

Worse than Average ●  
Average ◐  
Better than Average ○

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(Factors are not weighted equally)

2013 Spring Rank	Overall	Rank Last Year	Metropolitan Area	Total Score (Avg. 57.71)	Subtotal: Pollen Score* (Avg. 300 grains/cubic meter air daily)	Subtotal: Medicine Utilization per Patient (Avg. 1.04 Medications Per Est. Patient)	Subtotal: Board Certified Allergists per Patient (Avg. 1.05 Board Certified Allergists Per 10,000 Est. Patients)
1	●	4	Jackson, MS	100.00	●	●	○
2	●	1	Knoxville, TN	99.62	●	●	○
3	●	7	Chattanooga, TN	94.41	●	●	○
4	●	2	McAllen, TX	91.37	●	●	●
5	●	3	Louisville, KY	91.13	●	●	○
6	●	5	Wichita, KS	90.40	●	●	◐
7	●	10	Dayton, OH	88.33	●	●	●
8	●	8	Memphis, TN	86.03	●	●	◐
9	●	6	Oklahoma City, OK	84.83	●	●	○
10	●	11	Baton Rouge, LA	83.27	◐	●	○
11	●	17	Little Rock, AR	79.74	●	●	○
12	●	19	Madison, WI	79.25	●	●	○
13	●	14	New Orleans, LA	78.83	◐	●	○
14	●	12	Birmingham, AL	78.57	◐	●	○
15	●	25	Buffalo, NY	78.43	●	●	○
16	●	13	Providence, RI	77.79	●	●	●
17	●	35	Grand Rapids, MI	77.24	●	◐	◐
18	●	74	Springfield, MA	76.38	●	◐	●
19	●	21	Greenville, SC	76.01	◐	●	○
20	●	16	Virginia Beach, VA	75.53	◐	◐	●
21	●	28	Tulsa, OK	75.27	●	◐	◐
22	●	46	Richmond, VA	75.23	●	◐	○
23	●	24	Dallas, TX	74.88	●	◐	●
24	●	9	San Antonio, TX	74.64	●	●	○
25	●	30	Philadelphia, PA	74.52	◐	●	◐
26	●	50	Detroit, MI	74.00	◐	●	●
27	●	38	Youngstown, OH	73.81	●	◐	●
28	●	51	Omaha, NE	73.61	◐	●	○
29	◐	57	Toledo, OH	72.76	◐	●	◐
30	◐	49	Des Moines, IA	72.14	◐	●	◐
31	◐	29	St. Louis, MO	72.10	●	◐	○
32	◐	37	Charleston, SC	71.96	◐	●	○
33	◐	32	Augusta, GA	71.92	○	●	○
34	◐	27	Columbia, SC	71.56	◐	●	◐
35	◐	18	Hartford, CT	71.33	●	◐	◐
36	◐	45	Nashville, TN	71.27	○	●	○
37	◐	54	Rochester, NY	71.12	●	◐	○
38	◐	20	New Haven, CT	70.84	●	◐	○
39	◐	33	Pittsburgh, PA	70.69	●	◐	◐

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40	◐	23	Charlotte, NC	70.55	◐	●	◐
41	◐	15	Syracuse, NY	70.44	◐	◐	◐
42	◐	22	Greensboro, NC	70.23	◐	●	◐
43	◐	39	New York, NY	69.85	○	●	●
44	◐	53	Akron, OH	69.78	●	◐	◐
45	◐	41	Allentown, PA	68.53	◐	◐	◐
46	◐	40	Poughkeepsie, NY	68.14	○	◐	●
47	◐	56	Cleveland, OH	67.79	●	◐	◐
48	◐	36	Bridgeport, CT	67.35	●	◐	○
49	◐	43	Riverside, CA	67.1	◐	○	●
50	◐	44	Scranton, PA	65.95	◐	◐	●
51	◐	55	Portland, ME	65.68	●	◐	◐
52	◐	48	Jacksonville, FL	65.07	●	●	○
53	◐	31	Albany, NY	64.73	●	◐	○
54	◐	68	Kansas City, MO	64.5	◐	◐	◐
55	◐	42	Las Vegas, NV	64.44	◐	○	●
56	◐	69	Columbus, OH	64.02	◐	●	○
57	◐	61	Harrisburg, PA	63.12	◐	◐	◐
58	◐	47	Houston, TX	62.85	◐	◐	◐
59	◐	79	Indianapolis, IN	61.51	○	◐	◐
60	◐	64	Minneapolis, MN	61.38	●	○	●
61	◐	67	Tucson, AZ	61.30	◐	◐	○
62	◐	76	Chicago, IL	60.95	◐	◐	◐
63	◐	81	Ogden, UT	60.8	◐	○	●
64	◐	26	Austin, TX	60.74	◐	◐	○
65	◐	70	Fresno, CA	60.45	◐	◐	◐
66	◐	66	Washington, DC	60.39	●	◐	●
67	◐	84	Baltimore, MD	60.37	◐	◐	○
68	◐	92	Milwaukee, WI	60.29	◐	◐	○
69	◐	87	Cincinnati, OH	60.01	○	◐	○
70	◐	75	Lancaster, PA	59.32	◐	○	●
71	◐	71	Miami, FL	59.21	◐	◐	●
72	◐	73	Atlanta, GA	58.91	○	◐	●
73	◐	58	Cape Coral, FL	58.79	◐	○	●
74	◐	59	Lakeland, FL	58.56	◐	◐	●
75	◐	72	Phoenix, AZ	58.49	○	◐	●
76	◐	65	Tampa, FL	58.35	◐	◐	◐
77	◐	63	Los Angeles, CA	58.23	◐	○	◐
78	◐	86	Worcester, MA	58.13	◐	◐	◐

