

State Experience with Over Sampling

A Focus on
Geographic Over
Samples



Outline

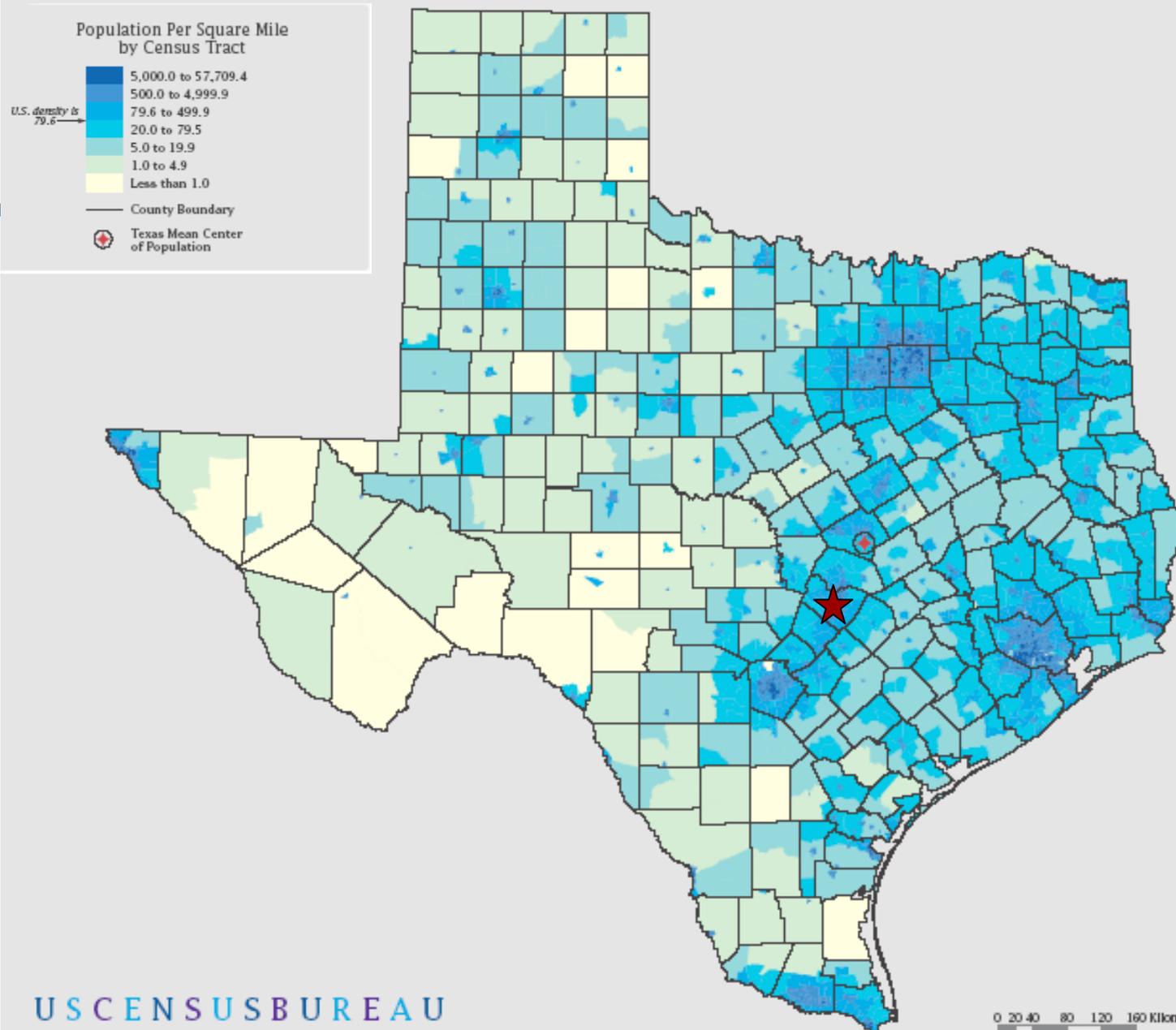
- Texas Geography
- BRFSS
- 2004-2007 Sampling Designs
- Future Directions
- More Texas Geography



A Brief Lesson on Texas Geography

What you always
wanted to know...

