

# Driving to Opportunity: Local Wages, Commuting, and Sub-Metropolitan Quality of Life

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## **Abstract**

In an equilibrium model of residential and workplace choice, we develop a measure of quality of life, incorporating commuting costs and wages based on place of work, to account for residential sorting on unobserved skills within metropolitan areas. Quality-of-life measures estimated for 2071 areas in the United States reveal that quality of life varies as much within metropolitan areas as between them and is highest in denser areas. Households bear significant commuting costs to enjoy the amenities of suburban areas, and are willing to pay significant amounts to live in areas with low crime and well-funded schools.

Keywords: Quality of life, commuting costs, compensating differentials, residential sorting, urban labor markets.

JEL Numbers: H4, J3, Q5, R1

# 1 Introduction

In a national market, households decide where to live both across and within metropolitan areas. This decision is based on many factors, including local costs of living, access to labor markets, and local amenities. While local costs and labor-market conditions can typically be measured, the value of local amenities cannot. However, when households are sufficiently mobile and homogeneous, it is possible to infer the value of amenities by determining how much households are willing to pay for them through higher housing costs or lower wages. Consequently, as was first explained by Rosen (1979), an area's overall quality of life (QOL) can be inferred by how expensive it is to live in relative to its local wage level. This methodology has been followed by Roback (1982), Beeson and Eberts (1989), Gyourko and Tracy (1991), Gabriel and Rosenthal (2004), Chen and Rosenthal (2008), and many others to measure overall quality of life and the value of specific amenities across metropolitan areas.

When measuring the value of amenities within metropolitan areas, most researchers since Oates (1969), have focused on differences in housing rents, assuming that all workers have access to the same labor-market opportunities, and that commuting-time differences among communities can be safely ignored or controlled for. Difficulties with this assumption are that not all residents in a metropolitan area work in the same place, and that wages can vary significantly within a metropolitan area due to wage gradients, which compensate for commuting costs (Muth 1969, Straszeheim 1984, Zax 1994). Thus some households may be taking shorter commutes and receiving a lower wage, while others are commuting longer to get higher wages.

The one well-known study of quality of life at the sub-metropolitan level, Blomquist, Berger, and Hoehn (1988), deals with this problem by assuming that all workers live and work in the same county. They measure county-level quality of life according to county-level housing prices relative to county-level wage levels, as predicted by households' place of residence, with no controls for commuting time.<sup>1</sup>

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<sup>1</sup>Hoehn, Berger, and Blomquist (1987) consider a monocentric-city model where rents depend on distance to the city center, although they assume that all workers receive the same wage. They do not account for commuting in their analysis.

The approach of treating every locality as an island may be appropriate when comparing metropolitan areas, across which commuting is generally rare. In fact, local commuting patterns are used to group smaller areas, like counties, together and define them as metropolitan areas. Within metropolitan areas, this “island” treatment seems inappropriate for the same reason: for example, over 26 percent of commuters cross county lines.<sup>2</sup> Real estate agents often advise buyers to “drive until you qualify,” meaning that they should commute long enough from their work, so that prices fall to the point that they can afford a house with the characteristics and amenities that they desire. Indeed, many households may choose not to live in central cities, closer to work, because those areas offer inadequate schools, safety, or other amenities. In pursuit of the amenities they desire, workers may choose either to take long commutes, or to take lower-paying jobs with shorter commutes. The other issue with using “island” measures is that individuals may sort residentially by their skills, not all of which are observed. As a result, an area with highly-skilled workers may be inferred to have a low quality of life because it appears to offer workers a wage premium as compensation for disamenities, when in fact it has to do with unobservable skills.

In order to construct sub-metropolitan measures of quality of life, we deal with these local labor-market issues by explicitly accounting for commuting costs, both in time and money, and using wage premia based on place of work, rather than place of residence. This wage measure is more theoretically appropriate as workers wages depend causally on where they work, not on where they live. Furthermore, Fu and Ross (2010) provide evidence that workers’ unobserved skills are related to where they live, but not to where they work, where wage premia are determined by urban agglomeration economies. Constructing wage measures in this way leads to smoother variation of wages across metropolitan areas, rather than the discontinuous variation that would result from residence wage measures (due to sorting).

In section 2, we expand the conventional model of household location used to infer quality of life to allow for workers to commute between areas of residence and of work. Section 2.2 establishes that workers may implicitly pay for valuable amenities either through higher housing

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<sup>2</sup>Authors’ own calculation from County-to-County Worker Flow Data, 2000 Census of Population and Housing.

costs or commuting costs, both of which are often termed “urban costs.” This model is made operational by calibrating it in section 2.3 to household characteristics, and tying in estimates of housing-cost, wage, and commuting-cost differences across areas in the United States, presented in section 3. In particular, section 3.2 describes how housing costs differ due to location rather than due to housing composition, and how the two are generally unrelated. Section 3.3 underscores how workplace-based measures of wages better describe wage opportunities than residence-based measures, which appear to strongly reflect unobserved skills, and how it appears that residential sorting within metropolitan areas is greater than across them. Section 3.4 explains our estimates of commuting costs, and how they tend to be higher in places with lower housing costs, conditioning on wage opportunities.

In section 4 we present the first economic sub-metropolitan measures of quality of life for the entire United States, mapping it over the country, and zooming in on several prominent metropolitan areas. Often, we are able to calculate these measures within county, and we present specific measures for neighborhoods in Manhattan and San Francisco, as well as within other metropolitan areas. We find that commuting costs make several of the largest metropolitan areas appear more attractive, particularly in the suburbs. Although the metropolitan-level measures of quality of life are generally consistent with those in Albouy (2008), there is roughly as much variation in quality of life within metropolitan areas as across them. For instance, the metro areas of New York and Detroit offer some of the most and least amenable areas in the country. The hedonic relationship between the overall quality-of-life measure and specific amenities is explored in section 5, which presents tentative evidence that households will pay dearly to live in areas with low crime and well-funded schools, as well as areas with more bars and restaurants. We conclude by considering the advances and shortcomings of this piece, including issues of residential sorting according to preferences for amenities.

## 2 A Model of Residential Choice with Commuting

### 2.1 Household Preferences and Constraints

This model incorporates commuting costs into the canonical model of Rosen (1979) and Roback (1982), expanded by Albouy (2008) to incorporate federal taxes, non-housing costs, and non-labor income. Households are homogeneous and consume a tradeable good,  $x$ , with price normalized to one, a non-traded “home” good,  $y$ , with price  $p$ , time spent on leisure,  $l$ , time spent commuting,  $f$ , and a vector of amenities,  $\mathbf{Z}$ , which are aggregated into a single quality-of-life index,  $Q = \tilde{Q}(\mathbf{Z})$ . Household preferences are then modeled by a utility function,  $U(x, y, l, f; Q)$ , which is quasi-concave and increasing in  $x$ ,  $y$ ,  $l$ ,  $f$ , and  $Q$ , meaning that preferences for consumption goods and amenities are weakly separable. Households are fully mobile and choose their place of residence,  $j$ , which differ in local prices,  $p^j$ , and local amenities,  $Q^j$ . Households also choose their place of work,  $k$ , which differ in the local wage,  $w^k$ , where they may work  $h$  hours. Commuting to work takes time  $f^{jk}$ , and is assumed to have a proportional monetary cost,  $c \cdot f^{jk}$ , where  $c \geq 0$  is a constant. Households receive income from wages,  $w^k h$ , plus non-labor income,  $I$ , from a fully-diversified share of land and capital in the economy, but pay federal taxes  $\tau(w^j h + I)$ , which are rebated lump-sum back in  $I$ . State taxes and tax benefits to owner-occupied housing are modeled in Appendix C.

The household budget constraint is then

$$x + p^j y + c f^{jk} \leq w^j h + I - \tau(w^j h + I), \quad (1)$$

while the time constraint must satisfy

$$h + l + f^{jk} \leq 1, \quad (2)$$

and the time endowment is normalized to one. These two constraints may be used to construct the following expenditure function, defined precisely as the the after-tax net expenditure necessary for

a household to obtain utility  $u$ , given their circumstances

$$e(p^j, w^k, f^{jk}; Q^j) = \min_{x,y,h,l} \{x + p^j y - w^j h - I + c f^{jk} + \tau(w^j h + I) : U(x, y, l, f^{jk}; Q^j) \geq u, h + l + f^{jk} \leq 1\}, \quad (3)$$

which is increasing in  $p^j$  and  $f^{jk}$ , and decreasing in  $w^k$  and  $Q^j$ .

## 2.2 Equilibrium in Place of Residence and Work

Households are fully mobile so no combination of place of work and place of residence that is undertaken can offer a lower utility than any other. All existing combinations  $(j, k)$  must offer the same level of utility,  $u$ , meaning that in equilibrium, no households need to be paid an additional amount to take their choices. This allows us to express the equilibrium condition as

$$e(p^j, w^k, f^{jk}; Q^j) = 0, \quad (4)$$

for all  $j$  and  $k$  combinations that are observed. Therefore, places with high prices need to compensate their workers with good amenities or with short commutes to high-paying jobs.

To better interpret the model we implicitly differentiate condition (4), assuming that it is continuously differentiable in a neighborhood of its arguments, around an observed equilibrium. In choosing a place of residence, we should then see the following approximation hold:

$$\frac{\partial e}{\partial p} dp^j + \frac{\partial e}{\partial f} df^j + \frac{\partial e}{\partial Q} dQ^j = 0. \quad (5)$$

With some abuse of notation,  $df^j$  is the change in commuting time due to varying residences. This expression provides a generalization of an urban housing-cost, or rent, gradient. The urban-wage

gradient is expressed by varying the place of work, requiring that

$$\frac{\partial e}{\partial w} dw^k + \frac{\partial e}{\partial f} df^k = 0. \quad (6)$$

Here  $df^k$  is the change in commuting time by varying workplaces. Note that these are an approximation around a specific value, which we assume to be the national average.

Adding the rent and wage gradients (5) and (6) together,  $-\frac{\partial e}{\partial p} dQ^j = \frac{\partial e}{\partial p} dp^j + \frac{\partial e}{\partial w} dw^k + \frac{\partial e}{\partial f} (df^j + df^k)$ , and applying the envelope theorem (e.g. Shepard's Lemma), the marginal willingness-to-pay for local quality of life is

$$p_Q dQ^j = \bar{y} \cdot dp^j - (1 - \tau') \bar{h} \cdot dw^k + [c + (1 - \tau') \bar{w} - \alpha] df^{jk}, \quad (7)$$

where  $p_Q \equiv \partial e / \partial p = (\partial U / \partial Q) / (\partial U / \partial x)$  is the marginal valuation of  $Q$ ,  $df^{jk} \equiv df^j + df^k$  is the total difference in time spent commuting, and  $\alpha \equiv (\partial U / \partial f) / (\partial U / \partial x)$  is the marginal value of commuting, expressed in money.<sup>3</sup> The first two terms on the right express the classic formulation that households will pay higher rent,  $\bar{y} \cdot dp^j$ , or receive lower, net-of-tax earnings,  $(1 - \tau') \bar{h} \cdot dw^k$ , to enjoy a higher quality of life. The last term expresses that they may also be willing to bear higher commuting costs,  $[c + (1 - \tau') \bar{w} - \alpha] df^{jk}$ , which are the sum of material costs and time costs, net of the leisure value of commuting. When the expression is rearranged to have wages on the left-hand side, it says that households will pay higher urban costs,  $\bar{y} \cdot dp^j + [c + (1 - \tau') \bar{w} - \alpha] df^{jk}$ , given by higher rents and longer commutes, to access urban amenities or employment opportunities,  $p_Q dQ^j + (1 - \tau') \bar{h} \cdot dw^k$ .<sup>4</sup>

<sup>3</sup>Note that since  $Q$  does not have any natural units, neither  $p_Q$  nor  $dQ^j$  have operational meaning, although their product,  $p_Q dQ^j$ , does as the marginal willingness-to-pay to enjoy the amenities in location  $j$ .

<sup>4</sup>Timothy and Wheaton (2001) consider the situation when wages,  $w^k$ , are exogenous. Then, only in knife-edge cases will households commute to more than one work place from the same place of residence. With endogenous wages, wages may adjust to make this less rare. Moreover, in a more realistic model, workers may vary in their transportation costs, or receive idiosyncratic wage offers from different locations, each with mean  $w^k$ , which could cause workers from the same residences to commute to a large variety of workplaces.



## 2.3 Applying and Calibrating the Model

For the sake of application, we log-linearize (7) by dividing through by average income  $\bar{m}$ , and rearrange it to express differences in terms of log differentials  $\hat{p}^j \equiv dp^j/\bar{p}$ ,  $\hat{w}^k \equiv dw^k/\bar{w}$ ,  $\hat{f}^{jk} \equiv df^{jk}/\bar{f}$ , which are estimated from the data. The marginal willingness-to-pay for local amenities, expressed as a fraction of income,  $\hat{Q} \equiv p_Q dQ^j/\bar{m}$ , is then

$$\hat{Q}^j = s_y \hat{p}^j - (1 - \tau') s_w \hat{w}^k + \underbrace{\left\{ s_c + \left[ (1 - \tau') s_w \frac{\bar{f}}{\bar{h}} + \alpha \frac{\bar{f}}{\bar{m}} \right] \right\}}_{\hat{c}^{jk}} \hat{f}^{jk}, \quad (8)$$

where  $s_y = \bar{p}\bar{y}/\bar{m}$  is the expenditure share for home goods,  $s_w \equiv \bar{w}\bar{h}/\bar{m}$  is the income share from labor,  $s_c \equiv c\bar{f}/\bar{m}$  is share of income spent on commuting, and  $\bar{f}/\bar{h}$  is the the ratio of time spent commuting to time spent working. The total associated differences in commuting costs,  $\hat{c}^{jk}$ , is termed the commuting-cost differential.

Following Albouy (2008), the parameters unrelated to commuting are calibrated as  $s_w = 0.75$ ,  $s_y = 0.33$ , and  $\tau' = 0.35$ . This allows for the fact that, across households, about 25 percent of income is derived from non-labor sources. Furthermore, the price of goods other than housing is strongly related to the costs of local housing, leading us to put a higher weight on housing costs than the literal expenditure share on housing, which is closer to 0.22. Marginal tax rates are based on average income tax rates as well as a portion of payroll tax rates, and some amount for state taxes, insofar as wages vary within states.<sup>5</sup> We take into account that transportation costs are endogenous to the mode of transportation. Following the SIPP<sup>6</sup>, we set  $s_c = 0.049$ , while for transit riders, we use  $s_c = 0.033$ , and for walkers,  $s_c = 0.0$ .

Based on information from the SIPP and the National Highway Summary of Travel Trends, the fraction of time spent commuting is set at  $\bar{f}/\bar{h} = 0.10$ . The average worker in 2000 worked 1822 hours (U.S. Census) and spent 184 hours commuting, which is the product of 418 one-way trips to and from work averaging 26.4 minutes each way. We have decided to treat  $\alpha = 0$  based

<sup>5</sup>See Appendix C.2 for full details of state tax calibration.

<sup>6</sup>Calculations from the U.S. Department of Transportation, Bureau of Transportation Statistics using data from the *Survey of Income and Program Participation* 2001 Panel

on the assumption that the marginal value of time spent commuting is equal to the marginal value of time spent working. This is consistent with recent evidence from Small et al. (2005) based on stated and revealed preference, as well as subjective well-being data from Kahneman and Krueger (2006), whereby individuals exhibit as low an affect while commuting as while working. Alternate values of  $\alpha$ , which could be negative or positive, could easily be accounted for. Overall, the linear nature of (8) makes it very easy to see how quality-of-life measures may change with alternate calibrations, as well as how the differential measures described below are used to construct our chosen estimates.

### **3 Wage, Housing-Cost, and Commuting-Cost Differentials**

#### **3.1 Units of Geography**

Wage, housing-cost, and commuting-cost differentials are calculated using data from the 5 percent sample of the U.S. Census from the Integrated Public Use Microdata Series (IPUMS), by Ruggles et al. (2004). The public-use files only allow the residence of households to be identified down to the level of geography known as the Public Use Microdata Area (PUMA), of which there are 2071, all with over 100,000 inhabitants. While the geography of PUMAs is not always intuitive they often correspond to counties or groups of counties, and in denser areas, to sub-county areas that map to identifiable neighborhoods or municipalities. For example, in Washtenaw County, MI, one PUMA corresponds to the city of Ann Arbor while another refers to all areas in Washtenaw County other than the city. In the borough of Manhattan, also known as New York County, NY, ten areas are identified which correspond to sub-boroughs, such as the Upper East Side and Central Harlem. For place of work, the public-use files only allow identification at the Place of Work Public Use Microdata Area (PWPUMA), which number 1240, and encompass one or more standard PUMAs.

Areas are classified into metropolitan areas by the Office of Management and Budget (1999). Using these 1999 definitions there are 276 Metropolitan Statistical Areas (MSAs). Some large MSAs are categorized instead as Consolidated MSAs (CMSAs) which are in turn made up of 2

or more Primary MSAs (PMSAs). There are 19 CMSAs and 55 PMSAs. Within each MSA, the largest place and, sometimes, other places are designated as “central cities,” which together contain 29 percent of the US population.<sup>7</sup> We labeled non-central city areas within MSAs as “suburban,” and areas completely outside of MSAs as “non-metropolitan.” PUMAs can usually be assigned uniquely to different MSAs, but in cases where they overlap MSA (or county) boundaries, the observations are subdivided and given a fractional weight according to the proportion of the population that resides in each area. We also classified areas according to the average residential population density, which was calculated at the census-tract level and averaged by population.

Panel 1 of Table 1 presents means of the estimated differentials and related statistics for central city, suburban, and non-metropolitan areas. Panel 2 presents this information summarized by the location’s average density. Panel 3 presents the standard deviations of the differentials across the United States, and decomposes the variance within and across metropolitan areas (grouping non-metropolitan areas of each state together and treating them as distinct MSAs). In Table 2, these statistics are presented for PUMAs in two of the best-known counties in the United States: New York County, NY, and San Francisco County, CA, which is contiguous with the City.

### **3.2 Housing Costs due to Location and Composition**

Both housing values and gross rents, including utility costs, are used to calculate a flow value of housing costs. Following previous studies, imputed rents are converted from housing values using a discount rate of 7.85 percent (Peiser and Smith 1985), with utility costs added, to make the imputed rents comparable to gross rents. To avoid measurement error from imperfect recall or rent control, the sample includes only units that were acquired in the last ten years.<sup>8</sup> Log housing costs are regressed on place-of-residence indicators,  $\mu_p^j$ , and controls for housing composition, denoted

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<sup>7</sup>For instance, all of New York City, Bridgeport, Newark, and New Haven are deemed central city, but none of Long Island is. The cities of San Francisco, Oakland, San Jose, Berkeley, and Richmond are all central, but Fremont, Hayward, Union City, and all of Marin and San Mateo counties are not.

