

## The 2014 TN Fire Mortalities Analysis: Methodology and Findings

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## Introduction

This analysis is an update of components of a study performed in 2011 for the TN State Fire Marshall titled “*An Analysis of Civilian Residential Fire Deaths in Tennessee, 2002-2010*.” This updated analysis employs data collected from the US Census American Community Survey (ASC) 5 yr. means for the years 2008 thru 2012. Fire mortality data for Tennessee focus on civilian, residential fire deaths that occurred from 2008 thru 2013 and were provided by the Tennessee Fire Marshal’s Office. The census tracts with the boundaries identified in the 2010 Census are the unit of analysis.

In the 2010 census, there were 1499 populated census tracts in Tennessee. Census tracts defined as Urban comprised 45.9% (N=687) of this total while those defined as Rural comprised 54.1% (N=810) of the total. Among Urban census tracts, one or more fire deaths occurred in 19.8% of these tracts while 24.0% of rural census tracts recorded one or more fire deaths during the 2008 through 2013 period. (See Table A). The 487 residential fire deaths in TN during this period occurred in 330 or just 22% of the populated census tracts in the state.

Table A. Fire Deaths and Urban/Rural Status of TN Census Tracts (2008-2013)

Census Tracts with:	Urban or Rural		Total
	Urban	Rural	
No fire deaths	551	616	1167
	80.2%	76.0%	78.0%
1 or more fire deaths	136	194	330
	19.8%	24.0%	22.0%
Total	687	810	1497
	100.0%	100.0%	100.0%

The data indicate that 204 or about 42% of the civilian residential fire deaths that occurred between 2008 through 2013 happened in urban census tracts while 283 or about 58% of fire deaths occurred in rural tracts. The mean rate of fire deaths in TN during this period for urban census tracts was 12.67/million, per year. The mean fire death rate in rural census tracts was 13.79/ million per year. The overall mean rate of fire deaths for the entire state during 2008 thru 2013 was 13.28/million per year.

## Methods for Identifying Fire Mortality Risks in Tennessee Census Tracts

Several methods were used to identify the census tracts considered to have some level of risk for being among the more likely locales for future fire mortalities. The assumption that guides this analysis is that those census tracts that share key profile features with the tracts

that recorded a fire fatality in the past are more likely to be the locations that could experience a fire mortality in the future. The factors that distinguish the census tracts with a history of fire deaths are used as “screens” to identify similar census tracts that also may share the risk of being the location for future fire mortalities. In other words, we apply Shakespeare’s aphorism that what is past is prologue. As described in the 2011 study, this fire mortality risk may be mitigated by implementing particular proactive measures such as distributing smoke alarms/detectors to at risk populations and raising public awareness of and knowledge about fire risks and best practices for fire safety.

The census tracts where one or more fire deaths occurred during the 2008 through 2013 period are assumed to have a confirmed risk of experiencing fire deaths in the future if nothing is done to mitigate or reduce the risk of re-occurrence of fire mortalities. The urban and rural census tracts with this confirmed risk are listed in Table 1 and Table 5, respectively.

A large number of ACS variables were examined to identify which factors distinguished those census tracts with and without fire deaths during the study period. Based on an analysis of mean differences, several factors proved to be statistically different. Several education, economic, and housing variables characterized the urban and rural census tracts, respectively, that experienced fire deaths during 2008 through 2013. Based on the analysis of mean difference and the results of logit regressions for urban and rural tracts (appropriate for a dichotomous dependent variable when measured as having one or more fire deaths or not), several variables were identified as being most important for distinguishing levels of possible future risk of fire deaths in particular census tracts.

For urban census tracts, the following ACS variables were employed to create layered “screens” of successively higher risk levels:

- the proportion of the population with a bachelor’s degree ( $\leq 13.20\%$ ) (272 cts)
- the percent of families and people under 18 whose income in the past 12 months was below the poverty line ( $\geq 37.07\%$ ) (173 cts)
- the percent of owner-occupied housing units with values between \$50,000 and \$99,999 ( $\geq 33.43\%$ ) (N = 128 cts)

For rural census tracts, the following ACS variables were employed to create layered “screens” of successively higher risk levels:

- the proportion of the population with a bachelor’s degree ( $\leq 9.36\%$ ) (N= 267 cts)

- Median household income ( $\leq$  \$40,619) (N = 194 cts)
- Median value of owner-occupied units ( $\leq$  \$115,853) (N = 170 cts)

The chief hypotheses that guided the analyses of the above variables and that were supported by the findings included:

- 1). Census tracts with lower proportions of people 25 and older with a bachelor's degree would be more likely to reside in census tracts with one or more fire deaths
- 2). Urban census tracts with higher proportions of children in poverty and rural census tracts with lower median incomes would be more likely to reside in census tracts with one or more fire deaths
- 3). Urban census tracts with higher proportions of owner-occupied housing valued between \$50,000 and \$99,000, and rural tracts with a lower median home value would be the locales in which fire deaths are more likely.

The means for these variables helped to distinguish the urban and rural census tracts that have varying levels of risk for fire deaths. Tables 2, 3, and 4 list the urban census tracts in these levels of risk for fire deaths. Tables 6, 7, and 8 list the rural census tracts that have successively higher risk for fire deaths.

So, in addition to the 136 urban census tracts that have a demonstrated (historical) risk of fire deaths, 272 additional urban census tracts (including two subsets with higher risk because they are more similar to the 136 that have had fire deaths) are more likely to be the locations for possible future fire mortalities. Likewise, in addition to the 194 rural census tracts that have a demonstrated (historical) risk of fire deaths, 267 rural census tracts are more likely to be the locations for possible future fire mortalities in Tennessee. Again, this assessment is based on the assumption that the similarity of these tracts with respect to key profile characteristics raise the probability that they also may have a higher risk of being the locations for residential fire deaths. Similarity to those census tracts where fire deaths occurred during 2008-2013.

The rationale for grouping tracts by fire mortality risk is to provide officials with a reasonable basis for targeting or focusing resources on the most vulnerable populations and the areas (census tracts) in the state that, if history is any guide, are at risk of having one or more fire deaths in the future.

The legend for the three risk maps for Tennessee (see electronic files) that depict the risk categories of **all** census tracts, **urban** tracts only and **rural** tracts only is:

Red = Confirmed Risk

Light Blue = Tier 3 Risk –Moderately High Risk

Medium Blue = Tier 2 Risk –High Risk

Dark Blue = Tier 1 Risk –Highest Risk

**Table 1. Urban Census Tracts with Fire Deaths, 2008 thru 2013 CONFIRMED RISK OF FIRE DEATH**

(N= 136)

Census Tract 100, Shelby County, Tennessee
Census Tract 1001, Hamblen County, Tennessee
Census Tract 1002, Hamblen County, Tennessee
Census Tract 1003, Hamblen County, Tennessee
Census Tract 1004, Hamblen County, Tennessee
Census Tract 1008, Montgomery County, Tennessee
Census Tract 101.03, Davidson County, Tennessee
Census Tract 101.10, Shelby County, Tennessee
Census Tract 101.20, Shelby County, Tennessee
Census Tract 1010.01, Montgomery County, Tennessee
Census Tract 102, Blount County, Tennessee
Census Tract 102.02, Hamilton County, Tennessee
Census Tract 102.20, Shelby County, Tennessee
Census Tract 103.01, Davidson County, Tennessee

<b>Census Tract 103.02, Davidson County, Tennessee</b>
<b>Census Tract 103.07, Hamilton County, Tennessee</b>
<b>Census Tract 104.12, Hamilton County, Tennessee</b>
<b>Census Tract 104.33, Hamilton County, Tennessee</b>
<b>Census Tract 104.35, Hamilton County, Tennessee</b>
<b>Census Tract 105.01, Hamilton County, Tennessee</b>
<b>Census Tract 105.02, Hamilton County, Tennessee</b>
<b>Census Tract 106, Maury County, Tennessee</b>
<b>Census Tract 106.01, Davidson County, Tennessee</b>
<b>Census Tract 106.10, Shelby County, Tennessee</b>
<b>Census Tract 107, Bradley County, Tennessee</b>
<b>Census Tract 107.01, Davidson County, Tennessee</b>
<b>Census Tract 108.20, Shelby County, Tennessee</b>
<b>Census Tract 11, Shelby County, Tennessee</b>
<b>Census Tract 110, Bradley County, Tennessee</b>
<b>Census Tract 110.10, Shelby County, Tennessee</b>
<b>Census Tract 111, Shelby County, Tennessee</b>
<b>Census Tract 112, Shelby County, Tennessee</b>
<b>Census Tract 113, Davidson County, Tennessee</b>
<b>Census Tract 113, Shelby County, Tennessee</b>
<b>Census Tract 114, Shelby County, Tennessee</b>
<b>Census Tract 114.02, Hamilton County, Tennessee</b>
<b>Census Tract 115, Shelby County, Tennessee</b>

<b>Census Tract 117, Davidson County, Tennessee</b>
<b>Census Tract 118, Hamilton County, Tennessee</b>
<b>Census Tract 121, Davidson County, Tennessee</b>
<b>Census Tract 122, Hamilton County, Tennessee</b>
<b>Census Tract 124, Hamilton County, Tennessee</b>
<b>Census Tract 128.01, Davidson County, Tennessee</b>
<b>Census Tract 128.02, Davidson County, Tennessee</b>
<b>Census Tract 132.01, Davidson County, Tennessee</b>
<b>Census Tract 135, Davidson County, Tennessee</b>
<b>Census Tract 137, Davidson County, Tennessee</b>
<b>Census Tract 139, Davidson County, Tennessee</b>
<b>Census Tract 14, Hamilton County, Tennessee</b>
<b>Census Tract 156.15, Davidson County, Tennessee</b>
<b>Census Tract 156.20, Davidson County, Tennessee</b>
<b>Census Tract 158.02, Davidson County, Tennessee</b>
<b>Census Tract 169, Davidson County, Tennessee</b>
<b>Census Tract 17, Knox County, Tennessee</b>
<b>Census Tract 173, Davidson County, Tennessee</b>
<b>Census Tract 184.01, Davidson County, Tennessee</b>
<b>Census Tract 185, Davidson County, Tennessee</b>
<b>Census Tract 19, Hamilton County, Tennessee</b>
<b>Census Tract 191.08, Davidson County, Tennessee</b>
<b>Census Tract 191.12, Davidson County, Tennessee</b>

<b>Census Tract 192, Davidson County, Tennessee</b>
<b>Census Tract 203, Anderson County, Tennessee</b>
<b>Census Tract 203, Sumner County, Tennessee</b>
<b>Census Tract 205.11, Shelby County, Tennessee</b>
<b>Census Tract 205.12, Shelby County, Tennessee</b>
<b>Census Tract 205.24, Shelby County, Tennessee</b>
<b>Census Tract 205.41, Shelby County, Tennessee</b>
<b>Census Tract 205.42, Shelby County, Tennessee</b>
<b>Census Tract 208.20, Shelby County, Tennessee</b>
<b>Census Tract 208.31, Shelby County, Tennessee</b>
<b>Census Tract 211.05, Sumner County, Tennessee</b>
<b>Census Tract 211.11, Shelby County, Tennessee</b>
<b>Census Tract 212.01, Sumner County, Tennessee</b>
<b>Census Tract 213.20, Shelby County, Tennessee</b>
<b>Census Tract 213.42, Shelby County, Tennessee</b>
<b>Census Tract 216.11, Shelby County, Tennessee</b>
<b>Census Tract 217.41, Shelby County, Tennessee</b>
<b>Census Tract 220.24, Shelby County, Tennessee</b>
<b>Census Tract 222.10, Shelby County, Tennessee</b>
<b>Census Tract 223.10, Shelby County, Tennessee</b>
<b>Census Tract 224.10, Shelby County, Tennessee</b>
<b>Census Tract 25, Hamilton County, Tennessee</b>
<b>Census Tract 27, Shelby County, Tennessee</b>



<b>Census Tract 28, Shelby County, Tennessee</b>
<b>Census Tract 3, Madison County, Tennessee</b>
<b>Census Tract 3, Shelby County, Tennessee</b>
<b>Census Tract 36, Shelby County, Tennessee</b>
<b>Census Tract 4, Hamilton County, Tennessee</b>
<b>Census Tract 4, Madison County, Tennessee</b>
<b>Census Tract 4, Putnam County, Tennessee</b>
<b>Census Tract 402, Rutherford County, Tennessee</b>
<b>Census Tract 403.02, Tipton County, Tennessee</b>
<b>Census Tract 406, Sullivan County, Tennessee</b>
<b>Census Tract 407, Tipton County, Tennessee</b>
<b>Census Tract 416, Rutherford County, Tennessee</b>
<b>Census Tract 418, Rutherford County, Tennessee</b>
<b>Census Tract 419, Sullivan County, Tennessee</b>
<b>Census Tract 420, Rutherford County, Tennessee</b>
<b>Census Tract 428.01, Sullivan County, Tennessee</b>
<b>Census Tract 428.02, Sullivan County, Tennessee</b>
<b>Census Tract 43, Knox County, Tennessee</b>
<b>Census Tract 46.15, Knox County, Tennessee</b>
<b>Census Tract 505.03, Hawkins County, Tennessee</b>
<b>Census Tract 509.04, Williamson County, Tennessee</b>
<b>Census Tract 509.05, Williamson County, Tennessee</b>
<b>Census Tract 53, Shelby County, Tennessee</b>

<b>Census Tract 55, Shelby County, Tennessee</b>
<b>Census Tract 6, Shelby County, Tennessee</b>
<b>Census Tract 602.02, Loudon County, Tennessee</b>
<b>Census Tract 607.02, Fayette County, Tennessee</b>
<b>Census Tract 609, Washington County, Tennessee</b>
<b>Census Tract 613, Washington County, Tennessee</b>
<b>Census Tract 620, Washington County, Tennessee</b>
<b>Census Tract 65, Shelby County, Tennessee</b>
<b>Census Tract 67, Shelby County, Tennessee</b>
<b>Census Tract 68, Shelby County, Tennessee</b>
<b>Census Tract 7, Shelby County, Tennessee</b>
<b>Census Tract 70, Knox County, Tennessee</b>
<b>Census Tract 70, Shelby County, Tennessee</b>
<b>Census Tract 72, Shelby County, Tennessee</b>
<b>Census Tract 78.21, Shelby County, Tennessee</b>
<b>Census Tract 78.22, Shelby County, Tennessee</b>
<b>Census Tract 8, Putnam County, Tennessee</b>
<b>Census Tract 803.02, Robertson County, Tennessee</b>
<b>Census Tract 87, Shelby County, Tennessee</b>
<b>Census Tract 9, Shelby County, Tennessee</b>
<b>Census Tract 901, Trousdale County, Tennessee</b>
<b>Census Tract 902, Trousdale County, Tennessee</b>
<b>Census Tract 9301, Moore County, Tennessee</b>

