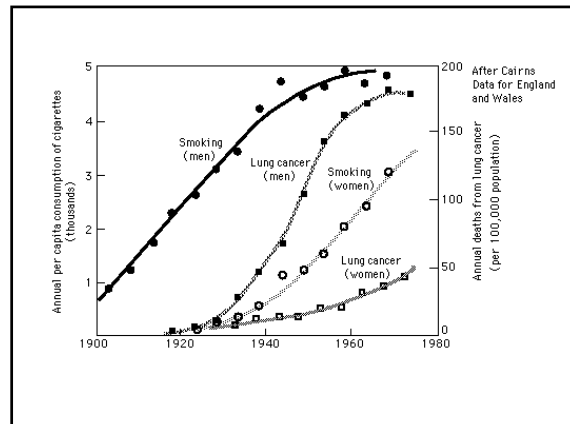


Ground Zero

Each Of Us Breathes About 3,000 Gallons of Air Every Day



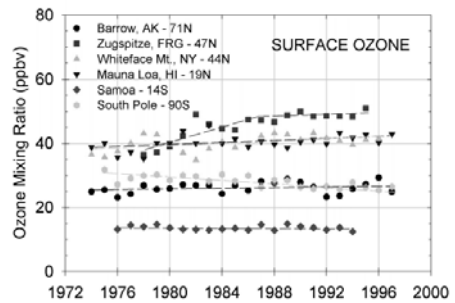
Healthy Tissue



Healthy Tissue  
90-year-old  
schoolteacher



Progressive  
massive fibrosis  
40-year-old-miner



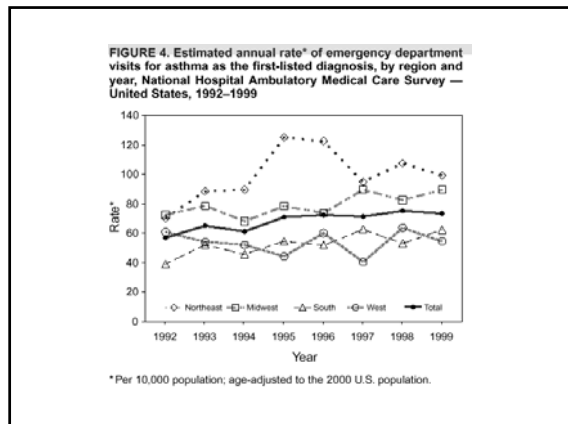
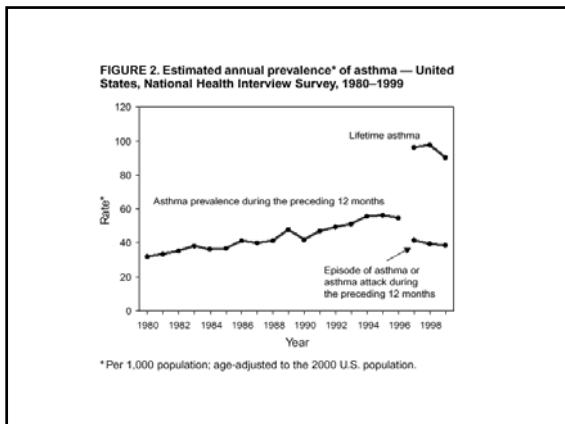
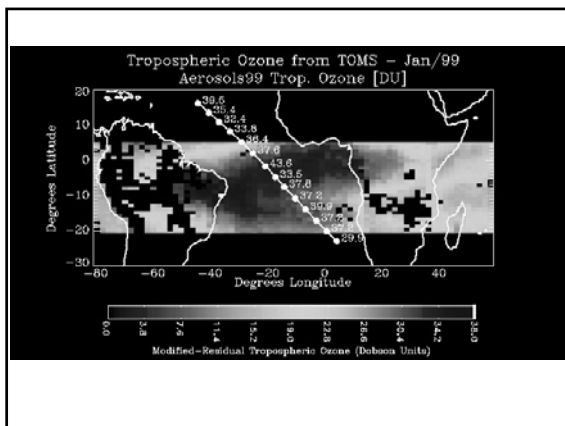
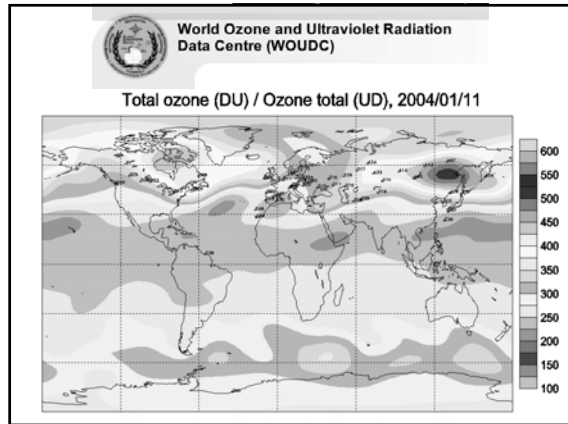
**CMDL**  
Climate Monitoring & Diagnostics Laboratory  
Ozone & Water Vapor  
U.S. Dept. of Commerce / NOAA / OAR / CMDL / OZWV