<sup>8</sup>We combined rent and imputed-rent measures to avoid potential problems created by differences in home-ownership by location. For instance, the difference between rented and owned units in Manhattan, where 80 percent of housing units are rented, may differ significantly from the difference in King William Co., VA, where 13 percent are rented.

$X_{pi}^j$  – i.e., size, rooms, acreage, commercial use, kitchen and plumbing facilities, type and age of building, and residents per room – all of which are fully interacted with renter status. The resulting regression equation is

$$\ln p_i^j = X_{pi}^j \beta_p + \mu_p^j + \varepsilon_{pi}^j, \quad (9)$$

where estimates of  $\mu_p^j$  are the housing-cost differentials,  $\hat{p}^j$ , for location  $j$ . Remaining differences in mean housing costs,  $\overline{\ln p^j} - \mu_p = \bar{X}_p^j \beta^j$ , are attributed to mean differences in observable housing composition across areas,  $\bar{X}_p^j$ , which relates both to the quantity and quality of housing consumed.

Proper identification of housing-cost differentials requires that mean differences in unobservable housing characteristics across areas are zero. This is of concern, since housing units may vary considerably across areas. For example, two-bedroom apartments in the suburbs may be more spacious than those in the central city and may be considerably better maintained in desirable areas than in less desirable ones. An overstated housing-cost differential will bias quality-of-life estimates upwards, and thus one must bear in mind that quality of life may also capture differences in unobserved housing quality.<sup>9</sup> Another issue is that the Census does not provide information about what units are rent controlled, which is of particular concern in a few prominent cities. Using the work of Pollakowski (2003), we imputed what housing costs would be in the absence of rent control, causing them to be slightly higher in “core” Manhattan and San Francisco.<sup>10</sup>

In addition to constructing housing-cost differentials as described above, we use the observable characteristics of housing alone to predict housing-cost due to composition. In other words, this composition value is the value of housing predicted solely from  $X_{pi}^j$ , observable characteristics, without accounting for locational fixed effects.

In column 2 of Panel A of Table 1, we see that the housing-cost index is 2 log points higher

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<sup>9</sup>For the homes of the very wealthy, this effect is mitigated by the fact that housing values are censored at \$1 Million. Furthermore, Malpezzi et. al. (1998) determine that housing-cost indices derived from the Census in this way perform as well or better than most other indices.

<sup>10</sup>Pollakowski estimates that in “core” Manhattan areas, the lower 6 neighborhoods, rent-controlled units would be 37 percent higher without rent control. Using a similar method with Census data, we determined that rent-controlled units in San Francisco would be 22 percent higher in the absence of rent control. To correct for this, we added the fraction of rent-controlled units in each PUMA times  $\ln(1 + a)$  to the housing cost index, where  $a$  is how much units would appreciate without rent control.

in suburban areas than in central cities, and 41 log points higher than non-metropolitan areas. However, as seen in Panel B, the highest housing costs are nonetheless in the densest areas. In column 3, we see that housing units in the suburbs and in areas with moderate densities have the highest value predicted by observable characteristics, while those in the central city and in high-density areas have the lowest value: the most straightforward explanation for this phenomenon is that units in denser, central areas are smaller.<sup>11</sup> In Manhattan, units in lower cost Harlem have a higher value than units in Midtown, Downtown, or the Upper East and West Sides.

Panel C provides evidence that while there is considerable variation in housing costs due to composition across areas, there are much greater differences in housing costs due to location. At the PUMA level, a greater fraction of housing-cost variability occurs across metro areas, than within them. The opposite is true of differences in composition, which are relatively small across metro areas.

### 3.3 Wage Levels by Workplace and Residence

Wage differentials,  $\hat{w}^k$ , are calculated from the logarithm of hourly wages from a sample of workers, ages 25 to 55, who worked at least 30 hours a week and 26 weeks a year. These differentials control for skill differences across workers to provide an analogue to the representative worker in the model. Log wages are regressed on place-of-work indicators,  $\mu_w^k$ , and controls for worker composition, or “skills,”  $X_{wi}^k$ , – i.e., education, experience, race, occupation, industry, and veteran, marital, and immigrant status – each interacted with gender. The regression equation is

$$\ln w_i^k = X_{wi}^k \beta + \mu_w^k + \varepsilon_{wi}^k. \quad (10)$$

Unlike the housing-cost differentials which are estimated by place of residence, the wage differentials for residents of location  $j$ ,  $\mu_w^j$ , must be constructed since wages are first estimated based

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<sup>11</sup>As shown in Appendix Figure A1, the correlation between locational and compositional housing-cost measures is zero across PUMAs. However, when density is flexibly controlled for, a one-point increase in housing-cost predicts a 0.12 point increase in the value of housing composition.

on place of work. We construct these local wage measures by averaging  $\mu_w^k$ , according to the proportion of residents of  $j$  who work in each place  $k$ . This differential is interpreted as the measure of the wage opportunities available to residents of location  $j$ , when they are willing to pay the commuting costs estimated below, and is used in place of  $\hat{w}^k$  to estimate quality-of-life.

Identifying the wage differentials accurately requires that workers do not sort across workplaces according to their unobserved skills. Fu and Ross (2010) provide considerable evidence that wage levels estimated at the workplace are due to agglomeration economies, and not unobserved skill differences, as their strong relationship with employment density is not affected when place of residence is controlled for. They are well explained by commuting costs, as an equilibrium model of the wage gradient seen above predicts. While this provides evidence against workplace sorting, wage levels estimated using residence indicators, in an equation analogous to (9), are subject to residential sorting. Figure 1 graphs wage estimates by workplace against estimates by residence, showing that the former vary less than the latter. This is apparent in Table 2, where wages by residence vary remarkably in Manhattan; from 47 log points in the Upper West Side to only 3 log points in Washington Heights. The residence wage estimates are hard to interpret causally, since these locations are separated by only a short commute, and therefore should offer similar wage opportunities. However, this similarity is reflected in wages by workplace, which differ by only 4 log points. Overall, according to column 4 of Table 1, workplace wages for central city residents are as high as for suburban residents, are higher for residents of denser areas, and vary little within metropolitan areas relative to across them. Residential wage measures, in column 5, indicate wage opportunities are lower in central cities, contradicting most models of wage gradients.

The difference between workplace and residence-based wage measures is perhaps best interpreted as differences in unobserved skills, such as in the quality of human capital. This difference is illustrated in Figure 1 by the distance rightward from the diagonal to each PUMA's marker. It seems likely that workers with lower unobserved skills should live in the same areas as those with lower observed skills. This conforms to patterns seen in column 6 of Table 2: lower levels of both types of skills are seen in central cities, and in neighborhoods such as Harlem and Bayview; higher

skill levels of both kinds are found in the suburbs, and in neighborhoods such as the Upper East Side and North Beach. Across PUMAs, a one-point increase in wages due to unobserved skills predicts a 1.07-point increase in wages predicted by observable skills. Unlike the wage differentials by workplace and residence, wages due to differences in skills, observed or not, vary much more within metro areas than across them. This supports the view that residential sorting is more important within metro areas than across them, and that wage differences across metro areas are due to local productivity, such as from agglomeration, rather than from worker selection.

While the wage measures used here may be biased by sorting on unobserved ability, particularly across metropolitan areas, the available evidence suggests these effects are rather weak. For smaller geographic areas our workplace wage measures are certainly an improvement over residence-based wage measures for the reasons discussed above. An overstated wage differential for a location will bias its quality of life downwards. Thus, if residence-based wage levels are used instead of workplace wages, then areas with highly skilled residents will have their wage opportunities overestimated and their quality of life underestimated.

### 3.4 Commuting Costs

Commuting-cost differentials are estimated from commuting times reported in the Census and are based on a worker's place-of-residence. The same sample is used for wages, and the equation is estimated from the logarithm of commute time, with place-of-residence indicators,  $\mu_f^j$ , and controls,  $X_{fi}^j$  – i.e., number of children, children under 6, self employment, relationship to the household head, and all of the controls used in the wage equation – each interacted with gender. Thus, the regression equation is

$$\ln f_i^j = X_{fi}^j \beta_f + \mu_f^j + \varepsilon_{fi}^j.$$

Estimates of  $\mu_f^j$  are used as commuting-time-cost differentials,  $\hat{f}^j$ .

In addition to calculating differences in commuting time, we also account for differences in

mode to estimate the monetary costs of commuting. Using a linear probability model, we calculate demographically-adjusted probabilities of using each mode of transportation,  $\rho_l^j$ , for modes  $l$  – own car, carpool, public transportation, and other methods including walking and biking. The overall cost is then the weighted average of the mode costs multiplied by the time differential, plus the average deviation in average monetary costs, determined by transportation modes,

$$\sum_l \rho_l^j c_l \hat{f}^j + \sum_l (\rho_l^j - \bar{\rho}) c_l.$$

For most areas outside of New York City, the adjustments for transportation mode are minor.<sup>12</sup>

Column 7 in Tables 1 and 2 report differences in the full cost of commuting, the last term of (8), which is inferred primarily from differences in commuting time, listed in column 8. These costs are lower in central cities and non-metro areas than in the suburbs, although the variation is small economically. Within New York and San Francisco, downtown residents have the lowest observed costs. Commuting costs are generally lowest in medium-density areas, and at the PUMA level these costs vary about as much within metropolitan areas as across them.

Commuting costs are plotted relative to housing costs in Figure 2, each residualized from local wage levels. A one-point increase in commuting costs is associated with a 1.72 point reduction in housing costs. This negative relationship is consistent with models of rent gradients, although when interpreted strictly through equation (8) the calibration predicts the slope should be -3.0, when holding quality-of-life constant within the metro areas. In that case, a one-percent increase in housing costs should lower real income by three percent. This suggests that, within metro areas, residents may be commuting longer in order to obtain better amenities.

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<sup>12</sup>In New York City and the municipalities of San Francisco, Boston, Philadelphia, and Chicago, the monetary costs of transit riders are assumed not to vary by travel time, as their transit agencies charge a flat fare to their riders.



## 4 Quality of Life across the United States

Local quality-of-life differentials are estimated at the PUMA level using the housing-cost, wage, and commuting-cost differentials discussed above with a calibrated version of (8)<sup>13</sup>. These quality-of-life estimates are mapped in Figure 3 for the continental United States, and in Figures 4A, 4B, 4C, and 4D for areas around San Francisco, New York, Detroit, and Atlanta. Quality-of-life differentials for these four MSAs, and for Honolulu, are presented in Table 3, according to different levels of geography<sup>14</sup>. Each level of geography is given its own ranking by type, so there are separate rankings for MSAs, counties, and PUMAs. A full list of quality-of-life differentials for 2071 PUMAs appears in Appendix Table A1<sup>15</sup>.

The highest quality-of-life PUMA in the United States is East Oahu/Waiialae-Kahala, where households sacrifice the equivalent of 29 log points of real after-tax income (25 percent) relative to the national average to live there. This PUMA is inside the Honolulu MSA, which was already found to be the highest quality-of-life MSA in Albouy (2008). The second best quality of life is found in the “San Rafael/Sausalito/Mill Valley” PUMA, which is inside Marin County, which offers the best quality of life among counties. Marin is found inside the San Francisco-Oakland-San Jose (or SF Bay Area) CMSA with the second highest quality of life among MSAs.<sup>16</sup> Without factoring in commuting, the SF Bay Area would be behind Santa Barbara and Salinas (Monterey Co.) MSAs, which have lower commuting times. Four of the six PMSAs in the SF Bay Area, are ranked as the nicest metros after Honolulu, when CMSAs are disaggregated (see Figure 4A).

The worst quality of life is found in southwest Detroit City, the Chadsey/Condon/Vernor PUMA (see Figure 4C), where households are compensated with 22 log points (25 percent) of real after-

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<sup>13</sup>The preferred PUMA estimates include adjustments for state taxes and housing deductions. Refer to Appendix C for details.

<sup>14</sup>PUMAs are the smallest geographic unit we can identify using the Public-Use data. Quality-of-life estimates for larger areas are calculated by appropriately weighting and aggregating PUMA level estimates according to population and boundaries.

<sup>15</sup>Full rankings for the other levels of geography are available upon request

<sup>16</sup>Blomquist et al. (1988) found Alameda County, which contains Oakland, to be one of the best and Marin County to be one of the worst counties in the SF Bay Area. Among other things, this is probably due to their use of wage levels based on residence rather than place of work. As explained in Albouy (2008), the SF Bay Area in general fared badly in their article as they did not take into account federal taxes and non-housing costs-of-living.

tax income to live there (seen in Table A1). Although the Detroit MSA does not offer a very high average quality of life, it still contains areas with high quality of life, like West Bloomfield/Birmingham, ranked 71st among PUMAs. Flint and Ann Arbor are two cities near Detroit that are considered part of the Detroit CMSA but these have very different levels of quality of life. Although both satellite cities have higher than average wage levels, the housing costs and commuting costs are very different, signalling that Ann Arbor has more desirable amenities than Flint. The low commuting costs in Ann Arbor suggest that workers commute within the town for work, where the comparatively higher commuting costs for Flint suggest that many workers commute there.

New York City is an especially interesting case as the high population and high population density provide many different PUMAs spread over a relatively small landmass. Manhattan has only 23 square miles of land mass and is split into 10 different PUMAs (see Figure 4B). Due to the proximity of these areas, it is clear that the entire island can be considered one labor market. However, there is still significant variation in quality of life among these areas, apparent mostly in urban-cost differences. It may seem surprising that quality of life can vary so much over such a small geographic area, especially the juxtaposition between neighboring areas like the Upper East and West Sides and Harlem, but these differences are generally well known among locals.

The greater New York metropolitan area offers some of the best locations, including amenable suburbs such as Port Washington, Great Neck, Oyster Bay, Glen Cove and Jericho in Long Island, as well as the Upper East Side in Manhattan. This is counterbalanced by some of the least amenable areas in Harlem, South Bronx, and South Newark. Once again, we see quality of life varying to a great degree within a metropolitan area.

The best quality-of-life counties in the Atlanta metropolitan area are the suburban counties, DeKalb and Cobb, located right outside of the central city boundary. There is substantial variation within counties at the PUMA level. As shown in Figure 4D, the central city area of Atlanta (part of Fulton County) contains both the highest quality-of-life PUMA in the Atlanta MSA, Buckhead, right next to the lowest quality-of-life PUMA in the region, Center Hill-West Lake. Within the

Atlanta metropolitan area we see once again that wages are more similar than housing costs (see Table 3) and it is the variation in housing cost that has a larger effect on the local quality of life measurement.

The four MSAs focused on here show that households find the highest quality-of-life within metropolitan areas, but mostly outside of the central city areas. Panel A of Table 1 shows that this pattern for quality of life (column 9) holds generally for the entire United States. These suburbs have higher commuting costs (column 7) and higher prices (column 2) while having similar wage levels (column 4) as central city areas. This similarity in wages makes perfect sense when you remember that it is the labor market and commuting patterns that lead areas to be tied together and defined as metropolitan areas. Panel B also shows that denser areas are generally more amenable as well. Panel C shows that at the PUMA level within MSAs, there appears to be roughly the same amount of variation in quality of life as there is across MSAs, with a standard deviation in quality-of-life values equal to almost 5 percent of gross income. This is remarkable, since fewer amenities can vary within metro areas as opposed to across them<sup>17</sup>.

Several interesting trends emerge from the sub-metropolitan quality-of-life estimates. The quality of life in metro areas is generally found to be higher than in non-metro areas with the inclusion of commuting costs. Households put up with these higher costs to access the better jobs and amenities these areas generally offer. While both wages and housing costs vary less within MSAs than they do across MSAs, these examples match the general trend that within an MSA, wages vary less than housing costs do. This makes sense with a story of local labor markets that are larger than neighborhoods. When households move to New York for a job, they decide where to live according to the commute and amenity differences between the surrounding areas. The choice is not between living and working on the Upper East Side *or* living and working in East Harlem.

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<sup>17</sup>For example, weather may not vary much within a metro area but certainly will across metro areas

## 5 Inferred Valuation of Specific Amenities

Based on hedonic theory, the quality-of-life values may be used to estimate how much value households put on particular amenities from a second-step regression,

$$\hat{Q}^j = \sum_k \pi_k^Q Z_k^j + \varepsilon^{Qj}, \quad (11)$$

where  $\pi_k = -(\partial E/\partial Q) (\partial \tilde{Q}/\partial Z_k) / \bar{m}$  measures the fraction of gross income a household is willing to pay for one more unit of amenity  $k$ . Multiplying this coefficient by average gross household income (\$68,000 in 2000) produces the dollar value. The residual  $\varepsilon^{Qj}$  results from measurement error, unobserved amenities, mis-specification, and unobserved differences in housing quality and worker skills. The separate contribution of wage, housing-cost, and commuting-cost effects are presented from regressions:

$$\hat{w}^j = \sum_k Z_k^j \pi_k^w + \varepsilon^{wj}, \quad \hat{p}^j = \sum_k Z_k^j \pi_k^p + \varepsilon^{pj}, \quad \hat{c}^j = \sum_k Z_k^j \pi_k^c + \varepsilon^{cj}, \quad (12)$$

where the model implies that  $\pi_k^Q = s_y \pi_k^p - (1 - \tau') s_w \pi_k^w + \pi_k^c$ .

Inferring specific amenity values with cross-sectional data faces many potential pitfalls. There is a high degree of collinearity between the amenity variables, making it difficult to obtain precise estimates for a reasonably large set of variables. Unmeasured amenities may contribute to omitted variable biases. Furthermore, artificial amenities may be highly endogenous, subjecting their estimated values to additional skepticism. Yet, oftentimes there is no other recourse, due to the unavailability of natural experiments and confounding factors in the dynamics of urban price and wage changes over time.

Table 4 reports the coefficient estimates from the amenity regressions<sup>18</sup>. The results that households value mild winters, mild summers, sunshine, and coastal proximity were already discernible from cross-metro estimates in Albouy (2008). Yet, those regressions do not provide evidence that

<sup>18</sup>A detailed description of the amenity data can be found in Appendix B

households are willing to pay to avoid crime, measured through the murder rate. Although we were only able to find nationally representative crime rates at the county level, which is still far too aggregated, the regressions associate an increase in the murder rate from 10 to 20 per 100,000 residents, the difference between Los Angeles and Philadelphia, with a reduction in willingness to pay of 1.7 percent of income, or \$1,150 per household. While substantial, this estimate is smaller than valuations of crime in Bishop and Murphy (2011), based on more geographically fine data for the SF Bay Area.

The estimates also reveal a high willingness to pay for school funding even if those require higher local taxes, which are not controlled for: an increase in funding of \$1,000 per student increases the willingness to pay of households 0.72 percent of income or \$490. Each household has on average 0.90 children, making it appear that school funding likely has a high return. Although it is problematic to interpret this result causally, these estimates are in the same order of magnitude as Black (1999), Bayer, Ferreira and McMillan (2007) and Caetano (2010), who find a very high willingness to pay for schools with better test scores. This could reflect that new home-buyers plan to use schooling services more than typical resident-taxpayers, or that the political process generally leads to sub-optimally funded public schools.

