

Childhood Asthma Missouri and Kansas City

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Disclosure

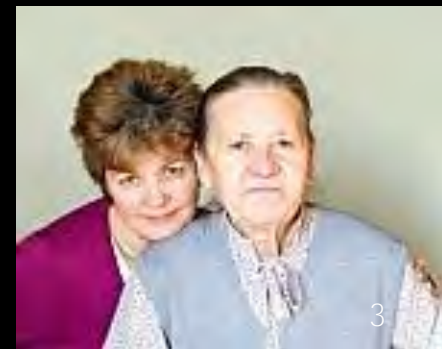
- Dr. Homan has no disclosures.
- Dr. Homan will not discuss experimental or off-label use of medications or devices

Current Asthma in Missouri

More than
500,000 people



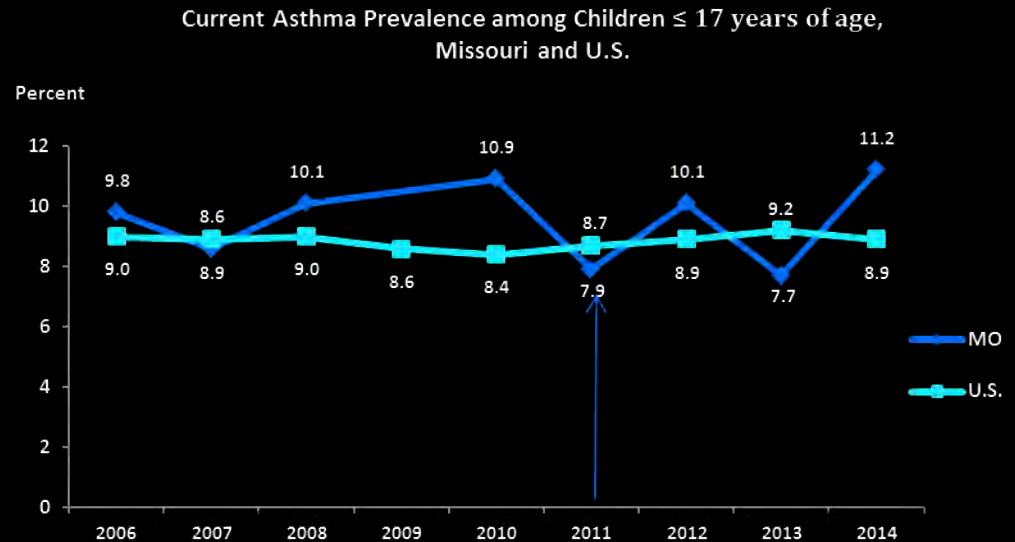
more than 152,000 are children



Centers for Disease Control and Prevention, 2014

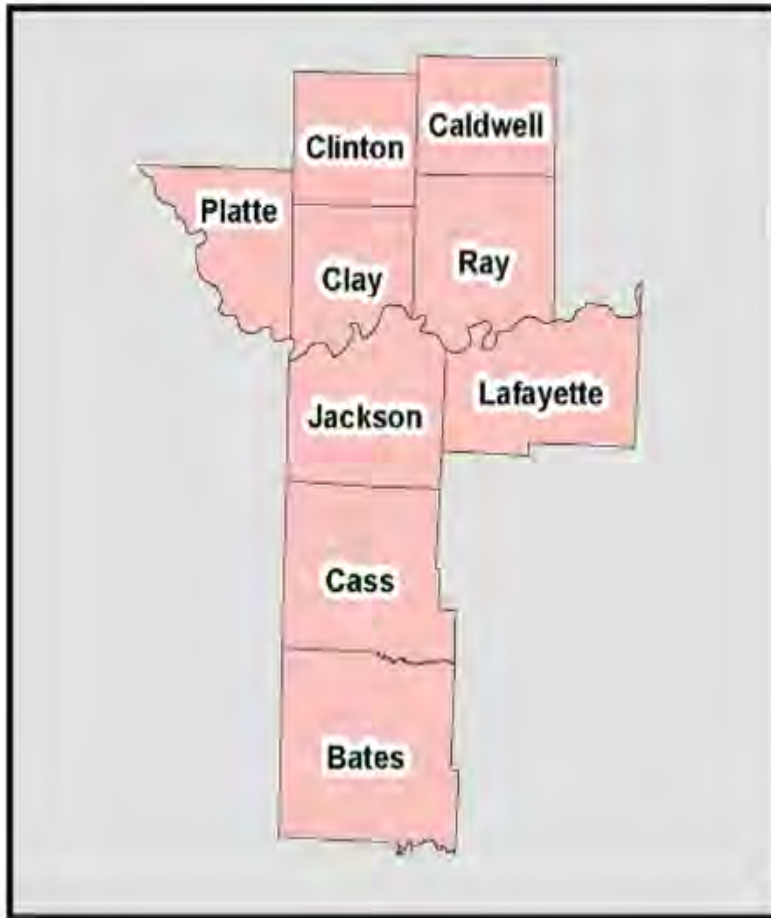
Childhood Asthma Trends

The prevalence in Missouri has fluctuated since 2011 with no clear trend



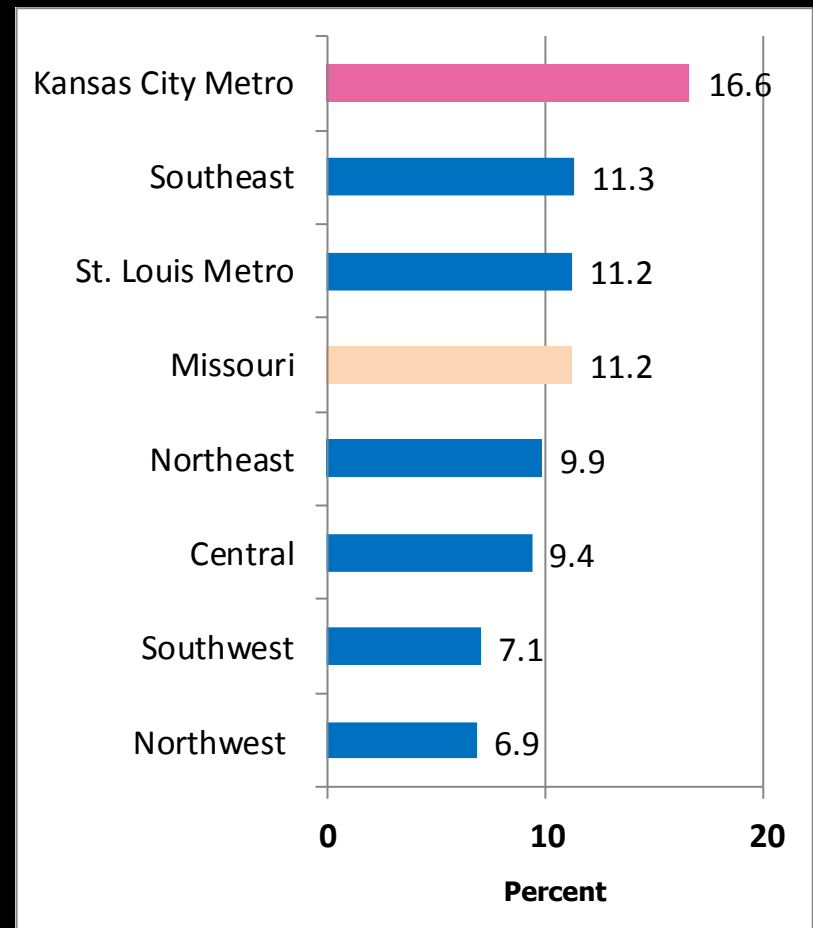
KC Metro Region Current Asthma Prevalence