<b>Census Tract 95, Shelby County, Tennessee</b>
<b>Census Tract 96, Shelby County, Tennessee</b>
<b>Census Tract 9681.01, Weakley County, Tennessee</b>
<b>Census Tract 9682.03, Weakley County, Tennessee</b>
<b>Census Tract 9705.02, Cumberland County, Tennessee</b>
<b>Census Tract 9708.01, Coffee County, Tennessee</b>
<b>Census Tract 9709, Coffee County, Tennessee</b>

**Table 2. Urban Census Tracts with NO Fire Deaths; Screen for Population with <= 13.20% Bachelor's degree (VC90), (N=272. (3<sup>rd</sup> Tier Risk of Fire Deaths)**

**UrbanorRural = 1 & filter\_§ = 0 & DP02\_HC03\_VC90 <= 13.20**

Census Tract 10, Madison County, Tennessee
Census Tract 100, Shelby County, Tennessee
Census Tract 1001, Montgomery County, Tennessee
Census Tract 1002, Hamblen County, Tennessee
Census Tract 1002, Montgomery County, Tennessee
Census Tract 1003, Hamblen County, Tennessee
Census Tract 1003, Montgomery County, Tennessee
Census Tract 1004, Hamblen County, Tennessee
Census Tract 1004, Montgomery County, Tennessee
Census Tract 1008, Montgomery County, Tennessee
Census Tract 1009, Montgomery County, Tennessee
Census Tract 101, Blount County, Tennessee
Census Tract 101, Bradley County, Tennessee
Census Tract 101.10, Shelby County, Tennessee
Census Tract 101.20, Shelby County, Tennessee
Census Tract 1010.01, Montgomery County, Tennessee
Census Tract 1011.01, Montgomery County, Tennessee
Census Tract 1012.01, Montgomery County, Tennessee
Census Tract 1013.04, Montgomery County, Tennessee
Census Tract 1013.06, Montgomery County, Tennessee

<b>Census Tract 1013.07, Montgomery County, Tennessee</b>
<b>Census Tract 102, Bradley County, Tennessee</b>
<b>Census Tract 102.02, Davidson County, Tennessee</b>
<b>Census Tract 102.10, Shelby County, Tennessee</b>
<b>Census Tract 102.20, Shelby County, Tennessee</b>
<b>Census Tract 103, Shelby County, Tennessee</b>
<b>Census Tract 103.02, Davidson County, Tennessee</b>
<b>Census Tract 103.06, Hamilton County, Tennessee</b>
<b>Census Tract 104, Bradley County, Tennessee</b>
<b>Census Tract 104.01, Davidson County, Tennessee</b>
<b>Census Tract 104.02, Davidson County, Tennessee</b>
<b>Census Tract 104.33, Hamilton County, Tennessee</b>
<b>Census Tract 105, Shelby County, Tennessee</b>
<b>Census Tract 105.01, Davidson County, Tennessee</b>
<b>Census Tract 106, Blount County, Tennessee</b>
<b>Census Tract 106.02, Davidson County, Tennessee</b>
<b>Census Tract 106.10, Shelby County, Tennessee</b>
<b>Census Tract 106.20, Shelby County, Tennessee</b>
<b>Census Tract 106.30, Shelby County, Tennessee</b>
<b>Census Tract 107, Maury County, Tennessee</b>
<b>Census Tract 107.01, Davidson County, Tennessee</b>
<b>Census Tract 107.02, Davidson County, Tennessee</b>
<b>Census Tract 107.10, Shelby County, Tennessee</b>

<b>Census Tract 107.20, Shelby County, Tennessee</b>
<b>Census Tract 108, Blount County, Tennessee</b>
<b>Census Tract 108, Bradley County, Tennessee</b>
<b>Census Tract 108, Hamilton County, Tennessee</b>
<b>Census Tract 108.01, Davidson County, Tennessee</b>
<b>Census Tract 108.10, Shelby County, Tennessee</b>
<b>Census Tract 109.01, Hamilton County, Tennessee</b>
<b>Census Tract 109.03, Davidson County, Tennessee</b>
<b>Census Tract 109.04, Davidson County, Tennessee</b>
<b>Census Tract 11, Hamilton County, Tennessee</b>
<b>Census Tract 11, Madison County, Tennessee</b>
<b>Census Tract 11, Shelby County, Tennessee</b>
<b>Census Tract 110.01, Davidson County, Tennessee</b>
<b>Census Tract 110.20, Shelby County, Tennessee</b>
<b>Census Tract 111, Shelby County, Tennessee</b>
<b>Census Tract 112, Shelby County, Tennessee</b>
<b>Census Tract 113, Shelby County, Tennessee</b>
<b>Census Tract 114, Shelby County, Tennessee</b>
<b>Census Tract 114.02, Hamilton County, Tennessee</b>
<b>Census Tract 114.44, Hamilton County, Tennessee</b>
<b>Census Tract 115, Shelby County, Tennessee</b>
<b>Census Tract 116, Hamilton County, Tennessee</b>
<b>Census Tract 116, Shelby County, Tennessee</b>

<b>Census Tract 117, Shelby County, Tennessee</b>
<b>Census Tract 118, Hamilton County, Tennessee</b>
<b>Census Tract 12, Hamilton County, Tennessee</b>
<b>Census Tract 12, Shelby County, Tennessee</b>
<b>Census Tract 122, Hamilton County, Tennessee</b>
<b>Census Tract 123, Hamilton County, Tennessee</b>
<b>Census Tract 126, Davidson County, Tennessee</b>
<b>Census Tract 127.01, Davidson County, Tennessee</b>
<b>Census Tract 127.02, Davidson County, Tennessee</b>
<b>Census Tract 128.02, Davidson County, Tennessee</b>
<b>Census Tract 13, Hamilton County, Tennessee</b>
<b>Census Tract 13, Shelby County, Tennessee</b>
<b>Census Tract 132.02, Davidson County, Tennessee</b>
<b>Census Tract 136.01, Davidson County, Tennessee</b>
<b>Census Tract 136.02, Davidson County, Tennessee</b>
<b>Census Tract 137, Davidson County, Tennessee</b>
<b>Census Tract 138, Davidson County, Tennessee</b>
<b>Census Tract 139, Davidson County, Tennessee</b>
<b>Census Tract 14, Hamilton County, Tennessee</b>
<b>Census Tract 14, Knox County, Tennessee</b>
<b>Census Tract 14, Shelby County, Tennessee</b>
<b>Census Tract 142, Davidson County, Tennessee</b>
<b>Census Tract 143, Davidson County, Tennessee</b>

<b>Census Tract 144, Davidson County, Tennessee</b>
<b>Census Tract 148, Davidson County, Tennessee</b>
<b>Census Tract 15, Shelby County, Tennessee</b>
<b>Census Tract 154.02, Davidson County, Tennessee</b>
<b>Census Tract 156.13, Davidson County, Tennessee</b>
<b>Census Tract 158.03, Davidson County, Tennessee</b>
<b>Census Tract 159, Davidson County, Tennessee</b>
<b>Census Tract 16, Hamilton County, Tennessee</b>
<b>Census Tract 16, Knox County, Tennessee</b>
<b>Census Tract 160, Davidson County, Tennessee</b>
<b>Census Tract 161, Davidson County, Tennessee</b>
<b>Census Tract 165, Davidson County, Tennessee</b>
<b>Census Tract 17, Knox County, Tennessee</b>
<b>Census Tract 173, Davidson County, Tennessee</b>
<b>Census Tract 174.01, Davidson County, Tennessee</b>
<b>Census Tract 174.02, Davidson County, Tennessee</b>
<b>Census Tract 19, Hamilton County, Tennessee</b>
<b>Census Tract 19, Knox County, Tennessee</b>
<b>Census Tract 19, Shelby County, Tennessee</b>
<b>Census Tract 190.03, Davidson County, Tennessee</b>
<b>Census Tract 190.04, Davidson County, Tennessee</b>
<b>Census Tract 190.05, Davidson County, Tennessee</b>
<b>Census Tract 190.06, Davidson County, Tennessee</b>



<b>Census Tract 191.08, Davidson County, Tennessee</b>
<b>Census Tract 191.09, Davidson County, Tennessee</b>
<b>Census Tract 193, Davidson County, Tennessee</b>
<b>Census Tract 2, Madison County, Tennessee</b>
<b>Census Tract 2, Shelby County, Tennessee</b>
<b>Census Tract 20, Hamilton County, Tennessee</b>
<b>Census Tract 20, Knox County, Tennessee</b>
<b>Census Tract 20, Shelby County, Tennessee</b>
<b>Census Tract 203, Shelby County, Tennessee</b>
<b>Census Tract 204, Shelby County, Tennessee</b>
<b>Census Tract 205, Anderson County, Tennessee</b>
<b>Census Tract 205.12, Shelby County, Tennessee</b>
<b>Census Tract 205.21, Shelby County, Tennessee</b>
<b>Census Tract 205.23, Shelby County, Tennessee</b>
<b>Census Tract 205.24, Shelby County, Tennessee</b>
<b>Census Tract 205.42, Shelby County, Tennessee</b>
<b>Census Tract 207, Sumner County, Tennessee</b>
<b>Census Tract 208, Sumner County, Tennessee</b>
<b>Census Tract 209.02, Sumner County, Tennessee</b>
<b>Census Tract 21, Knox County, Tennessee</b>
<b>Census Tract 210.04, Sumner County, Tennessee</b>
<b>Census Tract 211.03, Sumner County, Tennessee</b>
<b>Census Tract 211.04, Sumner County, Tennessee</b>

<b>Census Tract 211.06, Sumner County, Tennessee</b>
<b>Census Tract 211.11, Shelby County, Tennessee</b>
<b>Census Tract 211.12, Shelby County, Tennessee</b>
<b>Census Tract 211.22, Shelby County, Tennessee</b>
<b>Census Tract 212.02, Anderson County, Tennessee</b>
<b>Census Tract 217.10, Shelby County, Tennessee</b>
<b>Census Tract 217.21, Shelby County, Tennessee</b>
<b>Census Tract 217.24, Shelby County, Tennessee</b>
<b>Census Tract 217.25, Shelby County, Tennessee</b>
<b>Census Tract 217.26, Shelby County, Tennessee</b>
<b>Census Tract 217.31, Shelby County, Tennessee</b>
<b>Census Tract 217.41, Shelby County, Tennessee</b>
<b>Census Tract 217.44, Shelby County, Tennessee</b>
<b>Census Tract 217.47, Shelby County, Tennessee</b>
<b>Census Tract 219, Shelby County, Tennessee</b>
<b>Census Tract 220.22, Shelby County, Tennessee</b>
<b>Census Tract 220.23, Shelby County, Tennessee</b>
<b>Census Tract 221.11, Shelby County, Tennessee</b>
<b>Census Tract 221.12, Shelby County, Tennessee</b>
<b>Census Tract 221.22, Shelby County, Tennessee</b>
<b>Census Tract 221.30, Shelby County, Tennessee</b>
<b>Census Tract 222.10, Shelby County, Tennessee</b>
<b>Census Tract 222.20, Shelby County, Tennessee</b>

<b>Census Tract 223.10, Shelby County, Tennessee</b>
<b>Census Tract 223.21, Shelby County, Tennessee</b>
<b>Census Tract 223.22, Shelby County, Tennessee</b>
<b>Census Tract 223.30, Shelby County, Tennessee</b>
<b>Census Tract 226, Shelby County, Tennessee</b>
<b>Census Tract 227, Shelby County, Tennessee</b>
<b>Census Tract 23, Hamilton County, Tennessee</b>
<b>Census Tract 24, Hamilton County, Tennessee</b>
<b>Census Tract 24, Knox County, Tennessee</b>
<b>Census Tract 24, Shelby County, Tennessee</b>
<b>Census Tract 25, Hamilton County, Tennessee</b>
<b>Census Tract 26, Hamilton County, Tennessee</b>
<b>Census Tract 27, Knox County, Tennessee</b>
<b>Census Tract 27, Shelby County, Tennessee</b>
<b>Census Tract 28, Knox County, Tennessee</b>
<b>Census Tract 28, Shelby County, Tennessee</b>
<b>Census Tract 29, Knox County, Tennessee</b>
<b>Census Tract 3, Shelby County, Tennessee</b>
<b>Census Tract 30, Hamilton County, Tennessee</b>
<b>Census Tract 304.02, Wilson County, Tennessee</b>
<b>Census Tract 305, Wilson County, Tennessee</b>
<b>Census Tract 306, Wilson County, Tennessee</b>
<b>Census Tract 32, Hamilton County, Tennessee</b>

<b>Census Tract 32, Knox County, Tennessee</b>
<b>Census Tract 33, Hamilton County, Tennessee</b>
<b>Census Tract 37, Shelby County, Tennessee</b>
<b>Census Tract 38, Shelby County, Tennessee</b>
<b>Census Tract 39, Shelby County, Tennessee</b>
<b>Census Tract 39.02, Knox County, Tennessee</b>
<b>Census Tract 4, Hamilton County, Tennessee</b>
<b>Census Tract 4, Madison County, Tennessee</b>
<b>Census Tract 4, Shelby County, Tennessee</b>
<b>Census Tract 401.01, Rutherford County, Tennessee</b>
<b>Census Tract 401.02, Rutherford County, Tennessee</b>
<b>Census Tract 401.05, Rutherford County, Tennessee</b>
<b>Census Tract 402, Sullivan County, Tennessee</b>
<b>Census Tract 403, Sullivan County, Tennessee</b>
<b>Census Tract 403.03, Rutherford County, Tennessee</b>
<b>Census Tract 403.04, Rutherford County, Tennessee</b>
<b>Census Tract 403.05, Rutherford County, Tennessee</b>
<b>Census Tract 405, Sullivan County, Tennessee</b>
<b>Census Tract 407, Tipton County, Tennessee</b>
<b>Census Tract 408, Sullivan County, Tennessee</b>
<b>Census Tract 416, Sullivan County, Tennessee</b>
<b>Census Tract 418, Sullivan County, Tennessee</b>
<b>Census Tract 419, Rutherford County, Tennessee</b>