One advantage of having sub-metropolitan measures is that it allows us to consider variation within as well as across metropolitan areas. This is done here by adding MSA indicators, or “fixed effects,” to the regression equation, producing the results in column 5. This greatly reduces the identifying variation for a number of amenity variables, particularly for climate and geography, but helps to check the validity of the estimates for amenity variables that do vary within metropolitan areas. Indeed, a concern could be that valuation estimates are driven by differences in unobserved amenities or unobserved skill differences across metropolitan areas. Not surprisingly, the valuations for sunshine and coastal proximity become statistically indistinguishable from zero. On the other hand, valuations for school funding, safety from crime, and local bars and restaurants (which vary much more within metro areas) remain significant. Interestingly, we find similar, and arguably

larger valuations to avoid extreme temperatures and live on land with a greater slope.<sup>19</sup>

## 6 Conclusion

The inclusion of commuting costs into the canonical Rosen-Roback model of quality of life is quite natural, as standard urban economic models emphasize commuting as much as rents, when considering the costs of living and working in an urban area. Indeed, conditioning on wage opportunities we find that commuting and housing costs are negatively related.

Within metropolitan areas, there is also the additional problem that households may be sorting across neighborhoods according to unobserved skills, although this appears to be addressed fairly well by using wage levels based upon place of work, rather than residence. We find interesting evidence that there appears to be more skill sorting within metropolitan areas, as opposed to across them. Perhaps this is because local labor markets provide a centripetal force holding heterogeneous individuals together, who would otherwise choose to live in different areas that are far apart. Whatever the case, using workplace wages prevents areas such as Harlem from being seen as offering low wage opportunities, and thus overestimating its quality of life, rather than as being an area with lower-skilled workers.

Modeling these amendments, our nation-wide quality-of-life estimates provide some interesting comparisons across disparate parts of the United States, from rural areas on the plains, to cities on the coasts. We find as much variation in quality-of-life within metropolitan areas as we do across them. In particular, the highest amenity areas are generally found in denser suburbs, while low-density rural areas are the least amenable: these conclusions are only clear when commuting and residential selection are controlled for. Furthermore, the geographic detail of the data – the best available nationwide for public use – makes it easier to identify how much households value location-specific amenities, providing cross-sectional evidence, both within and across metropolitan areas, that households put great value on safety, schools, and leisure amenities, as well as mild

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<sup>19</sup>Note that the data for these variables is arguably of higher quality than for the others.

climates and scenic geography.

Perhaps the greatest issue not addressed here is how households sort according to their tastes for local goods. For example, the strong willingness-to-pay for suburbs with good schools may reflect the fact that those with the strongest demand for housing tend to be parents. Further research is certainly warranted in measuring the willingness to pay for different amenities across households, according to both observed and unobserved traits. Nonetheless, the importance of preference heterogeneity should not be overstated: we imagine that most Americans would prefer to live on the beaches of Hawaii, than in the crime-ridden areas of Detroit, if they were guaranteed the same level of private consumption in either locale. We hope that our attempts at incorporating commuting costs and workplace wage-measures helps to integrate urban economic models of rent and wage gradients with those used to value household amenities.

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TABLE 1: WAGE, HOUSING-COST, COMMUTING-COST, AND QUALITY-OF-LIFE DIFFERENTIALS ACROSS THE U.S., 2000

Differential	Housing Cost		Wage		Commuting		Quality of Life			
	Population	Cost Index	Compo- sition	by Work- place	by Resi- dence	Compo- sition	Full Cost	Time Cost	Workpla. Adj.	Simple
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>Panel A: Central City, Suburban, or non-Metropolitan Area</i>										
Central City (in Metro)	85,401,116	0.048	-0.047	0.034	0.002	-0.037	-0.006	-0.044	-0.009	0.014
Suburban (in Metro)	141,255,868	0.071	0.036	0.034	0.047	0.027	0.005	0.047	0.010	-0.002
Non-Metropolitan Areas	54,764,922	-0.340	-0.020	-0.145	-0.167	-0.013	-0.006	-0.056	-0.037	-0.020
<i>Panel B: By Residential Population Density</i>										
>5,000 per square mile	75,957,757	0.249	-0.075	0.113	0.077	-0.056	0.002	0.062	0.022	0.038
1,000-5,000 per square mile	126,073,690	-0.005	0.043	0.002	0.015	0.034	-0.002	-0.038	-0.005	-0.009
<1,000 per square mile	79,390,459	-0.286	0.004	-0.115	-0.127	-0.001	0.000	-0.002	-0.030	-0.023
<i>Panel C: Standard Deviations</i>										
All PUMAs		0.348	0.098	0.130	0.149	0.092	0.019	0.218	0.067	0.056
Across Metropolitan Areas		0.302	0.053	0.126	0.131	0.046	0.014	0.165	0.049	0.044
Within Metropolitan Areas		0.173	0.082	0.035	0.072	0.079	0.013	0.143	0.046	0.036
<i>Fraction of Variance Within</i>		<i>0.247</i>	<i>0.700</i>	<i>0.072</i>	<i>0.234</i>	<i>0.737</i>	<i>0.468</i>	<i>0.430</i>	<i>0.471</i>	<i>0.413</i>

Wage, housing price, and commuting data are taken from the U.S. Census 2000 IPUMS for 2071 Public-Use Microdata Areas (PUMAs). Differentials are relative to the national average. Housing-cost differentials are based on the average logarithm of gross rents or housing prices plus utilities, with the cost-index determined by the indicator for what PUMA it is located in, and the composition index by the predicted value based on other observable housing characteristics. Wage differentials are based on the average logarithm of hourly wages for full-time workers ages 25 to 55, with the "By workplace" differential estimated off of work-place indicators, averaged over resident workers, the "By Residence" estimated off of residential indicators, and the "Composition" index by the wage predicted by observable characteristics. Commuting-cost differentials for workers are estimated from monetary-cost and time-cost differentials explained in the text, the latter based on time to work. The adjusted quality-of-life index is estimated from the housing-cost, workplace-wage, and commuting-cost indices, according to equation (8), as calibrated in the text, while the simple index is estimated from the housing-cost and residence-wage indices, only. In Panel C, non-metropolitan areas of each state are treated like a distinct metropolitan area, although the results do not change substantially if they are excluded. See text for greater detail.

TABLE 2: WAGE, HOUSING-COST, COMMUTING-COST, AND QUALITY-OF-LIFE DIFFERENTIALS WITHIN MANHATTAN, NEW YORK, AND THE CITY OF SAN FRANCISCO, 2000

Area Name	Population (1)	Housing Cost		Wage			Commuting		Quality of Life		
		Cost Index (2)	Compo- sition (3)	By Work- place (4)	By Resi- dence (5)	Compo- sition (6)	Full Cost (7)	Time Cost (8)	Workpla. Adj. (9)	Simple (10)	QOL Rank (11)
<i>New York Co., NY (Manhattan)</i>	<i>1,537,195</i>	<i>0.621</i>	<i>-0.264</i>	<i>0.270</i>	<i>0.287</i>	<i>0.004</i>	<i>-0.006</i>	<i>0.114</i>	<i>0.047</i>	<i>0.045</i>	<i>72</i>
Upper East Side	217,063	1.316	-0.292	0.290	0.497	0.183	-0.011	0.029	0.244	0.151	6
Stuy Town/Turtle Bay	143,441	1.244	-0.339	0.287	0.427	0.181	-0.020	-0.042	0.215	0.165	14
Greeewich Vlg./Fin. District	125,567	1.218	-0.308	0.288	0.424	0.139	-0.023	-0.067	0.204	0.158	17
Upper West Side	192,213	1.120	-0.304	0.289	0.473	0.172	-0.001	0.164	0.195	0.104	24
Midtown West/Chelsea	122,241	1.016	-0.315	0.288	0.426	0.079	-0.024	-0.087	0.141	0.096	69
Washington Hts./Inwood	216,234	0.264	-0.235	0.238	0.025	-0.195	0.009	0.315	-0.030	0.068	1242
Lower E. Side/Chinatown	166,379	0.367	-0.254	0.267	0.096	-0.156	-0.011	0.107	-0.034	0.064	1297
Morningside Hts./Hamilton Hts.	129,533	0.253	-0.209	0.247	0.123	-0.093	0.002	0.211	-0.045	0.015	1462
Central Harlem	109,091	-0.057	-0.179	0.250	0.196	-0.156	0.008	0.263	-0.135	-0.116	2046
East Harlem	115,433	-0.071	-0.168	0.249	0.151	-0.201	0.003	0.180	-0.143	-0.098	2050
<i>San Francisco City &amp; Co., CA</i>	<i>776,733</i>	<i>0.934</i>	<i>-0.176</i>	<i>0.265</i>	<i>0.245</i>	<i>-0.016</i>	<i>-0.001</i>	<i>0.082</i>	<i>0.151</i>	<i>0.161</i>	<i>5</i>
Ingleside	105,194	1.104	-0.128	0.263	0.253	0.002	0.004	0.108	0.208	0.209	15
Sunset	105,532	1.065	-0.158	0.272	0.217	0.044	0.001	0.120	0.189	0.216	28
Buena-Vista/Central/Bernal Hts.	109,355	1.044	-0.160	0.271	0.246	0.054	0.001	0.100	0.184	0.194	31
Marina/Northeast	107,285	1.030	-0.229	0.270	0.407	0.042	-0.002	0.118	0.176	0.110	35
Richmond/W. Addition	136,975	0.964	-0.145	0.269	0.265	0.038	0.009	0.179	0.168	0.161	39
S. Bayshore/S. Central	105,338	0.651	-0.147	0.252	0.146	-0.178	-0.002	0.018	0.070	0.125	265
Downtown/SOMA/Mission	107,054	0.669	-0.273	0.260	0.176	-0.129	-0.019	-0.093	0.055	0.116	350

Differentials are relative to the national average. The sub-county measures are for Public-Use Microdata Areas, each containing over 100,000 inhabitants. Area names for the PUMAs here are based on sub-borough and planning area names from the Census. To offset bias due to rent control, the fraction of units that are controlled was multiplied by  $\ln(1.37)$  in the six lower sub-boroughs of Manhattan and by  $\ln(1.19)$  in San Francisco. Quality-of-Life Rankings are out of 2071 PUMAs. See Table 1 and Figures 3A and 3B for more.

TABLE 3: WAGE, HOUSING-COST, COMMUTING-COST, AND QUALITY-OF-LIFE DIFFERENTIALS FOR DIFFERENT LEVELS OF GEOGRAPHY WITHIN FIVE METROPOLITAN AREAS, 2000

Area Name	Unit of Geography	Population (1)	Housing Cost Index (2)	Wage by Work-place (3)	Full Commute Cost (4)	Quality of Life Adj. (5)	QOL Rank in Geog. Unit (6)
<b>Honolulu, HI</b>	<b>MSA</b>	<b>876,156</b>	<b>0.577</b>	<b>-0.006</b>	<b>-0.001</b>	<b>0.177</b>	<b>1</b>
East Oahu/Waiālae-Kahala	PUMA	102,724	0.936	-0.006	0.003	0.291	1
Kaneohe/Kailua	PUMA	117,994	0.738	-0.007	0.002	0.230	8
Pearl City/Waimalu/W. Honolulu	PUMA	144,481	0.615	-0.008	-0.006	0.185	30
Waipahu/Mililani/Ewa	PUMA	178,534	0.448	-0.006	0.016	0.155	51
Waikiki/Alo Maoni/Kapiolani	PUMA	109,509	0.610	-0.005	-0.034	0.154	53
West Oahu/Midway Islands	PUMA	113,560	0.349	-0.004	0.020	0.128	87
Downtown Honolulu	PUMA	109,354	0.435	-0.005	-0.020	0.115	109
<b>San Francisco-Oakland-San Jose, CA</b>	<b>MSA</b>	<b>7,039,362</b>	<b>0.773</b>	<b>0.245</b>	<b>0.009</b>	<b>0.122</b>	<b>2</b>
San Francisco, CA	PMSA	1,731,183	1.011	0.270	0.003	0.175	2
<i>Marin Co.</i>	<i>County</i>	247,289	1.092	0.233	0.019	0.235	1
San Rafael/Sausalito/Mill Valley	PUMA	146,373	1.196	0.235	0.018	0.264	2
Novato/Lucas Valley/Point Reyes	PUMA	100,916	0.942	0.230	0.022	0.194	26
<i>San Mateo Co.</i>	<i>County</i>	707,161	1.066	0.289	0.000	0.180	2
<i>San Francisco Co.</i>	<i>County</i>	776,733	0.934	0.265	-0.001	0.151	5
Santa Cruz-Watsonville, CA	PMSA	255,602	0.771	0.163	0.008	0.161	3
San Jose, CA	PMSA	1,682,585	0.945	0.312	0.000	0.131	4
Santa Rosa, CA	PMSA	458,614	0.555	0.124	0.010	0.117	5
Oakland, CA	PMSA	2,392,557	0.614	0.233	0.020	0.090	15
Vallejo-Fairfield-Napa, CA	PMSA	518,821	0.344	0.148	0.013	0.044	47
<b>New York, N. NJ, Long Is., NY-NJ-CT-PA</b>	<b>MSA</b>	<b>25,036,899</b>	<b>0.404</b>	<b>0.205</b>	<b>0.019</b>	<b>0.039</b>	<b>31</b>
Nassau-Suffolk, NY	PMSA	2,753,913	0.517	0.190	0.032	0.094	11
Bergen-Passaic, NJ	PMSA	1,373,167	0.523	0.228	0.009	0.054	33
New York, NY	PMSA	9,314,235	0.444	0.210	0.020	0.050	37
<i>Westchester Co.</i>	<i>County</i>	923,459	0.642	0.220	0.022	0.107	28
<i>Putnam Co.</i>	<i>County</i>	95,745	0.458	0.198	0.047	0.087	56
<i>New York Co. (Manhattan)</i>	<i>County</i>	1,537,195	0.711	0.270	-0.006	0.075	72
<i>Queens Co.</i>	<i>County</i>	2,229,379	0.475	0.198	0.028	0.073	78
<i>Richmond Co. (Staten Island)</i>	<i>County</i>	443,728	0.427	0.199	0.041	0.071	80
<i>Rockland Co.</i>	<i>County</i>	286,753	0.467	0.189	0.014	0.062	132
<i>Kings Co. (Brooklyn)</i>	<i>County</i>	2,465,326	0.334	0.190	0.024	0.031	253
<i>Bronx Co.</i>	<i>County</i>	1,332,650	0.148	0.199	0.023	-0.032	1146
Stamford-Norwalk, CT	PMSA	882,567	0.571	0.282	0.015	0.047	44
Danbury, CT	PMSA	1,064,760	0.504	0.254	0.015	0.041	48
Monmouth-Ocean, NJ	PMSA	1,126,217	0.256	0.177	0.038	0.028	64
Middlesex-Somerset-Hunterdon, NJ	PMSA	1,169,641	0.373	0.229	0.028	0.027	65
Newburgh, NY-PA	PMSA	387,669	0.079	0.078	0.038	0.023	75
Newark, NJ	PMSA	2,032,989	0.363	0.223	0.018	0.017	86
Dutchess County, NY	PMSA	280,150	0.143	0.106	0.024	0.014	90
Bridgeport, CT	PMSA	1,706,575	0.380	0.212	0.004	0.014	91
Waterbury, CT	PMSA	1,006,201	0.178	0.134	-0.002	-0.015	155
Jersey City, NJ	PMSA	608,975	0.310	0.244	0.012	-0.016	156
New Haven-Meriden, CT	PMSA	979,079	0.181	0.136	-0.005	-0.018	162
Trenton, NJ	PMSA	350,761	0.220	0.194	0.009	-0.022	177

TABLE 3: WAGE, HOUSING-COST, COMMUTING-COST, AND QUALITY-OF-LIFE DIFFERENTIALS FOR DIFFERENT LEVELS OF GEOGRAPHY WITHIN FIVE METROPOLITAN AREAS, 2000

Area Name	Unit of Geography	Population (1)	Housing Cost Index (2)	Wage by Work-place (3)	Full Commute Cost (4)	Quality of Life Adj. (5)	QOL Rank in Geog. Unit (6)
<b>Atlanta, GA</b>	<b>MSA</b>	<b>4,112,198</b>	<b>0.012</b>	<b>0.064</b>	<b>0.017</b>	<b>-0.011</b>	<b>110</b>
<i>DeKalb Co.</i>	<i>County</i>	<i>665,865</i>	<i>0.117</i>	<i>0.077</i>	<i>0.013</i>	<i>0.010</i>	<i>438</i>
<i>Cobb Co.</i>	<i>County</i>	<i>607,751</i>	<i>0.080</i>	<i>0.081</i>	<i>0.019</i>	<i>0.003</i>	<i>513</i>
<i>Forsyth &amp; Pickens Cos.</i>	<i>County</i>	<i>98,407</i>	<i>0.004</i>	<i>0.047</i>	<i>0.024</i>	<i>0.001</i>	<i>544</i>
<i>Fulton Co.</i>	<i>County</i>	<i>816,006</i>	<i>0.147</i>	<i>0.098</i>	<i>0.003</i>	<i>-0.001</i>	<i>572</i>
<i>Cherokee Co.</i>	<i>County</i>	<i>141,903</i>	<i>-0.026</i>	<i>0.047</i>	<i>0.029</i>	<i>-0.002</i>	<i>601</i>
<i>Gwinnett Co.</i>	<i>County</i>	<i>588,448</i>	<i>0.011</i>	<i>0.070</i>	<i>0.028</i>	<i>-0.003</i>	<i>621</i>
<i>Coweta, Fayette, &amp; Spalding Cos.</i>	<i>County</i>	<i>89,215</i>	<i>-0.125</i>	<i>0.016</i>	<i>0.017</i>	<i>-0.030</i>	<i>1096</i>
<i>Carroll &amp; Douglas Cos.</i>	<i>County</i>	<i>92,174</i>	<i>-0.204</i>	<i>-0.003</i>	<i>0.027</i>	<i>-0.034</i>	<i>1241</i>
<i>Newton &amp; Rockdale Cos.</i>	<i>County</i>	<i>62,001</i>	<i>-0.176</i>	<i>0.022</i>	<i>0.024</i>	<i>-0.040</i>	<i>1445</i>
<i>Henry</i>	<i>County</i>	<i>119,341</i>	<i>-0.166</i>	<i>0.042</i>	<i>0.024</i>	<i>-0.048</i>	<i>1709</i>
<i>Bartow &amp; Paulding Cos.</i>	<i>County</i>	<i>76,019</i>	<i>-0.233</i>	<i>0.017</i>	<i>0.030</i>	<i>-0.049</i>	<i>1768</i>
<i>Clayton Co.</i>	<i>County</i>	<i>236,517</i>	<i>-0.128</i>	<i>0.056</i>	<i>0.011</i>	<i>-0.056</i>	<i>2021</i>
<i>Barrow &amp; Walton Cos.</i>	<i>County</i>	<i>46,144</i>	<i>-0.231</i>	<i>0.007</i>	<i>0.016</i>	<i>-0.057</i>	<i>2053</i>
<b>Detroit-Ann Arbor-Flint, MI</b>	<b>MSA</b>	<b>5,456,428</b>	<b>0.017</b>	<b>0.120</b>	<b>0.006</b>	<b>-0.049</b>	<b>222</b>
Ann Arbor, MI	PMSA	578,736	0.126	0.077	0.005	0.005	110
<i>Livingston Co.</i>	<i>County</i>	<i>156,951</i>	<i>0.182</i>	<i>0.102</i>	<i>0.030</i>	<i>0.035</i>	<i>227</i>
<i>Washtenaw Co.</i>	<i>County</i>	<i>322,895</i>	<i>0.197</i>	<i>0.094</i>	<i>-0.009</i>	<i>0.004</i>	<i>500</i>
Ann Arbor	PUMA	114,024	0.335	0.085	-0.025	0.034	501
Ypsilanti/Saline/Pittsfield Twp.	PUMA	208,871	0.121	0.099	0.000	-0.013	1018
<i>Lenawee Co.</i>	<i>County</i>	<i>98,890</i>	<i>-0.191</i>	<i>-0.016</i>	<i>0.011</i>	<i>-0.039</i>	<i>1375</i>
Detroit, MI	PMSA	4,441,551	0.028	0.131	0.006	-0.051	285
<i>Oakland Co.</i>	<i>County</i>	<i>1,194,156</i>	<i>0.257</i>	<i>0.151</i>	<i>0.010</i>	<i>0.012</i>	<i>424</i>
<i>St. Clair &amp; Lapeer Co.</i>	<i>County</i>	<i>87,904</i>	<i>-0.048</i>	<i>0.050</i>	<i>0.029</i>	<i>-0.011</i>	<i>731</i>
<i>Macomb Co.</i>	<i>County</i>	<i>788,149</i>	<i>0.088</i>	<i>0.135</i>	<i>0.010</i>	<i>-0.031</i>	<i>1134</i>
<i>Monroe Co.</i>	<i>County</i>	<i>145,945</i>	<i>-0.035</i>	<i>0.071</i>	<i>0.009</i>	<i>-0.037</i>	<i>1318</i>
<i>Wayne Co.</i>	<i>County</i>	<i>2,061,162</i>	<i>-0.114</i>	<i>0.132</i>	<i>-0.001</i>	<i>-0.102</i>	<i>3048</i>
Flint, MI	PMSA	436,141	-0.237	0.064	0.013	-0.091	367

