

**"The Most Challenging Places to Live with Fall Allergies"**

Worse than Average ●  
Average ◐  
Better than Average ○

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(Factors are not weighted equally)

2010 Fall Rank	Overall	Rank Last Year	Metropolitan Area	Total Score (Avg. 70.50)	Subtotal: Pollen Score* (Avg. 300 grains/cubic meter air daily)	Subtotal: Medicine Utilization per Patient (Avg. 1.1 Medications Per Est. Patient)	Subtotal: Board Certified Allergists per Patient (Avg. 0.92 Board Certified Allergists Per 10,000 Est. Patients)
1	●	6	Dayton, OH	100.00	●	●	●
2	●	2	Wichita, KS	97.58	●	●	◐
3	●	3	Louisville, KY	96.61	●	●	◐
4	●	9	Knoxville, TN	95.63	◐	●	○
5	●	5	Jackson, MS	95.01	◐	●	○
6	●	1	McAllen, TX	93.69	●	●	●
7	●	11	Madison, WI	92.62	●	●	○
8	●	79	Springfield, MA	91.20	●	◐	●
9	●	17	St. Louis, MO	90.64	●	◐	◐
10	●	4	Oklahoma City, OK	87.98	●	●	○
11	●	28	Philadelphia, PA	86.30	●	●	●
12	●	8	Tulsa, OK	85.80	●	◐	◐
13	●	22	Chattanooga, TN	85.76	◐	●	○
14	●	21	Memphis, TN	84.68	◐	●	◐
15	●	25	Greensboro, NC	84.57	◐	●	●
16	●	16	Charlotte, NC	84.20	◐	●	●
17	●	30	New York, NY	83.91	●	◐	●
18	●	18	Birmingham, AL	83.58	◐	●	◐
19	●	15	Baton Rouge, LA	83.24	◐	●	◐
20	●	32	Richmond, VA	82.85	●	◐	●
21	●	14	New Orleans, LA	82.68	◐	●	○
22	●	26	Omaha, NE	81.43	●	●	◐
23	●	23	Des Moines, IA	81.36	◐	●	●
24	●	29	Kansas City, MO	81.15	◐	◐	●
25	●	10	Little Rock, AR	80.53	◐	●	○
26	●	27	Columbia, SC	80.20	●	●	◐
27	●	20	Virginia Beach, VA	79.92	●	◐	●
28	●	56	Providence, RI	79.39	◐	●	●
29	●	31	Poughkeepsie, NY	79.30	●	◐	●
30	●	12	San Antonio, TX	79.10	●	●	◐
31	●	34	Allentown, PA	79.10	●	◐	◐
32	●	41	Houston, TX	77.96	◐	◐	●
33	●	13	Dallas, TX	77.48	●	◐	●
34	●	39	Syracuse, NY	76.59	◐	●	◐
35	◐	19	El Paso, TX	76.47	●	◐	○
36	◐	33	Indianapolis, IN	75.94	●	◐	◐
37	◐	52	Detroit, MI	74.76	◐	◐	●
38	◐	38	Grand Rapids, MI	74.51	●	◐	◐
39	◐	7	Augusta, GA	74.45	○	●	○