<b>Census Tract 425, Sullivan County, Tennessee</b>
<b>Census Tract 427.01, Sullivan County, Tennessee</b>
<b>Census Tract 428.02, Sullivan County, Tennessee</b>
<b>Census Tract 45, Shelby County, Tennessee</b>
<b>Census Tract 46, Shelby County, Tennessee</b>
<b>Census Tract 5, Madison County, Tennessee</b>
<b>Census Tract 50, Shelby County, Tennessee</b>
<b>Census Tract 53, Shelby County, Tennessee</b>
<b>Census Tract 56, Shelby County, Tennessee</b>
<b>Census Tract 57, Shelby County, Tennessee</b>
<b>Census Tract 58, Shelby County, Tennessee</b>
<b>Census Tract 59, Shelby County, Tennessee</b>
<b>Census Tract 6, Shelby County, Tennessee</b>
<b>Census Tract 60, Shelby County, Tennessee</b>
<b>Census Tract 609, Washington County, Tennessee</b>
<b>Census Tract 610, Washington County, Tennessee</b>
<b>Census Tract 62, Shelby County, Tennessee</b>
<b>Census Tract 620, Washington County, Tennessee</b>
<b>Census Tract 65, Shelby County, Tennessee</b>
<b>Census Tract 67, Knox County, Tennessee</b>
<b>Census Tract 67, Shelby County, Tennessee</b>
<b>Census Tract 68, Knox County, Tennessee</b>
<b>Census Tract 68, Shelby County, Tennessee</b>

<b>Census Tract 69, Shelby County, Tennessee</b>
<b>Census Tract 7, Madison County, Tennessee</b>
<b>Census Tract 7, Putnam County, Tennessee</b>
<b>Census Tract 7, Shelby County, Tennessee</b>
<b>Census Tract 70, Knox County, Tennessee</b>
<b>Census Tract 70, Shelby County, Tennessee</b>
<b>Census Tract 701, Carter County, Tennessee</b>
<b>Census Tract 703, Cheatham County, Tennessee</b>
<b>Census Tract 710, Carter County, Tennessee</b>
<b>Census Tract 75, Shelby County, Tennessee</b>
<b>Census Tract 78.10, Shelby County, Tennessee</b>
<b>Census Tract 78.21, Shelby County, Tennessee</b>
<b>Census Tract 79, Shelby County, Tennessee</b>
<b>Census Tract 8, Madison County, Tennessee</b>
<b>Census Tract 8, Putnam County, Tennessee</b>
<b>Census Tract 8, Shelby County, Tennessee</b>
<b>Census Tract 80, Shelby County, Tennessee</b>
<b>Census Tract 804, Unicoi County, Tennessee</b>
<b>Census Tract 804.01, Robertson County, Tennessee</b>
<b>Census Tract 804.02, Robertson County, Tennessee</b>
<b>Census Tract 805, Sevier County, Tennessee</b>
<b>Census Tract 808.01, Sevier County, Tennessee</b>
<b>Census Tract 81.10, Shelby County, Tennessee</b>

<b>Census Tract 81.20, Shelby County, Tennessee</b>
<b>Census Tract 82, Shelby County, Tennessee</b>
<b>Census Tract 87, Shelby County, Tennessee</b>
<b>Census Tract 88, Shelby County, Tennessee</b>
<b>Census Tract 89, Shelby County, Tennessee</b>
<b>Census Tract 9, Madison County, Tennessee</b>
<b>Census Tract 9, Shelby County, Tennessee</b>
<b>Census Tract 9.01, Knox County, Tennessee</b>
<b>Census Tract 91, Shelby County, Tennessee</b>
<b>Census Tract 9302, Moore County, Tennessee</b>
<b>Census Tract 9553, Marshall County, Tennessee</b>
<b>Census Tract 9554, Marshall County, Tennessee</b>
<b>Census Tract 9633, Benton County, Tennessee</b>
<b>Census Tract 9682.02, Weakley County, Tennessee</b>
<b>Census Tract 9694, Henry County, Tennessee</b>
<b>Census Tract 9695, Henry County, Tennessee</b>
<b>Census Tract 97, Shelby County, Tennessee</b>
<b>Census Tract 9702, Chester County, Tennessee</b>
<b>Census Tract 9702, Claiborne County, Tennessee</b>
<b>Census Tract 9710, Coffee County, Tennessee</b>
<b>Census Tract 98, Shelby County, Tennessee</b>
<b>Census Tract 99.02, Shelby County, Tennessee</b>

**Table 3. Urban Census Tracts with NO Fire Deaths; Screen for Population with <= 13.20% Bachelor's degree (VC90), and >= 37.07% people/ families in poverty. (N=173) (2nd Tier Risk of Fire Deaths- subset of 3<sup>rd</sup> Tier Risk)**

**UrbanorRural = 1 & filter\_§ = 0 & DP02\_HC03\_VC90 <= 13.20 & DP03\_HC03\_VC167 >= 37.07**

Census Tract 100, Shelby County, Tennessee
Census Tract 1002, Montgomery County, Tennessee
Census Tract 1003, Hamblen County, Tennessee
Census Tract 1003, Montgomery County, Tennessee
Census Tract 1004, Montgomery County, Tennessee
Census Tract 1008, Montgomery County, Tennessee
Census Tract 1009, Montgomery County, Tennessee
Census Tract 101, Bradley County, Tennessee
Census Tract 101.10, Shelby County, Tennessee
Census Tract 101.20, Shelby County, Tennessee
Census Tract 1010.01, Montgomery County, Tennessee
Census Tract 1013.07, Montgomery County, Tennessee
Census Tract 102.10, Shelby County, Tennessee
Census Tract 102.20, Shelby County, Tennessee
Census Tract 103, Shelby County, Tennessee
Census Tract 103.02, Davidson County, Tennessee
Census Tract 104.02, Davidson County, Tennessee



<b>Census Tract 104.33, Hamilton County, Tennessee</b>
<b>Census Tract 105, Shelby County, Tennessee</b>
<b>Census Tract 106.02, Davidson County, Tennessee</b>
<b>Census Tract 106.10, Shelby County, Tennessee</b>
<b>Census Tract 106.20, Shelby County, Tennessee</b>
<b>Census Tract 106.30, Shelby County, Tennessee</b>
<b>Census Tract 107, Maury County, Tennessee</b>
<b>Census Tract 107.01, Davidson County, Tennessee</b>
<b>Census Tract 107.02, Davidson County, Tennessee</b>
<b>Census Tract 107.20, Shelby County, Tennessee</b>
<b>Census Tract 108, Bradley County, Tennessee</b>
<b>Census Tract 109.03, Davidson County, Tennessee</b>
<b>Census Tract 109.04, Davidson County, Tennessee</b>
<b>Census Tract 11, Hamilton County, Tennessee</b>
<b>Census Tract 11, Madison County, Tennessee</b>
<b>Census Tract 11, Shelby County, Tennessee</b>
<b>Census Tract 110.01, Davidson County, Tennessee</b>
<b>Census Tract 110.20, Shelby County, Tennessee</b>
<b>Census Tract 111, Shelby County, Tennessee</b>
<b>Census Tract 112, Shelby County, Tennessee</b>
<b>Census Tract 113, Shelby County, Tennessee</b>
<b>Census Tract 114, Shelby County, Tennessee</b>
<b>Census Tract 115, Shelby County, Tennessee</b>

<b>Census Tract 116, Shelby County, Tennessee</b>
<b>Census Tract 117, Shelby County, Tennessee</b>
<b>Census Tract 12, Hamilton County, Tennessee</b>
<b>Census Tract 12, Shelby County, Tennessee</b>
<b>Census Tract 122, Hamilton County, Tennessee</b>
<b>Census Tract 123, Hamilton County, Tennessee</b>
<b>Census Tract 126, Davidson County, Tennessee</b>
<b>Census Tract 127.01, Davidson County, Tennessee</b>
<b>Census Tract 127.02, Davidson County, Tennessee</b>
<b>Census Tract 13, Hamilton County, Tennessee</b>
<b>Census Tract 13, Shelby County, Tennessee</b>
<b>Census Tract 132.02, Davidson County, Tennessee</b>
<b>Census Tract 136.01, Davidson County, Tennessee</b>
<b>Census Tract 136.02, Davidson County, Tennessee</b>
<b>Census Tract 137, Davidson County, Tennessee</b>
<b>Census Tract 138, Davidson County, Tennessee</b>
<b>Census Tract 139, Davidson County, Tennessee</b>
<b>Census Tract 14, Hamilton County, Tennessee</b>
<b>Census Tract 14, Knox County, Tennessee</b>
<b>Census Tract 142, Davidson County, Tennessee</b>
<b>Census Tract 143, Davidson County, Tennessee</b>
<b>Census Tract 144, Davidson County, Tennessee</b>
<b>Census Tract 148, Davidson County, Tennessee</b>

<b>Census Tract 15, Shelby County, Tennessee</b>
<b>Census Tract 158.03, Davidson County, Tennessee</b>
<b>Census Tract 16, Hamilton County, Tennessee</b>
<b>Census Tract 165, Davidson County, Tennessee</b>
<b>Census Tract 173, Davidson County, Tennessee</b>
<b>Census Tract 174.01, Davidson County, Tennessee</b>
<b>Census Tract 174.02, Davidson County, Tennessee</b>
<b>Census Tract 19, Hamilton County, Tennessee</b>
<b>Census Tract 19, Knox County, Tennessee</b>
<b>Census Tract 19, Shelby County, Tennessee</b>
<b>Census Tract 190.04, Davidson County, Tennessee</b>
<b>Census Tract 190.05, Davidson County, Tennessee</b>
<b>Census Tract 190.06, Davidson County, Tennessee</b>
<b>Census Tract 191.08, Davidson County, Tennessee</b>
<b>Census Tract 193, Davidson County, Tennessee</b>
<b>Census Tract 2, Madison County, Tennessee</b>
<b>Census Tract 20, Hamilton County, Tennessee</b>
<b>Census Tract 20, Knox County, Tennessee</b>
<b>Census Tract 20, Shelby County, Tennessee</b>
<b>Census Tract 205.12, Shelby County, Tennessee</b>
<b>Census Tract 205.21, Shelby County, Tennessee</b>
<b>Census Tract 205.23, Shelby County, Tennessee</b>
<b>Census Tract 208, Sumner County, Tennessee</b>

<b>Census Tract 217.10, Shelby County, Tennessee</b>
<b>Census Tract 217.21, Shelby County, Tennessee</b>
<b>Census Tract 217.26, Shelby County, Tennessee</b>
<b>Census Tract 217.31, Shelby County, Tennessee</b>
<b>Census Tract 220.23, Shelby County, Tennessee</b>
<b>Census Tract 221.12, Shelby County, Tennessee</b>
<b>Census Tract 221.30, Shelby County, Tennessee</b>
<b>Census Tract 222.10, Shelby County, Tennessee</b>
<b>Census Tract 222.20, Shelby County, Tennessee</b>
<b>Census Tract 223.10, Shelby County, Tennessee</b>
<b>Census Tract 223.30, Shelby County, Tennessee</b>
<b>Census Tract 226, Shelby County, Tennessee</b>
<b>Census Tract 227, Shelby County, Tennessee</b>
<b>Census Tract 23, Hamilton County, Tennessee</b>
<b>Census Tract 24, Hamilton County, Tennessee</b>
<b>Census Tract 24, Knox County, Tennessee</b>
<b>Census Tract 24, Shelby County, Tennessee</b>
<b>Census Tract 25, Hamilton County, Tennessee</b>
<b>Census Tract 26, Hamilton County, Tennessee</b>
<b>Census Tract 27, Knox County, Tennessee</b>
<b>Census Tract 27, Shelby County, Tennessee</b>
<b>Census Tract 28, Knox County, Tennessee</b>
<b>Census Tract 28, Shelby County, Tennessee</b>

<b>Census Tract 29, Knox County, Tennessee</b>
<b>Census Tract 3, Shelby County, Tennessee</b>
<b>Census Tract 30, Hamilton County, Tennessee</b>
<b>Census Tract 32, Hamilton County, Tennessee</b>
<b>Census Tract 38, Shelby County, Tennessee</b>
<b>Census Tract 39, Shelby County, Tennessee</b>
<b>Census Tract 4, Hamilton County, Tennessee</b>
<b>Census Tract 4, Madison County, Tennessee</b>
<b>Census Tract 4, Shelby County, Tennessee</b>
<b>Census Tract 401.01, Rutherford County, Tennessee</b>
<b>Census Tract 402, Sullivan County, Tennessee</b>
<b>Census Tract 405, Sullivan County, Tennessee</b>
<b>Census Tract 407, Tipton County, Tennessee</b>
<b>Census Tract 418, Sullivan County, Tennessee</b>
<b>Census Tract 419, Rutherford County, Tennessee</b>
<b>Census Tract 427.01, Sullivan County, Tennessee</b>
<b>Census Tract 45, Shelby County, Tennessee</b>
<b>Census Tract 46, Shelby County, Tennessee</b>
<b>Census Tract 5, Madison County, Tennessee</b>
<b>Census Tract 50, Shelby County, Tennessee</b>
<b>Census Tract 53, Shelby County, Tennessee</b>
<b>Census Tract 56, Shelby County, Tennessee</b>
<b>Census Tract 57, Shelby County, Tennessee</b>

<b>Census Tract 58, Shelby County, Tennessee</b>
<b>Census Tract 59, Shelby County, Tennessee</b>
<b>Census Tract 6, Shelby County, Tennessee</b>
<b>Census Tract 60, Shelby County, Tennessee</b>
<b>Census Tract 609, Washington County, Tennessee</b>
<b>Census Tract 610, Washington County, Tennessee</b>
<b>Census Tract 62, Shelby County, Tennessee</b>
<b>Census Tract 620, Washington County, Tennessee</b>
<b>Census Tract 65, Shelby County, Tennessee</b>
<b>Census Tract 67, Knox County, Tennessee</b>
<b>Census Tract 67, Shelby County, Tennessee</b>
<b>Census Tract 68, Knox County, Tennessee</b>
<b>Census Tract 68, Shelby County, Tennessee</b>
<b>Census Tract 69, Shelby County, Tennessee</b>
<b>Census Tract 7, Madison County, Tennessee</b>
<b>Census Tract 7, Putnam County, Tennessee</b>
<b>Census Tract 7, Shelby County, Tennessee</b>
<b>Census Tract 70, Knox County, Tennessee</b>
<b>Census Tract 70, Shelby County, Tennessee</b>
<b>Census Tract 710, Carter County, Tennessee</b>
<b>Census Tract 75, Shelby County, Tennessee</b>
<b>Census Tract 78.10, Shelby County, Tennessee</b>
<b>Census Tract 78.21, Shelby County, Tennessee</b>