Units of geography are MSA, PMSA, County, and PUMA. MSAs that contain several PMSAs, are also called "CMSAs". The PMSA ranking also includes MSAs that do not contain PMSAs. Counties may be larger, equal to, or smaller than PUMAs. Only some sub-geographies are shown; the rest are contained in Appendix Table A1. The rankings in column 6 are different for each type of geography, and are indented at the same levels as the names. There are 3081 counties, 2071 PUMAs, 373 PMSA or PMSA-equivalents, and 327 MSAs or MSA-equivalents, in the sample. See Table 1 for greater detail.

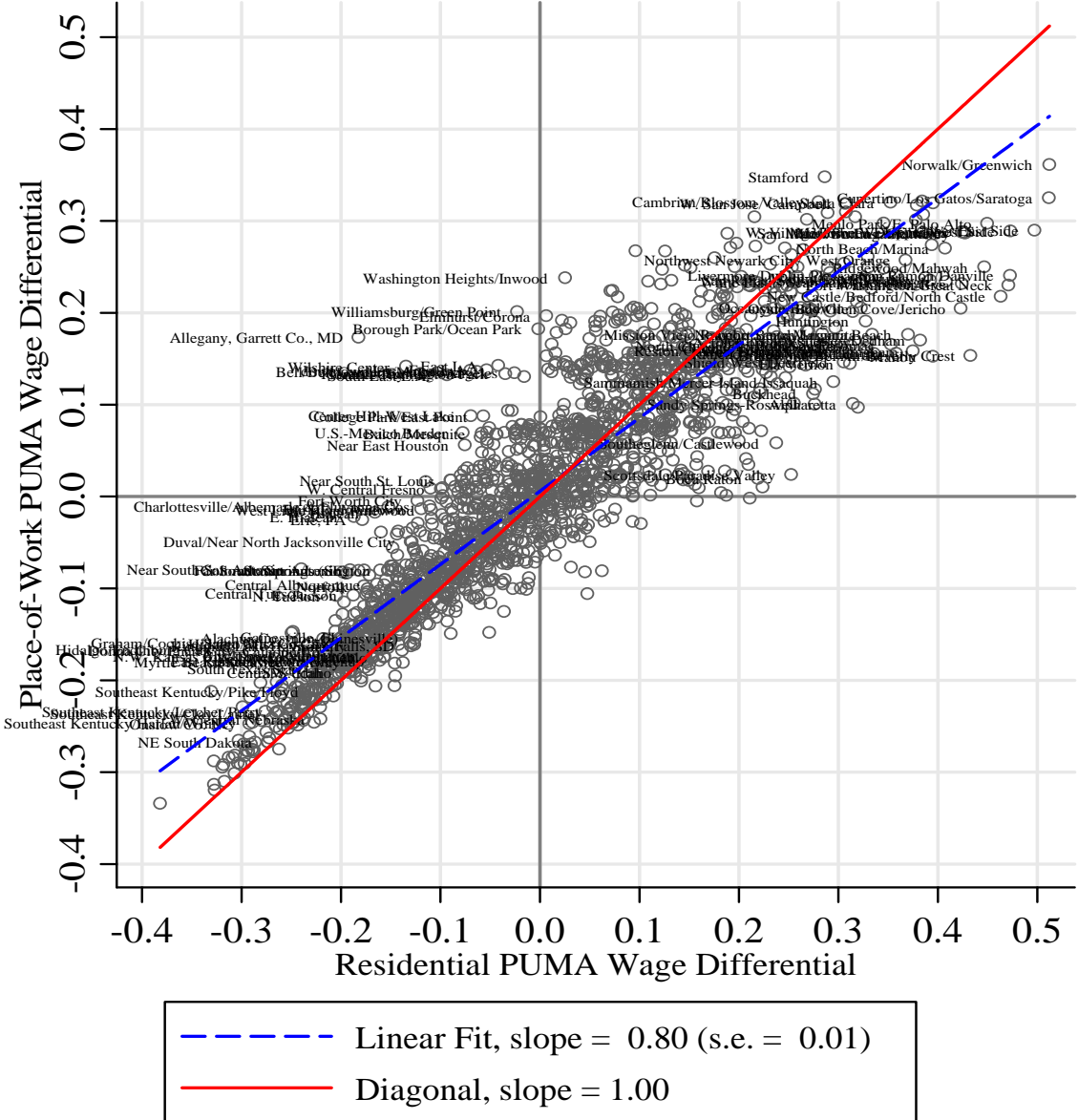
TABLE 4: HEDONIC ESTIMATES OF THE VALUE OF INDIVIDUAL AMENITIES

Dependent Variables	No Regional Controls				Within CMSA
	QOL (1)	Hous. Cost (2)	Wages (3)	Comm Cost (4)	Adj QOL (5)
Minus 1000s of Heating Degree Days, 65F base (mean = 4.50, sd = 2.25)	0.017*** (0.001)	0.028*** (0.002)	0.093*** (0.005)	0.003*** (0.000)	0.028*** (0.004)
Minus 1000s of Cooling Degree Days, 65F base (mean = 1.25, sd = 0.91)	0.034*** (0.002)	0.070*** (0.004)	0.212*** (0.011)	0.005*** (0.001)	0.052*** (0.007)
Sunshine, percent possible (mean = 0.060, sd = 0.078)	0.125*** (0.019)	0.323*** (0.035)	1.041*** (0.091)	-0.030*** (0.006)	-0.086 (0.092)
Inverse distance to coast (mean = 0.71, sd = 0.14)	0.090*** (0.015)	0.138*** (0.014)	0.491*** (0.061)	0.010*** (0.003)	0.010 (0.016)
Average Slope of Land, in percent (mean = 1.80, sd = 2.22)	0.630*** (0.059)	-0.102 (0.123)	1.641*** (0.295)	0.079*** (0.022)	0.859*** (0.093)
Minus Murder Rate per 1,000 (mean = 0.05, sd = 0.053)	0.168*** (0.030)	-0.289*** (0.035)	0.114 (0.123)	-0.011* (0.007)	0.266*** (0.028)
Restaurants and Bars per Thousand (mean = 1.71, sd = 0.28)	0.025*** (0.003)	-0.028*** (0.005)	0.093*** (0.015)	-0.018*** (0.001)	0.022*** (0.004)
Public School Revenues per Student, \$10,000s (mean = 0.50, sd = 0.13)	0.071*** (0.009)	0.482*** (0.013)	0.900*** (0.038)	0.038*** (0.003)	0.063*** (0.019)
R-squared	0.40	0.55	0.54	0.26	0.63
Number of Observations	1948	1948	1948	1948	1948

Robust standard errors shown in parentheses. \* p<0.1, \*\* p<0.05, \*\*\* p<0.01. Regressions weighted by population. Variables are described in the Appendix.

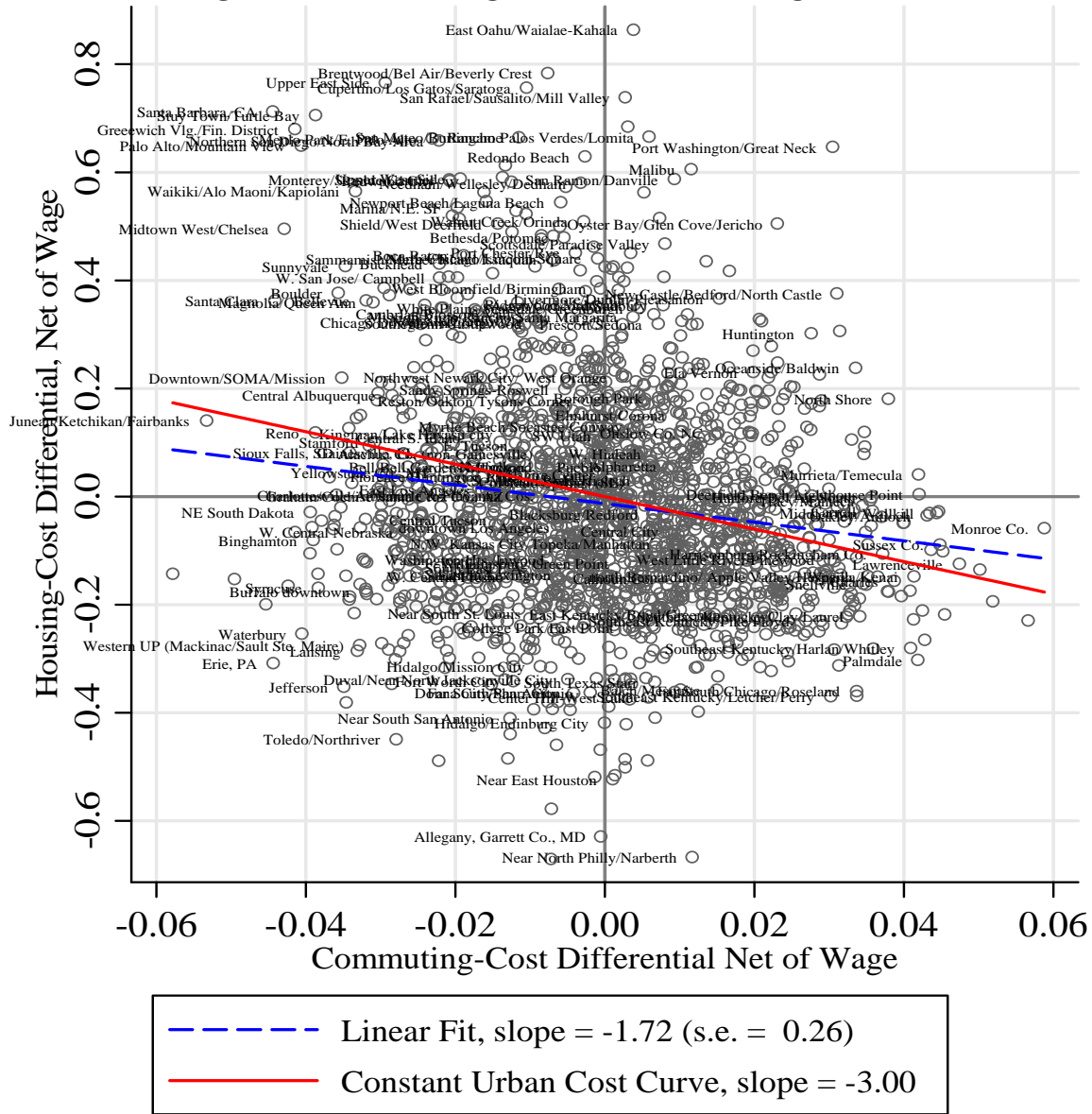


Figure 1: Wages Estimated by Workplace or by Residence



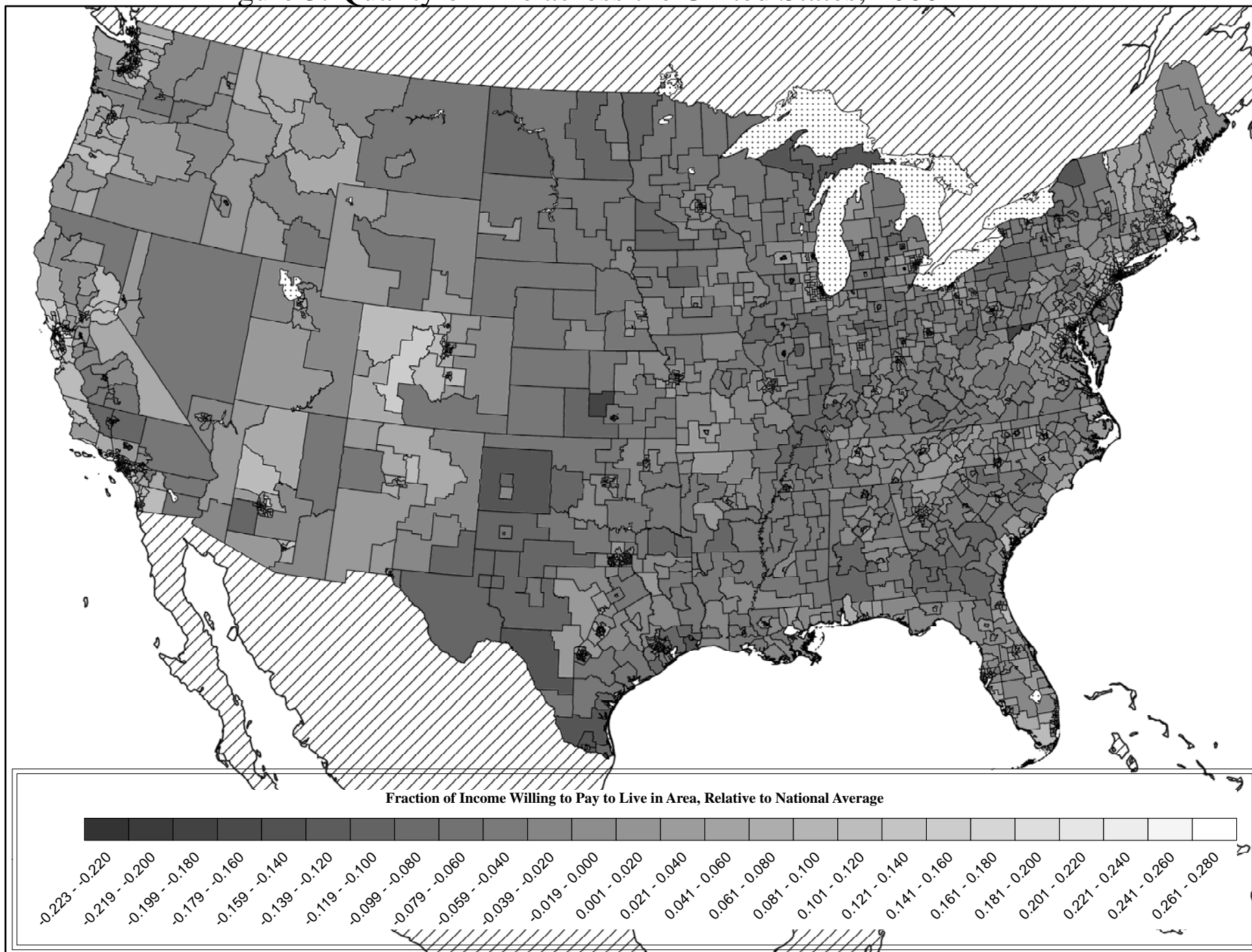
Unit of observation is the residential PUMA.

Figure 2: Housing and Commuting Costs



Housing and commuting-cost differentials are residuals from separate regressions on workplace wages. Nome/Other Alaska left out of scatter plot.