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40	●	57	Scranton, PA	74.10	●	●	●
41	●	42	Buffalo, NY	73.91	●	●	○
42	●	45	Columbus, OH	73.63	●	●	●
43	●	44	Charleston, SC	73.15	●	●	○
44	●	96	Greenville, SC	73.05	●	●	●
45	●	49	Toledo, OH	70.89	●	●	○
46	●	60	Pittsburgh, PA	70.72	●	●	●
47	●	76	Lancaster, PA	70.67	●	●	●
48	●	51	Milwaukee, WI	70.51	●	●	○
49	●	37	Nashville, TN	70.08	○	●	●
50	●	81	Youngstown, OH	69.82	●	●	●
51	●	24	Austin, TX	69.50	●	●	●
52	●	66	Rochester, NY	69.10	●	●	○
53	●	50	Atlanta, GA	68.94	○	●	●
54	●	47	Riverside, CA	68.70	●	○	●
55	●	36	Bakersfield, CA	68.54	●	○	●
56	●	53	Washington, DC	68.39	●	●	●
57	●	54	Jacksonville, FL	67.89	●	●	●
58	●	70	Hartford, CT	67.68	●	●	●
59	●	64	Akron, OH	67.38	●	●	●
60	●	62	Baltimore, MD	67.25	●	●	●
61	●	48	Orlando, FL	66.73	●	●	●
62	●	55	Las Vegas, NV	66.32	○	●	●
63	●	73	New Haven, CT	66.22	●	●	○
64	●	59	Cincinnati, OH	65.82	●	●	●
65	●	67	Modesto, CA	65.50	○	●	●
66	●	72	Chicago, IL	65.10	●	●	●
67	●	40	Tucson, AZ	64.75	●	●	●
68	●	77	Harrisburg, PA	64.61	●	●	○
69	●	35	Cape Coral, FL	64.52	●	○	●
70	●	83	Cleveland, OH	64.17	●	●	●
71	●	75	Minneapolis, MN	63.92	●	●	●
72	●	46	Lakeland, FL	63.27	●	●	●
73	●	43	Tampa, FL	63.20	●	●	●
74	○	89	Portland, ME	61.16	●	●	●
75	○	58	Los Angeles, CA	61.08	●	○	●
76	○	68	Albuquerque, NM	60.81	●	●	●
77	○	86	Bridgeport, CT	60.66	●	●	○
78	○	78	San Francisco, CA	59.87	●	○	●
79	○	80	Raleigh, NC	59.84	○	●	●
80	○	84	Denver, CO	58.30	●	○	●
81	○	63	Oxnard, CA	57.38	●	○	●
82	○	65	Phoenix, AZ	57.00	○	●	●
83	○	91	Boston, MA	56.53	○	●	●
84	○	74	Fresno, CA	56.36	○	●	●
85	○	69	Palm Bay, FL	56.11	●	●	●
86	○	88	Worcester, MA	55.88	○	●	●
87	○	93	Ogden, UT	55.74	○	○	●
88	○	90	Miami, FL	55.55	○	●	●
89	○	71	Boise City, ID	54.42	●	○	●

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90	○	61	Sarasota, FL	54.16	◐	○	◐
91	○	85	Daytona Beach, FL	53.28	◐	○	◐
92	○	87	Colorado Springs, CO	53.05	◐	○	◐
93	○	82	San Jose, CA	52.42	◐	○	○
94	○	92	Stockton, CA	51.19	○	○	◐
95	○	94	Salt Lake City, UT	50.87	○	○	◐
96	○	99	Albany, NY	48.24	◐	○	◐
97	○	95	Sacramento, CA	45.26	○	○	◐
98	○	97	San Diego, CA	43.31	○	○	○
99	○	98	Seattle, WA	41.35	○	○	◐
100	○	100	Portland, OR	34.49	○	○	◐

2010 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. (Regarding daily pollen counts: previous studies have shown that daily pollen concentrations of 150+ grains per cubic meter of airborne allergenic pollen is a sufficiently high concentration which can trigger allergy symptoms in a large percentage of the allergic population.)

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:**

- U.S. Centers for Disease Control and Prevention, 2008 National Health Interview Survey (2009)
- National Institute of Allergy and Infectious Diseases, National Institutes of Health, Allergic Rhinitis Information (2010)
- U.S. Department of Commerce, Bureau of the Census, U.S. Census 2000, 2009 Updates
- U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Air Resources Laboratory (ARL), Air Stagnation Climatology for the U.S. (2009)
- U.S. Environmental Protection Agency, Status and Trends, Latest Findings on National Air Quality (2009)


**NON-GOVERNMENTAL SOURCES:**

- Asthma and Allergy Foundation of America, "Asthma and Allergy Answers" (2010)
- American Board of Medical Specialties, Specialist Database (2009)

**INDUSTRY SOURCES:**

- Surveillance Data Inc./Pollen.com (2009)
- IMS Health (2009)

AAFA is solely responsible for the contents of this report. AAFA, Founded in 1953, is the leading national advocacy organization for the allergy community in the U.S. AAFA provides education, promotes advocacy and funds research.

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