<b>Census Tract 79, Shelby County, Tennessee</b>
<b>Census Tract 8, Madison County, Tennessee</b>
<b>Census Tract 8, Putnam County, Tennessee</b>
<b>Census Tract 8, Shelby County, Tennessee</b>
<b>Census Tract 80, Shelby County, Tennessee</b>
<b>Census Tract 805, Sevier County, Tennessee</b>
<b>Census Tract 81.10, Shelby County, Tennessee</b>
<b>Census Tract 81.20, Shelby County, Tennessee</b>
<b>Census Tract 82, Shelby County, Tennessee</b>
<b>Census Tract 88, Shelby County, Tennessee</b>
<b>Census Tract 89, Shelby County, Tennessee</b>
<b>Census Tract 9, Madison County, Tennessee</b>
<b>Census Tract 9, Shelby County, Tennessee</b>
<b>Census Tract 9553, Marshall County, Tennessee</b>
<b>Census Tract 9633, Benton County, Tennessee</b>
<b>Census Tract 9694, Henry County, Tennessee</b>
<b>Census Tract 97, Shelby County, Tennessee</b>
<b>Census Tract 99.02, Shelby County, Tennessee</b>

**Table 4. Urban Census Tracts with NO Fire Deaths; Screen for Population with <= 13.20% Bachelor's degree (VC90), and >= 37.07% people/families in poverty and Percent Owner-occupied Units with Value between \$50,000 to \$99,999 (N= 128)**

**(1<sup>st</sup> Tier Risk of Fire Deaths- subset of 2nd Tier Risk)**

**UrbanorRural = 1 & filter\_\$\$ = 0 & DP02\_HC03\_VC90 <= 13.20 & DP03\_HC03\_VC167 >= 37.07 & DP04\_HC03\_VC118 >= 33.43**

Census Tract 100, Shelby County, Tennessee
Census Tract 1002, Montgomery County, Tennessee
Census Tract 1003, Hamblen County, Tennessee
Census Tract 1004, Montgomery County, Tennessee
Census Tract 1008, Montgomery County, Tennessee
Census Tract 1009, Montgomery County, Tennessee
Census Tract 101.10, Shelby County, Tennessee
Census Tract 101.20, Shelby County, Tennessee
Census Tract 102.10, Shelby County, Tennessee
Census Tract 102.20, Shelby County, Tennessee
Census Tract 103, Shelby County, Tennessee
Census Tract 106.10, Shelby County, Tennessee
Census Tract 106.20, Shelby County, Tennessee
Census Tract 106.30, Shelby County, Tennessee
Census Tract 107, Maury County, Tennessee
Census Tract 107.01, Davidson County, Tennessee



<b>Census Tract 108, Bradley County, Tennessee</b>
<b>Census Tract 11, Hamilton County, Tennessee</b>
<b>Census Tract 11, Shelby County, Tennessee</b>
<b>Census Tract 110.20, Shelby County, Tennessee</b>
<b>Census Tract 111, Shelby County, Tennessee</b>
<b>Census Tract 112, Shelby County, Tennessee</b>
<b>Census Tract 113, Shelby County, Tennessee</b>
<b>Census Tract 115, Shelby County, Tennessee</b>
<b>Census Tract 116, Shelby County, Tennessee</b>
<b>Census Tract 117, Shelby County, Tennessee</b>
<b>Census Tract 12, Hamilton County, Tennessee</b>
<b>Census Tract 12, Shelby County, Tennessee</b>
<b>Census Tract 122, Hamilton County, Tennessee</b>
<b>Census Tract 123, Hamilton County, Tennessee</b>
<b>Census Tract 126, Davidson County, Tennessee</b>
<b>Census Tract 13, Hamilton County, Tennessee</b>
<b>Census Tract 13, Shelby County, Tennessee</b>
<b>Census Tract 136.01, Davidson County, Tennessee</b>
<b>Census Tract 136.02, Davidson County, Tennessee</b>
<b>Census Tract 137, Davidson County, Tennessee</b>
<b>Census Tract 138, Davidson County, Tennessee</b>
<b>Census Tract 139, Davidson County, Tennessee</b>
<b>Census Tract 14, Knox County, Tennessee</b>

<b>Census Tract 143, Davidson County, Tennessee</b>
<b>Census Tract 144, Davidson County, Tennessee</b>
<b>Census Tract 148, Davidson County, Tennessee</b>
<b>Census Tract 15, Shelby County, Tennessee</b>
<b>Census Tract 173, Davidson County, Tennessee</b>
<b>Census Tract 174.01, Davidson County, Tennessee</b>
<b>Census Tract 19, Hamilton County, Tennessee</b>
<b>Census Tract 19, Knox County, Tennessee</b>
<b>Census Tract 19, Shelby County, Tennessee</b>
<b>Census Tract 190.05, Davidson County, Tennessee</b>
<b>Census Tract 20, Knox County, Tennessee</b>
<b>Census Tract 20, Shelby County, Tennessee</b>
<b>Census Tract 205.12, Shelby County, Tennessee</b>
<b>Census Tract 205.21, Shelby County, Tennessee</b>
<b>Census Tract 205.23, Shelby County, Tennessee</b>
<b>Census Tract 208, Sumner County, Tennessee</b>
<b>Census Tract 217.21, Shelby County, Tennessee</b>
<b>Census Tract 217.31, Shelby County, Tennessee</b>
<b>Census Tract 220.23, Shelby County, Tennessee</b>
<b>Census Tract 221.12, Shelby County, Tennessee</b>
<b>Census Tract 221.30, Shelby County, Tennessee</b>
<b>Census Tract 222.10, Shelby County, Tennessee</b>
<b>Census Tract 222.20, Shelby County, Tennessee</b>

<b>Census Tract 223.10, Shelby County, Tennessee</b>
<b>Census Tract 223.30, Shelby County, Tennessee</b>
<b>Census Tract 226, Shelby County, Tennessee</b>
<b>Census Tract 227, Shelby County, Tennessee</b>
<b>Census Tract 23, Hamilton County, Tennessee</b>
<b>Census Tract 24, Hamilton County, Tennessee</b>
<b>Census Tract 24, Knox County, Tennessee</b>
<b>Census Tract 24, Shelby County, Tennessee</b>
<b>Census Tract 25, Hamilton County, Tennessee</b>
<b>Census Tract 26, Hamilton County, Tennessee</b>
<b>Census Tract 27, Knox County, Tennessee</b>
<b>Census Tract 27, Shelby County, Tennessee</b>
<b>Census Tract 28, Knox County, Tennessee</b>
<b>Census Tract 28, Shelby County, Tennessee</b>
<b>Census Tract 29, Knox County, Tennessee</b>
<b>Census Tract 3, Shelby County, Tennessee</b>
<b>Census Tract 30, Hamilton County, Tennessee</b>
<b>Census Tract 32, Hamilton County, Tennessee</b>
<b>Census Tract 4, Hamilton County, Tennessee</b>
<b>Census Tract 4, Madison County, Tennessee</b>
<b>Census Tract 4, Shelby County, Tennessee</b>
<b>Census Tract 402, Sullivan County, Tennessee</b>
<b>Census Tract 407, Tipton County, Tennessee</b>

<b>Census Tract 418, Sullivan County, Tennessee</b>
<b>Census Tract 419, Rutherford County, Tennessee</b>
<b>Census Tract 427.01, Sullivan County, Tennessee</b>
<b>Census Tract 45, Shelby County, Tennessee</b>
<b>Census Tract 5, Madison County, Tennessee</b>
<b>Census Tract 50, Shelby County, Tennessee</b>
<b>Census Tract 53, Shelby County, Tennessee</b>
<b>Census Tract 56, Shelby County, Tennessee</b>
<b>Census Tract 57, Shelby County, Tennessee</b>
<b>Census Tract 58, Shelby County, Tennessee</b>
<b>Census Tract 59, Shelby County, Tennessee</b>
<b>Census Tract 60, Shelby County, Tennessee</b>
<b>Census Tract 610, Washington County, Tennessee</b>
<b>Census Tract 62, Shelby County, Tennessee</b>
<b>Census Tract 620, Washington County, Tennessee</b>
<b>Census Tract 65, Shelby County, Tennessee</b>
<b>Census Tract 67, Knox County, Tennessee</b>
<b>Census Tract 68, Knox County, Tennessee</b>
<b>Census Tract 68, Shelby County, Tennessee</b>
<b>Census Tract 69, Shelby County, Tennessee</b>
<b>Census Tract 7, Madison County, Tennessee</b>
<b>Census Tract 7, Putnam County, Tennessee</b>
<b>Census Tract 7, Shelby County, Tennessee</b>

<b>Census Tract 70, Knox County, Tennessee</b>
<b>Census Tract 70, Shelby County, Tennessee</b>
<b>Census Tract 75, Shelby County, Tennessee</b>
<b>Census Tract 78.10, Shelby County, Tennessee</b>
<b>Census Tract 78.21, Shelby County, Tennessee</b>
<b>Census Tract 79, Shelby County, Tennessee</b>
<b>Census Tract 8, Madison County, Tennessee</b>
<b>Census Tract 8, Shelby County, Tennessee</b>
<b>Census Tract 80, Shelby County, Tennessee</b>
<b>Census Tract 81.10, Shelby County, Tennessee</b>
<b>Census Tract 81.20, Shelby County, Tennessee</b>
<b>Census Tract 82, Shelby County, Tennessee</b>
<b>Census Tract 88, Shelby County, Tennessee</b>
<b>Census Tract 89, Shelby County, Tennessee</b>
<b>Census Tract 9, Shelby County, Tennessee</b>
<b>Census Tract 9553, Marshall County, Tennessee</b>
<b>Census Tract 9633, Benton County, Tennessee</b>
<b>Census Tract 9694, Henry County, Tennessee</b>
<b>Census Tract 97, Shelby County, Tennessee</b>
<b>Census Tract 99.02, Shelby County, Tennessee</b>

**Table 5. Rural Census Tracts with Fire Deaths, 2008 thru 2013 CONFIRMED RISK OF FIRE DEATH (N=194)**

Census Tract 10, Putnam County, Tennessee
Census Tract 1006, Hamblen County, Tennessee
Census Tract 1007, Hamblen County, Tennessee
Census Tract 1016, Montgomery County, Tennessee
Census Tract 1017, Montgomery County, Tennessee
Census Tract 102.01, Maury County, Tennessee
Census Tract 103.01, Blount County, Tennessee
Census Tract 103.01, Maury County, Tennessee
Census Tract 104, Maury County, Tennessee
Census Tract 105, Maury County, Tennessee
Census Tract 109, Blount County, Tennessee
Census Tract 11, Putnam County, Tennessee
Census Tract 110.01, Maury County, Tennessee
Census Tract 1102, Stewart County, Tennessee
Census Tract 1107, Stewart County, Tennessee
Census Tract 111.01, Blount County, Tennessee
Census Tract 113.01, Blount County, Tennessee
Census Tract 113.11, Hamilton County, Tennessee
Census Tract 114.01, Blount County, Tennessee
Census Tract 1202, Houston County, Tennessee

<b>Census Tract 13, Madison County, Tennessee</b>
<b>Census Tract 1302, Humphreys County, Tennessee</b>
<b>Census Tract 14.02, Madison County, Tennessee</b>
<b>Census Tract 15.02, Madison County, Tennessee</b>
<b>Census Tract 19, Madison County, Tennessee</b>
<b>Census Tract 2, Putnam County, Tennessee</b>
<b>Census Tract 201.01, Sumner County, Tennessee</b>
<b>Census Tract 202.05, Sumner County, Tennessee</b>
<b>Census Tract 202.10, Shelby County, Tennessee</b>
<b>Census Tract 208.32, Shelby County, Tennessee</b>
<b>Census Tract 210.10, Shelby County, Tennessee</b>
<b>Census Tract 211, Anderson County, Tennessee</b>
<b>Census Tract 213.01, Anderson County, Tennessee</b>
<b>Census Tract 301.02, Wilson County, Tennessee</b>
<b>Census Tract 302.02, Roane County, Tennessee</b>
<b>Census Tract 305, Roane County, Tennessee</b>
<b>Census Tract 306, Roane County, Tennessee</b>
<b>Census Tract 308, Roane County, Tennessee</b>
<b>Census Tract 309, Roane County, Tennessee</b>
<b>Census Tract 309.03, Wilson County, Tennessee</b>
<b>Census Tract 401, Union County, Tennessee</b>
<b>Census Tract 402, Tipton County, Tennessee</b>
<b>Census Tract 403.03, Tipton County, Tennessee</b>

<b>Census Tract 405, Tipton County, Tennessee</b>
<b>Census Tract 408.08, Rutherford County, Tennessee</b>
<b>Census Tract 414, Sullivan County, Tennessee</b>
<b>Census Tract 421, Rutherford County, Tennessee</b>
<b>Census Tract 424, Sullivan County, Tennessee</b>
<b>Census Tract 431, Sullivan County, Tennessee</b>
<b>Census Tract 432.02, Sullivan County, Tennessee</b>
<b>Census Tract 433.02, Sullivan County, Tennessee</b>
<b>Census Tract 5004.02, Grainger County, Tennessee</b>
<b>Census Tract 501.02, Williamson County, Tennessee</b>
<b>Census Tract 502.01, Marion County, Tennessee</b>
<b>Census Tract 503.01, Hawkins County, Tennessee</b>
<b>Census Tract 503.02, Hawkins County, Tennessee</b>
<b>Census Tract 504, Hawkins County, Tennessee</b>
<b>Census Tract 505.05, Lauderdale County, Tennessee</b>
<b>Census Tract 505.06, Lauderdale County, Tennessee</b>
<b>Census Tract 506, Lauderdale County, Tennessee</b>
<b>Census Tract 506.01, Hawkins County, Tennessee</b>
<b>Census Tract 54.02, Knox County, Tennessee</b>
<b>Census Tract 55.02, Knox County, Tennessee</b>
<b>Census Tract 57.12, Knox County, Tennessee</b>
<b>Census Tract 601, Dickson County, Tennessee</b>
<b>Census Tract 601.01, Sequatchie County, Tennessee</b>