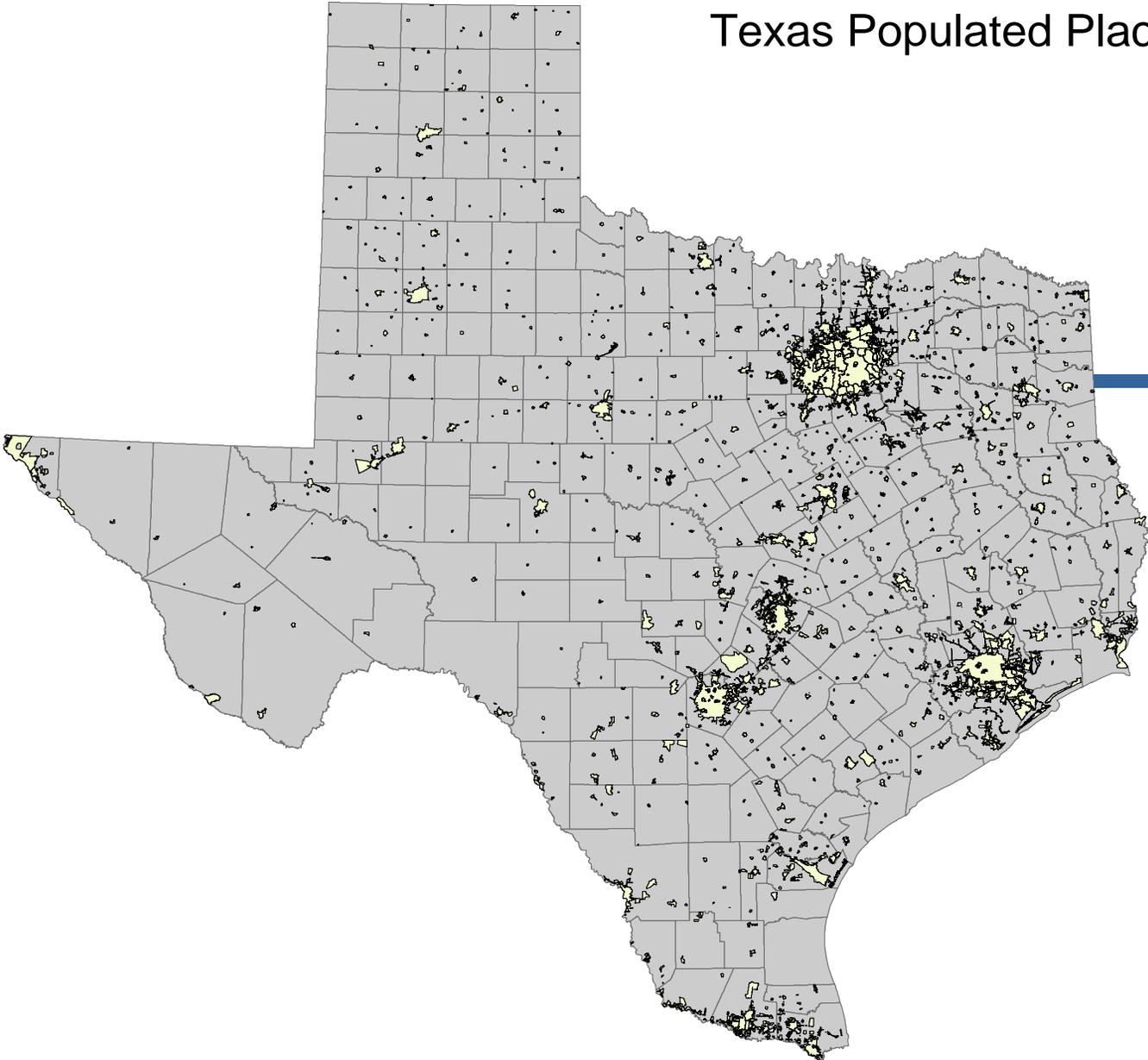
Population Density by Census Tract



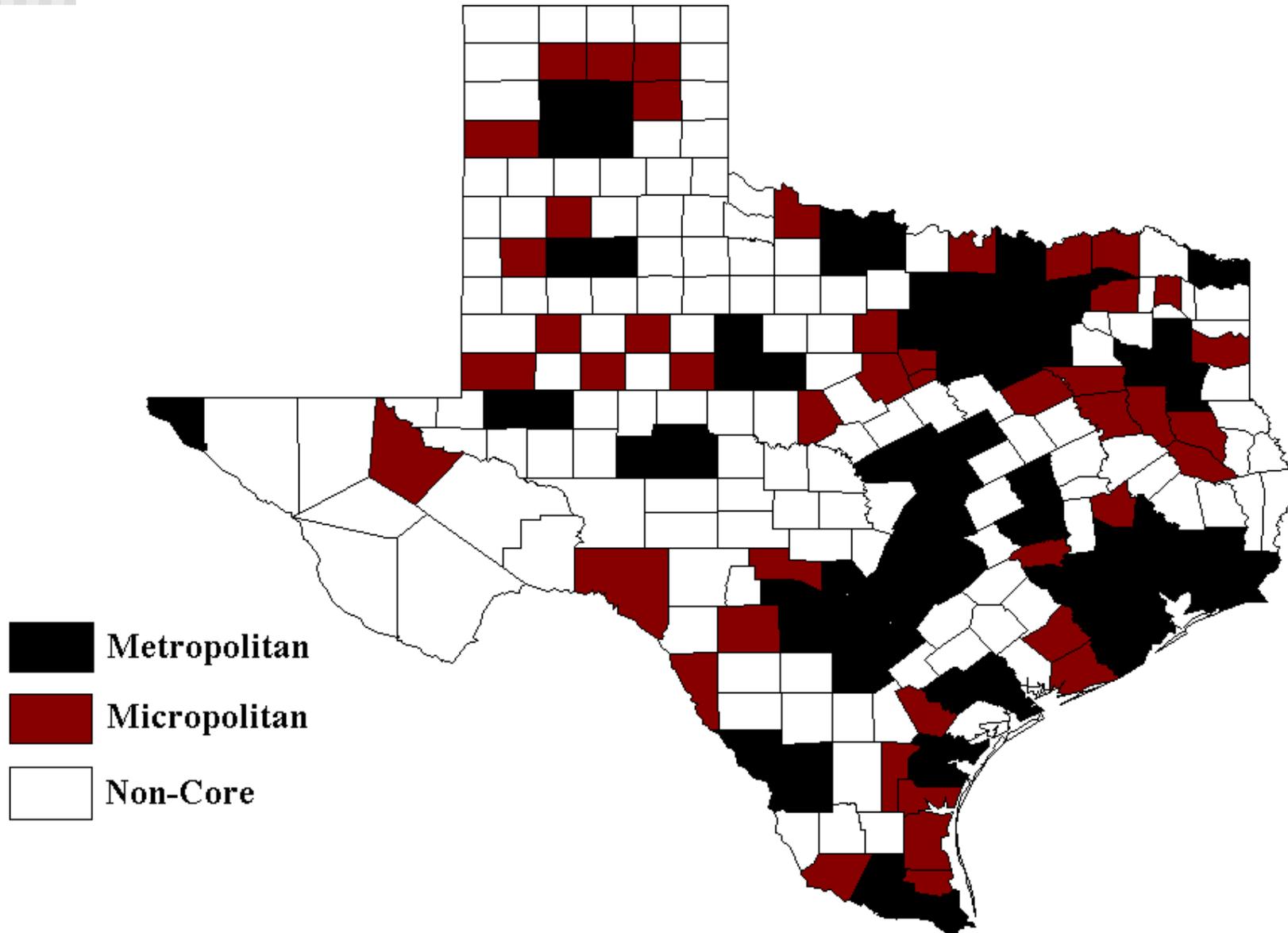
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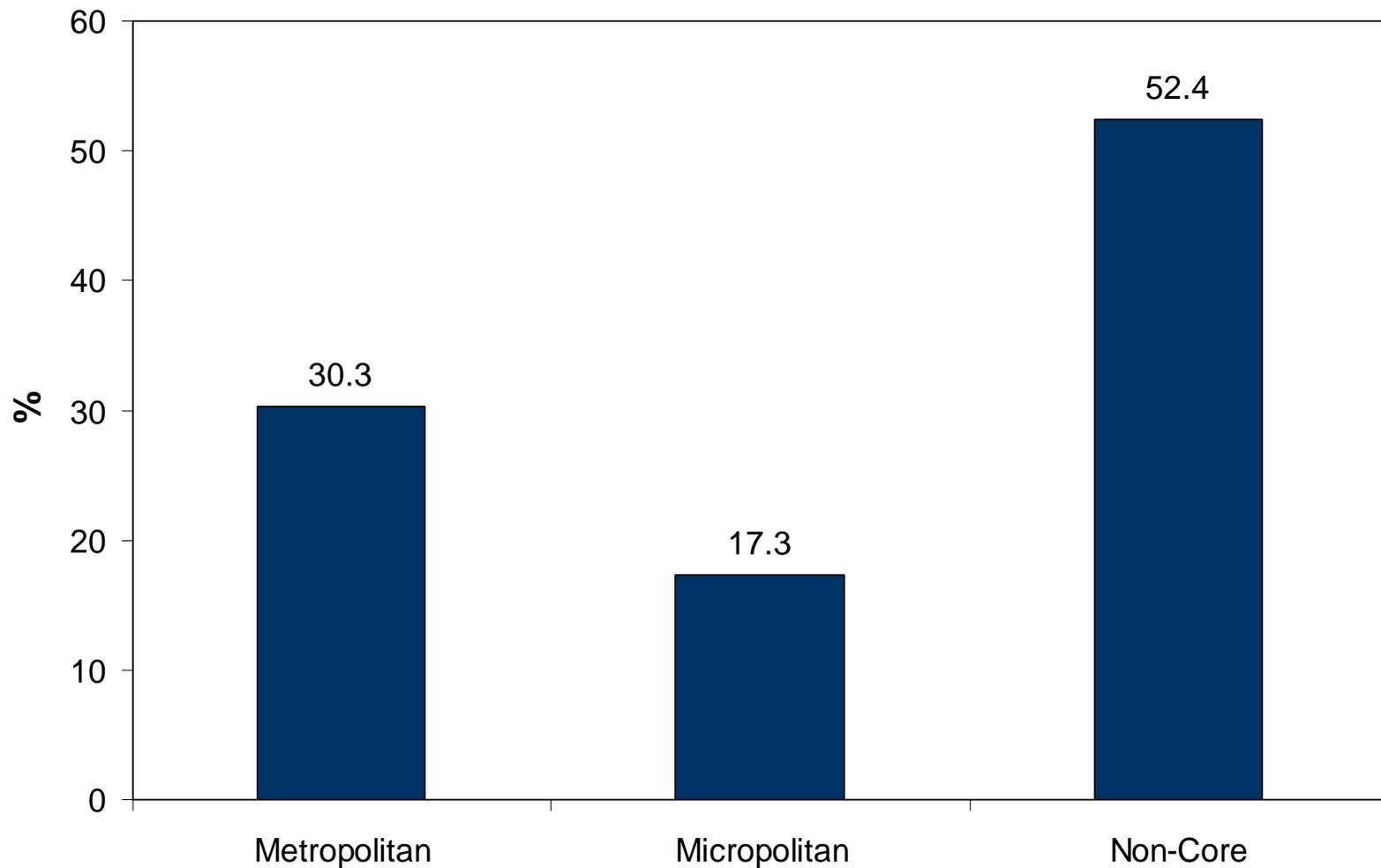
Texas Populated Places