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**Trends of ozone in the troposphere**

S. J. Oltmans, A. S. Lefohn, H. E. Scheel, J. M. Harris, H. Levy II, E. Galbally, E.-G. Brunke, C. P. Meyer, J. A. Lathrop, B. J. Johnson, D. S. Shadwick, E. Cuevas, F. J. Schmidlin, D. W. Tarasick, H. Claude, J. B. Kerr, O. Uchino, V. Mohren

Reprinted from  
**Geophysical Research Letters**  
Volume 25, Number 2, January 15, 1998

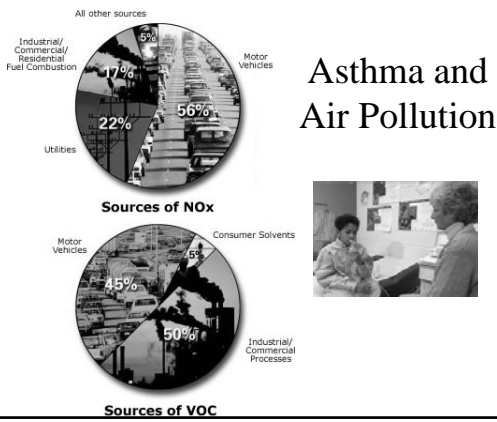


**FIGURE 1. Geographical regions of the United States\* as used in this report**

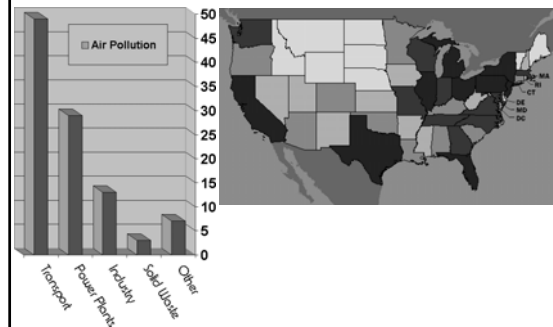


**Surveillance for Asthma --- United States, 1980--1999**

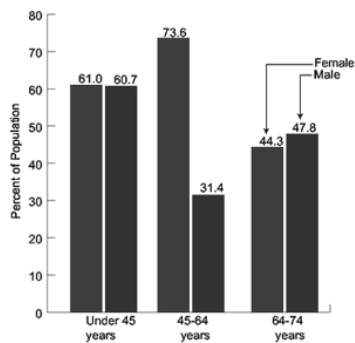
David M. Mannino, M.D.  
 David M. Homa, Ph.D.  
 Lora J. Akhiani, M.D.  
 James E. Moorman, M.S.  
 Sharon Gwynn, Ph.D.  
 Stephen C. Reid, M.D.  
 Division of Environmental Hazards and Health Effects  
 National Center for Environmental Health