<b>Census Tract 602, Dickson County, Tennessee</b>
<b>Census Tract 603, Fayette County, Tennessee</b>
<b>Census Tract 605.01, Dickson County, Tennessee</b>
<b>Census Tract 605.01, Loudon County, Tennessee</b>
<b>Census Tract 605.02, Fayette County, Tennessee</b>
<b>Census Tract 61.04, Knox County, Tennessee</b>
<b>Census Tract 612, Washington County, Tennessee</b>
<b>Census Tract 615, Washington County, Tennessee</b>
<b>Census Tract 616.02, Washington County, Tennessee</b>
<b>Census Tract 63.02, Knox County, Tennessee</b>
<b>Census Tract 701, Jefferson County, Tennessee</b>
<b>Census Tract 701.03, Cheatham County, Tennessee</b>
<b>Census Tract 701.04, Cheatham County, Tennessee</b>
<b>Census Tract 703, Jefferson County, Tennessee</b>
<b>Census Tract 704.01, Cheatham County, Tennessee</b>
<b>Census Tract 705, Carter County, Tennessee</b>
<b>Census Tract 707, Carter County, Tennessee</b>
<b>Census Tract 707, Jefferson County, Tennessee</b>
<b>Census Tract 708, Carter County, Tennessee</b>
<b>Census Tract 717, Carter County, Tennessee</b>
<b>Census Tract 801.01, Sevier County, Tennessee</b>
<b>Census Tract 801.03, Robertson County, Tennessee</b>
<b>Census Tract 802, Robertson County, Tennessee</b>

<b>Census Tract 804, Sevier County, Tennessee</b>
<b>Census Tract 806.05, Robertson County, Tennessee</b>
<b>Census Tract 807, Robertson County, Tennessee</b>
<b>Census Tract 807, Sevier County, Tennessee</b>
<b>Census Tract 809.01, Sevier County, Tennessee</b>
<b>Census Tract 810, Sevier County, Tennessee</b>
<b>Census Tract 904, Greene County, Tennessee</b>
<b>Census Tract 905, Greene County, Tennessee</b>
<b>Census Tract 910, Greene County, Tennessee</b>
<b>Census Tract 912, Greene County, Tennessee</b>
<b>Census Tract 9201.01, DeKalb County, Tennessee</b>
<b>Census Tract 9203, Cocke County, Tennessee</b>
<b>Census Tract 9203, DeKalb County, Tennessee</b>
<b>Census Tract 9203, Hardin County, Tennessee</b>
<b>Census Tract 9204, Cocke County, Tennessee</b>
<b>Census Tract 9204, Giles County, Tennessee</b>
<b>Census Tract 9205.02, Cocke County, Tennessee</b>
<b>Census Tract 9206, Cocke County, Tennessee</b>
<b>Census Tract 9250, Monroe County, Tennessee</b>
<b>Census Tract 9250, Van Buren County, Tennessee</b>
<b>Census Tract 9251, Monroe County, Tennessee</b>
<b>Census Tract 9251, Pickett County, Tennessee</b>
<b>Census Tract 9254, Monroe County, Tennessee</b>

<b>Census Tract 9255.02, Monroe County, Tennessee</b>
<b>Census Tract 9301, Perry County, Tennessee</b>
<b>Census Tract 9302, McNairy County, Tennessee</b>
<b>Census Tract 9304, Warren County, Tennessee</b>
<b>Census Tract 9305, McNairy County, Tennessee</b>
<b>Census Tract 9352, White County, Tennessee</b>
<b>Census Tract 9501, Campbell County, Tennessee</b>
<b>Census Tract 9501, Hardeman County, Tennessee</b>
<b>Census Tract 9501, Wayne County, Tennessee</b>
<b>Census Tract 9502, Bedford County, Tennessee</b>
<b>Census Tract 9502, Overton County, Tennessee</b>
<b>Census Tract 9503, Campbell County, Tennessee</b>
<b>Census Tract 9503, Wayne County, Tennessee</b>
<b>Census Tract 9503.02, Overton County, Tennessee</b>
<b>Census Tract 9504, Hardeman County, Tennessee</b>
<b>Census Tract 9504, Polk County, Tennessee</b>
<b>Census Tract 9505, Bedford County, Tennessee</b>
<b>Census Tract 9506, Bedford County, Tennessee</b>
<b>Census Tract 9506, Campbell County, Tennessee</b>
<b>Census Tract 9531, Bledsoe County, Tennessee</b>
<b>Census Tract 9532, Bledsoe County, Tennessee</b>
<b>Census Tract 9550, Marshall County, Tennessee</b>
<b>Census Tract 9550.02, Decatur County, Tennessee</b>

<b>Census Tract 9553, Grundy County, Tennessee</b>
<b>Census Tract 9602, Cannon County, Tennessee</b>
<b>Census Tract 9602, Lawrence County, Tennessee</b>
<b>Census Tract 9602.02, Franklin County, Tennessee</b>
<b>Census Tract 9603, Cannon County, Tennessee</b>
<b>Census Tract 9603, Jackson County, Tennessee</b>
<b>Census Tract 9603, Meigs County, Tennessee</b>
<b>Census Tract 9604, Franklin County, Tennessee</b>
<b>Census Tract 9605.01, Lawrence County, Tennessee</b>
<b>Census Tract 9606, Franklin County, Tennessee</b>
<b>Census Tract 9607, Lawrence County, Tennessee</b>
<b>Census Tract 9608, Franklin County, Tennessee</b>
<b>Census Tract 9621, Carroll County, Tennessee</b>
<b>Census Tract 9624, Carroll County, Tennessee</b>
<b>Census Tract 9625, Carroll County, Tennessee</b>
<b>Census Tract 9630, Benton County, Tennessee</b>
<b>Census Tract 9631, Benton County, Tennessee</b>
<b>Census Tract 9634, Benton County, Tennessee</b>
<b>Census Tract 9644, Dyer County, Tennessee</b>
<b>Census Tract 9646, Dyer County, Tennessee</b>
<b>Census Tract 9651, Fentress County, Tennessee</b>
<b>Census Tract 9653, Fentress County, Tennessee</b>
<b>Census Tract 9653, Obion County, Tennessee</b>

<b>Census Tract 9655, Obion County, Tennessee</b>
<b>Census Tract 9656, Obion County, Tennessee</b>
<b>Census Tract 9664, Gibson County, Tennessee</b>
<b>Census Tract 9667, Gibson County, Tennessee</b>
<b>Census Tract 9668, Gibson County, Tennessee</b>
<b>Census Tract 9669, Gibson County, Tennessee</b>
<b>Census Tract 9670, Gibson County, Tennessee</b>
<b>Census Tract 9674, Gibson County, Tennessee</b>
<b>Census Tract 9685, Weakley County, Tennessee</b>
<b>Census Tract 9692, Henry County, Tennessee</b>
<b>Census Tract 9693, Henry County, Tennessee</b>
<b>Census Tract 9696, Henry County, Tennessee</b>
<b>Census Tract 9701, Chester County, Tennessee</b>
<b>Census Tract 9702, Lewis County, Tennessee</b>
<b>Census Tract 9702, Macon County, Tennessee</b>
<b>Census Tract 9702, McMinn County, Tennessee</b>
<b>Census Tract 9703, Macon County, Tennessee</b>
<b>Census Tract 9704, Cumberland County, Tennessee</b>
<b>Census Tract 9704.02, McMinn County, Tennessee</b>
<b>Census Tract 9705.01, Cumberland County, Tennessee</b>
<b>Census Tract 9707, Claiborne County, Tennessee</b>
<b>Census Tract 9707, McMinn County, Tennessee</b>
<b>Census Tract 9707.02, Cumberland County, Tennessee</b>

Census Tract 9708.02, Coffee County, Tennessee
Census Tract 9709, Claiborne County, Tennessee
Census Tract 9750, Smith County, Tennessee
Census Tract 9751, Smith County, Tennessee
Census Tract 9752, Henderson County, Tennessee
Census Tract 9752, Lincoln County, Tennessee
Census Tract 9752, Scott County, Tennessee
Census Tract 9752, Smith County, Tennessee
Census Tract 9753, Henderson County, Tennessee
Census Tract 9753, Lincoln County, Tennessee
Census Tract 9753, Scott County, Tennessee
Census Tract 9754, Henderson County, Tennessee
Census Tract 99.01, Shelby County, Tennessee

**Table 6. Rural Census Tracts with Fire No Deaths, 2008 thru 2013, Screened for Percent Population 25 years or older with Bachelor's degree (N=267) (3<sup>rd</sup> Tier Risk of Fire Deaths)**

**UrbanorRural = 2 & FireDeathorNot = 0 & DP02\_HC03\_VC90 <= 9.36**

Census Tract 1, Putnam County, Tennessee
Census Tract 1008, Hamblen County, Tennessee
Census Tract 101, Maury County, Tennessee
Census Tract 101.04, Hamilton County, Tennessee
Census Tract 1011.03, Montgomery County, Tennessee

<b>Census Tract 108.02, Maury County, Tennessee</b>
<b>Census Tract 109, Bradley County, Tennessee</b>
<b>Census Tract 109, Maury County, Tennessee</b>
<b>Census Tract 109.02, Hamilton County, Tennessee</b>
<b>Census Tract 110.01, Hamilton County, Tennessee</b>
<b>Census Tract 110.02, Maury County, Tennessee</b>
<b>Census Tract 1101, Morgan County, Tennessee</b>
<b>Census Tract 1102, Morgan County, Tennessee</b>
<b>Census Tract 1103, Morgan County, Tennessee</b>
<b>Census Tract 1104, Morgan County, Tennessee</b>
<b>Census Tract 1105, Morgan County, Tennessee</b>
<b>Census Tract 1106, Stewart County, Tennessee</b>
<b>Census Tract 111, Bradley County, Tennessee</b>
<b>Census Tract 112, Blount County, Tennessee</b>
<b>Census Tract 112, Maury County, Tennessee</b>
<b>Census Tract 112.01, Bradley County, Tennessee</b>
<b>Census Tract 113, Bradley County, Tennessee</b>
<b>Census Tract 115.01, Blount County, Tennessee</b>
<b>Census Tract 115.02, Blount County, Tennessee</b>
<b>Census Tract 116.01, Bradley County, Tennessee</b>
<b>Census Tract 116.02, Bradley County, Tennessee</b>
<b>Census Tract 116.03, Blount County, Tennessee</b>
<b>Census Tract 116.04, Blount County, Tennessee</b>

<b>Census Tract 1201, Houston County, Tennessee</b>
<b>Census Tract 1203, Houston County, Tennessee</b>
<b>Census Tract 1301, Humphreys County, Tennessee</b>
<b>Census Tract 1303, Humphreys County, Tennessee</b>
<b>Census Tract 1304, Humphreys County, Tennessee</b>
<b>Census Tract 14.01, Madison County, Tennessee</b>
<b>Census Tract 201.01, Shelby County, Tennessee</b>
<b>Census Tract 201.02, Sumner County, Tennessee</b>
<b>Census Tract 202.07, Sumner County, Tennessee</b>
<b>Census Tract 202.09, Sumner County, Tennessee</b>
<b>Census Tract 202.22, Shelby County, Tennessee</b>
<b>Census Tract 204.05, Sumner County, Tennessee</b>
<b>Census Tract 205.31, Shelby County, Tennessee</b>
<b>Census Tract 206.01, Sumner County, Tennessee</b>
<b>Census Tract 207, Anderson County, Tennessee</b>
<b>Census Tract 208, Anderson County, Tennessee</b>
<b>Census Tract 209.01, Sumner County, Tennessee</b>
<b>Census Tract 209.02, Anderson County, Tennessee</b>
<b>Census Tract 210, Anderson County, Tennessee</b>
<b>Census Tract 212.01, Anderson County, Tennessee</b>
<b>Census Tract 3.03, Putnam County, Tennessee</b>
<b>Census Tract 304, Roane County, Tennessee</b>
<b>Census Tract 307, Roane County, Tennessee</b>



<b>Census Tract 401, Tipton County, Tennessee</b>
<b>Census Tract 402.01, Union County, Tennessee</b>
<b>Census Tract 402.02, Union County, Tennessee</b>
<b>Census Tract 406.02, Tipton County, Tennessee</b>
<b>Census Tract 409, Tipton County, Tennessee</b>
<b>Census Tract 410, Tipton County, Tennessee</b>
<b>Census Tract 417, Sullivan County, Tennessee</b>
<b>Census Tract 420, Sullivan County, Tennessee</b>
<b>Census Tract 430, Sullivan County, Tennessee</b>
<b>Census Tract 434.02, Sullivan County, Tennessee</b>
<b>Census Tract 5001, Grainger County, Tennessee</b>
<b>Census Tract 5002, Grainger County, Tennessee</b>
<b>Census Tract 5003, Grainger County, Tennessee</b>
<b>Census Tract 501, Lauderdale County, Tennessee</b>
<b>Census Tract 501.02, Marion County, Tennessee</b>
<b>Census Tract 502, Hawkins County, Tennessee</b>
<b>Census Tract 502, Lauderdale County, Tennessee</b>
<b>Census Tract 503, Lauderdale County, Tennessee</b>
<b>Census Tract 504, Lauderdale County, Tennessee</b>
<b>Census Tract 505.01, Hawkins County, Tennessee</b>
<b>Census Tract 505.02, Hawkins County, Tennessee</b>
<b>Census Tract 507, Hawkins County, Tennessee</b>
<b>Census Tract 508, Hawkins County, Tennessee</b>

<b>Census Tract 509, Hawkins County, Tennessee</b>
<b>Census Tract 53.02, Knox County, Tennessee</b>
<b>Census Tract 601.02, Sequatchie County, Tennessee</b>
<b>Census Tract 602, Sequatchie County, Tennessee</b>
<b>Census Tract 602.01, Loudon County, Tennessee</b>
<b>Census Tract 603, Dickson County, Tennessee</b>
<b>Census Tract 605.01, Fayette County, Tennessee</b>
<b>Census Tract 605.02, Loudon County, Tennessee</b>
<b>Census Tract 606.01, Dickson County, Tennessee</b>
<b>Census Tract 606.02, Dickson County, Tennessee</b>
<b>Census Tract 607, Dickson County, Tennessee</b>
<b>Census Tract 607, Loudon County, Tennessee</b>
<b>Census Tract 608, Fayette County, Tennessee</b>
<b>Census Tract 65.02, Knox County, Tennessee</b>
<b>Census Tract 702, Jefferson County, Tennessee</b>
<b>Census Tract 704, Carter County, Tennessee</b>
<b>Census Tract 704, Jefferson County, Tennessee</b>
<b>Census Tract 705, Jefferson County, Tennessee</b>
<b>Census Tract 708, Jefferson County, Tennessee</b>
<b>Census Tract 709, Jefferson County, Tennessee</b>
<b>Census Tract 712, Carter County, Tennessee</b>
<b>Census Tract 714, Carter County, Tennessee</b>
<b>Census Tract 715, Carter County, Tennessee</b>