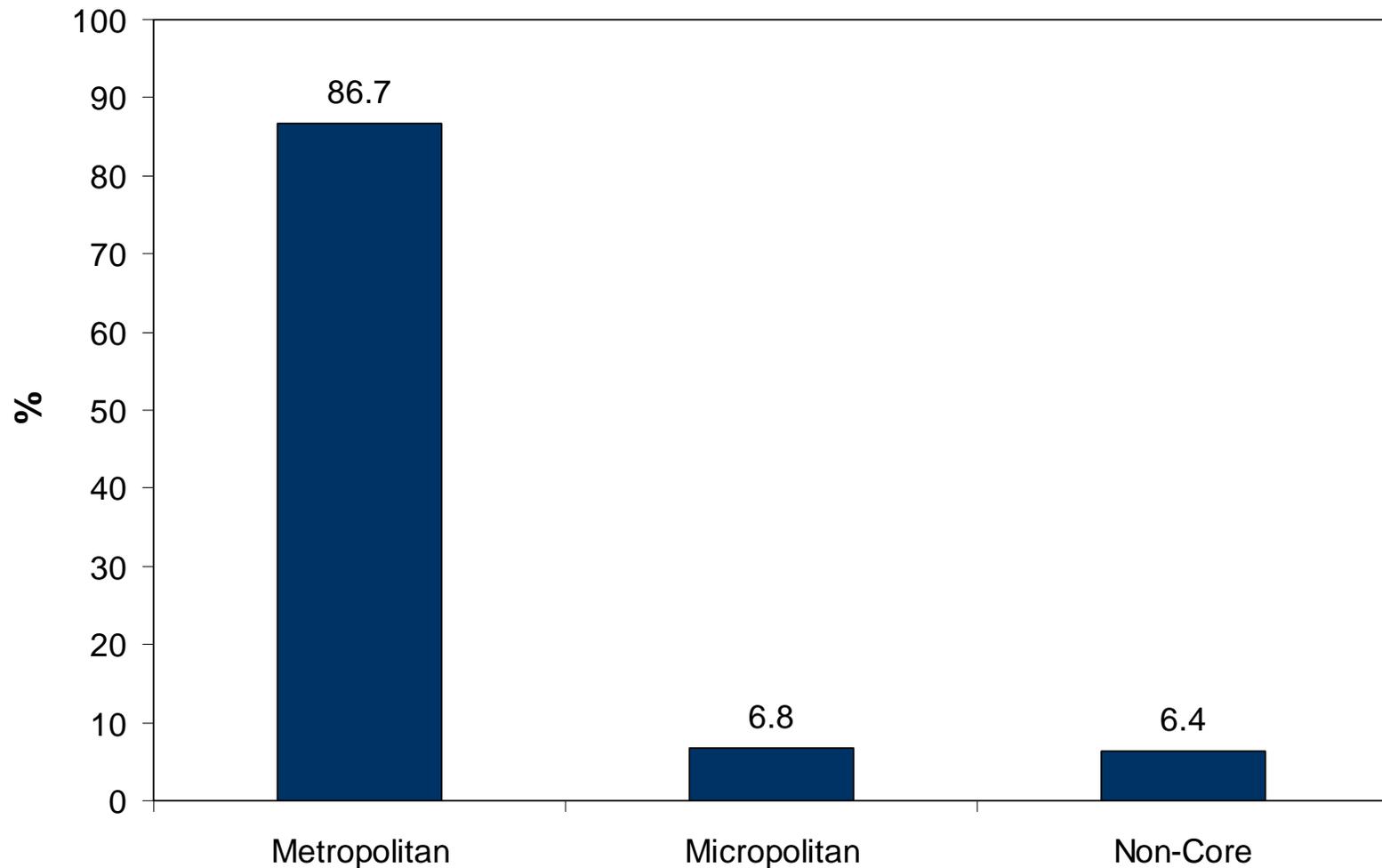
Metropolitan, Micropolitan, and Non-Core Counties



Percentage of Counties by OMB Classification, 2004



Percentage of Population by OMB Classification, 2004



Recap...

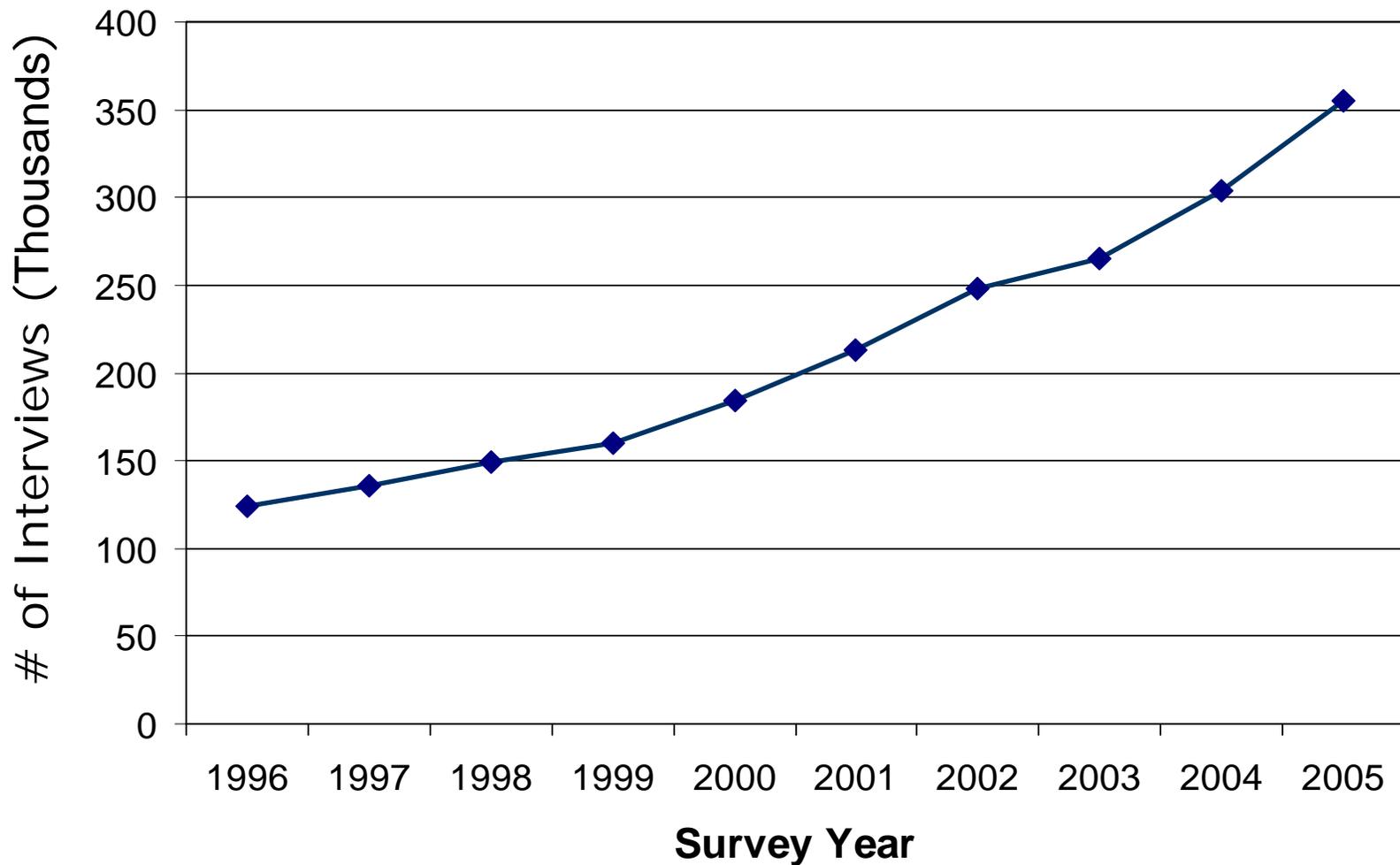
- 254 counties in Texas
- 52.4% of the counties are non-Core counties.
- 86.7% of the population lives in Metropolitan counties.