Children, age ≤ 18



2014	Adults %	Children %
KC Metro	11.4	16.6
MO	9.7	11.2

Current Childhood Asthma by Region, Missouri, 2014

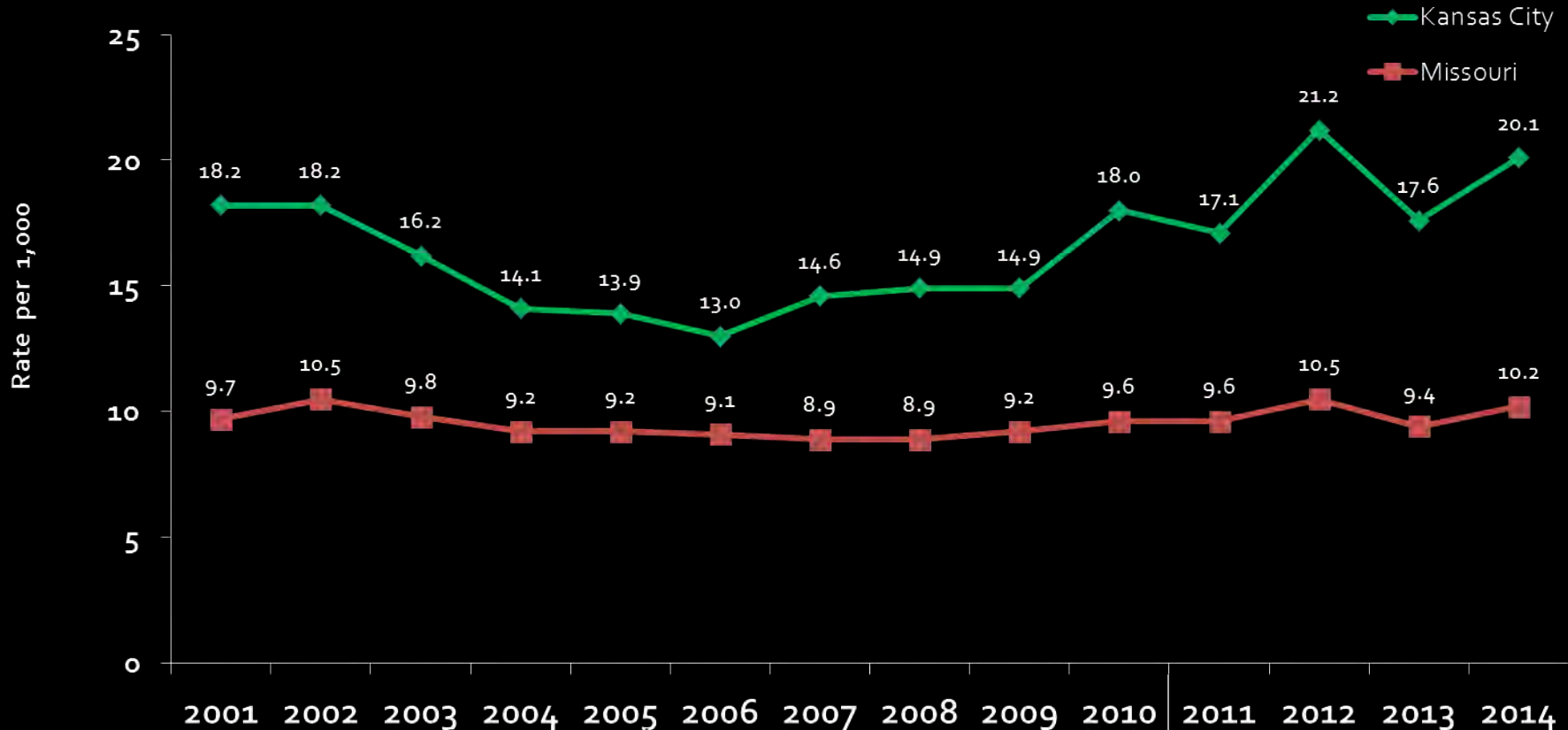


Higher Asthma Prevalence

- Children age 0 to 17
- Boys more than girls
- African-Americans
- Lower household incomes
- Certain geographic locations
- Disparities exist



Asthma Emergency Room Visits Rates for Children ≤ 17 years, Kansas City and Missouri, 2000 - 2014