<b>Census Tract 716, Carter County, Tennessee</b>
<b>Census Tract 801, Unicoi County, Tennessee</b>
<b>Census Tract 801.02, Sevier County, Tennessee</b>
<b>Census Tract 801.04, Robertson County, Tennessee</b>
<b>Census Tract 802, Unicoi County, Tennessee</b>
<b>Census Tract 802.02, Sevier County, Tennessee</b>
<b>Census Tract 803.01, Robertson County, Tennessee</b>
<b>Census Tract 806.01, Sevier County, Tennessee</b>
<b>Census Tract 806.02, Sevier County, Tennessee</b>
<b>Census Tract 809.02, Sevier County, Tennessee</b>
<b>Census Tract 901, Greene County, Tennessee</b>
<b>Census Tract 907, Greene County, Tennessee</b>
<b>Census Tract 908, Greene County, Tennessee</b>
<b>Census Tract 913, Greene County, Tennessee</b>
<b>Census Tract 914, Greene County, Tennessee</b>
<b>Census Tract 915, Greene County, Tennessee</b>
<b>Census Tract 9201, Cocke County, Tennessee</b>
<b>Census Tract 9201, Giles County, Tennessee</b>
<b>Census Tract 9201, Hardin County, Tennessee</b>
<b>Census Tract 9201.02, DeKalb County, Tennessee</b>
<b>Census Tract 9202, Cocke County, Tennessee</b>
<b>Census Tract 9202, Hardin County, Tennessee</b>
<b>Census Tract 9203, Giles County, Tennessee</b>

<b>Census Tract 9204, Hardin County, Tennessee</b>
<b>Census Tract 9205, Giles County, Tennessee</b>
<b>Census Tract 9205, Hardin County, Tennessee</b>
<b>Census Tract 9205.01, Cocke County, Tennessee</b>
<b>Census Tract 9206, Giles County, Tennessee</b>
<b>Census Tract 9207, Cocke County, Tennessee</b>
<b>Census Tract 9208, Giles County, Tennessee</b>
<b>Census Tract 9252, Monroe County, Tennessee</b>
<b>Census Tract 9252, Van Buren County, Tennessee</b>
<b>Census Tract 9253, Monroe County, Tennessee</b>
<b>Census Tract 9255.01, Monroe County, Tennessee</b>
<b>Census Tract 9301, Haywood County, Tennessee</b>
<b>Census Tract 9301, McNairy County, Tennessee</b>
<b>Census Tract 9301, Warren County, Tennessee</b>
<b>Census Tract 9302, Haywood County, Tennessee</b>
<b>Census Tract 9302, Perry County, Tennessee</b>
<b>Census Tract 9302, Warren County, Tennessee</b>
<b>Census Tract 9303, McNairy County, Tennessee</b>
<b>Census Tract 9303, Warren County, Tennessee</b>
<b>Census Tract 9303.02, Haywood County, Tennessee</b>
<b>Census Tract 9304, Haywood County, Tennessee</b>
<b>Census Tract 9304, McNairy County, Tennessee</b>
<b>Census Tract 9305, Haywood County, Tennessee</b>

<b>Census Tract 9305, Warren County, Tennessee</b>
<b>Census Tract 9306, McNairy County, Tennessee</b>
<b>Census Tract 9306, Warren County, Tennessee</b>
<b>Census Tract 9307, McNairy County, Tennessee</b>
<b>Census Tract 9309, Warren County, Tennessee</b>
<b>Census Tract 9350, White County, Tennessee</b>
<b>Census Tract 9351, White County, Tennessee</b>
<b>Census Tract 9353, White County, Tennessee</b>
<b>Census Tract 9354, White County, Tennessee</b>
<b>Census Tract 9355, White County, Tennessee</b>
<b>Census Tract 9501, Hickman County, Tennessee</b>
<b>Census Tract 9501, Overton County, Tennessee</b>
<b>Census Tract 9501, Polk County, Tennessee</b>
<b>Census Tract 9502, Campbell County, Tennessee</b>
<b>Census Tract 9502, Hardeman County, Tennessee</b>
<b>Census Tract 9502, Hickman County, Tennessee</b>
<b>Census Tract 9502, Wayne County, Tennessee</b>
<b>Census Tract 9502.01, Polk County, Tennessee</b>
<b>Census Tract 9502.02, Polk County, Tennessee</b>
<b>Census Tract 9503, Bedford County, Tennessee</b>
<b>Census Tract 9503, Hardeman County, Tennessee</b>
<b>Census Tract 9503, Polk County, Tennessee</b>
<b>Census Tract 9503.01, Hickman County, Tennessee</b>

<b>Census Tract 9504, Campbell County, Tennessee</b>
<b>Census Tract 9504, Hickman County, Tennessee</b>
<b>Census Tract 9504, Overton County, Tennessee</b>
<b>Census Tract 9504, Wayne County, Tennessee</b>
<b>Census Tract 9504.02, Bedford County, Tennessee</b>
<b>Census Tract 9505, Campbell County, Tennessee</b>
<b>Census Tract 9505, Hardeman County, Tennessee</b>
<b>Census Tract 9505, Hickman County, Tennessee</b>
<b>Census Tract 9505, Overton County, Tennessee</b>
<b>Census Tract 9506, Hardeman County, Tennessee</b>
<b>Census Tract 9506, Overton County, Tennessee</b>
<b>Census Tract 9507, Campbell County, Tennessee</b>
<b>Census Tract 9509, Campbell County, Tennessee</b>
<b>Census Tract 9510, Campbell County, Tennessee</b>
<b>Census Tract 9511, Campbell County, Tennessee</b>
<b>Census Tract 9530, Bledsoe County, Tennessee</b>
<b>Census Tract 9550, Clay County, Tennessee</b>
<b>Census Tract 9550, Grundy County, Tennessee</b>
<b>Census Tract 9551, Clay County, Tennessee</b>
<b>Census Tract 9551, Grundy County, Tennessee</b>
<b>Census Tract 9551, Marshall County, Tennessee</b>
<b>Census Tract 9551.01, Decatur County, Tennessee</b>
<b>Census Tract 9551.02, Decatur County, Tennessee</b>

<b>Census Tract 9552, Grundy County, Tennessee</b>
<b>Census Tract 9555, Marshall County, Tennessee</b>
<b>Census Tract 9560, Johnson County, Tennessee</b>
<b>Census Tract 9561, Johnson County, Tennessee</b>
<b>Census Tract 9563, Johnson County, Tennessee</b>
<b>Census Tract 9564, Johnson County, Tennessee</b>
<b>Census Tract 9601, Franklin County, Tennessee</b>
<b>Census Tract 9601, Jackson County, Tennessee</b>
<b>Census Tract 9601, Lake County, Tennessee</b>
<b>Census Tract 9601, Lawrence County, Tennessee</b>
<b>Census Tract 9601, Meigs County, Tennessee</b>
<b>Census Tract 9602, Jackson County, Tennessee</b>
<b>Census Tract 9602, Lake County, Tennessee</b>
<b>Census Tract 9602, Meigs County, Tennessee</b>
<b>Census Tract 9603, Lawrence County, Tennessee</b>
<b>Census Tract 9604, Jackson County, Tennessee</b>
<b>Census Tract 9604.02, Lawrence County, Tennessee</b>
<b>Census Tract 9605, Hancock County, Tennessee</b>
<b>Census Tract 9605.02, Lawrence County, Tennessee</b>
<b>Census Tract 9606, Hancock County, Tennessee</b>
<b>Census Tract 9606, Lawrence County, Tennessee</b>
<b>Census Tract 9608, Lawrence County, Tennessee</b>
<b>Census Tract 9610, Crockett County, Tennessee</b>

<b>Census Tract 9611, Crockett County, Tennessee</b>
<b>Census Tract 9613, Crockett County, Tennessee</b>
<b>Census Tract 9620, Carroll County, Tennessee</b>
<b>Census Tract 9622.01, Carroll County, Tennessee</b>
<b>Census Tract 9623, Carroll County, Tennessee</b>
<b>Census Tract 9632, Benton County, Tennessee</b>
<b>Census Tract 9643, Dyer County, Tennessee</b>
<b>Census Tract 9645, Dyer County, Tennessee</b>
<b>Census Tract 9650, Obion County, Tennessee</b>
<b>Census Tract 9652, Fentress County, Tennessee</b>
<b>Census Tract 9652, Obion County, Tennessee</b>
<b>Census Tract 9654, Obion County, Tennessee</b>
<b>Census Tract 9659, Obion County, Tennessee</b>
<b>Census Tract 9661, Gibson County, Tennessee</b>
<b>Census Tract 9662, Gibson County, Tennessee</b>
<b>Census Tract 9663, Gibson County, Tennessee</b>
<b>Census Tract 9666, Gibson County, Tennessee</b>
<b>Census Tract 9686, Weakley County, Tennessee</b>
<b>Census Tract 9687, Weakley County, Tennessee</b>
<b>Census Tract 9691, Henry County, Tennessee</b>
<b>Census Tract 9701, Claiborne County, Tennessee</b>
<b>Census Tract 9701, Coffee County, Tennessee</b>
<b>Census Tract 9701, Macon County, Tennessee</b>



<b>Census Tract 9701.01, McMinn County, Tennessee</b>
<b>Census Tract 9703, Chester County, Tennessee</b>
<b>Census Tract 9703, Coffee County, Tennessee</b>
<b>Census Tract 9703.01, Cumberland County, Tennessee</b>
<b>Census Tract 9703.02, Cumberland County, Tennessee</b>
<b>Census Tract 9704, Claiborne County, Tennessee</b>
<b>Census Tract 9704, Macon County, Tennessee</b>
<b>Census Tract 9705, Claiborne County, Tennessee</b>
<b>Census Tract 9705, McMinn County, Tennessee</b>
<b>Census Tract 9706, Claiborne County, Tennessee</b>
<b>Census Tract 9706, Coffee County, Tennessee</b>
<b>Census Tract 9706.03, Cumberland County, Tennessee</b>
<b>Census Tract 9707.01, Cumberland County, Tennessee</b>
<b>Census Tract 9708, Claiborne County, Tennessee</b>
<b>Census Tract 9708, Cumberland County, Tennessee</b>
<b>Census Tract 9750, Henderson County, Tennessee</b>
<b>Census Tract 9750, Lincoln County, Tennessee</b>
<b>Census Tract 9750, Rhea County, Tennessee</b>
<b>Census Tract 9750, Scott County, Tennessee</b>
<b>Census Tract 9751, Henderson County, Tennessee</b>
<b>Census Tract 9751, Lincoln County, Tennessee</b>
<b>Census Tract 9751, Rhea County, Tennessee</b>
<b>Census Tract 9751, Scott County, Tennessee</b>

Census Tract 9752, Rhea County, Tennessee
Census Tract 9753, Rhea County, Tennessee
Census Tract 9753, Smith County, Tennessee
Census Tract 9754, Scott County, Tennessee
Census Tract 9754, Smith County, Tennessee
Census Tract 9755, Henderson County, Tennessee
Census Tract 9755, Lincoln County, Tennessee
Census Tract 9757, Lincoln County, Tennessee
Census Tract 9801, Blount County, Tennessee

**Table 7. Rural Census Tracts with Fire No Deaths, 2008 thru 2013, Screened for Percent Population 25 years or older with Bachelor's degree & Median Household Income (N=194) (2nd Tier Risk of Fire Deaths-- subset of 3<sup>rd</sup> Tier Risk)**

**UrbanorRural = 2 & FireDeathorNot = 0 & DP02\_HC03\_VC90 <= 9.36 & DP03\_HC01\_VC85 <= 40619**

Census Tract 1, Putnam County, Tennessee
Census Tract 1008, Hamblen County, Tennessee
Census Tract 101, Maury County, Tennessee
Census Tract 108.02, Maury County, Tennessee
Census Tract 109, Bradley County, Tennessee
Census Tract 109.02, Hamilton County, Tennessee

<b>Census Tract 110.02, Maury County, Tennessee</b>
<b>Census Tract 1101, Morgan County, Tennessee</b>
<b>Census Tract 1102, Morgan County, Tennessee</b>
<b>Census Tract 1103, Morgan County, Tennessee</b>
<b>Census Tract 1106, Stewart County, Tennessee</b>
<b>Census Tract 112, Blount County, Tennessee</b>
<b>Census Tract 115.01, Blount County, Tennessee</b>
<b>Census Tract 115.02, Blount County, Tennessee</b>
<b>Census Tract 116.02, Bradley County, Tennessee</b>
<b>Census Tract 1201, Houston County, Tennessee</b>
<b>Census Tract 1203, Houston County, Tennessee</b>
<b>Census Tract 1303, Humphreys County, Tennessee</b>
<b>Census Tract 14.01, Madison County, Tennessee</b>
<b>Census Tract 201.01, Shelby County, Tennessee</b>
<b>Census Tract 201.02, Sumner County, Tennessee</b>
<b>Census Tract 207, Anderson County, Tennessee</b>
<b>Census Tract 208, Anderson County, Tennessee</b>
<b>Census Tract 210, Anderson County, Tennessee</b>
<b>Census Tract 3.03, Putnam County, Tennessee</b>
<b>Census Tract 307, Roane County, Tennessee</b>
<b>Census Tract 402.01, Union County, Tennessee</b>
<b>Census Tract 402.02, Union County, Tennessee</b>
<b>Census Tract 409, Tipton County, Tennessee</b>

<b>Census Tract 410, Tipton County, Tennessee</b>
<b>Census Tract 417, Sullivan County, Tennessee</b>
<b>Census Tract 430, Sullivan County, Tennessee</b>
<b>Census Tract 434.02, Sullivan County, Tennessee</b>
<b>Census Tract 5001, Grainger County, Tennessee</b>
<b>Census Tract 5002, Grainger County, Tennessee</b>
<b>Census Tract 5003, Grainger County, Tennessee</b>
<b>Census Tract 501, Lauderdale County, Tennessee</b>
<b>Census Tract 501.02, Marion County, Tennessee</b>
<b>Census Tract 502, Hawkins County, Tennessee</b>
<b>Census Tract 503, Lauderdale County, Tennessee</b>
<b>Census Tract 504, Lauderdale County, Tennessee</b>
<b>Census Tract 505.01, Hawkins County, Tennessee</b>
<b>Census Tract 507, Hawkins County, Tennessee</b>
<b>Census Tract 508, Hawkins County, Tennessee</b>
<b>Census Tract 509, Hawkins County, Tennessee</b>
<b>Census Tract 601.02, Sequatchie County, Tennessee</b>
<b>Census Tract 602, Sequatchie County, Tennessee</b>
<b>Census Tract 606.01, Dickson County, Tennessee</b>
<b>Census Tract 606.02, Dickson County, Tennessee</b>
<b>Census Tract 607, Loudon County, Tennessee</b>
<b>Census Tract 65.02, Knox County, Tennessee</b>
<b>Census Tract 704, Carter County, Tennessee</b>