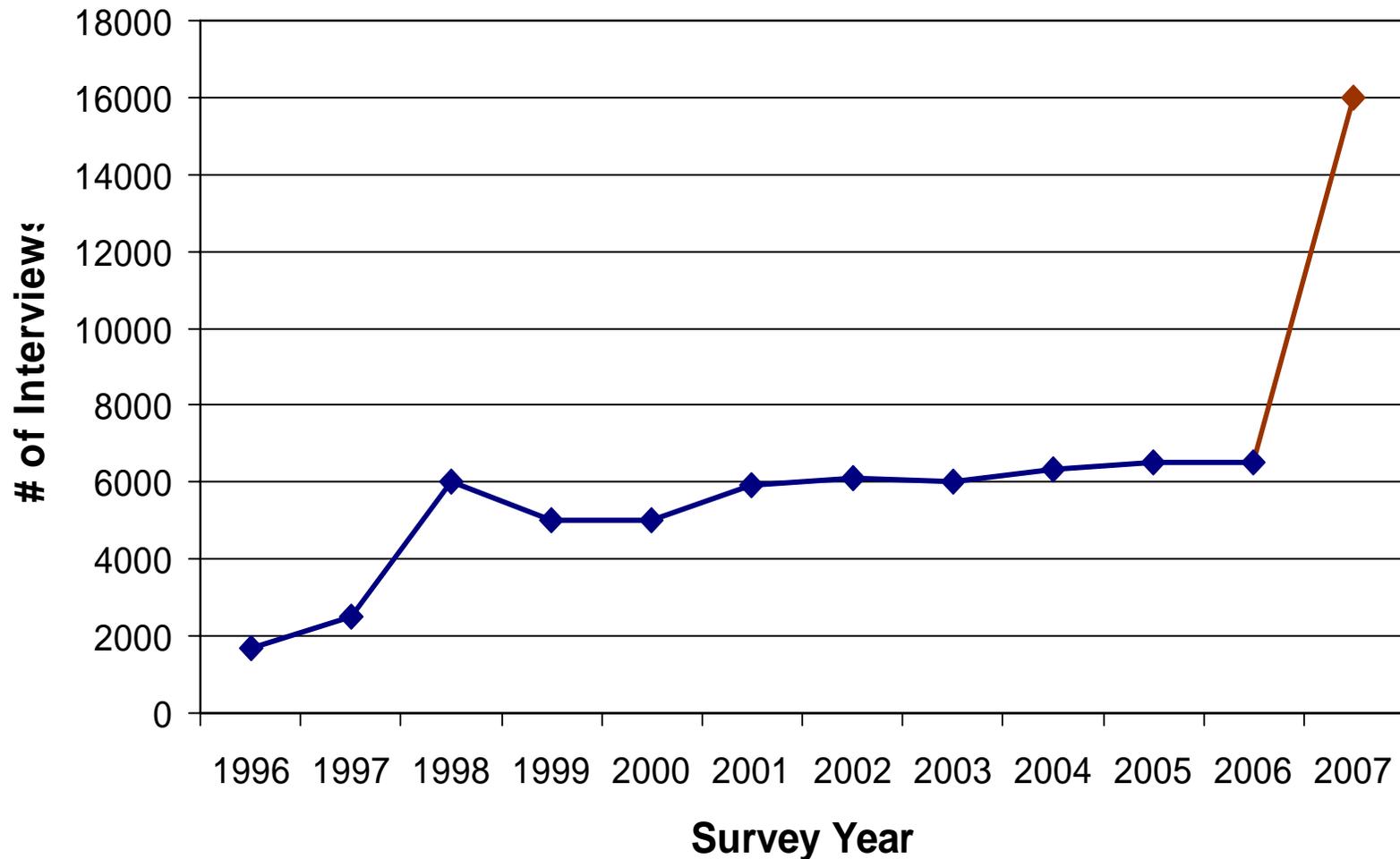
BRFSS

U.S. and Texas

BRFSS Sample Size U.S., 1996 - 2005



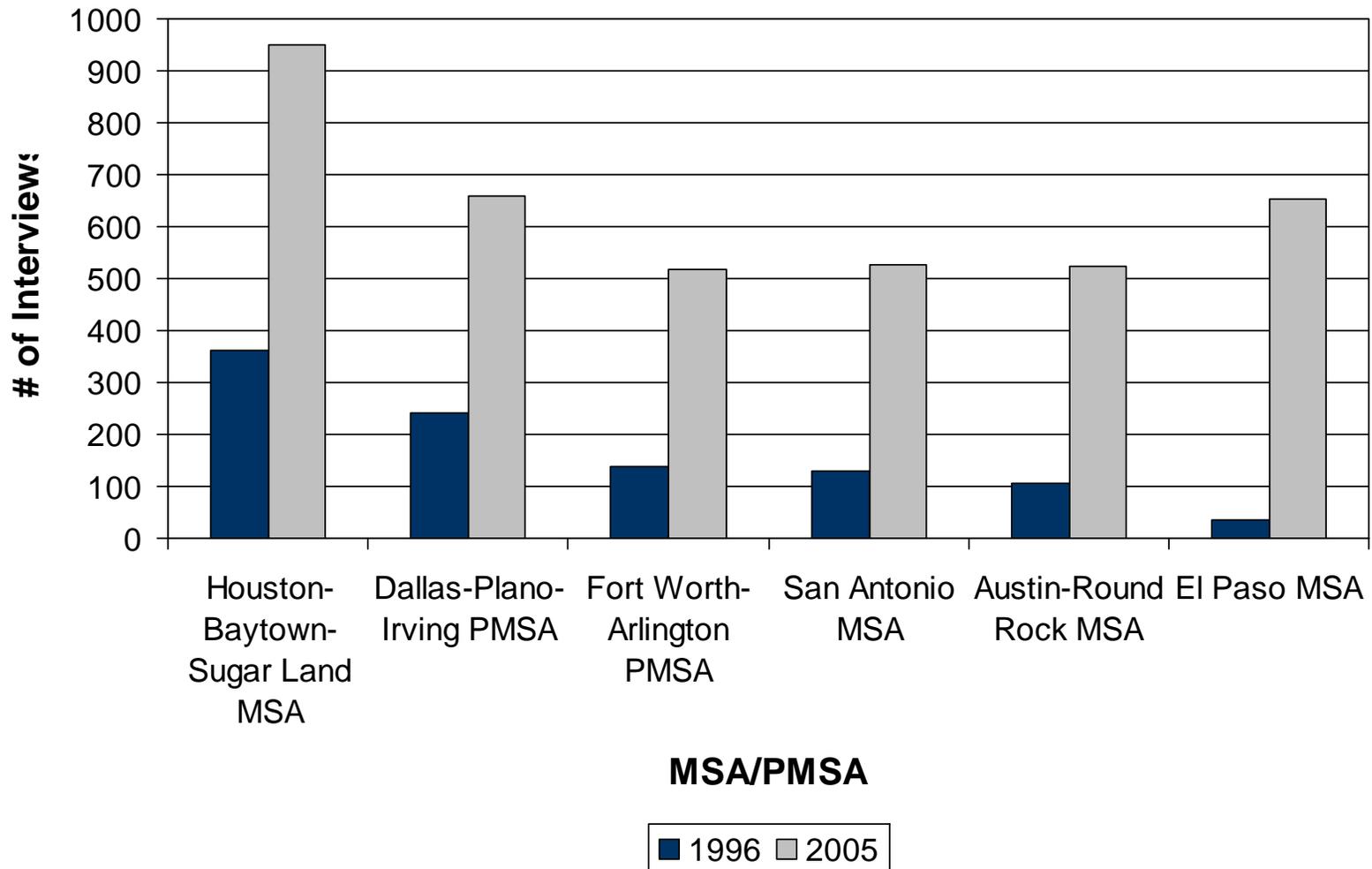
BRFSS Sample Size Texas, 1996 - 2007



Not Just a State-Level Survey in Texas

- We manipulate the Texas statewide data collection so that we can provide estimates beyond the state level.
- Started with 2004 data collection.