Figure 3: Quality of Life across the United States, 2000



# Figure 4A: Quality of Life in the San Francisco Bay Area, 2000

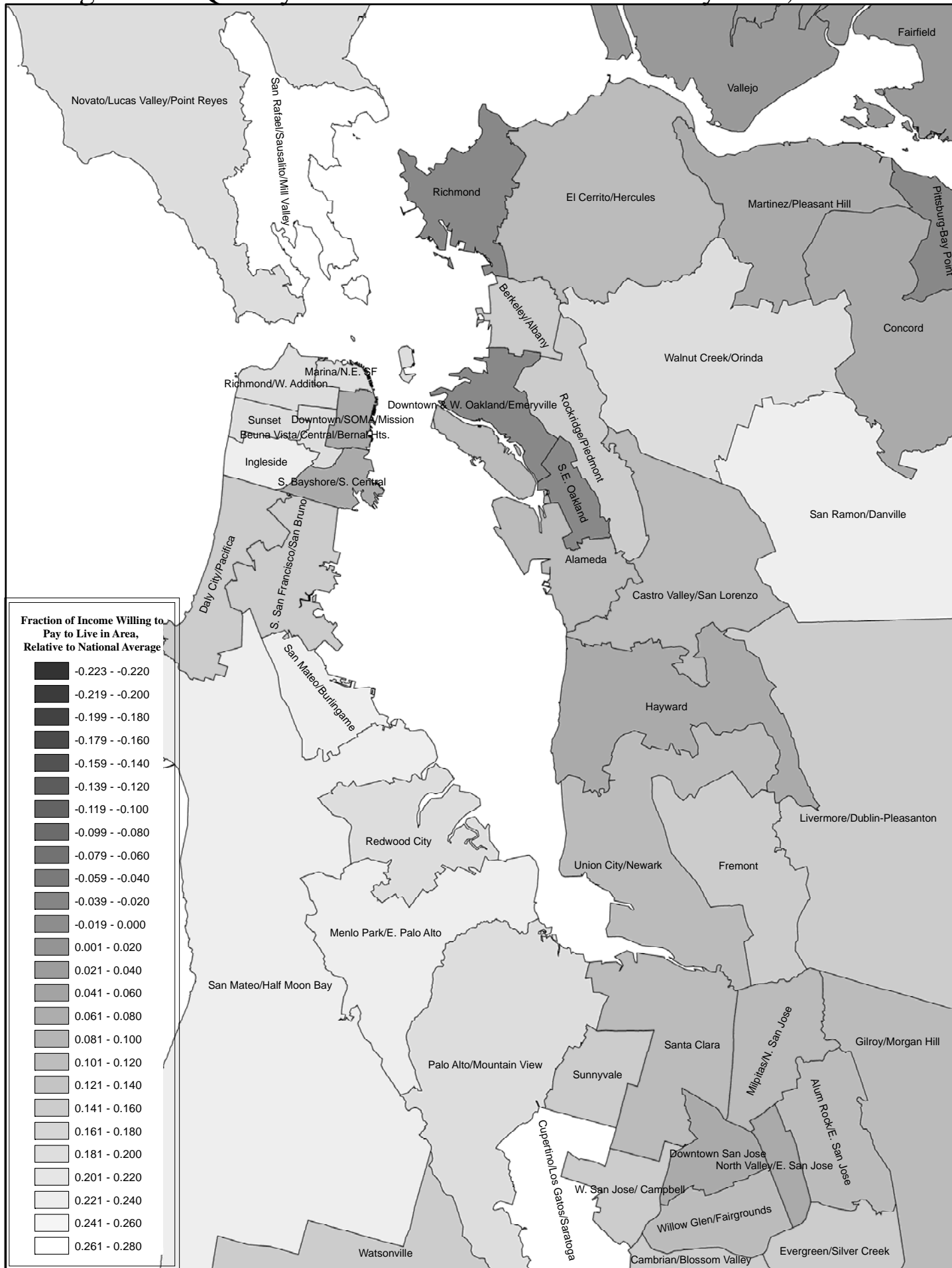


Figure 4B: Quality of Life in the New York City Area, 2000

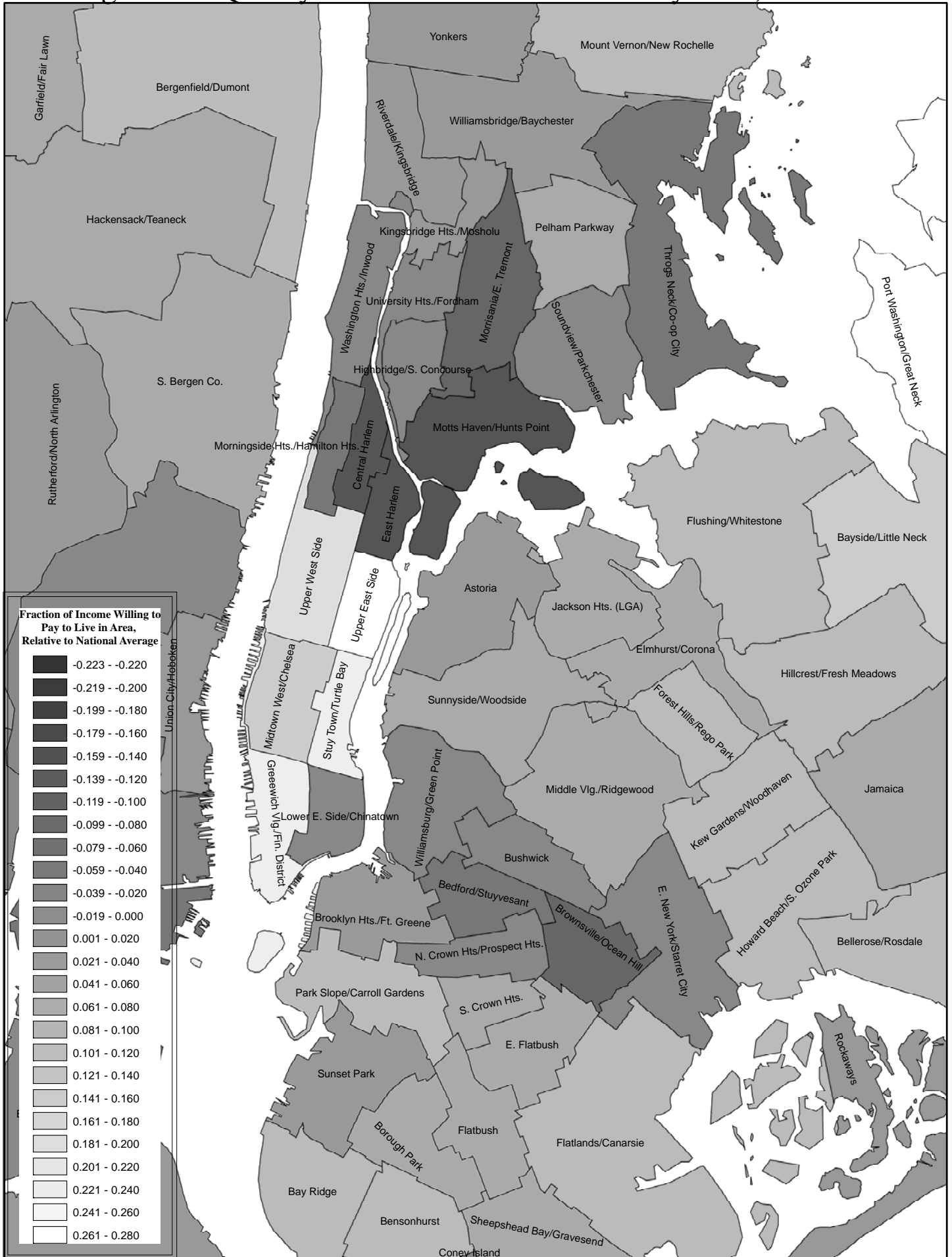


Figure 4C: Quality of Life in Detroit and Southeast Michigan, 2000

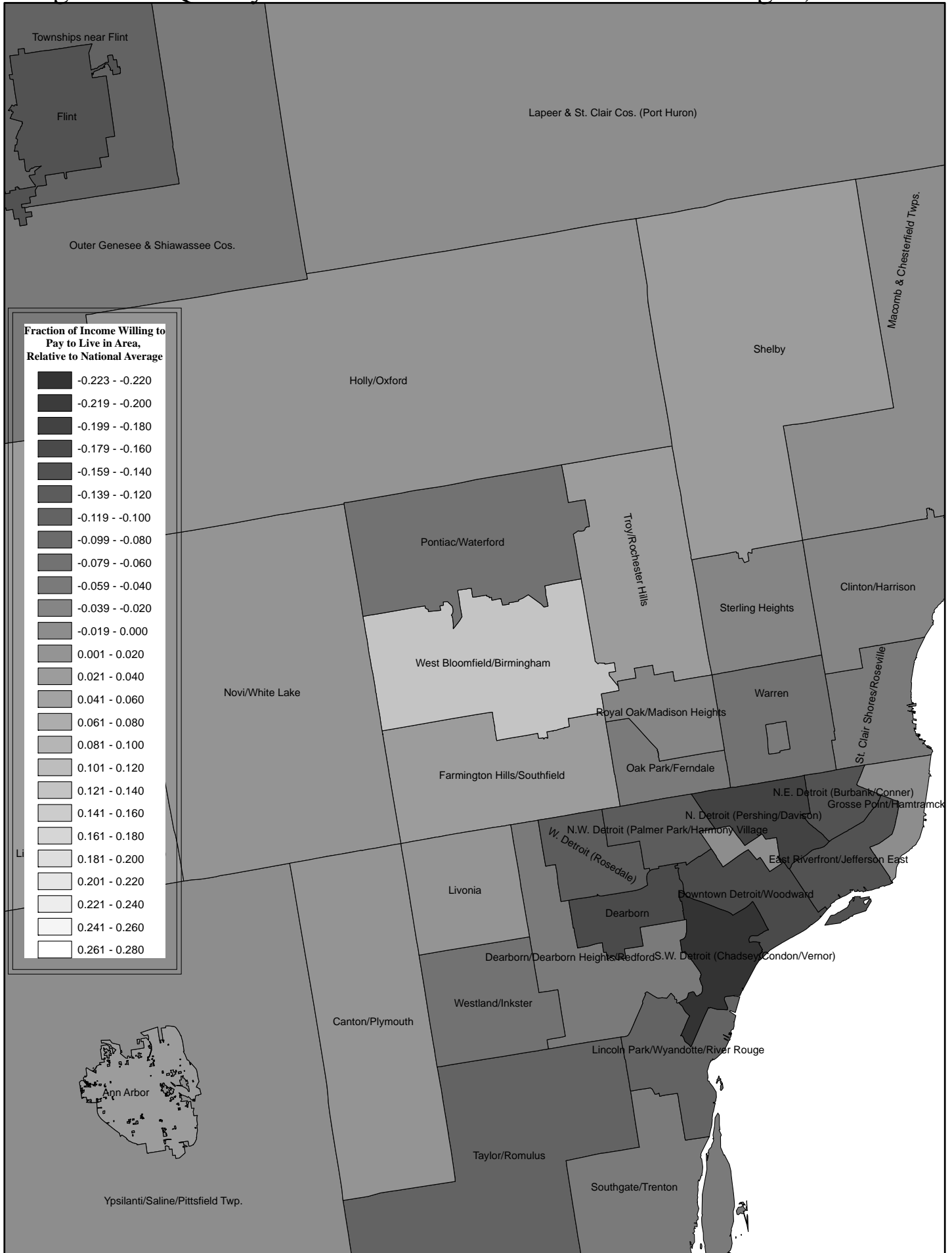
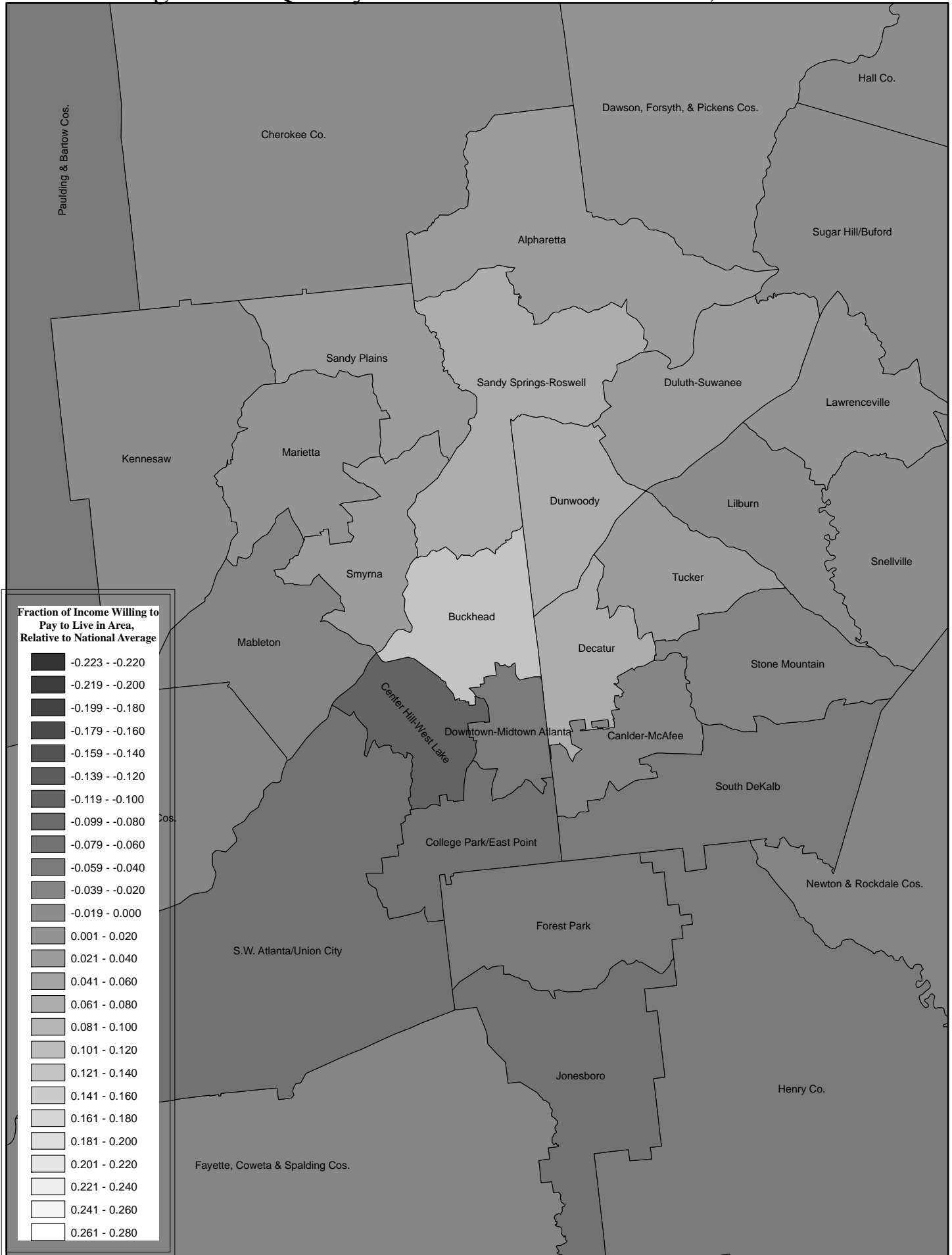


Figure 4D: Quality of Life in the Atlanta Area, 2000



# Appendix - Not for Publication

## A Wage, Housing-Cost, and Commuting-Cost Data and Estimation

United States Census data from the 2000 Integrated Public-Use Microdata Series (IPUMS), from Ruggles et al. (2004), are used to calculate wage, housing-price, and commuting-time differentials. The wage differentials are calculated for workers ages 25 to 55, who report working at least 30 hours a week, 26 weeks a year. The wage differentials are found by regressing log hourly wages on individual covariates and indicators for which PWPUMA a worker works in, using the coefficients on these indicators. The covariates consist of

- 12 indicators of educational attainment;
- a quartic in potential experience, and potential experience interacted with years of education;
- 9 indicators of industry at the one-digit level (1950 classification);
- 9 indicators of occupation at the one-digit level (1950 classification);
- 4 indicators of marital status (married, divorced, widowed, separated);
- an indicator for veteran status, and veteran status interacted with age;
- 5 indicators of minority status (Black, Hispanic, Asian, Native American, and other);
- an indicator of immigrant status, years since immigration, and immigrant status interacted with black, Hispanic, Asian, and other;
- 2 indicators for English proficiency (none or poor).

All covariates are interacted with gender.

This regression is first run using census-person weights. From the regressions a predicted wage is calculated using individual characteristics alone, controlling for PWPUMA, to form a new weight equal to the predicted wage times the census-person weight. These new income-adjusted weights are used so workers can be weighted by their income share. The new weights are then used in a second regression, which is used to calculate the PUMA wage differentials from the PWPUMA indicator variables. In practice, this weighting procedure has only a small effect on the estimated wage differentials.

Housing-price differentials are calculated using the logarithm of reported gross rents and housing values. Only housing units moved into within the last 10 years are included in the sample to ensure that the price data are fairly accurate. The differential housing price of an PUMA is calculated in a manner similar to wages, using a regression of the actual or imputed rent on a set of covariates at the unit level. The covariates for the adjusted differential are

- 9 indicators of building size;



- 9 indicators for the number of rooms, 5 indicators for the number of bedrooms, number of rooms interacted with number of bedrooms, and the number of household members per room;
- 2 indicators for lot size;
- 7 indicators for when the building was built;
- 2 indicators for complete plumbing and kitchen facilities;
- an indicator for commercial use;
- an indicator for condominium status (owned units only).

A regression of housing values on housing characteristics and PUMA indicator variables is first run using only owner-occupied units, weighting by census-housing weights. A new value-adjusted weight is calculated by multiplying the census-housing weights by the predicted value from this first regression using housing characteristics alone, controlling for PUMA. A second regression is run using these new weights for all units, rented and owner-occupied, on the housing characteristics fully interacted with tenure, along with the PUMA indicators, which are not interacted. The house-price differentials are taken from the PUMA indicator variables in this second regression. As with the wage differentials, this adjusted weighting method has only a small impact on the measured price differentials.

Commuting Time differentials are calculated using in a similar manner. The sample restriction is the same as that used for the wage differential calculation, except that in addition, individuals with missing commute time are dropped from the sample. The individual covariates for the commute time regression contain the same covariates used in the wage regression, including these additional variables:

- 7 indicators for number of children;
- 7 indicators for number of children under the age of 6;
- 1 indicator for self-employment status;
- 6 indicators for the relationship to the household head (spouse, child, sibling, etc.).

The commute time regression is run using the same income adjusted weights as the wage regression to calculate PUMA commute-time differentials from the coefficients of the PUMA indicator variables. As before, this adjusted weighting method has a only a small impact on the measured commute-time differentials.

Commuting mode proportions are estimated for all PUMAs using a linear probability model with US Census Data. Mode of transportation to work is split into four broad categories; travel to work by own automobile, carpool, public transportation, and a no-cost method. The public transportation category includes bus, streetcar, rail, subway, and ferry. The no-cost methods are working from home, walking, biking, and other. Binary variables for these four categories are separately regressed on 2071 PUMA dummies and the following variables interacted with gender:

- age ;
- 12 indicators for educational attainment;
- 4 indicators of marital status (married, divorced, widowed separated);
- 7 indicators for number of children;

The resulting estimated probabilities fall between 0 and 1 except for 7 PUMAs, all in Texas, where the estimated probability of public transportation was slightly negative (the smallest value is -.002). These values were set to zero and the other three categories were scaled up proportionally so that for every PUMA the proportions of the four transportation modes were non-negative and summed to one. To create the share of income spent on commuting by PUMA, these estimated proportions for transportation mode by PUMA were used with values of the median share of income spent on commuting reported by the Bureau of Transportation Statistics based on SIPP data. This value is 4.9% for car users and 3.3% for public transportation users. To calculate costs of carpooling, the national average value of income spent on commuting by automobile is divided by the national average number of carpoolers conditional on carpooling. This assumes that all members of a carpool share the cost of commuting equally. The direct cost of commuting for working from home, walking, biking, and other is assumed to be zero.

## B Amenity Data

**Heating and cooling degree days** are measurements used to estimate amounts of energy required to maintain comfortable indoor temperature levels. Daily values are computed from each day's mean temperature ( $\frac{max+min}{2}$ ). Daily heating degree day values are equal to  $\max\{0, 65 - meantemp\}$  and daily cooling degree day values are  $\max\{0, meantemp - 65\}$ . Annual degree days are the sum of daily degree day values over the year. The data here refer to averages from 1970 to 2000 (National Climactic Data Center 2008).