**Air Pollution In The USA**



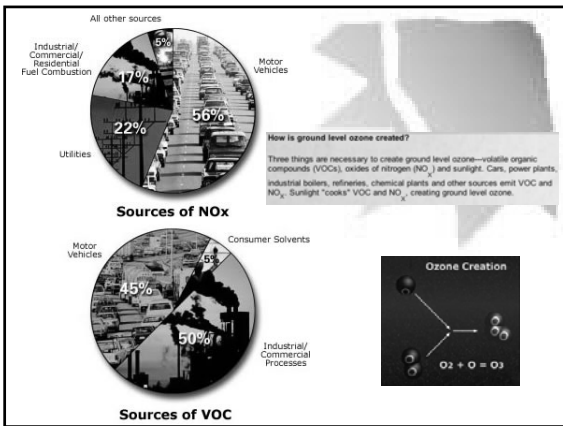
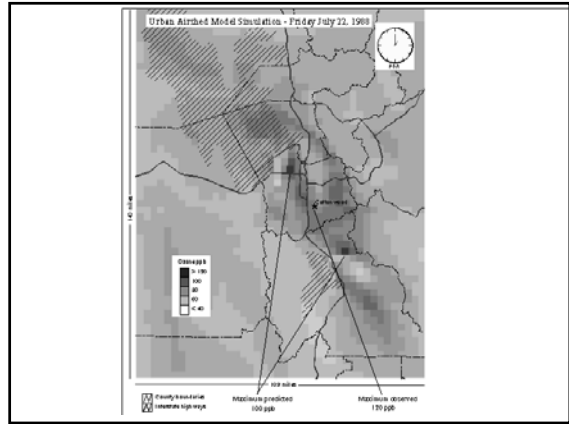
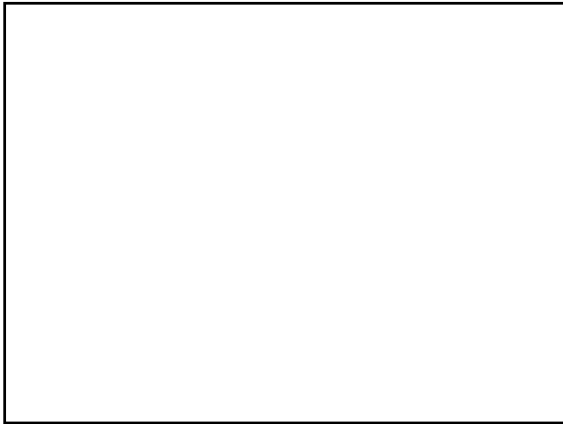
**Persons Diagnosed with Asthma, by Age and Sex, 1999**  
 Source (11.20): National Health Interview Survey



**Asthma In New Jersey**

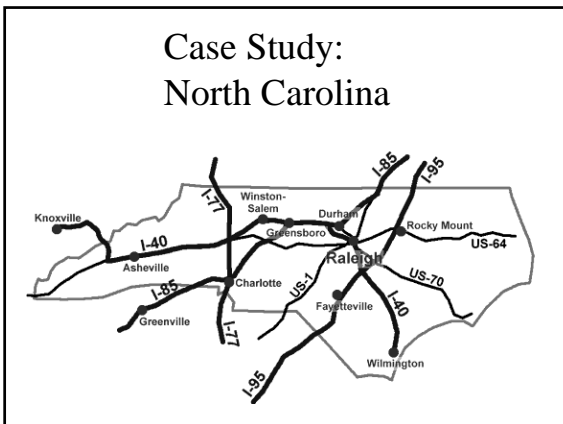
High Ozone Days | At-Risk Groups | 2003 Changes

County	Grade	Wgt. Avg.	Orange Days	Red Days	Purple Days	Years in Previous Reports						
						(1998-2000) Grade	(1997-1999) Wgt. Avg.	(1996-1998) Wgt. Avg.				
ATLANTIC	F	8.7	26	0	0	F	13	F	16.3	F	16.3	
BERGEN	*	*	*	*	*	*	*	*	*	*	D	3
CAMDEN	F	23	48	14	0	F	25.5	F	30.2	F	F	25.2
CUMBERLAND	F	12.5	30	5	0	F	13.2	F	16.7	F	F	12.8
ESSEX	*	*	*	*	*	*	*	F	6.2	F	F	4.8
GLOUCESTER	F	16.3	37	8	0	F	17.8	F	21.8	F	F	18
HUDSON	F	9.8	20	5	1	F	10	F	12.3	F	F	7.5
HUNTERDON	F	15.3	37	6	0	F	18.2	F	21.8	F	F	16.2
MERCER	F	18.7	35	10	3	F	19.2	F	21.3	F	F	15.5
MIDDLESEX	F	18.5	38	9	2	F	17.5	F	19.7	F	F	14.2
MONMOUTH	F	9	21	4	0	F	12.5	F	15.2	F	F	15.2
MORRIS	F	14.3	34	6	0	F	16.8	F	18.8	F	F	15.2
OCEAN	F	20	40	12	1	F	22.2	F	25.8	F	F	22.3
PASSAIC	F	8	24	0	0	F	8	*	*	*	*	*