BRFSS Sample Size MSA/PMSA, 1996 vs. 2005





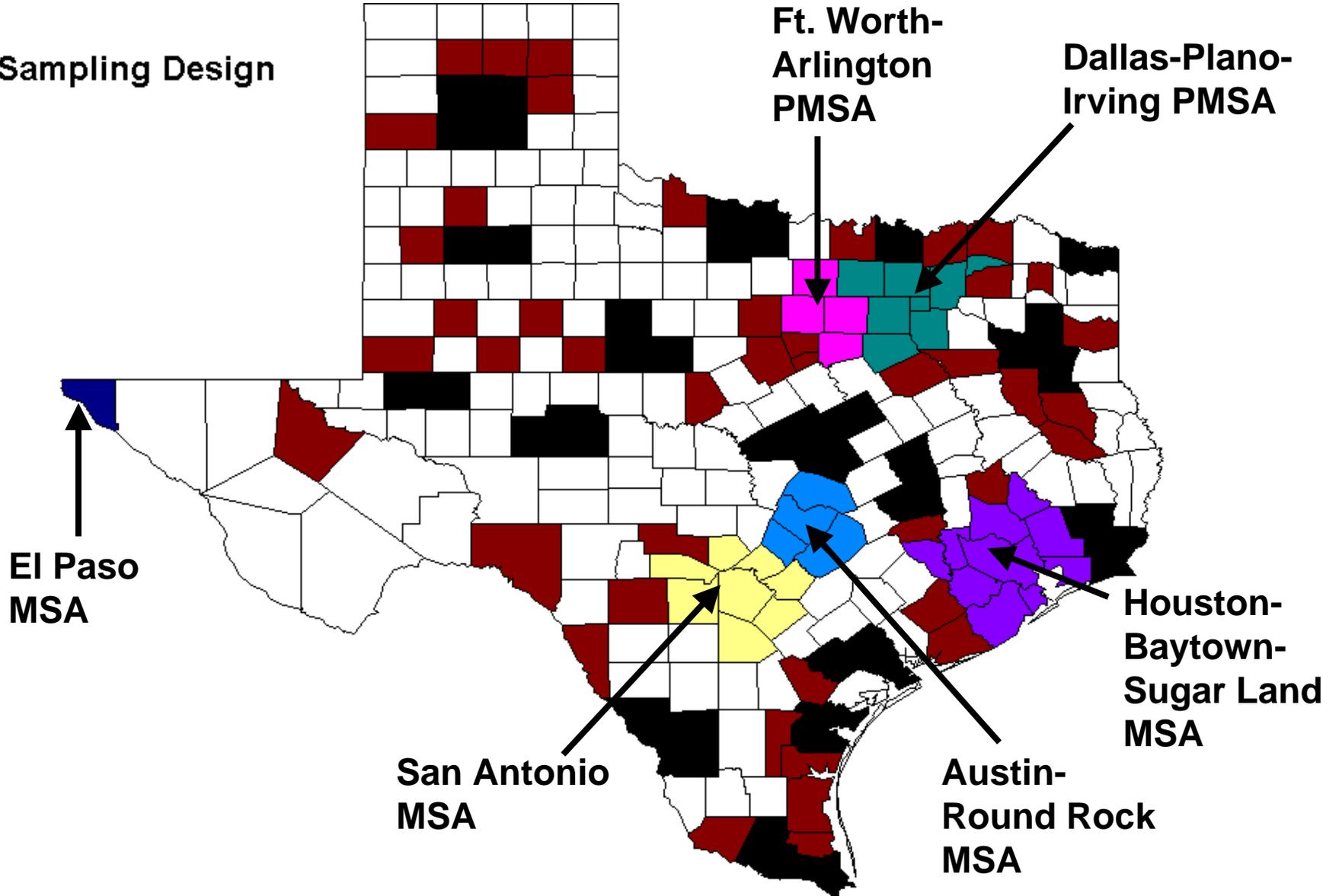
2004 – 2007 BRFSS Sampling Plans

A discussion.

2004 Texas Sampling Plan

- Six MSAs/PMSAs (6 strata)
- Other metropolitan counties (1 strata)
- Micropolitan counties (1 strata)
- Non-core counties (1 strata)