**Sunshine** is measured as average percentage of possible. This data set contains information on sunshine as percent of possible sunshine received, by month, for 156 stations in the contiguous United States. The total time that sunshine reaches the surface of the earth is expressed as the percentage of the maximum amount possible from sunrise to sunset with clear sky conditions. (National Climactic Data Center 2008)

**Inverse Distance to Coast** is equal to one over the distance in miles from the population-weighted centroid of the PUMA to the nearest coastline of an Ocean or Great Lake. Coded by author.

**Average Slope of Land** measures the average slope of the land according to census tract data. We used high-resolution elevation data from the Global 30 Arc Second Elevation Data (GTOPO30) digital elevation model (DEM) available from the United States Geological Survey. These data are set on a high resolution grid of roughly 11 kilometers. We mapped the girded elevation data to our PUMA geography averaging the value of all grid points falling within the boundary of each geography. The slope is computed using the average maximum technique, where the slope at each grid point is the maximum rate of change of

elevation from that grid point to its eight neighbors. Due to the high resolution of the data, all geographic units had at least one grid falling inside its boundary. (United States Geological Survey)

**Murder Rate** is the average number of murders per 1,000 inhabitants. It is reported at the county level. (FBI 2000 Uniform Crime Reports)

**Bars and restaurants** data are the number of establishments classified as eating and drinking places, NAICS 722. (County Business Patterns 2000).

**School Revenues per Student** data is at the county level and applies to public schools. (2000 Common Core)

## C Additional Tax Details

### C.1 Tax Advantages for Housing and Local Taxes

Tax advantages for owner-occupied housing are modeled by allowing households to deduct a fraction  $\delta \in [0, 1]$  of home-good expenditures,  $py$ , from their federal income taxes, so that taxes paid are  $\tau(m^j - \delta p^j y)$ .  $\delta$  should be less than 1 as these advantages do not apply to certain taxes (e.g. payroll) or to certain home goods, such as haircuts or restaurant meals. Nor are these advantages available to all workers: many renters and home-owners do not itemize deductions for mortgage interest or local taxes. Ignoring for now commuting and leisure, incorporating the home-good deduction into the income tax,  $\tau(m - \delta py)$ , changes the expenditure function to  $e(p, u, \tau(m - \delta py); Q) \equiv \min_{x,y} \{x + py + \tau(m - \delta py) : U(x, y; Q) \geq u\}$ . Differentiating the mobility condition and using the envelope theorem yields the log-linearized mobility condition

$$\hat{Q}^j = (1 - \delta\tau') s_y \hat{p}^j - (1 - \tau') s_w \hat{w}^j \quad (\text{A.1})$$

which replaces (8). As calibrated in Albouy (2008), this reduces the weight on  $\hat{p}^j$  from 0.36 to 0.33.

### C.2 Including State Tax Differences

Differences in within-state tax burdens are worth considering as wages and prices can often vary significantly within a state, while state services largely do not. State-tax differentials are computed by multiplying state tax and deduction rates by the wage and price differentials within state

$$d\tau'_S/m = \tau'_S [s_w (\hat{w}^j - \hat{w}^S) - \delta_S s_y (\hat{p}^j - \hat{p}^S)] \quad (\text{A.2})$$

where  $\tau'_S$  and  $\delta_S$  are marginal tax and deduction rates at the state-level, net of federal deductions, and  $\hat{w}^S$  and  $\hat{p}^S$  are the differentials for state  $S$  as a whole relative to the entire country. These state tax rates should incorporate sales as well as income taxes, since sales taxes reduce the buying power of labor income. This tax differential may be added to (A.1) above to determine local quality of life.

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
15	00303 East Oahu/Waialae-Kahala, HI	102,724	0.936	-0.006	0.003	0.291	1
6	01202 San Rafael/Sausalito/Mill Valley, CA	146,373	1.196	0.235	0.018	0.264	2
6	05410 Brentwood/Bel Air/Beverly Crest, CA	156,616	1.110	0.153	0.002	0.263	3
6	02707 Cupertino/Los Gatos/Saratoga, CA	126,866	1.364	0.325	0.010	0.263	4
36	04201 Port Washington/Great Neck, NY	110,327	1.087	0.230	0.045	0.261	5
36	03805 Upper East Side, NY	217,063	1.316	0.290	-0.011	0.244	6
6	06121 Rancho Palos Verdes/Lomita, CA	100,797	0.986	0.156	0.016	0.238	7
15	00302 Kaneohe/Kailua, HI	117,994	0.738	-0.007	0.002	0.230	8
6	02303 San Mateo/Burlingame, CA	100,602	1.201	0.287	0.007	0.228	9
6	06126 Malibu, CA	108,804	0.914	0.153	0.021	0.223	10
6	02105 San Ramon/Danville, CA	111,307	1.039	0.241	0.025	0.220	11
6	06122 Redondo Beach, CA	131,712	0.946	0.156	0.007	0.217	12
6	02306 Menlo Park/E. Palo Alto, CA	114,833	1.215	0.297	-0.004	0.217	13
36	03808 Stuy Town/Turtle Bay, NY	143,441	1.244	0.287	-0.020	0.215	14
6	02206 Ingleside, CA	105,194	1.104	0.263	0.004	0.208	15
36	04202 Oyster Bay/Glen Cove/Jericho, NY	114,185	0.890	0.205	0.036	0.204	16
36	03810 Greeewich Vlg./Fin. District, NY	125,567	1.218	0.288	-0.023	0.204	17
6	08110 Northern San Diego/North Bay Area, CA	125,132	0.838	0.071	-0.018	0.202	18
25	02600 Needham/Wellesley/Dedham, MA	104,071	0.916	0.170	0.007	0.201	19
6	02304 San Mateo/Half Moon Bay, CA	114,773	1.128	0.298	0.007	0.201	20
6	06702 Santa Barbara, CA, CA	201,002	0.911	0.080	-0.040	0.198	21
6	08113 Carlsbad/Encinitas/Oceanside, CA	176,440	0.738	0.074	0.010	0.197	22
6	02701 Palo Alto/Mountain View, CA	184,797	1.237	0.320	-0.020	0.196	23
36	03806 Upper West Side, NY	192,213	1.120	0.289	-0.001	0.195	24
25	03400 Newton/Brookline, MA	140,936	0.928	0.170	-0.003	0.194	25
6	01201 Novato/Lucas Valley/Point Reyes, CA	100,916	0.942	0.230	0.022	0.194	26
6	02305 Redwood City, CA	124,010	1.135	0.301	-0.001	0.193	27
6	02205 Sunset, CA	105,532	1.065	0.272	0.001	0.189	28
6	07607 Newport Beach/Laguna Beach, CA	195,698	0.887	0.176	0.005	0.187	29
15	00306 Pearl City/Waimalu/W. Honolulu, HI	144,481	0.615	-0.008	-0.006	0.185	30
6	02204 Beuna Vista/Central/Bernal Hts., CA	109,355	1.044	0.271	0.001	0.184	31
6	02104 Walnut Creek/Orinda, CA	149,173	0.950	0.238	0.012	0.182	32
6	03001 Monterey/Seaside/Carmel, CA	130,206	0.792	0.091	-0.015	0.180	33
11	00101 Northwest DC/Georgetown, DC	101,578	0.881	0.184	0.000	0.176	34
6	02202 Marina/N.E. SF, CA	107,285	1.030	0.270	-0.002	0.176	35
6	06125 Santa Monica/Beverly Hills/Culver City, CA	218,389	0.823	0.152	-0.001	0.173	36
6	02801 Santa Cruz/Capitola, CA	122,562	0.813	0.161	0.004	0.171	37
36	03501 New Castle/Bedford/North Castle, NY	127,008	0.770	0.218	0.045	0.170	38
6	02201 Richmond/W. Addition, CA	136,975	0.964	0.269	0.009	0.168	39
4	00105 Scottsdale/Paradise Valley, AZ	152,743	0.552	0.024	0.009	0.165	40
6	02712 Santa Teresa/Almacen Valley, CA	103,304	0.993	0.322	0.024	0.165	41
24	01004 Bethesda/Potomac, MD	167,708	0.797	0.166	0.005	0.165	42
17	03301 Shield/West Deerfield, IL	109,714	0.794	0.146	-0.005	0.163	43
6	07601 Laguna Niguel/Dana Point, CA	172,917	0.781	0.167	0.009	0.163	44
6	05411 Westwood/West L.A., CA	194,388	0.819	0.152	-0.011	0.162	45
6	05420 Westchester/Playa Del Rey, CA	114,788	0.776	0.150	0.001	0.162	46
36	03504 Port Chester/Rye, NY	111,956	0.875	0.232	0.011	0.161	47
6	02403 Rockridge/Piedmont, CA	125,518	0.860	0.240	0.016	0.158	48
6	08112 Northeastern San Diego/ Poway City, CA	164,234	0.608	0.070	0.008	0.158	49
17	03502 North Chicago/Lincoln Square, IL	159,137	0.753	0.164	0.009	0.156	50
15	00307 Waipahu/Mililani/Ewa, HI	178,534	0.448	-0.006	0.016	0.155	51
6	08111 Miramar/Marine Corps Air Station, CA	139,299	0.651	0.070	-0.008	0.155	52
15	00304 Waikiki/Alo Maoni/Kapiolani, HI	109,509	0.610	-0.005	-0.034	0.154	53
12	04014 Coral Gables/Coral Terrace, FL	111,491	0.520	-0.005	-0.008	0.153	54
6	02410 Livermore/Dublin-Pleasanton, CA	171,652	0.797	0.241	0.031	0.153	55
6	02409 Fremont, CA	181,534	0.866	0.261	0.019	0.152	56
6	02802 Watsonville, CA	133,040	0.732	0.164	0.011	0.152	57
4	00203 Catalina Foothills, AZ	101,880	0.302	-0.106	0.006	0.151	58
17	03405 Niles/Evanston, IL	233,593	0.709	0.148	0.009	0.151	59
6	01101 Sonoma/Healdsburg/Windsor, CA	177,541	0.637	0.117	0.015	0.151	60
8	00700 Aspen/Montrose, CO	119,652	0.503	-0.036	-0.022	0.149	61
6	05600 Torrance, CA	137,946	0.736	0.157	0.003	0.149	62
6	06500 Thousand Oaks, CA	117,005	0.714	0.164	0.012	0.147	63
53	02003 Sammamish/Mercer Island/Issaquah, WA	105,794	0.688	0.125	0.001	0.147	64
36	04205 Elmont/Franklin Square, NY	112,145	0.670	0.203	0.044	0.146	65
6	06102 Altadena/Monrovia, CA	142,241	0.706	0.151	0.006	0.146	66
36	04212 Long Beach City/East Rockaway, NY	106,665	0.698	0.206	0.034	0.143	67

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
6	06104 Arcadia/San Gabriel/Temple City, CA	172,377	0.679	0.147	0.008	0.141	68
36	03807 Midtown West/Chelsea, NY	122,241	1.016	0.288	-0.024	0.141	69
36	04301 Huntington, NY	195,289	0.645	0.191	0.040	0.140	70
6	07200 Huntington Beach, CA	189,594	0.692	0.166	0.012	0.140	71
34	00306 Ridgewood/Mahwah, NJ	149,360	0.801	0.250	0.020	0.138	72
26	02505 West Bloomfield/Birmingham, MI	149,494	0.682	0.158	0.009	0.138	73
25	01400 Acton/Concord/Sudbury, MA	108,062	0.665	0.169	0.018	0.136	74
36	03503 White Plains/Scarsdale/Greenburgh, NY	157,664	0.768	0.234	0.020	0.136	75
6	02713 Evergreen/Silver Creek, CA	105,055	0.886	0.307	0.018	0.134	76
6	02708 W. San Jose/ Campbell, CA	126,838	0.969	0.319	-0.002	0.133	77
6	05408 Encino/Tarzana, CA	160,836	0.614	0.149	0.020	0.133	78
6	06602 Camarillo/Moorpark, CA	127,518	0.638	0.135	0.006	0.132	79
25	04700 Nantucket/Cape Cod, MA	102,574	0.468	0.001	-0.010	0.132	80
6	02301 Daly City/Pacific, CA	140,752	0.892	0.271	-0.004	0.132	81
6	05412 Westwood/West L.A., CA	164,698	0.697	0.149	-0.006	0.132	82
6	05703 Long Beach, CA	125,831	0.685	0.161	0.004	0.132	83
36	04204 Mineola/New Hyde Park/Westbury, NY	112,284	0.693	0.205	0.023	0.132	84
12	03507 Boca Raton, FL	105,032	0.521	0.020	-0.018	0.131	85
13	01103 Buckhead, GA	107,185	0.656	0.112	-0.015	0.128	86
15	00301 West Oahu/Midway Islands, HI	113,560	0.349	-0.004	0.020	0.128	87
6	05401 Chatsworth/Northridge, CA	162,235	0.618	0.151	0.016	0.128	88
36	04104 Bayside/Little Neck, NY	116,749	0.638	0.203	0.035	0.128	89
6	02702 Sunnyvale, CA	135,615	0.989	0.317	-0.014	0.128	90
36	04210 Oceanside/Baldwin, NY	104,950	0.599	0.205	0.047	0.126	91
6	07602 Mission Viejo/Rancho Santa Margarita, CA	168,193	0.655	0.177	0.015	0.126	92
6	05409 Woodland Hills, CA	150,282	0.630	0.149	0.008	0.125	93
6	02711 Cambrian/Blossom Valley, CA	100,883	0.899	0.321	0.012	0.125	94
6	02302 S. San Francisco/San Bruno, CA	112,191	0.873	0.281	0.000	0.124	95
9	02300 Norwalk/Greenwich, CT	236,473	0.951	0.361	0.014	0.123	96
12	04008 Miami Beach, FL	125,727	0.386	-0.006	0.001	0.121	97
6	02401 Berkeley/Albany, CA	119,187	0.731	0.231	0.014	0.120	98
25	03302 Central & East Boston/South End, MA	129,578	0.685	0.177	0.000	0.119	99
36	04209 Merrick/Bellmore, NY	105,890	0.610	0.206	0.036	0.119	100
6	02705 Alum Rock/E. San Jose, CA	104,767	0.872	0.302	0.004	0.118	101
17	03404 Des Plaines, IL	220,200	0.585	0.144	0.011	0.118	102
12	04015 Kendall/Pinecrest/Sunset, FL	128,513	0.348	0.000	0.011	0.117	103
36	04208 Massapequa/Farmingdale, NY	102,330	0.578	0.201	0.041	0.117	104
25	02700 Waltham/Arlington/Watertown/Lexington, MA	189,150	0.702	0.172	-0.011	0.117	105
34	00305 Bergenfield/Dumont, NJ	178,406	0.718	0.254	0.025	0.116	106
36	04005 Park Slope/Carroll Gardens, NY	105,555	0.716	0.240	0.017	0.116	107
6	02710 Willow Glen/Fairgrounds, CA	143,990	0.877	0.309	0.003	0.115	108
15	00305 Downtown Honolulu, HI	109,354	0.435	-0.005	-0.020	0.115	109
6	04900 Glendale, CA	194,973	0.604	0.148	0.005	0.115	110
8	00801 W. of Denver (Golde/Evergreen), CO	107,466	0.395	0.061	0.023	0.113	111
8	00101 NW Colorado, CO	100,089	0.177	-0.105	0.005	0.112	112
36	03901 North Shore, NY	152,942	0.530	0.202	0.051	0.111	113
53	01802 University District/Lake City, WA	109,697	0.560	0.102	-0.009	0.110	114
6	02706 Gilroy/Morgan Hill, CA	102,115	0.770	0.310	0.031	0.110	115
25	03200 Cambridge, MA	101,355	0.711	0.175	-0.018	0.110	116
6	07300 Irvine, CA	143,072	0.692	0.190	-0.005	0.110	117
36	04203 Hicksville/Plainview/Bethpage, NY	104,032	0.594	0.202	0.029	0.109	118
6	02408 Union City/Newark, CA	130,230	0.712	0.249	0.017	0.109	119
6	04800 Burbank, CA	100,316	0.601	0.150	0.001	0.108	120
25	01100 Beverly/Salem/Marblehead, MA	120,286	0.504	0.123	0.016	0.108	121
6	08109 North San Diego/Montgomery Field, CA	230,212	0.516	0.069	-0.016	0.107	122
36	04302 Smithtown, NY	115,715	0.539	0.181	0.033	0.107	123
6	07603 Lake Forest/Tustin, CA	187,462	0.635	0.174	0.000	0.106	124
53	00200 San Juan/Skagit, WA, WA	188,614	0.250	-0.046	0.007	0.106	125
6	01102 Petaluma, CA	115,251	0.532	0.152	0.020	0.106	126
17	03305 Ela/Vernon, IL	105,043	0.490	0.145	0.029	0.106	127
25	03500 Norwood/Walpole/Medfield, MA	105,669	0.528	0.158	0.023	0.105	128
17	03510 Chicago Downtown/Loop, IL	145,127	0.620	0.162	-0.003	0.104	129
53	01804 Capitol Hill/Central Seattle/Rainier Valley, WA	102,596	0.543	0.102	-0.011	0.103	130
6	05000 Pasadena, CA	133,936	0.592	0.150	-0.002	0.103	131
25	03900 Weymouth/Hingham/Scituate, MA	150,643	0.476	0.154	0.035	0.103	132
51	00100 Arlington, VA, VA	189,453	0.608	0.162	-0.001	0.103	133
6	06300 San Buenaventura (Ventura), CA	100,916	0.515	0.105	-0.002	0.102	134