Knoxville, TN - A new study\* released today by the American Lung Association (ALA) finds that ten cities in the Southeast rank in the top 25 for worst ozone pollution. In addition, ten counties in the Southeast with ozone monitors received a "Failing" grade from ALA for air quality. The report ranks four Tennessee cities, two Georgia cities, and three North Carolina cities in the top 25. Eleven counties in Florida

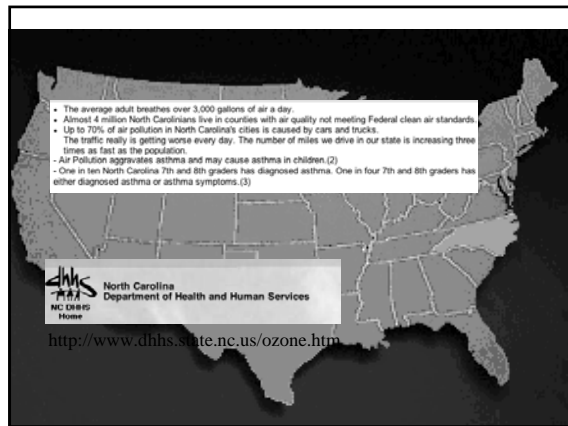
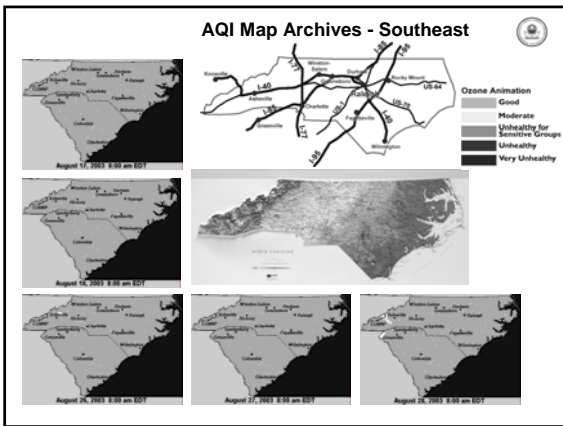
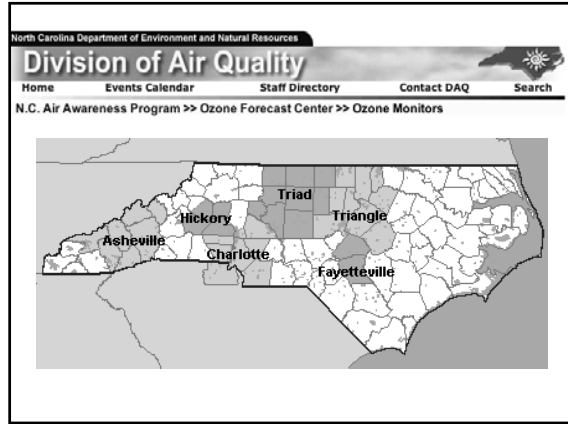
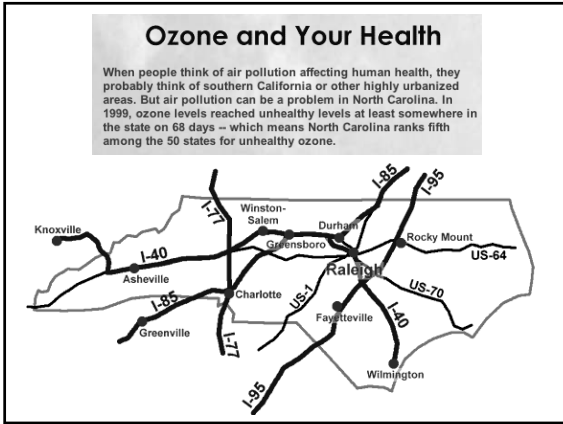
\* 2002 study by ALA