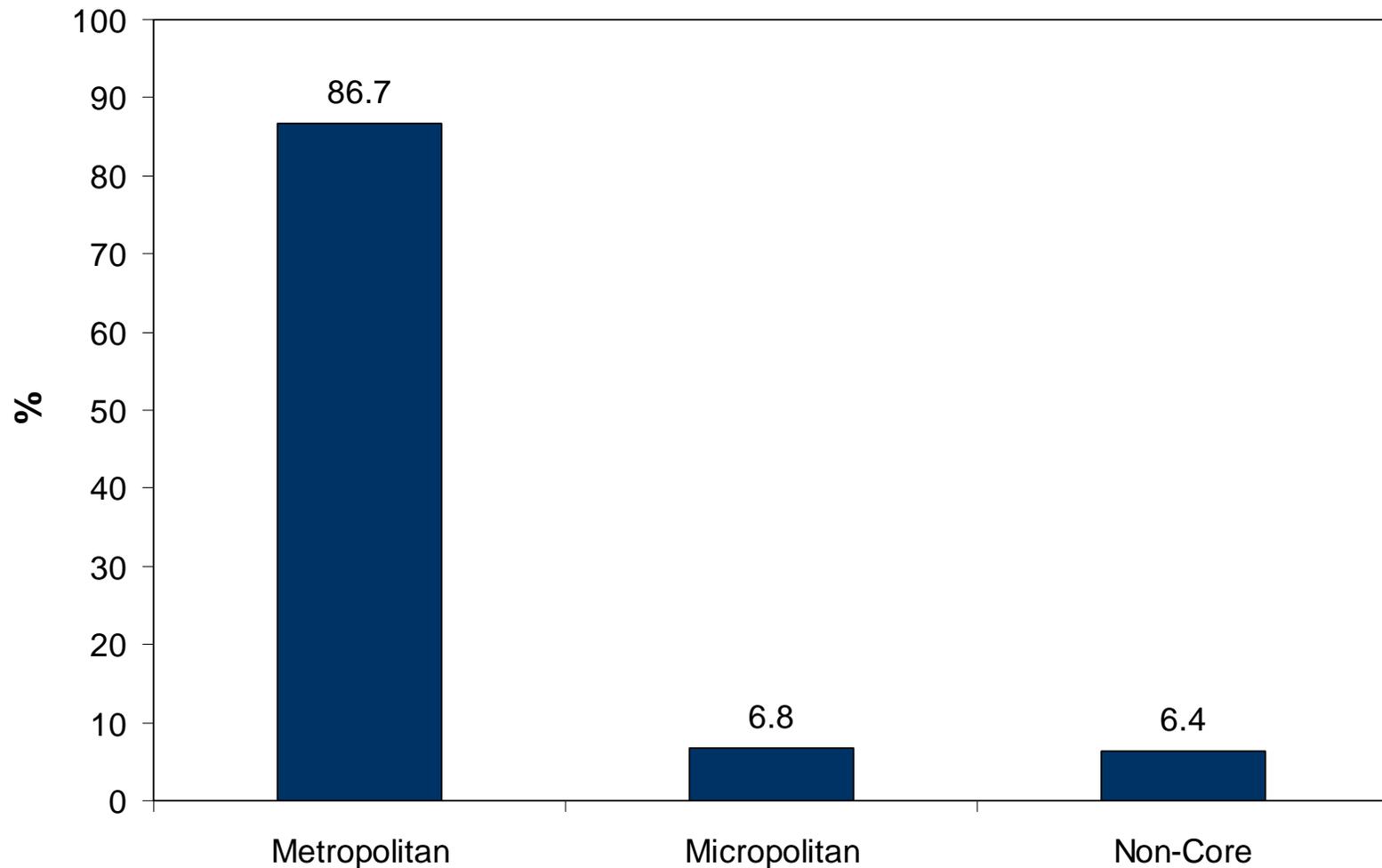
2004 Sampling Design



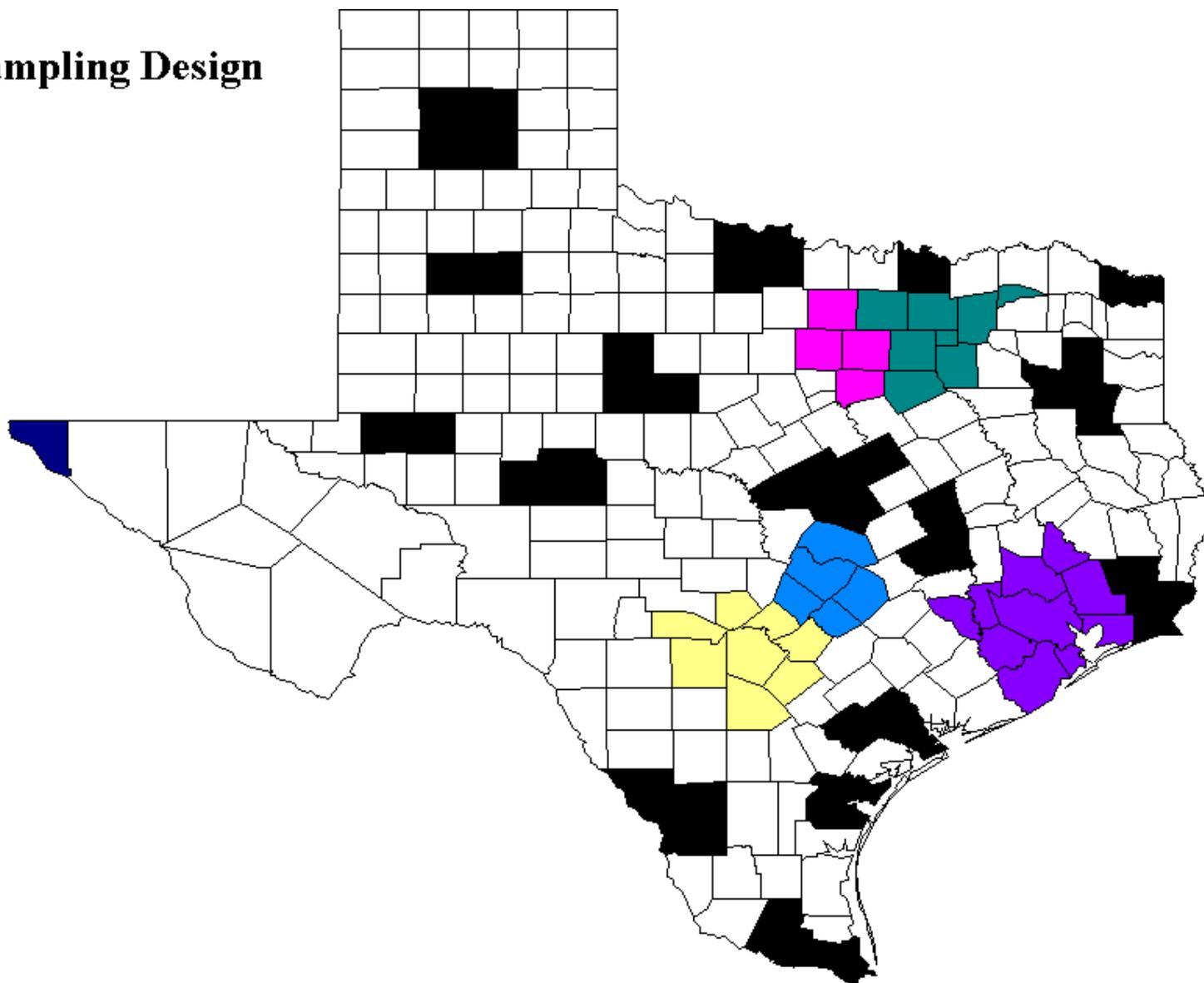
2005 Texas Sampling Plan

- Six MSAs/PMSAs (6 strata)
 - Extra funds to increase El Paso sample
- Other metropolitan counties (1 strata)
- Micropolitan and non-core counties (1 strata)