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
53	02002 Redmond/Kirkland/Inglewood-Finn Hill, WA	134,454	0.590	0.123	-0.016	0.102	135
4	00500 Prescott/Sedona, AZ	167,517	0.057	-0.178	-0.005	0.102	136
8	00811 Southglenn/Castlewood, CO	102,959	0.448	0.058	-0.005	0.102	137
53	01801 Ballard, WA	126,999	0.533	0.101	-0.011	0.101	138
6	07605 Buena Park/Cypress/Seal Beach, CA	188,133	0.528	0.157	0.018	0.100	139
36	04105 Queens Village/JFK Airport, NY	196,428	0.509	0.191	0.041	0.100	140
12	03701 Naples/Naples Park/Pelican Bay, FL	123,148	0.389	-0.019	-0.028	0.100	141
6	07604 Yorba Linda/La Habra/Placentia, CA	205,563	0.552	0.157	0.010	0.100	142
36	03502 Cortlandt/Mt. Pleasant/Ossining, NY	140,663	0.585	0.226	0.035	0.099	143
36	04009 Flatlands/Canarsie, NY	194,836	0.504	0.180	0.035	0.099	144
6	08101 West San Diego City/Harbor Area, CA	241,025	0.498	0.070	-0.018	0.099	145
25	02800 Woburn/Melrose/Stoneham/Winchester, MA	107,421	0.578	0.161	0.003	0.099	146
6	06400 Simi Valley, CA	111,351	0.503	0.138	0.015	0.098	147
36	04108 Forest Hills/Rego Park, NY	113,422	0.591	0.228	0.033	0.098	148
42	04006 *Montgomery Co. (Norristown), PA - Pt. 6	105,308	0.526	0.117	-0.004	0.098	149
6	02405 Alameda, CA	156,293	0.655	0.230	0.014	0.098	150
45	01900 Hilton Head Island/Beaufort, SC	141,615	0.152	-0.125	-0.012	0.097	151
36	04211 Valley Stream/Lynbrook, NY	106,500	0.516	0.202	0.042	0.097	152
6	02703 Santa Clara, CA	108,439	0.924	0.320	-0.024	0.097	153
53	01900 Bellevue, WA	109,569	0.610	0.129	-0.024	0.097	154
6	06802 Central and east Anaheim, CA	137,014	0.540	0.157	0.012	0.097	155
36	04103 Flushing/Whitestone, NY	243,690	0.573	0.197	0.021	0.097	156
25	03301 Allston/Brighton, MA	105,352	0.566	0.172	0.010	0.096	157
15	00100 Maui/Kalawao/Kauai, HI	186,704	0.431	0.014	-0.028	0.096	158
35	00400 Santa Fe, NM	147,635	0.246	-0.070	-0.015	0.096	159
36	04113 Howard Beach/S. Ozone Park, NY	128,079	0.498	0.183	0.035	0.095	160
6	07000 Fullerton, CA	126,003	0.553	0.156	0.005	0.095	161
53	01803 Magnolia/Queen Ann, WA	103,992	0.562	0.102	-0.025	0.095	162
45	02102 Mount Pleasant/Isle of Palms, SC	128,033	0.163	-0.100	-0.005	0.095	163
6	01000 Napa, CA	124,279	0.537	0.141	0.002	0.095	164
6	05900 Downey City, CA	107,323	0.511	0.141	0.010	0.095	165
12	04020 Key West/Key Largo/Marathon, FL	106,855	0.379	-0.002	-0.022	0.094	166
6	06108 Diamond Bar/Roland Heights, CA	110,972	0.460	0.143	0.026	0.094	167
8	00901 Black Forest/Fort Carson/Air Force Academy, CO	102,268	0.134	-0.072	0.017	0.094	168
8	00803 Boulder, CO	107,227	0.509	0.059	-0.032	0.093	169
6	03702 San Luis Obispo/Pismo Beach, CA	128,754	0.446	0.042	-0.022	0.093	170
34	01403 Northwest Newark City/ West Orange, NJ	132,916	0.666	0.257	0.019	0.093	171
6	02704 Milpitas/N. San Jose, CA	123,403	0.818	0.304	-0.004	0.092	172
25	01000 Peabody/Danvers/Lynnfield, MA	111,523	0.484	0.123	0.006	0.092	173
6	05413 Hollywood, CA	233,983	0.519	0.145	0.006	0.092	174
6	01601 *Placer Co. (Roseville), CA - Pt. 1	135,702	0.370	0.073	0.014	0.090	175
36	03505 Mount Vernon/New Rochelle, NY	183,747	0.607	0.212	0.011	0.090	176
6	01103 Santa Rosa, CA	165,822	0.483	0.112	-0.001	0.090	177
51	00200 Alexandria, VA, VA	128,283	0.524	0.152	0.006	0.090	178
36	04013 Bay Ridge, NY	119,871	0.560	0.199	0.019	0.090	179
36	03601 New City/Pearl River, NY	129,793	0.578	0.203	0.016	0.090	180
6	08103 Cleveland National Forest, CA	149,147	0.328	0.069	0.024	0.090	181
51	02801 N. Virginia Beach (Cape Henry/Ocean Park), VA	119,978	0.137	-0.109	-0.006	0.090	182
6	03701 Paso Robles/Morro Bay, CA	117,927	0.356	0.037	0.000	0.090	183
6	06900 Costa Mesa, CA	108,724	0.600	0.169	-0.009	0.089	184
29	01705 *St. Louis Co., MO - Pt. 5	119,318	0.402	0.027	-0.019	0.089	185
12	03901 Bonita Springs/San Carlos Park, FL	117,247	0.191	-0.082	-0.010	0.089	186
6	08115 Fallbrook/San Marcos/Vista, CA	208,114	0.390	0.072	0.006	0.089	187
53	02009 Cottage Lake/Covington/Maple Valley, WA	122,028	0.412	0.123	0.024	0.088	188
48	04604 *Harris Co. (Houston), TX - Pt. 4	131,899	0.426	0.071	-0.006	0.088	189
6	05800 West Covina, CA	105,080	0.417	0.138	0.030	0.087	190
53	01701 *Kitsap Co. (Bremerton), WA - Pt. 1	113,492	0.222	0.005	0.022	0.087	191
6	03002 Hollister/Soledad/Big Sur, CA	173,730	0.473	0.132	0.010	0.087	192
6	06118 Cerritos/Lakewood, CA	163,666	0.513	0.151	0.007	0.087	193
6	01700 El Dorado Co. (South Lake Tahoe), CA	156,299	0.306	0.052	0.020	0.087	194
36	03506 Putnam Co. (Carmel), NY	102,080	0.458	0.198	0.047	0.087	195
34	01504 *Morris Co. (Morristown), NJ - Pt. 4	114,364	0.723	0.274	0.004	0.087	196
6	05402 Grenada Hills/Sylmar, CA	126,845	0.497	0.145	0.008	0.087	197
41	01309 South Portland/Lake Oswego/Oregon City, OR	111,144	0.367	0.035	-0.008	0.087	198
6	04700 Danta Clarita, CA	151,088	0.430	0.146	0.029	0.086	199
25	04800 Barnstable, MA	144,163	0.296	-0.003	-0.006	0.086	200
41	00701 *Lane Co. (Eugene), OR - Pt. 1	109,575	0.075	-0.118	0.004	0.086	201

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
12	03605 Fort Lauderdale, FL	141,829	0.314	0.007	-0.006	0.086	202
8	00814 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 23	100,910	0.451	0.058	-0.022	0.086	203
6	06106 Claremont/Glendora/San Dimas, CA	163,104	0.456	0.141	0.017	0.086	204
36	04017 Bensonhurst, NY	171,778	0.501	0.198	0.032	0.086	205
39	00612 *Cuyahoga Co. (excl. Cleveland), OH - Pt. 8	102,210	0.352	0.029	-0.007	0.085	206
12	01200 *St. Johns/Putnam (St. Augustine) - Pt. 1	123,135	0.113	-0.088	0.006	0.085	207
53	01404 *Pierce Co. (Tacoma), WA - Pt. 5	108,857	0.203	0.009	0.028	0.085	208
48	05304 *Travis Co. (Austin), TX - Pt. 7	158,035	0.382	0.012	-0.025	0.085	209
25	01300 Wakefield/Reading/Burlington/Wilmington, MA	106,588	0.528	0.162	0.005	0.084	210
6	06103 Alhambra/South Pasadena, CA	110,116	0.492	0.146	0.007	0.084	211
41	01304 West Portland/Forest Park, OR	106,403	0.408	0.035	-0.023	0.084	212
25	00900 Gloucester/Newburyport, MA	107,977	0.411	0.099	0.008	0.084	213
6	06107 Walnut/Covina, CA	114,547	0.418	0.141	0.027	0.084	214
8	01000 Fairplay/Canon City, CO	100,968	0.001	-0.135	0.016	0.084	215
6	02102 El Cerrito/Hercules, CA	116,435	0.571	0.230	0.025	0.083	216
6	06110 Whittier/Hacienda Heights, CA	166,971	0.466	0.146	0.014	0.083	217
53	01003 *Snohomish Co. (Everett), WA - Pt. 3	101,485	0.365	0.095	0.019	0.083	218
6	00700 *random (Mendocino-Placerville) CA - Pt. 4	116,412	0.273	-0.004	-0.002	0.083	219
6	05407 Valley Village/Van Nuys, CA	159,064	0.453	0.144	0.017	0.083	220
36	03902 Mid-Island, NY	128,177	0.464	0.196	0.039	0.082	221
36	04111 Kew Gardens/Woodhaven, NY	143,120	0.493	0.190	0.027	0.082	222
6	08114 Escondido, CA	172,344	0.376	0.070	0.003	0.082	223
42	04201 *Delaware Co. (Chester), PA - Pt. 1	130,855	0.405	0.104	0.011	0.082	224
36	04106 Hillcrest/Fresh Meadows, NY	148,712	0.490	0.199	0.032	0.082	225
6	02406 Castro Valley/San Lorenzo, CA	130,433	0.604	0.233	0.013	0.081	226
6	07400 Orange, CA	128,919	0.526	0.165	0.003	0.081	227
53	02001 Shoreline/Kenmore/Bothell, WA	120,405	0.431	0.106	0.003	0.081	228
22	01901 *New Orleans surroundings, LA - Pt. 2	141,746	0.140	-0.073	0.001	0.080	229
36	04014 Borough Park, NY	158,548	0.501	0.182	0.019	0.080	230
12	04013 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 20	108,940	0.179	-0.008	0.020	0.079	231
41	01307 Clackamas, OR	104,245	0.232	0.033	0.025	0.079	232
12	04007 North Miami & Beach/Golden Glades, FL	128,514	0.208	-0.012	0.009	0.078	233
17	03401 Palatine/Barrington, IL	124,847	0.431	0.141	0.017	0.077	234
12	04011 Coconut Grove/Coral Way/West Flagler, FL	158,650	0.238	-0.012	-0.001	0.077	235
4	00205 Casas Adobes/Oro Valley, AZ	100,961	0.039	-0.108	0.010	0.076	236
34	01902 Westfield/Rahway, NJ, NJ	120,017	0.544	0.227	0.024	0.076	237
25	03800 Quincy/Milton, MA, MA	114,087	0.467	0.163	0.016	0.076	238
17	03204 Downers Grove, IL	148,110	0.446	0.153	0.017	0.076	239
6	02407 Hayward, CA	140,428	0.584	0.234	0.015	0.076	240
51	00301 McLean/Annandale/Falls Church, VA	208,328	0.493	0.159	0.005	0.076	241
17	03304 Fremont/Libertyville, IL	104,957	0.394	0.143	0.027	0.075	242
51	02802 Central Virginia Beach (Resort), VA	154,485	0.069	-0.112	-0.002	0.075	243
36	04110 Middle Vlg./Ridgedale, NY	167,201	0.487	0.194	0.024	0.075	244
6	07606 Westminster/Fountain Valley, CA	200,540	0.470	0.157	0.010	0.075	245
36	04207 Levittown/East Meadow, NY	115,021	0.471	0.197	0.030	0.075	246
8	00822 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 31	100,807	0.298	0.058	0.013	0.074	247
6	04401 West San Bernardino/Chino/Montclair, CA	145,990	0.333	0.116	0.030	0.074	248
53	01004 *Snohomish Co. (Everett), WA - Pt. 4	102,381	0.269	0.081	0.032	0.074	249
49	00504 *Salt Lake Co. (City), UT - Pt. 4	146,427	0.249	-0.027	-0.016	0.073	250
17	03205 York/Elmhurst/Lombard, IL	124,553	0.442	0.151	0.015	0.073	251
12	02901 *Sarasota Co. (Sarasota-North Point), FL - Pt. 1	175,152	0.184	-0.087	-0.027	0.073	252
36	04107 Elmhurst/Corona, NY	142,022	0.490	0.197	0.023	0.073	253
30	00500 *Soutwest (Helean-Bozeman-Butte) MT - Pt. 1	101,510	-0.100	-0.275	-0.034	0.073	254
25	02500 Framingham/Natick, MA	103,280	0.474	0.164	0.011	0.073	255
6	02106 Concord, CA	119,237	0.503	0.227	0.034	0.073	256
17	03202 Milton, IL	118,616	0.415	0.153	0.023	0.073	257
25	04600 Plymouth/Marshfield/Wareham, MA	150,478	0.286	0.112	0.042	0.072	258
34	01001 Bridgewater/Bernards, NJ, NJ	143,238	0.570	0.249	0.023	0.072	259
53	01805 Delridge/Duwamish, WA	120,090	0.422	0.102	-0.005	0.072	260
34	01104 *Monmouth Co. (Middletown), NJ - Pt. 4	124,816	0.491	0.236	0.040	0.071	261
36	04308 Ronkonkoma/Sayville/Holbrook, NY	105,363	0.419	0.180	0.034	0.071	262
8	00102 Loveland, CO	120,093	0.110	-0.067	0.003	0.071	263
36	04310 West Islip/Bayshore, NY	106,387	0.427	0.180	0.031	0.070	264
6	02207 S. Bayshore/S. Central, CA	105,338	0.651	0.252	-0.002	0.070	265
36	04303 Stony Brook/Setauket, NY	110,166	0.393	0.172	0.037	0.070	266
35	00601 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 6	146,456	0.139	-0.090	-0.018	0.070	267
6	08116 Oceanside City, CA	187,689	0.313	0.076	0.012	0.069	268

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
23	00300 *all (Portaland-Bangor) MN - Pt. 3	136,353	0.057	-0.100	0.002	0.069	269
36	04016 Sheepshead Bay/Gravesend, NY	149,351	0.446	0.193	0.030	0.069	270
42	03902 *Bucks Co. (Bensalem), PA - Pt. 2	146,817	0.292	0.077	0.019	0.069	271
36	04304 Hamptons/Riverhead/Southold, NY	125,442	0.535	0.165	-0.011	0.069	272
6	08108 El Cajon, CA	227,240	0.343	0.069	-0.001	0.069	273
1	02400 *random AL - Pt. 19	140,415	-0.119	-0.181	0.014	0.069	274
33	01100 Portsmouth/Hampton/Exeter, NH	113,305	0.250	0.027	0.006	0.069	275
44	00500 *all but Providence, RI - Pt. 4	136,081	0.241	0.020	0.005	0.068	276
37	00905 *Charlottesville, Wilmington and other NC - Pt. 5	133,799	0.301	0.041	-0.003	0.068	277
17	03505 Northwest Chicago/O'Hare Airport, IL	128,905	0.424	0.155	0.017	0.068	278
34	01502 *Morris Co. (Morristown), NJ - Pt. 2	122,397	0.472	0.231	0.039	0.067	279
13	01102 Sandy Springs-Roswell, GA	178,889	0.383	0.101	0.001	0.067	280
6	08106 Lemon Grove City/La Mesa, CA	107,380	0.303	0.070	0.010	0.067	281
12	04016 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 23	104,501	0.101	-0.009	0.032	0.067	282
13	01201 Decatur, GA	112,100	0.351	0.087	0.004	0.067	283
51	00305 Reston/Oakton/Tysons Corner, VA	264,892	0.457	0.159	0.008	0.067	284
13	01202 Dunwoody, GA	129,097	0.383	0.081	-0.009	0.067	285
12	02902 *Sarasota Co. (Sarasota-North Point), FL - Pt. 2	150,805	0.055	-0.090	0.005	0.067	286
51	02200 Williamsburg, VA	171,950	-0.002	-0.119	0.008	0.067	287
6	00400 Mendocino, CA	144,574	0.159	-0.043	-0.004	0.066	288
50	00100 *all (Burlington-Bennington) VT - Pt. 1	198,889	0.028	-0.121	-0.003	0.066	289
8	00600 SW Colorado, CO	147,931	0.039	-0.148	-0.021	0.066	290
8	00804 Louisville/Superior, CO	101,798	0.282	0.058	0.009	0.065	291
23	00500 *all (Portaland-Bangor) MN - Pt. 5	124,087	-0.129	-0.220	-0.006	0.065	292
30	00700 *Northwest (Missoula-Kalispell) MT - Pt. 2	135,756	-0.095	-0.241	-0.027	0.065	293
8	00821 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 30	106,540	0.277	0.061	0.011	0.065	294
34	00303 S. Bergen Co., NJ	129,090	0.581	0.253	0.014	0.065	295
15	00200 Hilo/Big Island, HI	148,677	0.144	-0.066	-0.012	0.064	296
53	01002 *Snohomish Co. (Everett), WA - Pt. 2	153,493	0.350	0.089	0.002	0.064	297
36	04010 E. Flatbush, NY	145,263	0.419	0.179	0.026	0.064	298
8	00902 Colorado Springs (West), CO	101,808	0.148	-0.080	-0.021	0.064	299
41	00500 Clatsop/Tillamook/Lincoln/Columbia Co., OR, OR	147,931	0.064	-0.102	-0.007	0.064	300
42	04005 *Montgomery Co. (Norristown), PA - Pt. 5	111,564	0.309	0.097	0.018	0.064	301
12	04010 Little Havana/Brickell/Key Biscane, FL	110,054	0.181	-0.015	0.001	0.064	302
6	02103 Martinez/Pleasant Hill, CA	106,258	0.538	0.229	0.014	0.063	303
6	06801 West Anaheim, CA	191,282	0.427	0.153	0.010	0.063	304
6	06601 Fillmore/Port Hueneme, CA	126,049	0.416	0.106	-0.010	0.063	305
6	04100 northwest Bernardino/Rancho Cucamonga, CA	127,743	0.278	0.099	0.028	0.063	306
34	01503 *Morris Co. (Morristown), NJ - Pt. 3	110,850	0.578	0.244	0.009	0.063	307
6	06117 La Mirada/South Whitter, CA	130,374	0.415	0.148	0.011	0.063	308
36	04102 Jackson Hts. (LGA), NY	181,370	0.446	0.191	0.022	0.062	309
41	01200 Yamhill/Polk Co., OR, OR	147,372	0.057	-0.074	0.008	0.062	310
23	00100 *all (Portaland-Bangor) MN - Pt. 1	179,581	-0.033	-0.127	0.008	0.062	311
17	03503 North Chicago/Skokie/Lincolnwood, IL	149,668	0.408	0.156	0.016	0.062	312
12	04012 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 19	138,722	0.210	-0.014	-0.010	0.061	313
36	04015 Flatbush, NY	166,315	0.436	0.192	0.025	0.061	314
12	02205 *Orange Co. (Orlando), FL - Pt. 5	102,607	0.134	-0.042	-0.001	0.061	315
4	00400 Flagstaff/Grand Canyon, AZ	116,320	0.005	-0.127	-0.005	0.060	316
6	02709 Downtown San Jose, CA	116,043	0.733	0.304	-0.010	0.060	317
39	01101 *Summit Co. (Akron), OH - Pt. 1	100,779	0.193	0.004	0.003	0.060	318
12	04017 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 24	117,082	0.080	-0.003	0.034	0.060	319
6	08002 Murrieta/Temecula, CA	196,134	0.164	0.073	0.046	0.060	320
12	02102 *Brevard Co. (Palm Bay-Melbourne-Titusville), FL - Pt. 2	118,603	0.043	-0.102	-0.004	0.060	321
34	00304 Garfield/Fair Lawn, NJ	196,856	0.544	0.227	0.008	0.060	322
49	00507 *Salt Lake Co. (City), UT - Pt. 7	123,688	0.158	-0.021	0.001	0.059	323
6	05406 North Hollywood, CA	133,680	0.430	0.143	0.000	0.059	324
12	03610 *Broward Co. (Fort Lauderdale), FL - Pt. 10	135,089	0.144	0.009	0.020	0.059	325
6	04402 West San Bernardino/Montclair/Upland, CA	108,047	0.284	0.100	0.023	0.059	326
6	01503 *Sacramento Co. (Sacramento), CA - Pt. 6	142,880	0.308	0.077	0.003	0.059	327
25	03100 Somerville/Everett, MA	115,515	0.434	0.158	0.006	0.059	328
6	01800 Yosemite/Owens/Death Valley (Bishop), CA	179,291	0.144	0.000	0.015	0.058	329
34	00502 N. Passaic Co., NJ	193,294	0.486	0.212	0.017	0.058	330
25	03305 WestRoxbury/Hyde Park, MA	122,082	0.415	0.175	0.020	0.058	331
12	03601 Coconut Springs, FL	132,951	0.158	0.009	0.014	0.058	332
12	04001 Aventura/North Miami Beach/Ojus, FL	102,123	0.186	-0.006	-0.002	0.058	333
9	02200 *random CT - Pt. 18	206,179	0.523	0.236	0.017	0.058	334
25	03000 Maiden/Medford, MA	112,105	0.417	0.157	0.009	0.057	335