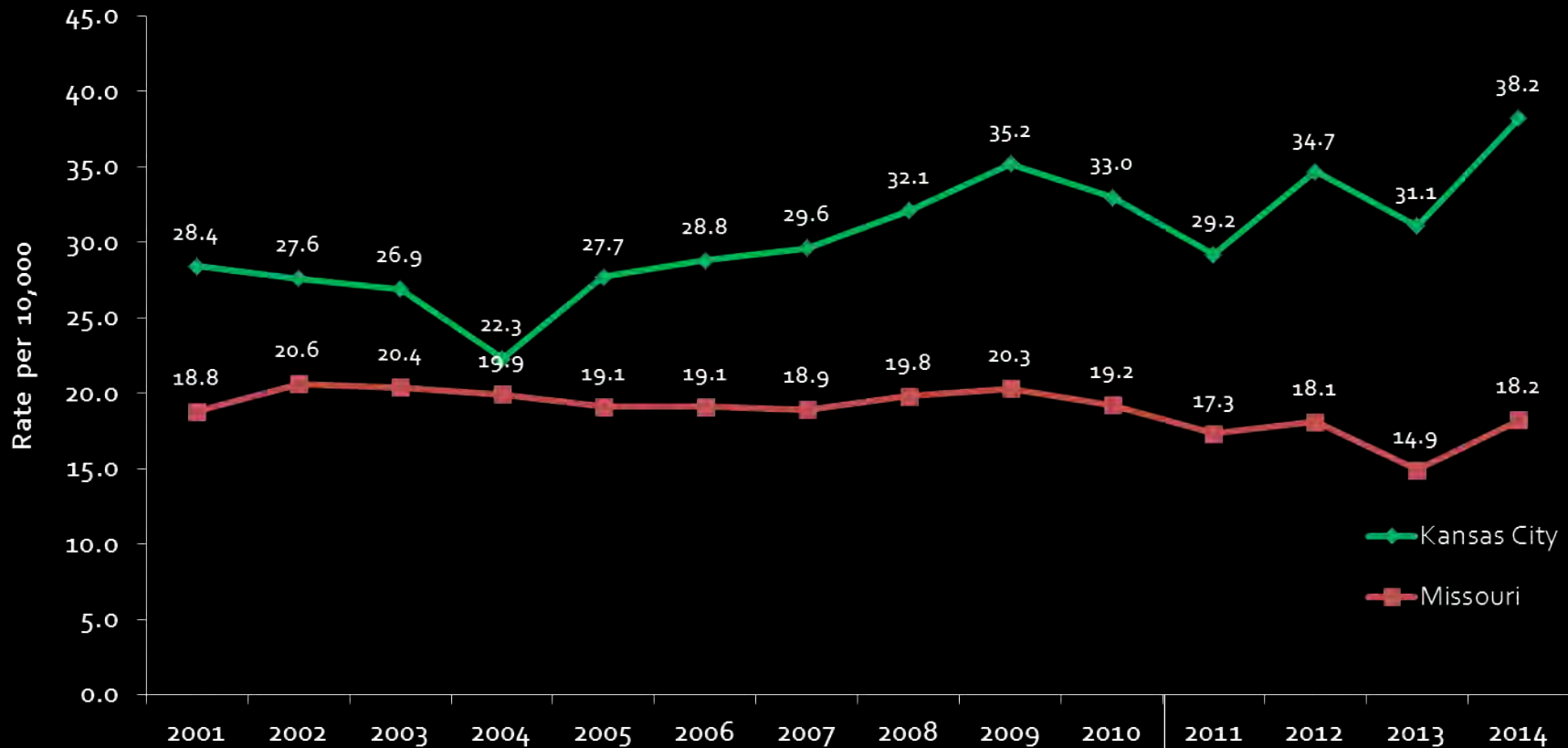


Kansas City includes the following ZIP codes:
64101, 64102, 64105, 64106, 64108 through 64114,
64116, 64117, 64119, 64120, 64123 through 64134,
64136, 64137, 64139, 64145 through 64147, 64149,
64151, 64153 through 64158, 64165, and 64192