Percentage of Population by OMB Classification, 2004



2005 Sampling Design

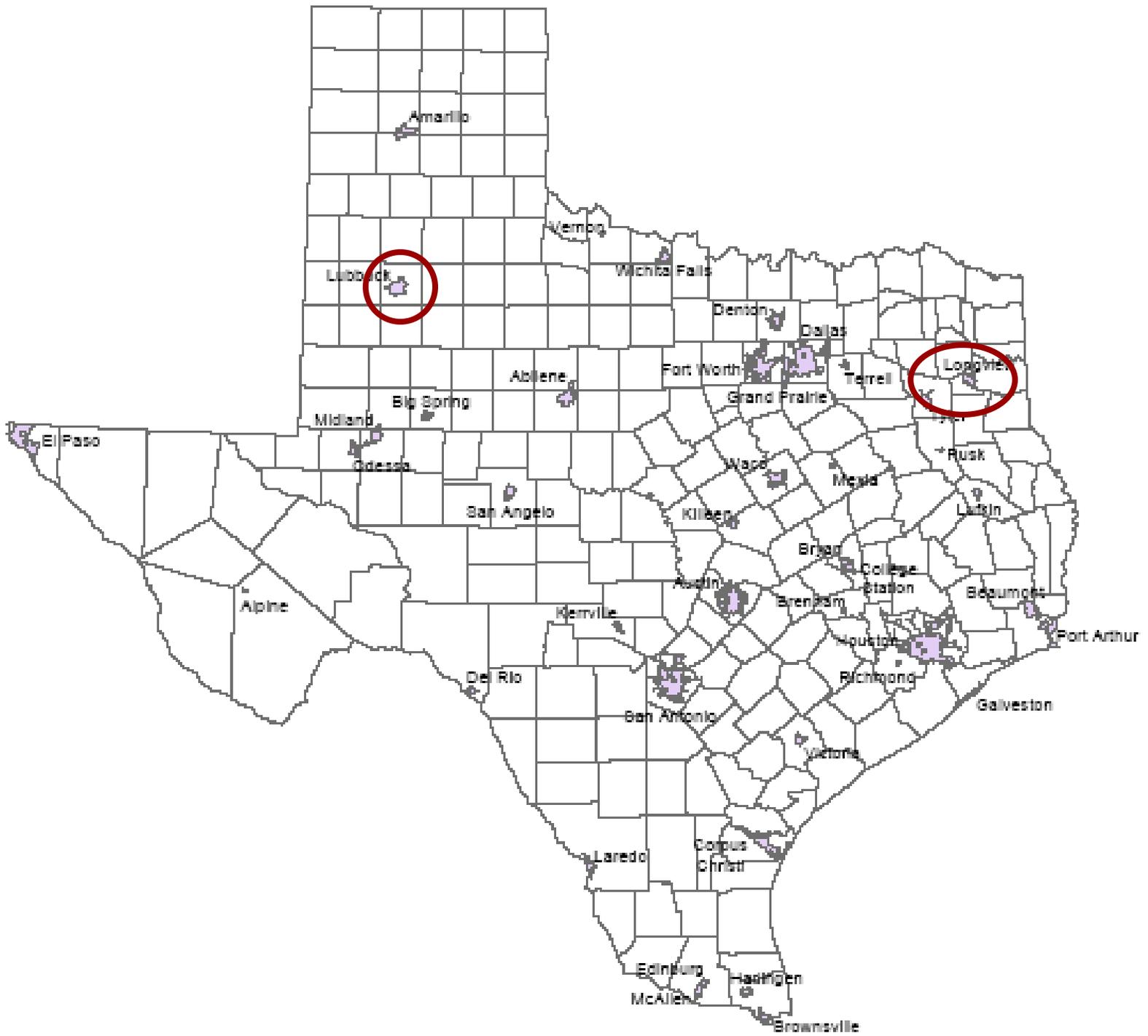


2006 Texas Sampling Plan

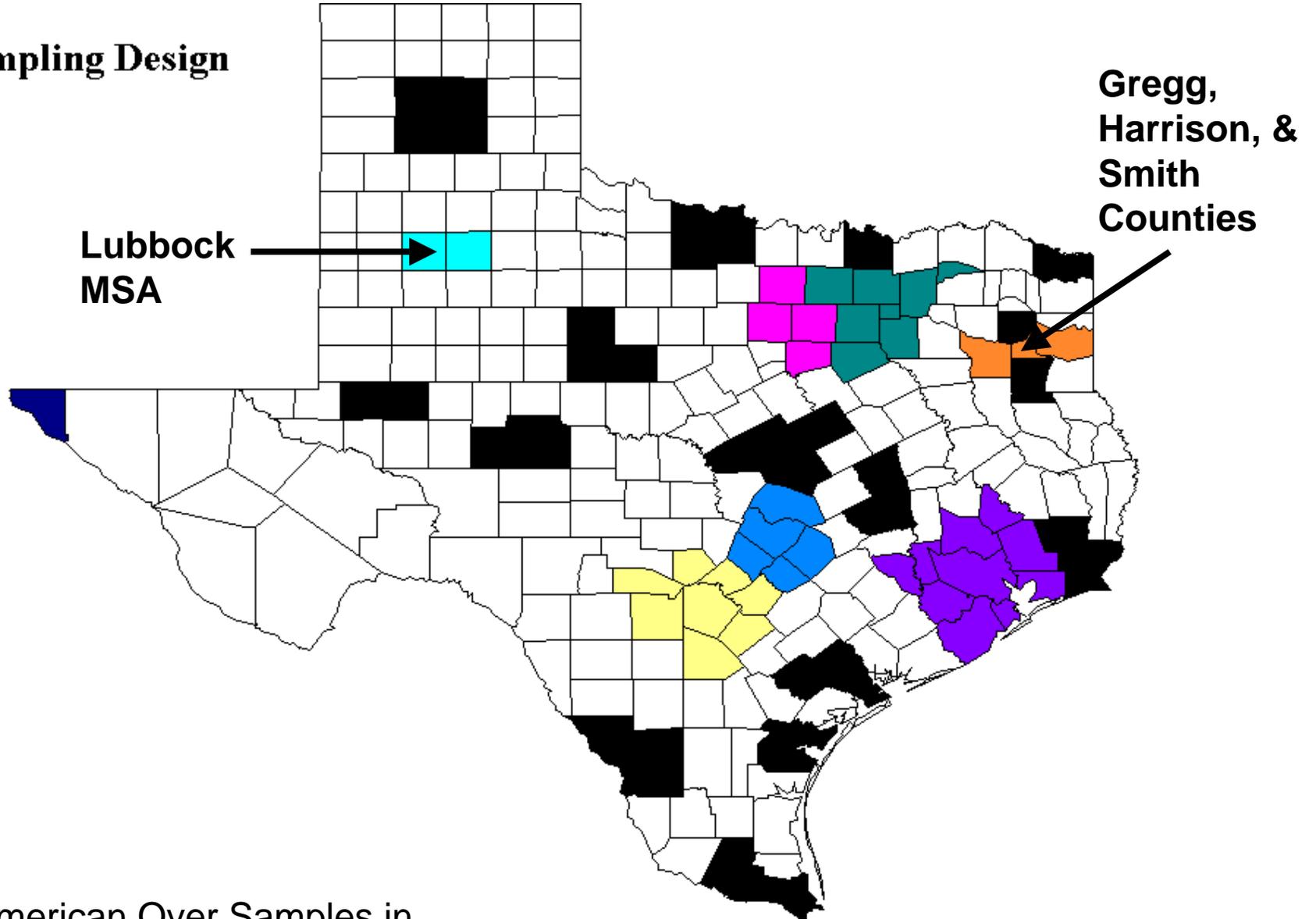
- Six MSAs/PMSAs (6 strata)
- Lubbock MSA over sample (1 strata)
- Tyler/Longview over sample (1 strata)
- Other metropolitan counties (1 strata)
- Micropolitan and non-core counties (1 strata)

Comprehensive Cancer Control Program

- Two areas of the state
 - Lubbock MSA (525 interviews)
 - Gregg, Harrison, & Smith counties (~460 interviews)
- Needed baseline for program evaluation activities
- In addition, this will add to our knowledge concerning other risk factors in these two areas
- Leading us to long term plans*****