**New Study Shows Southeast Cities Worst in Nation for Air Pollution**  
**Groups Call for Senators to Support Power Plant Clean Up**

The Southeast cities ranking in the top 25 worst polluted in the U.S. are as follows:

- # 6 Atlanta, Georgia
- # 8 Knoxville, Tennessee
- # 13 Raleigh-Durham-Chapel Hill, North Carolina
- # 18 Nashville, Tennessee
- # 19 Memphis, Tennessee
- # 21 Birmingham, Alabama
- # 21 Greensboro-Winston-Salem-High Point, North Carolina
- # 24 Macon, Georgia
- # 24 Chattanooga, Tennessee

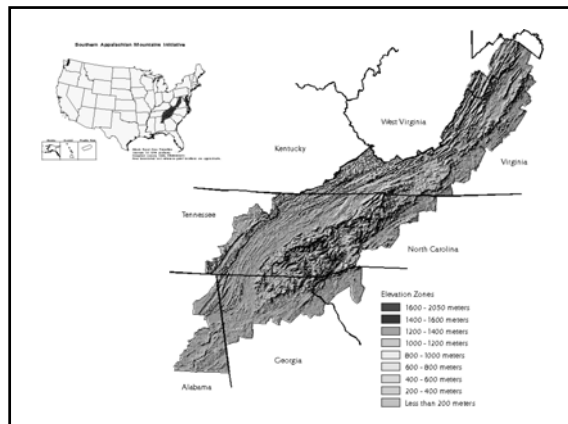


### New Study Shows Southeast Cities Worst in Nation for Air Pollution

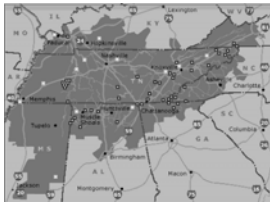
Groups Call for Senators to Support Power Plant Clean Up

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- #6 Atlanta, Georgia
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- #24 Macon, Georgia
- #24 Chattanooga, Tennessee



## Tennessee Valley Authority



Interactive Map

- |                    |                  |                       |
|--------------------|------------------|-----------------------|
| <b>Reservoirs</b>  | Nitajack         | <b>Fossil Plants</b>  |
| Apalachia          | Notchucky        | Abun                  |
| Bear Creek         | Normandy         | Bull Run              |
| Beaver Creek       | North            | Clubb                 |
| Beech              | Notley           | Comberland            |
| Blue Ridge         | Ocoee 1          | Galede                |
| Boone              | Ocoee 2          | John Sevier           |
| Cedar              | Ocoee 3          | Johnstonville         |
| Cedar Creek        | Pickwick         | Kemper                |
| Chattuga           | Pine Creek       | Kingsport             |
| Chickamauga        | Pine             | Lagoon Creek          |
| Clear Creek        | Raccoon Mtn. *   | Paradise              |
| Douglas            | Redbud           | Shavers Fork          |
| Douglas            | South Hixson     | Widows Creek          |
| Furness *          | Sylamore         |                       |
| Fort Loudoun       | Tellico          | <b>Nuclear Plants</b> |
| Fort Patrick Henry | Tims Ford        | Browns Ferry          |
| Great Falls        | Upper Bear Creek | Sequoyah              |
| Guntersville       | Wauhatchie       | Watts Bar             |
| Hawesee            | Watts Bar        |                       |
| Kentucky *         | Whitler          |                       |
| Little Bear Creek  | Wilbur           |                       |
| Lost Creek         | Wilson           |                       |
| Melton Hill        |                  |                       |

\* Visitor Centers at these sites are open except during high security alerts.

American Geophysical Union

### NEWS

5 January 2004  
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For Immediate Release

Contact: Harvey Leffert  
\*1 (202) 777-7507  
[leffert@agu.org](mailto:leffert@agu.org)

#### Ozone Standards Pose Health Risks, Scientists Report

WASHINGTON - The air Americans breathe contains more ozone from pollution than the Environmental Protection Agency estimates, Harvard scientists report. Ozone can cause pain, breathing difficulties, and coughing. It can damage the lungs, EPA warns on its Web site, and it can also make one susceptible to respiratory infections. Those active outdoors are particularly at risk for exposure, the agency says.