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79	◐	52	Albuquerque, NM	57.51	◐	◐	○
80	◐	34	El Paso, TX	57.38	◐	◐	◐
81	◐	62	Modesto, CA	57.24	○	◐	●
82	◐	60	Bakersfield, CA	56.82	◐	○	●
83	◐	88	Boston, MA	56.14	◐	◐	○
84	◐	83	San Francisco, CA	55.06	◐	○	●
85	◐	96	Salt Lake City, UT	54.83	◐	○	◐
86	◐	80	Orlando, FL	53.85	○	◐	●
87	◐	85	Raleigh, NC	53.31	○	◐	◐
88	○	78	San Jose, CA	52.68	◐	○	◐
89	○	93	Colorado Springs, CO	52.32	●	○	○
90	○	77	Oxnard, CA	52.19	◐	○	◐
91	○	97	Denver, CO	52.17	●	○	○
92	○	82	Stockton, CA	51.48	○	○	◐
93	○	95	Seattle, WA	51.11	○	○	●
94	○	89	Sacramento, CA	50.23	○	○	◐
95	○	91	Palm Bay, FL	47.96	○	○	●
96	○	90	Sarasota, FL	47.55	◐	○	◐
97	○	94	San Diego, CA	47.42	◐	○	○
98	○	100	Portland, OR	46.81	◐	○	◐
99	○	99	Boise, ID	46.77	○	○	●
100	○	98	Daytona Beach, FL	43.8	○	○	◐

2013 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) allergy medicines in each metro area during the most recent spring season. Also includes over-the-counter (OTC) and behind-the-counter (BTC) allergy medication sales at the pharmacy counter.

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 (2012)

U.S. Department of Commerce, Bureau of the Census, U.S. Census 2000, 2011 Updates

U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Air Resources Laboratory (ARL), Air Stagnation Climatology for the U.S. (2012)

U.S. Environmental Protection Agency, Status and Trends, Latest Findings on National Air Quality (2012)

#### NON-GOVERNMENTAL SOURCES:

Asthma and Allergy Foundation of America, "Asthma and Allergy Answers™" (2013)

American Board of Medical Specialties, Specialist Database (2012)

#### INDUSTRY SOURCES:

IMS/SDI Pollen.com Database (2012)

IMS Medication Database (2012)\*

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This report is an independent research project of AAFA sponsored by DYMISTA™, the first and only seasonal allergy spray to block histamine and treat inflammation for effective relief of seasonal allergy symptoms.



#### INDICATION

Dymista Nasal Spray is indicated for the relief of symptoms of seasonal allergic rhinitis in patients 12 years of age and older who require treatment with both azelastine hydrochloride and fluticasone propionate for symptomatic relief.

#### IMPORTANT RISK INFORMATION

- Dymista Nasal Spray can cause drowsiness. Do not drive, operate machinery, or do anything that you need to be alert for until you know how Dymista Nasal Spray affects you
- Do not drink alcohol or take any other medicines that can cause you to feel sleepy while using Dymista Nasal Spray. This can increase your chances of having serious side effects
- Tell your healthcare provider if you have any side effects that bother you or any side effects that do not go away
- Tell your doctor if you are pregnant or plan to become pregnant; it is not known if Dymista Nasal Spray will harm your unborn baby
- The most common side effects with Dymista are changes in taste, nosebleeds, and headache
- Dymista Nasal Spray may also cause the following side effects:
  - **Nasal problems.** Symptoms of nasal problems include crusting in the nose, nosebleeds, runny nose, or a hole in the cartilage between your nostrils (nasal septal perforation). A whistling sound when you breathe may be a symptom of nasal septal perforation
  - **Slow wound healing.** If you have a sore in your nose, if you have had surgery on your nose, or if your nose has been injured, you should not use Dymista Nasal Spray until your nose has healed
  - **Thrush (Candida), a fungal infection in your nose, mouth, or throat.** Tell your doctor if you have any redness or white-colored patches in your nose, mouth, or throat
  - **Eye problems.** Some people may experience eye problems, including glaucoma or cataracts. You should have regular eye exams when using Dymista Nasal Spray
  - **Immune system problems.** Dymista Nasal Spray may cause problems with the way your immune system protects your body against infection.  
Use caution when taking Dymista if you have an existing infection (eg, fungal, bacterial, viral, or parasitic). When using Dymista Nasal Spray, avoid contact with people who have contagious diseases such as chicken pox or measles. Symptoms of infection may include fever, aches and pains, chills, or feeling tired
  - **Adrenal insufficiency.** Adrenal insufficiency is a condition in which the adrenal glands do not make enough steroid hormones. Symptoms of adrenal insufficiency may include tiredness, weakness, nausea, vomiting, or low blood pressure
  - **Slowed or delayed growth in children.** A child's growth should be checked regularly when using Dymista Nasal Spray
- These are not all of the possible side effects of Dymista Nasal Spray. For more information, ask your healthcare provider or pharmacist
- Call your doctor for medical advice about side effects. You may report side effects to the FDA at 1-800-FDA-1088