<b>Census Tract 704, Jefferson County, Tennessee</b>
<b>Census Tract 708, Jefferson County, Tennessee</b>
<b>Census Tract 712, Carter County, Tennessee</b>
<b>Census Tract 714, Carter County, Tennessee</b>
<b>Census Tract 715, Carter County, Tennessee</b>
<b>Census Tract 716, Carter County, Tennessee</b>
<b>Census Tract 801, Unicoi County, Tennessee</b>
<b>Census Tract 802, Unicoi County, Tennessee</b>
<b>Census Tract 803.01, Robertson County, Tennessee</b>
<b>Census Tract 806.01, Sevier County, Tennessee</b>
<b>Census Tract 809.02, Sevier County, Tennessee</b>
<b>Census Tract 901, Greene County, Tennessee</b>
<b>Census Tract 907, Greene County, Tennessee</b>
<b>Census Tract 908, Greene County, Tennessee</b>
<b>Census Tract 913, Greene County, Tennessee</b>
<b>Census Tract 914, Greene County, Tennessee</b>
<b>Census Tract 915, Greene County, Tennessee</b>
<b>Census Tract 9201, Cocke County, Tennessee</b>
<b>Census Tract 9201, Hardin County, Tennessee</b>
<b>Census Tract 9202, Cocke County, Tennessee</b>
<b>Census Tract 9202, Hardin County, Tennessee</b>
<b>Census Tract 9203, Giles County, Tennessee</b>
<b>Census Tract 9204, Hardin County, Tennessee</b>

<b>Census Tract 9205, Giles County, Tennessee</b>
<b>Census Tract 9205, Hardin County, Tennessee</b>
<b>Census Tract 9205.01, Cocke County, Tennessee</b>
<b>Census Tract 9206, Giles County, Tennessee</b>
<b>Census Tract 9207, Cocke County, Tennessee</b>
<b>Census Tract 9208, Giles County, Tennessee</b>
<b>Census Tract 9252, Monroe County, Tennessee</b>
<b>Census Tract 9252, Van Buren County, Tennessee</b>
<b>Census Tract 9253, Monroe County, Tennessee</b>
<b>Census Tract 9255.01, Monroe County, Tennessee</b>
<b>Census Tract 9301, Haywood County, Tennessee</b>
<b>Census Tract 9301, McNairy County, Tennessee</b>
<b>Census Tract 9301, Warren County, Tennessee</b>
<b>Census Tract 9302, Haywood County, Tennessee</b>
<b>Census Tract 9302, Perry County, Tennessee</b>
<b>Census Tract 9302, Warren County, Tennessee</b>
<b>Census Tract 9303, McNairy County, Tennessee</b>
<b>Census Tract 9303.02, Haywood County, Tennessee</b>
<b>Census Tract 9304, Haywood County, Tennessee</b>
<b>Census Tract 9304, McNairy County, Tennessee</b>
<b>Census Tract 9305, Haywood County, Tennessee</b>
<b>Census Tract 9305, Warren County, Tennessee</b>
<b>Census Tract 9306, McNairy County, Tennessee</b>

<b>Census Tract 9306, Warren County, Tennessee</b>
<b>Census Tract 9307, McNairy County, Tennessee</b>
<b>Census Tract 9309, Warren County, Tennessee</b>
<b>Census Tract 9351, White County, Tennessee</b>
<b>Census Tract 9353, White County, Tennessee</b>
<b>Census Tract 9354, White County, Tennessee</b>
<b>Census Tract 9355, White County, Tennessee</b>
<b>Census Tract 9501, Overton County, Tennessee</b>
<b>Census Tract 9501, Polk County, Tennessee</b>
<b>Census Tract 9502, Campbell County, Tennessee</b>
<b>Census Tract 9502, Hardeman County, Tennessee</b>
<b>Census Tract 9502, Hickman County, Tennessee</b>
<b>Census Tract 9502, Wayne County, Tennessee</b>
<b>Census Tract 9502.02, Polk County, Tennessee</b>
<b>Census Tract 9503, Bedford County, Tennessee</b>
<b>Census Tract 9503, Hardeman County, Tennessee</b>
<b>Census Tract 9503, Polk County, Tennessee</b>
<b>Census Tract 9503.01, Hickman County, Tennessee</b>
<b>Census Tract 9504, Campbell County, Tennessee</b>
<b>Census Tract 9504, Overton County, Tennessee</b>
<b>Census Tract 9504, Wayne County, Tennessee</b>
<b>Census Tract 9504.02, Bedford County, Tennessee</b>
<b>Census Tract 9505, Campbell County, Tennessee</b>

<b>Census Tract 9505, Hardeman County, Tennessee</b>
<b>Census Tract 9505, Overton County, Tennessee</b>
<b>Census Tract 9506, Hardeman County, Tennessee</b>
<b>Census Tract 9506, Overton County, Tennessee</b>
<b>Census Tract 9507, Campbell County, Tennessee</b>
<b>Census Tract 9509, Campbell County, Tennessee</b>
<b>Census Tract 9510, Campbell County, Tennessee</b>
<b>Census Tract 9511, Campbell County, Tennessee</b>
<b>Census Tract 9530, Bledsoe County, Tennessee</b>
<b>Census Tract 9550, Clay County, Tennessee</b>
<b>Census Tract 9550, Grundy County, Tennessee</b>
<b>Census Tract 9551, Clay County, Tennessee</b>
<b>Census Tract 9551, Grundy County, Tennessee</b>
<b>Census Tract 9551.01, Decatur County, Tennessee</b>
<b>Census Tract 9551.02, Decatur County, Tennessee</b>
<b>Census Tract 9552, Grundy County, Tennessee</b>
<b>Census Tract 9560, Johnson County, Tennessee</b>
<b>Census Tract 9561, Johnson County, Tennessee</b>
<b>Census Tract 9563, Johnson County, Tennessee</b>
<b>Census Tract 9564, Johnson County, Tennessee</b>
<b>Census Tract 9601, Franklin County, Tennessee</b>
<b>Census Tract 9601, Jackson County, Tennessee</b>
<b>Census Tract 9601, Lake County, Tennessee</b>



<b>Census Tract 9601, Meigs County, Tennessee</b>
<b>Census Tract 9602, Jackson County, Tennessee</b>
<b>Census Tract 9602, Lake County, Tennessee</b>
<b>Census Tract 9602, Meigs County, Tennessee</b>
<b>Census Tract 9603, Lawrence County, Tennessee</b>
<b>Census Tract 9604, Jackson County, Tennessee</b>
<b>Census Tract 9604.02, Lawrence County, Tennessee</b>
<b>Census Tract 9605, Hancock County, Tennessee</b>
<b>Census Tract 9605.02, Lawrence County, Tennessee</b>
<b>Census Tract 9606, Hancock County, Tennessee</b>
<b>Census Tract 9606, Lawrence County, Tennessee</b>
<b>Census Tract 9611, Crockett County, Tennessee</b>
<b>Census Tract 9613, Crockett County, Tennessee</b>
<b>Census Tract 9620, Carroll County, Tennessee</b>
<b>Census Tract 9622.01, Carroll County, Tennessee</b>
<b>Census Tract 9623, Carroll County, Tennessee</b>
<b>Census Tract 9632, Benton County, Tennessee</b>
<b>Census Tract 9643, Dyer County, Tennessee</b>
<b>Census Tract 9650, Obion County, Tennessee</b>
<b>Census Tract 9652, Fentress County, Tennessee</b>
<b>Census Tract 9654, Obion County, Tennessee</b>
<b>Census Tract 9659, Obion County, Tennessee</b>
<b>Census Tract 9661, Gibson County, Tennessee</b>

<b>Census Tract 9663, Gibson County, Tennessee</b>
<b>Census Tract 9686, Weakley County, Tennessee</b>
<b>Census Tract 9687, Weakley County, Tennessee</b>
<b>Census Tract 9701, Claiborne County, Tennessee</b>
<b>Census Tract 9701, Coffee County, Tennessee</b>
<b>Census Tract 9701, Macon County, Tennessee</b>
<b>Census Tract 9703.01, Cumberland County, Tennessee</b>
<b>Census Tract 9703.02, Cumberland County, Tennessee</b>
<b>Census Tract 9704, Claiborne County, Tennessee</b>
<b>Census Tract 9704, Macon County, Tennessee</b>
<b>Census Tract 9705, Claiborne County, Tennessee</b>
<b>Census Tract 9705, McMinn County, Tennessee</b>
<b>Census Tract 9706, Claiborne County, Tennessee</b>
<b>Census Tract 9706, Coffee County, Tennessee</b>
<b>Census Tract 9707.01, Cumberland County, Tennessee</b>
<b>Census Tract 9708, Claiborne County, Tennessee</b>
<b>Census Tract 9708, Cumberland County, Tennessee</b>
<b>Census Tract 9750, Henderson County, Tennessee</b>
<b>Census Tract 9750, Rhea County, Tennessee</b>
<b>Census Tract 9750, Scott County, Tennessee</b>
<b>Census Tract 9751, Henderson County, Tennessee</b>
<b>Census Tract 9751, Rhea County, Tennessee</b>
<b>Census Tract 9751, Scott County, Tennessee</b>

Census Tract 9753, Rhea County, Tennessee
Census Tract 9754, Scott County, Tennessee
Census Tract 9755, Henderson County, Tennessee
Census Tract 9755, Lincoln County, Tennessee

**Table 8. Rural Census Tracts with Fire No Deaths, 2008 thru 2013, Screened for Percent Population 25 years or older with Bachelor's degree, Median Household Income, & Median Value of Owner-Occupied Units (N= 170)**  
**(1<sup>st</sup> Tier Risk of Fire Deaths-- subset of 2<sup>nd</sup> Tier Risk)**

UrbanorRural = 2 & FireDeathorNot = 0 & DP02\_HC03\_VC90 <= 9.36 &  
 DP03\_HC01\_VC85 <= 40619 & DP04\_HC01\_VC125 <= 115853

Census Tract 1, Putnam County, Tennessee
Census Tract 1008, Hamblen County, Tennessee
Census Tract 101, Maury County, Tennessee
Census Tract 109, Bradley County, Tennessee
Census Tract 109.02, Hamilton County, Tennessee
Census Tract 110.02, Maury County, Tennessee
Census Tract 1101, Morgan County, Tennessee
Census Tract 1102, Morgan County, Tennessee
Census Tract 1103, Morgan County, Tennessee
Census Tract 1106, Stewart County, Tennessee
Census Tract 116.02, Bradley County, Tennessee

<b>Census Tract 1201, Houston County, Tennessee</b>
<b>Census Tract 1203, Houston County, Tennessee</b>
<b>Census Tract 1303, Humphreys County, Tennessee</b>
<b>Census Tract 14.01, Madison County, Tennessee</b>
<b>Census Tract 201.01, Shelby County, Tennessee</b>
<b>Census Tract 201.02, Sumner County, Tennessee</b>
<b>Census Tract 207, Anderson County, Tennessee</b>
<b>Census Tract 208, Anderson County, Tennessee</b>
<b>Census Tract 210, Anderson County, Tennessee</b>
<b>Census Tract 3.03, Putnam County, Tennessee</b>
<b>Census Tract 307, Roane County, Tennessee</b>
<b>Census Tract 402.01, Union County, Tennessee</b>
<b>Census Tract 402.02, Union County, Tennessee</b>
<b>Census Tract 410, Tipton County, Tennessee</b>
<b>Census Tract 417, Sullivan County, Tennessee</b>
<b>Census Tract 430, Sullivan County, Tennessee</b>
<b>Census Tract 434.02, Sullivan County, Tennessee</b>
<b>Census Tract 5001, Grainger County, Tennessee</b>
<b>Census Tract 5002, Grainger County, Tennessee</b>
<b>Census Tract 5003, Grainger County, Tennessee</b>

<b>Census Tract 501, Lauderdale County, Tennessee</b>
<b>Census Tract 501.02, Marion County, Tennessee</b>
<b>Census Tract 502, Hawkins County, Tennessee</b>
<b>Census Tract 503, Lauderdale County, Tennessee</b>
<b>Census Tract 504, Lauderdale County, Tennessee</b>
<b>Census Tract 505.01, Hawkins County, Tennessee</b>
<b>Census Tract 507, Hawkins County, Tennessee</b>
<b>Census Tract 508, Hawkins County, Tennessee</b>
<b>Census Tract 509, Hawkins County, Tennessee</b>
<b>Census Tract 607, Loudon County, Tennessee</b>
<b>Census Tract 65.02, Knox County, Tennessee</b>
<b>Census Tract 704, Carter County, Tennessee</b>
<b>Census Tract 704, Jefferson County, Tennessee</b>
<b>Census Tract 708, Jefferson County, Tennessee</b>
<b>Census Tract 712, Carter County, Tennessee</b>
<b>Census Tract 714, Carter County, Tennessee</b>
<b>Census Tract 715, Carter County, Tennessee</b>
<b>Census Tract 716, Carter County, Tennessee</b>
<b>Census Tract 802, Unicoi County, Tennessee</b>
<b>Census Tract 901, Greene County, Tennessee</b>

<b>Census Tract 907, Greene County, Tennessee</b>
<b>Census Tract 908, Greene County, Tennessee</b>
<b>Census Tract 913, Greene County, Tennessee</b>
<b>Census Tract 914, Greene County, Tennessee</b>
<b>Census Tract 915, Greene County, Tennessee</b>
<b>Census Tract 9201, Cocke County, Tennessee</b>
<b>Census Tract 9202, Cocke County, Tennessee</b>
<b>Census Tract 9202, Hardin County, Tennessee</b>
<b>Census Tract 9203, Giles County, Tennessee</b>
<b>Census Tract 9204, Hardin County, Tennessee</b>
<b>Census Tract 9205, Giles County, Tennessee</b>
<b>Census Tract 9205, Hardin County, Tennessee</b>
<b>Census Tract 9205.01, Cocke County, Tennessee</b>
<b>Census Tract 9206, Giles County, Tennessee</b>
<b>Census Tract 9207, Cocke County, Tennessee</b>
<b>Census Tract 9208, Giles County, Tennessee</b>
<b>Census Tract 9252, Monroe County, Tennessee</b>
<b>Census Tract 9252, Van Buren County, Tennessee</b>
<b>Census Tract 9253, Monroe County, Tennessee</b>
<b>Census Tract 9255.01, Monroe County, Tennessee</b>

