,812	1,082,670	257,453

(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
RACINE	9	0	0	3.0	D
ROCK	1	0	0	0.3	B
ST CROIX	1	0	0	0.3	B
SAUK	0	0	0	0.0	A
SHEBOYGAN	13	3	0	5.8	F
TAYLOR	DNC	DNC	DNC	DNC	DNC
VERNON	1	0	0	0.3	B
VILAS	0	0	0	0.0	A
WALWORTH	5	0	0	1.7	C
WASHINGTON	1	0	0	0.3	B
WAUKESHA	2	0	0	0.7	B
WAUPACA	DNC	DNC	DNC	DNC	DNC
WINNEBAGO	*	*	*	*	*
WOOD	DNC	DNC	DNC	DNC	DNC

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
*	*	*	*	*	*	INC
1	0	0	0.3	B	*	INC
3	0	0	1.0	C	*	INC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
0	0	0	0.0	A	*	INC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
0	0	0	0.0	A	6.9	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
11	0	0	3.7	F	13.5	PASS
*	*	*	*	*	*	INC
*	*	*	*	*	*	INC
*	*	*	*	*	*	INC

Ozone

- Marathon, St. Croix and Vernon Counties each dropped their grade from an A to a B.
- Green County no longer has sufficient data to grade.
- Jefferson, Dodge, Rock, Waukesha and Washington Counties each improved their grade from a C to a B.
- Racine County's grade improved from an F to a D.

PM

- Taylor, St. Croix and Sauk Counties now have sufficient data to grade.
- Manitowoc and Ozaukee Counties each dropped their grade from an A to a C.
- Kenosha County's grade dropped from a B to a C.
- Grant County's grade dropped from an A to a D.
- Outagamie, Brown and Dane Counties each dropped their grade from a B to a D.
- Waukesha County's grade dropped from a B to an F.
- Dodge and Milwaukee Counties each dropped their grade from a C to an F.
- Ashland County now has sufficient data to grade their annual levels.
- La Crosse and Waupaca Counties now have PM 24-hr and PM Annual monitors, but not enough data to grade.

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**.*

