

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

Iowa

AT-RISK GROUPS¹

County	Total Population	Under 18	65 & Over	Lung Diseases				CV Disease	Diabetes
				Pediatric Asthma	Adult Asthma	Chronic Bronchitis	Emphysema		
BLACK HAWK	125,891	25,902	17,976	2,305	7,260	4,097	1,808	31,788	7,498
BREMER	23,677	4,824	3,898	429	1,357	792	378	6,542	1,531
CERRO GORDO	44,645	9,467	7,854	843	2,518	1,501	748	12,846	2,994
CLINTON	49,717	11,213	7,957	998	2,765	1,628	782	13,544	3,174
EMMET	10,534	2,317	1,964	206	588	351	180	3,060	709
HARRISON	15,884	3,592	2,699	320	881	522	258	4,427	1,033
JOHNSON	117,067	21,214	9,440	1,888	7,122	3,660	1,201	22,724	5,555
LINN	198,903	47,495	25,052	4,227	10,981	6,227	2,688	47,823	11,367
MONTGOMERY	11,313	2,550	2,152	227	624	380	199	3,372	781
MUSCATINE	42,756	10,523	5,382	937	2,331	1,337	585	10,415	2,477
PALO ALTO	9,697	2,038	2,058	181	545	331	179	3,000	689
POLK	401,006	98,938	43,962	8,805	22,002	12,268	5,003	90,401	21,663
POTTAWATTAMIE	89,738	21,334	12,153	1,899	4,943	2,842	1,272	22,442	5,312
SCOTT	160,998	39,085	19,505	3,479	8,825	5,043	2,171	38,820	9,260
STORY	79,952	12,607	8,423	1,122	5,001	2,573	907	16,632	3,996
VAN BUREN	7,786	1,684	1,501	150	435	263	137	2,322	537
WARREN	42,981	9,857	5,282	877	2,401	1,364	583	10,427	2,486
WOODBURY	102,605	27,090	13,157	2,411	5,467	3,121	1,378	24,370	5,772
WRIGHT	13,647	3,036	2,783	270	753	463	249	4,201	968
TOTALS	1,548,797	354,766	193,198	31,574	86,800	48,764	20,706	369,156	87,803

(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
BLACK HAWK	DNC	DNC	DNC	DNC	DNC
BREMER	0	0	0	0.0	A
CERRO GORDO	DNC	DNC	DNC	DNC	DNC
CLINTON	2	0	0	0.7	B
EMMET	DNC	DNC	DNC	DNC	DNC
HARRISON	0	0	0	0.0	A
JOHNSON	DNC	DNC	DNC	DNC	DNC
LINN	0	0	0	0.0	A
MONTGOMERY	0	0	0	0.0	A
MUSCATINE	DNC	DNC	DNC	DNC	DNC
PALO ALTO	0	0	0	0.0	A
POLK	0	0	0	0.0	A
POTTAWATTAMIE	DNC	DNC	DNC	DNC	DNC
SCOTT	0	0	0	0.0	A
STORY	0	0	0	0.0	A
VAN BUREN	1	0	0	0.3	B
WARREN	0	0	0	0.0	A
WOODBURY	DNC	DNC	DNC	DNC	DNC
WRIGHT	DNC	DNC	DNC	DNC	DNC

PARTICLE POLLUTION DAYS 2003-2005²

24-Hour					Annual	
Orange	Red	Purple	Wgt. Avg	Grade	Design Value	Pass/Fail
5	0	0	1.7	C	11.2	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
*	*	*	*	*	*	INC
10	0	0	3.3	F	12.6	PASS
*	*	*	*	*	*	INC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
9	0	0	3.0	D	12.1	PASS
17	0	0	5.7	F	11	PASS
2	0	0	0.7	B	9.8	PASS
12	0	0	4.0	F	13	PASS
*	*	*	*	*	*	INC
10	0	0	3.3	F	10.6	PASS
2	0	0	0.7	B	10.9	PASS
18	0	0	6.0	F	12	PASS
DNC	DNC	DNC	DNC	DNC	DNC	DNC
1	0	0	0.3	B	*	INC
DNC	DNC	DNC	DNC	DNC	DNC	DNC
1	0	0	0.3	B	10.3	PASS
2	0	0	0.7	B	10.5	PASS

Ozone

- Harrison and Scott Counties each improved their grade from a B to an A.

PM

- Emmet and Cerro Gordo Counties no longer have sufficient data to grade.
- Montgomery, Pottawattamie, Van Buren and Woodbury Counties each dropped their grade from an A to a B.
- Wright County now has sufficient data to grade.
- Black Hawk County's grade dropped from an A to a C.
- Johnson County's grade dropped from an A to a D.
- Clinton, Polk, Scott, Linn and Muscatine Counties each dropped their grade from a B to an F.
- Palo Alto County now has PM 24-hr and PM Annual monitors, but not enough data to grade.
- Story County no longer has PM 24-hr and PM Annual monitors.
- Emmet County no longer has sufficient data to grade their annual levels.
- Montgomery and Wright Counties now have 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**.*