<b>Census Tract 9301, Haywood County, Tennessee</b>
<b>Census Tract 9301, McNairy County, Tennessee</b>
<b>Census Tract 9301, Warren County, Tennessee</b>
<b>Census Tract 9302, Haywood County, Tennessee</b>
<b>Census Tract 9302, Perry County, Tennessee</b>
<b>Census Tract 9302, Warren County, Tennessee</b>
<b>Census Tract 9303, McNairy County, Tennessee</b>
<b>Census Tract 9303.02, Haywood County, Tennessee</b>
<b>Census Tract 9304, Haywood County, Tennessee</b>
<b>Census Tract 9304, McNairy County, Tennessee</b>
<b>Census Tract 9305, Haywood County, Tennessee</b>
<b>Census Tract 9305, Warren County, Tennessee</b>
<b>Census Tract 9306, McNairy County, Tennessee</b>
<b>Census Tract 9306, Warren County, Tennessee</b>
<b>Census Tract 9307, McNairy County, Tennessee</b>
<b>Census Tract 9309, Warren County, Tennessee</b>
<b>Census Tract 9351, White County, Tennessee</b>
<b>Census Tract 9353, White County, Tennessee</b>
<b>Census Tract 9354, White County, Tennessee</b>
<b>Census Tract 9355, White County, Tennessee</b>

<b>Census Tract 9501, Overton County, Tennessee</b>
<b>Census Tract 9501, Polk County, Tennessee</b>
<b>Census Tract 9502, Campbell County, Tennessee</b>
<b>Census Tract 9502, Hardeman County, Tennessee</b>
<b>Census Tract 9502, Hickman County, Tennessee</b>
<b>Census Tract 9502, Wayne County, Tennessee</b>
<b>Census Tract 9502.02, Polk County, Tennessee</b>
<b>Census Tract 9503, Hardeman County, Tennessee</b>
<b>Census Tract 9503, Polk County, Tennessee</b>
<b>Census Tract 9503.01, Hickman County, Tennessee</b>
<b>Census Tract 9504, Campbell County, Tennessee</b>
<b>Census Tract 9504, Overton County, Tennessee</b>
<b>Census Tract 9504, Wayne County, Tennessee</b>
<b>Census Tract 9504.02, Bedford County, Tennessee</b>
<b>Census Tract 9505, Hardeman County, Tennessee</b>
<b>Census Tract 9505, Overton County, Tennessee</b>
<b>Census Tract 9506, Hardeman County, Tennessee</b>
<b>Census Tract 9506, Overton County, Tennessee</b>
<b>Census Tract 9509, Campbell County, Tennessee</b>
<b>Census Tract 9510, Campbell County, Tennessee</b>









<b>Census Tract 9530, Bledsoe County, Tennessee</b>
<b>Census Tract 9550, Clay County, Tennessee</b>
<b>Census Tract 9550, Grundy County, Tennessee</b>
<b>Census Tract 9551, Clay County, Tennessee</b>
<b>Census Tract 9551, Grundy County, Tennessee</b>
<b>Census Tract 9551.01, Decatur County, Tennessee</b>
<b>Census Tract 9551.02, Decatur County, Tennessee</b>
<b>Census Tract 9552, Grundy County, Tennessee</b>
<b>Census Tract 9560, Johnson County, Tennessee</b>
<b>Census Tract 9561, Johnson County, Tennessee</b>
<b>Census Tract 9564, Johnson County, Tennessee</b>
<b>Census Tract 9601, Franklin County, Tennessee</b>
<b>Census Tract 9601, Jackson County, Tennessee</b>
<b>Census Tract 9601, Lake County, Tennessee</b>
<b>Census Tract 9601, Meigs County, Tennessee</b>
<b>Census Tract 9602, Jackson County, Tennessee</b>
<b>Census Tract 9602, Lake County, Tennessee</b>
<b>Census Tract 9602, Meigs County, Tennessee</b>
<b>Census Tract 9603, Lawrence County, Tennessee</b>
<b>Census Tract 9604, Jackson County, Tennessee</b>





<b>Census Tract 9604.02, Lawrence County, Tennessee</b>
<b>Census Tract 9605, Hancock County, Tennessee</b>
<b>Census Tract 9605.02, Lawrence County, Tennessee</b>
<b>Census Tract 9606, Hancock County, Tennessee</b>
<b>Census Tract 9606, Lawrence County, Tennessee</b>
<b>Census Tract 9611, Crockett County, Tennessee</b>
<b>Census Tract 9613, Crockett County, Tennessee</b>
<b>Census Tract 9620, Carroll County, Tennessee</b>
<b>Census Tract 9622.01, Carroll County, Tennessee</b>
<b>Census Tract 9623, Carroll County, Tennessee</b>
<b>Census Tract 9632, Benton County, Tennessee</b>
<b>Census Tract 9643, Dyer County, Tennessee</b>
<b>Census Tract 9650, Obion County, Tennessee</b>
<b>Census Tract 9652, Fentress County, Tennessee</b>
<b>Census Tract 9654, Obion County, Tennessee</b>
<b>Census Tract 9659, Obion County, Tennessee</b>
<b>Census Tract 9661, Gibson County, Tennessee</b>
<b>Census Tract 9663, Gibson County, Tennessee</b>
<b>Census Tract 9686, Weakley County, Tennessee</b>
<b>Census Tract 9687, Weakley County, Tennessee</b>






<b>Census Tract 9701, Claiborne County, Tennessee</b>
<b>Census Tract 9701, Coffee County, Tennessee</b>
<b>Census Tract 9701, Macon County, Tennessee</b>
<b>Census Tract 9703.01, Cumberland County, Tennessee</b>
<b>Census Tract 9704, Claiborne County, Tennessee</b>
<b>Census Tract 9704, Macon County, Tennessee</b>
<b>Census Tract 9705, Claiborne County, Tennessee</b>
<b>Census Tract 9705, McMinn County, Tennessee</b>
<b>Census Tract 9706, Claiborne County, Tennessee</b>
<b>Census Tract 9708, Claiborne County, Tennessee</b>
<b>Census Tract 9708, Cumberland County, Tennessee</b>
<b>Census Tract 9750, Henderson County, Tennessee</b>
<b>Census Tract 9750, Scott County, Tennessee</b>
<b>Census Tract 9751, Henderson County, Tennessee</b>
<b>Census Tract 9751, Scott County, Tennessee</b>
<b>Census Tract 9753, Rhea County, Tennessee</b>
<b>Census Tract 9754, Scott County, Tennessee</b>
<b>Census Tract 9755, Henderson County, Tennessee</b>
<b>Census Tract 9755, Lincoln County, Tennessee</b>





### Appendix A.






Statistically Significant Differences Between Means for Key Profile Variables in the U.S. American Community Survey (ACS) 5 yr. average ('08-'12) that Distinguish TN Census Tracts Without and With Fire Deaths during 2008 thru 2013 (sig. <.05)

H <sub>1</sub> Supported =  Not supported = 	Variable	All Census Tracts		Urban Census Tracts		Rural Census Tracts	
		without Fire Deaths	with Fire Deaths	without Fire Deaths	with Fire Deaths	without Fire Deaths	with Fire Deaths
	HC03_VC11; SOC7; Percent Female householders, no husband present in family	13.29	15.60	16.15	21.02	10.76	11.86
	HC03_VC15; SOC13; Percent Householders living alone, 65 years and over	9.45	10.21			9.15	10.66
	HC03_VC78; SOC 18; Percent population 3 years and over enrolled in school; Elementary school (grades 1-8)	42.38	44.00				
	HC03_VC85; SOC 21; Educational attainment; Percent population	6.18	7.90	5.34	6.99	6.92	8.54


	25 years and over; Less than 9th grade						
H <sub>1</sub> supp- orted or not	Variable	All Census Tracts		Urban Census Tracts		Rural Census Tracts	
		without Fire Deaths	with Fire Deaths	without Fire Deaths	with Fire Deaths	without Fire Deaths	with Fire Deaths
	HC03_VC87; SOC23; Educational attainment; Percent population 25 years and over; High school graduate (includes equivalency)	32.19	37.22	27.37	32.93	36.49	40.32
	HC03_VC90; SOC25; Educational attainment; Percent population 25 years and over; Bachelor's degree	15.59	10.94	18.56	13.20	12.93	9.36
	HC03_VC91; SOC27; Educational attainment; Percent population 25 years and over; Graduate or professional degree	8.76	5.98	10.91	7.26	6.85	5.08
	HC03_VC93; SOC28; Educational attainment; Percent population 25 years and over; high school	83.83	79.98	85.02	80.42	82.76	79.66






	graduate or higher						
H <sub>1</sub> supp- orted or not	Variable	All Census Tracts		Urban Census Tracts		Rural Census Tracts	
		without Fire Deaths	with Fire Deaths	without Fire Deaths	with Fire Deaths	without Fire Deaths	with Fire Deaths
	HC03_VC94; SOC29; Educational attainment; Population 25 years and over; Percent bachelor's degree or higher	24.36	16.92	29.47	20.46	19.78	14.43
	HC03_VC18; Demo 11 Percent total population between 75 to 84 years	4.25	4.65			4.43	4.94
	HC03_VC19; Percent population 85 years and over					1.47	1.64
	HC03_VC05; ECON 3; Employment status; Percent population 16 years and over in Civilian labor force	61.48	59.81			59.92	58.23
	HC03_VC08; ECON 5; Employment status; Percent population 16 years and over in civilian	6.00	7.13	6.56	8.11	5.50	6.44




	labor force that are Unemployed						
	DP03_HC03_VC128 Percent population <u>with</u> HEALTH INSURANCE COVERAGE	86.07	84.01	84.72	81.64	87.27	85.66
<b>H<sub>1</sub></b> <b>supp- orted or not</b>	<b>Variable</b>	<b>All Census Tracts</b>		<b>Urban Census Tracts</b>		<b>Rural Census Tracts</b>	
		<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>
	HC01_VC85; ECON6; Income and benefits (in 2009 inflation-adjusted dollars); Total households; <u>Median</u> household income (dollars); Estimate	\$48,105	\$39,743	\$47,391	\$38,493	\$48,735	\$40,619
	HC01_VC86; ECON7; Income and benefits (in 2009 inflation-adjusted dollars); Total households; <u>Mean</u> household income (dollars); Estimate	\$61,484	51,884	\$61,692	\$51,826	\$61,300	\$51,924
	HC01_VC115; ECON8; Income and benefits (in 2009 inflation-adjusted dollars); Families; <u>Per capita</u> income (dollars); Estimate	\$24,614	\$20,797	\$25,467	\$20,977	\$23,853	\$20,672

	DP03_HC03_VC166 ; ECON 9; Percentage of families and people whose income in the past 12 months was below the poverty level	18.05	21.68	21.40	26.27	15.06	18.46
<b>H<sub>1</sub> supp- orted or not</b>	<b>Variable</b>	<b>All Census Tracts</b>		<b>Urban Census Tracts</b>		<b>Rural Census Tracts</b>	
		<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>
	DP03_HC03_VC167 ; ECON10; Percentage of families and people under 18 whose income in the past 12 months was below the poverty level	24.27	29.95	28.24	37.07	20.77	24.95
	HC03_VC05;HO5; Percent housing units vacant	11.95	13.74	11.72	13.77	12.15	13.73
	HC03_VC14; HO9; Percent units in structure; 1-unit, attached	3.33	2.25	5.24	3.80	1.65	1.17
	HC03_VC20; HO11; Units in structure; Mobile home; Percent	9.23	12.17	1.82	3.38	15.79	18.33



	HC03_VC27; HO15; Percent structures built 2000-2004	16.09	13.54	13.05	9.34	18.78	16.47
	HC03_VC28; HO17; Percent structures built 1990-1999	18.45	16.91	13.45	10.70	22.88	21.26
<b>H<sub>1</sub> supp- orted or not</b>	<b>Variable</b>	<b>All Census Tracts</b>		<b>Urban Census Tracts</b>		<b>Rural Census Tracts</b>	
		<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>
	HC03_VC29; HO19; Percent structures built 1980-1989	15.12	13.33	14.10	10.82		
	HC03_VC31; HO23; Percent structures built 1960-1969	11.38	12.86	13.67	15.76	9.35	10.82
	HC03_VC32; HO25; Percent structures built 1950-1959	9.31	11.32	12.93	16.26	6.11	7.85
	HC03_VC33; HO27; Percent structures built 1940-1949	5.05	6.31	6.54	8.40	3.73	4.84
	HC03_VC34; Percent structures built 1939 or earlier					6.11	7.02
	HC03_VC117; HO48; Percent Owner-occupied units; Less than \$50,000	10.88	15.24	8.30	13.73	13.14	16.30

	HC03_VC118; HO50; Percent Owner-occupied units; \$50,000 to \$99,999; Percent	23.61	30.33	24.68	33.43	22.68	28.16
	HC03_VC120; HO54; Value; Percent owner- occupied units; \$150,000 to \$199,999	16.31	13.82	16.28	13.14	16.34	14.29
<b>H<sub>1</sub> supp- orted or not</b>	<b>Variable</b>	<b>All Census Tracts</b>		<b>Urban Census Tracts</b>		<b>Rural Census Tracts</b>	
		<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>
	HC03_VC121; HO56; Value; Percent owner- occupied units; \$200,000 to \$299,999	14.19	10.91	13.30	9.62	14.98	11.81
	HC03_VC122; HO58; Value; Percent owner- occupied units; \$300,000 to \$499,999	8.52	5.71	8.35	5.27	8.66	6.02
	HC03_VC123; HO60; Value; Percent owner- occupied units; \$500,000 to \$999,999	3.33	2.91			2.96	1.87

	HC01_VC125; HO63; Value; Owner-occupied units; Median (dollars); Estimate	\$149,774	\$119,724	\$159,873	\$125,245	\$140,975	\$115,853
	HC03_VC131; HO64; Mortgage status; Owner- occupied units; Housing units without a mortgage; Percent	37.23	41.15	32.83	35.59	41.07	45.05
<b>H<sub>1</sub> supp- orted or not</b>	<b>Variable</b>	<b>All Census Tracts</b>		<b>Urban Census Tracts</b>		<b>Rural Census Tracts</b>	
		<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>	<b>without Fire Deaths</b>	<b>with Fire Deaths</b>
	HC01_VC185; HO65; Gross rent; Occupied units paying rent; Median (dollars); Estimate	763.68	688.10	\$824.58	\$763.31	\$710.21	\$635.37
	DP05_HC03_VC43; Percent population White			62.95	54.72		
	DP05_HC03_VC44; Percent population Black			30.37	39.34		
	DP04_HC03_VC91: Percent occupied homes heated by bottled, tank or LP			1.00	1.42		

	gas						
	HC03_VC64; Percent occupied units, renter- occupied					21.31	25.62