2006 Sampling Design

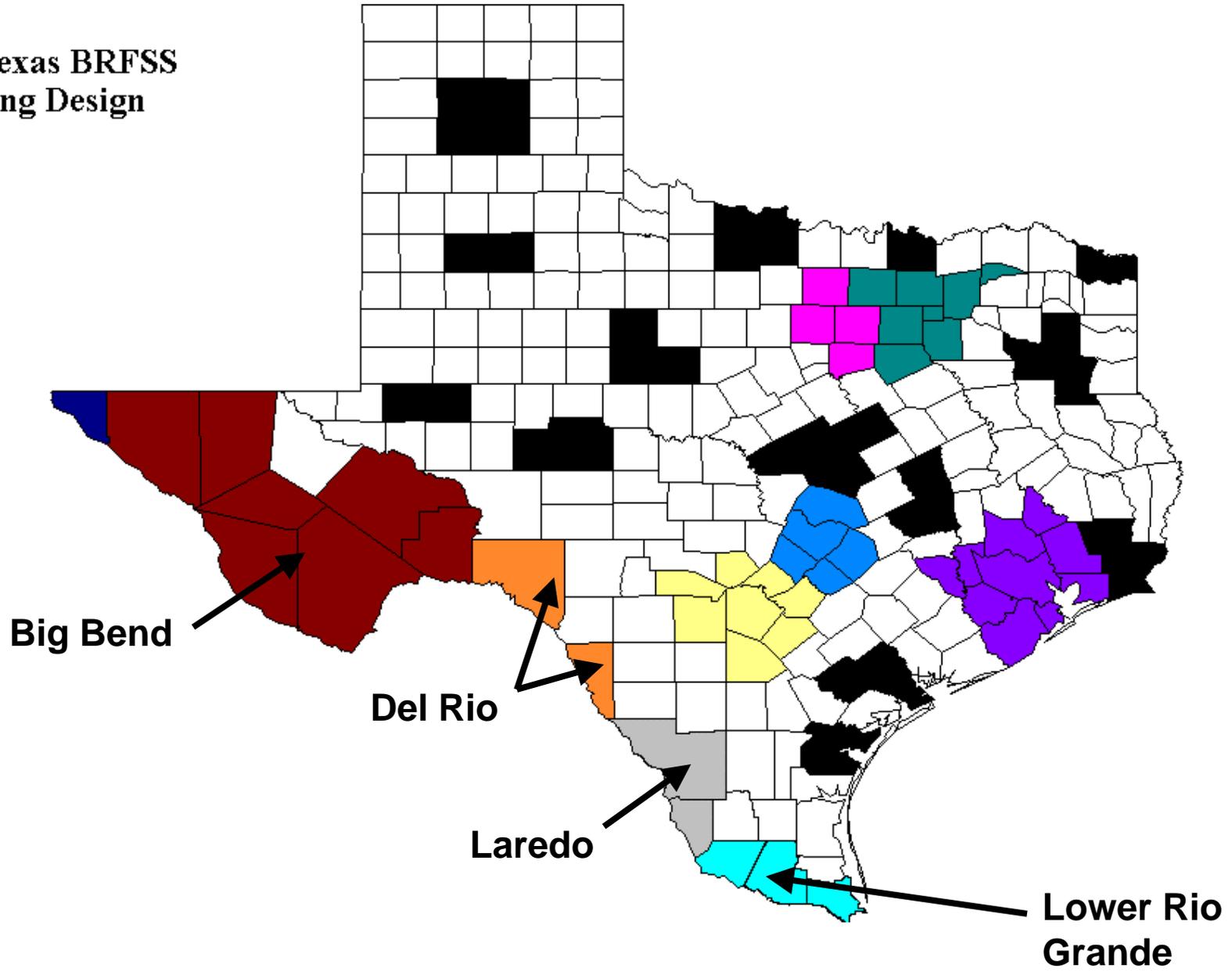


African American Over Samples in Houston (purple), Dallas (teal), and Ft. Worth (pink)

2007 Texas Sampling Plan

- Six MSAs/PMSAs (6 strata)
 - Extra funds to increase El Paso sample
- Border – 4 Regions excluding El Paso (4 strata)
- Other metropolitan counties (1 strata)
- Micropolitan and non-core counties (1 strata)

**2007 Texas BRFSS
Sampling Design**



Border Over Sample

- In addition to the over sample:
 - Three questions on acculturation will be asked of all respondents
 - Four border specific questions relating to health care utilization in Mexico will be asked of the expanded border population (32 counties – within 100 miles of the border)





Future Directions

2008 and beyond

2008

- Comprehensive Cancer Control program will have three NEW funded sites, five total
- Already discussing 2008 survey with Lubbock MSA contacts

2009

- If the Comprehensive Tobacco Control program is **not** statewide after the 2007 Legislature Session, we **may** end up combining the Adult Tobacco Survey with the BRFSS and over sample two areas of the state
 - Three counties in the Houston-Baytown-Sugar Land MSA
 - Jefferson County (Northeast of Houston MSA)



2010

- Comprehensive Cancer Control Program over samples
- Border over sample

Other Areas of Interest

- Asian American Over Sample
- Additional MSA Over Samples on a rotating schedule



A Brief Second Lesson on Texas Geography

What you always
wanted to know...

...and then some.

Other Interesting Facts About Texas

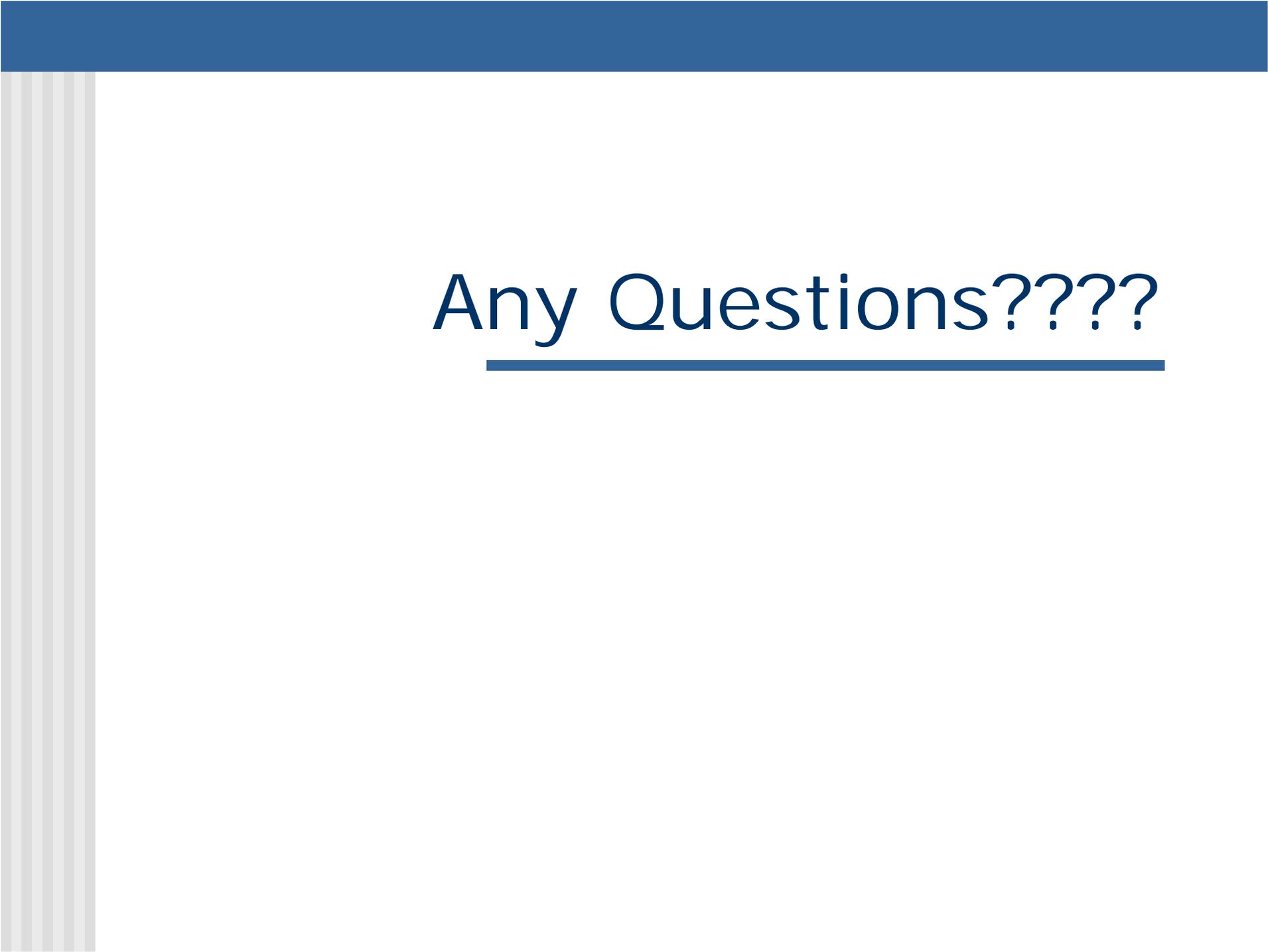
- Most populated place (Incorporated Places + Census Designated Places)
- 2nd – Most Incorporated Places
- 3rd – Number of Census Tracts
- Most Census Tabulation Blocks
- 17 of the 100 Lowest Density Counties are in TX
- 33 of the 200 Lowest Density Counties are in TX
- Two States are the only states with counties in the bottom 50 (low density) and also in the top 50 (high density) lists nationwide.

Thanks!

- John Hugg, Medical Research Specialist
- CDC

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Any Questions????