Based on census tracts

Asthma Hospitalizations

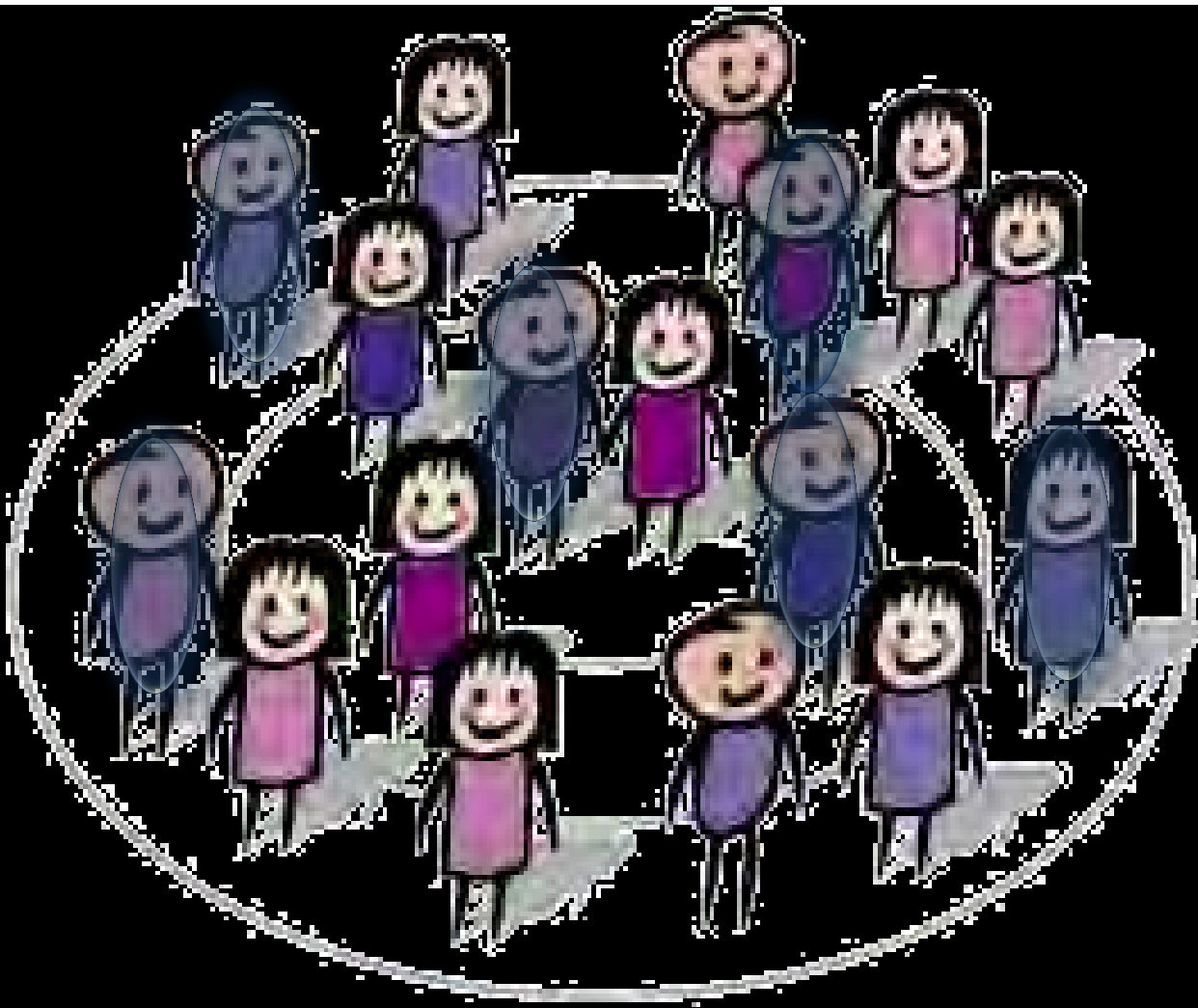
Rates for Children ≤ 17 years, Kansas City and Missouri, 2000 - 2014



Kansas City includes the following ZIP codes:
 64101, 64102, 64105, 64106, 64108 through 64114,
 64116, 64117, 64119, 64120, 64123 through 64134,
 64136, 64137, 64139, 64145 through 64147, 64149,
 64151, 64153 through 64158, 64165, and 64192

Based on census tracts

Childhood Asthma Mortality



In 2015, statewide
we lost 6 children to
asthma
age \leq 17 years

Childhood Asthma Cost

- Costly in terms of quality of life and health care utilization
- \$26.7 million in Missouri hospital charges in 2014
- \$5.0 million in hospital charges for KC children age ≤ 17 years
18.7% of the state total





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