

"The Most Challenging Places to Live with Spring Allergies"

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(columns/factors are not weighted equally)

2009 Spring Rank	Overall	Rank Last Year	Metropolitan Area	Total Score (Avg. 73.27)	Subtotal: Pollen Score* (Avg. 300 grains/cubic meter air daily)	Subtotal: Medicine Utilization per Patient (Avg. 1.13 Medications Per Est. Patient)	Subtotal: Board Certified Allergists per Patient (Avg. 0.82 Board Certified Allergists Per 10,000 Est. Patients)
1	●	21	Louisville, KY	100.00	●	●	◐
2	●	6	Knoxville, TN	99.38	◐	●	◐
3	●	23	Charlotte, NC	95.52	●	●	●
4	●	29	Madison, WI	93.75	●	●	◐
5	●	48	Wichita, KS	92.07	●	●	◐
6	●	16	McAllen, TX	91.85	◐	◐	●
7	●	2	Greensboro, NC	91.23	●	●	●
8	●	64	Dayton, OH	91.20	●	●	●
9	●	9	Little Rock, AR	90.68	◐	●	◐
10	●	4	Augusta, GA	90.46	●	●	○
11	●	25	Philadelphia, PA	90.35	●	●	●
12	●	77	Richmond, VA	89.86	●	◐	●
13	●	5	Jackson, MS	89.86	◐	●	○
14	●	7	Birmingham, AL	89.14	●	●	○
15	●	43	Columbia, SC	88.58	●	●	◐
16	●	26	St. Louis, MO	87.60	●	●	◐
17	●	58	Chattanooga, TN	87.31	○	●	○
18	●	11	Oklahoma City, OK	86.24	●	●	○
19	●	47	Allentown, PA	85.69	●	●	◐
20	●	32	Memphis, TN	83.63	◐	●	◐
21	●	19	Tulsa, OK	83.42	●	◐	◐
22	●	52	Providence, RI	83.21	●	●	●
23	●	8	New Orleans, LA	82.74	○	●	◐
24	●	66	Buffalo, NY	81.95	●	●	○
25	●	17	Greenville, SC	81.21	◐	●	◐
26	●	82	Pittsburgh, PA	80.51	●	◐	◐
27	●	50	Baton Rouge, LA	80.32	◐	●	◐
28	●	27	Scranton, PA	79.87	◐	●	●
29	●	18	Nashville, TN	79.12	◐	●	◐
30	●	45	New York, NY	78.94	◐	●	●

KEY TO ICONS

- Worse than Average
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31	●	34	Virginia Beach, VA	78.56	◐	◐	●
32	●	72	Columbus, OH	78.01	◐	◐	◐
33	◐	30	Rochester, NY	77.58	●	◐	○
34	◐	14	Omaha, NE	77.43	◐	●	◐
35	◐		Akron, OH	77.07	●	◐	●
36	◐	68	Syracuse, NY	77.04	○	●	◐
37	◐	62	Hartford, CT	76.59	●	◐	◐
38	◐	36	Charleston, SC	76.22	◐	●	○
39	◐	71	Cincinnati, OH	74.83	●	◐	◐
40	◐	46	San Antonio, TX	74.82	◐	◐	◐
41	◐	38	Indianapolis, IN	74.69	●	◐	◐
42	◐	75	Albany, NY	74.44	◐	◐	◐
43	◐	67	Des Moines, IA	74.38	○	●	●
44	◐	20	Harrisburg, PA	74.32	◐	◐	○
45	◐		Bridgeport, CT	74.21	●	◐	○
46	◐	37	Cleveland, OH	73.96	●	◐	◐
47	◐	44	Kansas City, MO	73.95	◐	◐	●
48	◐		Poughkeepsie, NY	73.79	◐	◐	●
49	◐	51	Washington, DC	73.25	◐	◐	●
50	◐	22	Dallas, TX	73.17	◐	◐	●
51	◐	84	Toledo, OH	72.80	◐	●	◐
52	◐	65	Tucson, AZ	72.74	●	◐	◐
53	◐	41	Baltimore, MD	72.73	◐	◐	◐
54	◐	78	Raleigh, NC	72.44	◐	◐	◐
55	◐	79	Las Vegas, NV	72.43	◐	◐	●
56	◐	33	Milwaukee, WI	72.37	●	◐	○
57	◐	87	Springfield, MA	72.24	◐	◐	●
58	◐		San Jose, CA	72.00	●	○	○
59	◐	56	Atlanta, GA	70.96	◐	◐	●
60	◐		Portland, ME	70.96	●	◐	◐
61	◐	96	Lancaster, PA	70.68	◐	◐	●
62	◐	85	Modesto, CA	70.53	◐	◐	●
63	◐	80	Jacksonville, FL	70.48	●	◐	◐
64	◐	99	San Francisco, CA	70.46	●	○	●
65	◐	61	Grand Rapids, MI	69.33	○	◐	◐
66	◐	24	Tampa, FL	67.95	◐	◐	◐
67	◐	88	Youngstown, OH	67.57	○	◐	◐

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68	●	76	El Paso, TX	67.52	●	●	●
69	●	60	Detroit, MI	67.51	○	●	●
70	○	91	Phoenix, AZ	65.97	●	○	●
71	○	54	Austin, TX	65.86	○	●	●
72	○	49	Albuquerque, NM	65.16	●	●	●
73	○	39	Houston, TX	65.11	○	●	●
74	○	69	Salt Lake City, UT	65.09	●	●	○
75	○	40	Lakeland, FL	65.03	●	○	●
76	○		Ogden, UT	64.55	●	○	●
77	○	93	Portland, OR	64.29	●	○	●
78	○		Worcester, MA	63.85	○	●	●
79	○	73	Chicago, IL	63.69	●	●	●
80	○	15	Stockton, CA	63.51	●	●	●
81	○	59	Boston, MA	63.38	○	●	●
82	○	70	Minneapolis, MN	62.58	○	●	●
83	○	95	Orlando, FL	62.13	○	●	●
84	○	98	Bakersfield, CA	61.40	●	○	●
85	○	92	Fresno, CA	61.02	○	●	●
86	○		Cape Coral, FL	60.17	●	○	●
87	○	42	Sacramento, CA	60.12	●	○	●
88	○	97	Sarasota, FL	59.39	●	○	●
89	○	90	Seattle, WA	58.19	○	●	●
90	○	86	Los Angeles, CA	57.78	●	○	●
91	○		Riverside, CA	57.77	●	○	●
92	○	63	Denver, CO	57.58	●	○	●
93	○	89	Colorado Springs, CO	56.69	●	○	●
94	○		Palm Bay, FL	56.55	○	○	●
95	○		Oxnard, CA	55.17	●	○	●
96	○	74	Boise City, ID	54.97	○	○	●
97	○	83	Miami, FL	51.04	○	○	●
98	○	31	Daytona Beach, FL	50.62	○	○	●
99	○	10	San Diego, CA	49.20	●	○	○
100	○		New Haven, CT	41.36	●	●	○

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*2009 Rank - Rankings for the Allergy Capitals™ are based on analysis of data from factors including: Prevalence Data, Seasonal Pollen, Allergy Medicine Utilization per Patient, and the number of Board Certified Allergists per patient. Weights were applied to each factor and a composite final score was calculated for each Metropolitan Statistical Area (MSA).*

*Total Score - Final total scores and subtotals were rescaled assigning 100 points to the largest score and presenting all other scores as a percentage of the largest. The metro area with a total score of 100 points did not necessarily have the "most severe" score for all factors, but, rather, the highest total weighted final score overall.*

*Pollen Score\* - Quantitative data analysis of average recorded pollen/mold spore levels and predicted prevalence for certain types of pollens/molds over the most recent spring season and the duration of the peak season for the most allergenic pollen types; this score also takes into consideration local prevalence statistics for people affected by allergies to pollen.*

*Medicine Utilization per Patient Score - Quantitative data analysis of recorded per capita utilization of recorded pharmacy data for prescription (RX) and over-the-counter (OTC) medicines in each metro area during the most recent spring season, including oral, nasal and ocular antihistamines, corticosteroids and non-steroidal medications.*

*Board Certified Allergists per Patient Score - Quantitative data analysis for the most recent spring season of the number of Board Certified allergy and immunology specialists per 10,000 estimated patients.*

#### **GOVERNMENTAL SOURCES:**

*National Institute of Allergy and Infectious Diseases, National Institutes of Health, Allergic Rhinitis Information (2009)*

*U.S. Department of Commerce, Bureau of the Census, U.S. Census 2000, 2008 Updates*

*U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Air Resources Laboratory (ARL), Air Stagnation Climatology for the U.S. (2008)*

*U.S. Environmental Protection Agency, Status and Trends, Latest Findings on National Air Quality (2008)*

#### **NON-GOVERNMENTAL SOURCES:**

*Asthma and Allergy Foundation of America, "Asthma and Allergy Answers" (2009)*

*American Board of Medical Specialties, Specialist Database (2008)*

#### **INDUSTRY SOURCES:**

*Surveillance Data Inc./Pollen.com (2008)*

*IMS Health (2008)*