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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
6	07100 Orange/Garden Grove, CA	165,198	0.438	0.160	0.004	0.057	336
41	01305 Downtown, OR	110,276	0.297	0.034	-0.016	0.057	337
35	00200 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 2	111,155	-0.071	-0.186	-0.015	0.057	338
17	03403 Elk Grove/Wheeling, IL	252,722	0.408	0.140	0.002	0.057	339
24	01204 Anne Arundel/Annapolis City, MD	125,662	0.281	0.097	0.019	0.056	340
34	01903 Plainfield/Summit, NJ, NJ	124,180	0.550	0.249	0.014	0.056	341
36	04109 Sunnyside/Woodside, NY	130,166	0.488	0.217	0.017	0.056	342
42	04109 Downtown/Logan Square/Fishtown, PA	110,243	0.353	0.089	-0.007	0.056	343
36	04311 Lindenhurst, NY	101,878	0.366	0.182	0.036	0.056	344
16	00100 *Northern (Coeur D'Alene-Lewiston-Moscow) ID - Pt. 1	178,333	-0.125	-0.193	-0.003	0.055	345
17	03504 Northwest Chicago/Park Ridge, IL	152,977	0.361	0.152	0.022	0.055	346
24	00501 Baltimore, MD	109,970	0.226	0.069	0.021	0.055	347
12	02601 *Pinellas Co. (St. Petersburg), FL - Pt. 1	119,663	0.027	-0.077	0.008	0.055	348
37	04000 *Charlottesville, Wilmington and other NC - Pt. 13	233,450	-0.019	-0.128	-0.004	0.055	349
6	02203 Downtown/SOMA/Mission, CA	107,054	0.669	0.260	-0.019	0.055	350
50	00300 *all (Burlington-Bennington) VT - Pt. 3	129,860	-0.084	-0.188	-0.014	0.054	351
41	00400 *Eastern (Bend-La Grande-Klamath Falls) OR - Pt. 4	115,367	0.111	-0.099	-0.029	0.054	352
8	00815 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 24	142,364	0.311	0.056	-0.013	0.054	353
6	08104 Chula Vista, CA	183,293	0.296	0.071	-0.001	0.053	354
55	02201 *Waukesha Co. (Waukesha), WI - Pt. 1	148,131	0.255	0.043	-0.003	0.053	355
12	04003 Country Club/Hialeah Gardens, FL	105,305	0.132	-0.006	0.010	0.053	356
17	03410 Tinley Park, IL	162,526	0.291	0.142	0.036	0.053	357
34	01101 *Monmouth Co. (Middletown), NJ - Pt. 1	115,100	0.382	0.174	0.023	0.053	358
25	03700 Braintree/Randolph/Stoughton, MA	123,500	0.367	0.157	0.019	0.052	359
44	00700 *all but Providence, RI - Pt. 6	123,546	0.156	-0.007	0.001	0.052	360
51	00304 Centreville/Chantilly, VA	150,794	0.337	0.162	0.031	0.052	361
25	02400 *random MA - Pt. 22	103,393	0.336	0.141	0.020	0.052	362
22	01802 *New Orleans (Orleans Parish), LA - Pt. 2	107,802	0.001	-0.074	0.014	0.052	363
24	01003 Rockville/Gaithersburg, MD	153,276	0.348	0.151	0.021	0.052	364
6	05404 Sun Valley/Tujunga, CA	131,131	0.417	0.143	-0.004	0.051	365
25	01600 Amherst/Northampton/South Hadley, MA, MA	101,426	0.165	-0.037	-0.017	0.051	366
34	00800 Hunterdon Co., NJ	121,989	0.408	0.219	0.036	0.051	367
23	00400 *all (Portland-Bangor) MN - Pt. 4	101,535	-0.059	-0.166	-0.014	0.051	368
24	01007 Silver Spring, MD	104,088	0.398	0.156	0.008	0.051	369
41	01102 *Marion Co. (Salem), OR - Pt. 2	115,374	0.077	-0.060	-0.003	0.050	370
17	03203 Lisle, IL	117,604	0.329	0.152	0.026	0.050	371
12	01903 *Volusia Co. (Deltona-Daytona Beach-Ormond Beach), FL - Pt. 3	129,907	-0.101	-0.164	-0.001	0.050	372
8	00820 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 29	104,775	0.233	0.057	0.008	0.050	373
48	05401 *Travis Co. (Austin), TX - Pt. 8	163,946	0.134	0.001	0.010	0.050	374
12	03604 Pompano Beach, FL	109,935	0.215	0.008	-0.011	0.050	375
42	03901 *Bucks Co. (Bensalem), PA - Pt. 1	194,480	0.226	0.072	0.017	0.050	376
53	01600 *Western (Longview-Aberdeen-Port Angeles), WA - Pt. 3	139,883	0.056	-0.066	0.000	0.050	377
4	00107 *Maricopa Co. (Phoenix), AZ - Pt. 7	146,150	0.203	0.023	-0.001	0.050	378
24	00901 Howard/Columbia/Elliott, MD	110,187	0.300	0.108	0.012	0.049	379
6	06111 Montebello/Pico Rivera, CA	128,245	0.372	0.141	0.007	0.049	380
12	04018 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 25	102,653	0.114	-0.002	0.014	0.049	381
24	01001 Olney/Damascus, MD	103,090	0.306	0.150	0.031	0.049	382
55	02202 *Waukesha Co. (Waukesha), WI - Pt. 2	100,698	0.209	0.042	0.006	0.049	383
35	00603 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 8	103,234	0.029	-0.095	-0.007	0.049	384
6	06112 Monterey Park/Rosemead, CA	122,051	0.399	0.144	-0.001	0.049	385
17	03004 *Other IL - Pt. 33	109,171	0.292	0.113	0.016	0.048	386
41	01310 Tigard/King City, OR	109,461	0.224	0.031	-0.004	0.048	387
6	01602 Roseville, CA	112,697	0.256	0.077	0.009	0.048	388
41	00600 Benton/Linn Co., OR, OR	181,222	0.058	-0.097	-0.019	0.048	389
1	00903 *Jefferson Co. (Birmingham), AL - Pt. 3	154,204	0.169	-0.030	-0.019	0.047	390
41	00900 Jackson Co. (Medford), OR, OR	181,269	0.051	-0.129	-0.033	0.047	391
12	02001 *Seminole/Osceola Co. (Sanford-Kissimmee), FL - Pt. 1	154,102	0.072	-0.049	0.001	0.047	392
36	04312 Deer Park/Amityville, NY	109,586	0.370	0.177	0.023	0.047	393
6	07502 East Santa Ana, CA	181,377	0.454	0.156	-0.013	0.047	394
34	01501 *Morris Co. (Morristown), NJ - Pt. 1	122,601	0.444	0.222	0.023	0.047	395
47	02400 *around Nashville, TN - Pt. 5	126,638	0.138	0.001	0.006	0.047	396
34	00301 Hackensack/Teaneck, NJ	116,389	0.519	0.250	0.014	0.047	397
25	00800 *random MA - Pt. 8	117,794	0.298	0.123	0.018	0.047	398
6	07700 Corona, CA	124,966	0.246	0.119	0.031	0.047	399
33	00200 *all (Manchester-Concord) NH - Pt. 2	112,944	-0.059	-0.113	0.007	0.046	400
41	00702 *Lane Co. (Eugene), OR - Pt. 2	213,384	0.068	-0.118	-0.034	0.046	401
4	00106 S. Scottsdale/Rio Verde, AZ	100,324	0.248	0.023	-0.018	0.046	402

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
6	07501 West Santa Ana, CA	156,600	0.413	0.157	-0.001	0.046	403
6	02108 Oakley/Antioch, CA	112,147	0.329	0.223	0.057	0.046	404
6	05424 Harbor Area, CA	184,246	0.404	0.149	-0.003	0.045	405
53	01005 *Snohomish Co. (Everett), WA - Pt. 5	113,179	0.181	0.065	0.022	0.045	406
53	00100 Whatcom (Bellingham), WA, WA	166,814	0.121	-0.046	-0.015	0.045	407
4	00113 *Maricopa Co. (Phoenix), AZ - Pt. 13	103,984	0.241	0.019	-0.019	0.045	408
6	06000 Norwalk, CA	103,298	0.361	0.141	0.005	0.045	409
42	04301 *Chester Co. (West Chester), PA - Pt. 1	138,030	0.311	0.117	0.009	0.045	410
39	00601 *Cuyahoga Co. (excl. Cleveland), OH - Pt. 1	121,180	0.198	0.036	0.002	0.045	411
12	03501 *Palm Beach Co. (West Palm Beach), FL - Pt. 1	183,935	0.192	0.016	-0.006	0.045	412
8	00818 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 27	100,888	0.243	0.056	-0.002	0.044	413
53	02102 *Clark Co. (Vancouver), WA - Pt. 2	101,073	0.151	0.030	0.014	0.044	414
8	00802 Gunbarrel, CO	113,092	0.251	0.049	-0.008	0.044	415
20	00604 *Johnson Co. (Overland Park) KS - Pt. 4	102,440	0.229	-0.002	-0.026	0.044	416
42	04001 *Montgomery Co. (Norristown), PA - Pt. 1	109,556	0.278	0.093	0.006	0.044	417
6	06115 Lynwood/South Gate, CA	168,966	0.342	0.136	0.008	0.044	418
41	01313 Beaverton, OR	101,052	0.281	0.038	-0.023	0.044	419
47	02203 *Davidson Co. (Nashville), TN - Pt. 3	131,144	0.172	-0.023	-0.020	0.044	420
6	05416 East L.A., CA	228,910	0.340	0.143	0.012	0.044	421
39	04404 *Hamilton Co. (Cincinnati), OH - Pt. 4	111,620	0.223	0.035	-0.007	0.044	422
12	03603 Deerfield Beach/Lighthouse Point, FL	104,503	0.021	0.010	0.042	0.044	423
24	01005 Wheaton-Glenmont/Aspen Hill, MD	123,676	0.313	0.150	0.023	0.043	424
25	04100 *random MA - Pt. 36	142,107	0.226	0.114	0.032	0.043	425
6	02714 North Valley/E. San Jose, CA	100,470	0.621	0.286	-0.002	0.043	426
24	01203 Anne Arundel, MD	128,396	0.232	0.086	0.016	0.043	427
49	00302 *Northwest (Layton-Brigham City)UT - Pt. 3	106,194	0.092	-0.035	-0.002	0.043	428
36	04206 Hempstead/Freepport, NY	140,215	0.350	0.188	0.031	0.043	429
36	03704 Pelham Parkway, NY	119,960	0.390	0.198	0.023	0.043	430
36	04112 Jamaica, NY	218,993	0.320	0.185	0.038	0.043	431
48	05611 *Bexar Co. (San Antonio), TX - Pt. 11	113,192	0.037	-0.081	-0.009	0.043	432
6	08107 Northwest San Diego, CA	168,125	0.268	0.069	-0.004	0.043	433
49	00501 *Salt Lake Co. (City), UT - Pt. 1	181,105	0.176	-0.031	-0.027	0.042	434
6	06124 Hawthorne/Lennox, CA	116,546	0.361	0.142	0.004	0.042	435
36	03303 Middletown/Walkkill, NY	116,944	0.194	0.139	0.052	0.042	436
6	02001 Tracy/Manteca, CA	149,825	0.222	0.139	0.044	0.042	437
11	00102 Brightwood, DC	106,159	0.329	0.173	0.028	0.042	438
12	03702 Immokalee/Golden Gate/Marco Island, FL	128,229	0.098	-0.023	0.000	0.042	439
9	01800 *random CT - Pt. 16	110,034	0.322	0.122	0.004	0.041	440
4	00206 Outer Tucson/Flowing Wells, AZ	107,307	-0.020	-0.108	-0.007	0.041	441
6	08004 Palm Springs/Cathedral City, CA	196,172	0.249	0.058	-0.005	0.041	442
8	00819 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 28	135,315	0.204	0.057	0.008	0.041	443
35	00500 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 5	156,060	-0.080	-0.109	0.010	0.041	444
30	00100 *Northwest (Missoula-Kalispell) MT - Pt. 1	130,042	-0.161	-0.246	-0.034	0.041	445
25	03600 *random MA - Pt. 32	102,078	0.252	0.125	0.026	0.041	446
53	02004 Renton/Cascade-Fairwood, WA	112,586	0.280	0.114	0.013	0.041	447
36	04011 S. Crown Hts., NY	112,670	0.367	0.188	0.023	0.041	448
6	02900 Salinas, CA	151,060	0.352	0.110	-0.011	0.040	449
51	00302 Franconia/Mount Vernon, VA	174,963	0.339	0.153	0.014	0.040	450
49	00502 *Salt Lake Co. (City), UT - Pt. 2	102,784	0.075	-0.025	0.005	0.040	451
12	03508 Sandalfoot Cove/Boca Del Mar, FL	102,811	0.156	0.018	0.001	0.040	452
34	01404 Southwest Newark City/Irvington, NJ	149,271	0.459	0.240	0.021	0.040	453
12	02608 *Pinellas Co. (St. Petersburg), FL - Pt. 8	127,177	0.066	-0.078	-0.019	0.040	454
41	01311 Hillsboro, OR	142,121	0.180	0.035	0.002	0.040	455
34	01103 *Monmouth Co. (Middletown), NJ - Pt. 3	122,039	0.389	0.194	0.018	0.040	456
37	00202 *Asheville area, NC - Pt. 2	105,094	-0.043	-0.161	-0.028	0.040	457
22	01902 *New Orleans surroundings, LA - Pt. 3	102,612	0.026	-0.073	-0.005	0.040	458
34	00902 *Middlesex Co. (Edison), NJ - Pt. 2	166,541	0.365	0.228	0.042	0.039	459
53	01201 *Thurston Co. (Olympia), WA - Pt. 1	100,178	0.084	-0.026	0.001	0.039	460
4	00207 W. Tucson/Drexel Heights/Green Valley, AZ	159,158	-0.080	-0.108	0.009	0.039	461
36	03602 Spring Valley, NY	156,960	0.375	0.177	0.013	0.039	462
9	02100 *random CT - Pt. 17	183,303	0.444	0.249	0.028	0.038	463
39	00703 *Lake/Geauga/Ashtabula Cos. (Mentor), OH - Pt. 3	109,299	0.067	-0.014	0.011	0.038	464
17	03409 La Grange, IL	147,937	0.319	0.144	0.013	0.038	465
37	04200 Onslow Co. NC, NC	150,355	-0.278	-0.247	-0.001	0.038	466
34	01105 *Monmouth Co. (Middletown), NJ - Pt. 5	109,089	0.310	0.213	0.051	0.038	467
6	05405 Mission Hills/Panorama City, CA	128,277	0.318	0.141	0.012	0.038	468
36	03702 Williamsbridge/Baychester, NY	136,494	0.358	0.205	0.032	0.038	469

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
53	02007 Federal Way, WA	118,352	0.237	0.102	0.017	0.038	470
6	06200 Oxnard, CA	170,358	0.365	0.104	-0.021	0.038	471
25	00500 *random MA - Pt. 5	185,605	0.312	0.145	0.015	0.038	472
42	00700 Monroe Co., PA	138,687	-0.100	-0.022	0.057	0.037	473
24	00601 Harford/Bel Air South, MD	118,227	0.065	0.041	0.038	0.037	474
53	01401 *Pierce Co. (Tacoma), WA - Pt. 2	144,671	0.164	0.052	0.014	0.037	475
33	00300 *all (Manchester-Concord) NH - Pt. 3	112,233	-0.005	-0.061	0.008	0.037	476
47	03202 *Shelby Co. (Memphis), TN - Pt. 7	104,360	0.114	0.010	0.008	0.037	477
6	06101 Lake Los Angeles, CA	122,141	0.196	0.131	0.043	0.037	478
51	00303 Fairfax City/Springfield, VA	202,647	0.330	0.163	0.018	0.037	479
55	01100 Madison, WI	208,054	0.149	-0.047	-0.032	0.037	480
8	00817 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 26	109,722	0.203	0.056	0.003	0.037	481
18	00203 North Indiana/Lake/St. John, IN	101,338	0.062	0.028	0.031	0.036	482
34	01102 *Monmouth Co. (Middletown), NJ - Pt. 2	144,257	0.273	0.198	0.052	0.036	483
20	00602 *Johnson Co. (Overland Park) KS - Pt. 2	105,310	0.188	-0.009	-0.026	0.036	484
45	01500 Myrtle Beach/Socastee/Conway, SC	196,629	-0.154	-0.180	-0.008	0.036	485
17	03402 Hanover/Schaumburg, IL	217,585	0.260	0.136	0.025	0.036	486
4	00119 *Maricopa Co. (Phoenix), AZ - Pt. 19	104,352	0.162	0.024	-0.002	0.036	487
39	00605 *Cuyahoga Co. (excl. Cleveland), OH - Pt. 4	125,623	0.180	0.040	0.001	0.036	488
12	00300 *random (Tallahassee-Jacksonville) FL - Pt. 1	170,498	-0.136	-0.184	-0.016	0.035	489
37	02701 *Wake Co. (Raleigh), NC - Pt. 3	109,366	0.178	0.017	-0.010	0.035	490
34	01203 *Ocean Co. (Toms River), NJ - Pt. 3	162,752	0.228	0.154	0.043	0.035	491
13	01303 Smyrna, GA	105,222	0.289	0.084	-0.011	0.035	492
17	03407 Proviso, IL	183,170	0.310	0.141	0.011	0.035	493
8	00200 Fort Collins, CO	118,652	0.101	-0.061	-0.027	0.035	494
26	03400 Livingston Co. (Howell/Brighton), MI	156,951	0.182	0.102	0.030	0.035	495
36	03400 Yonkers, NY	196,086	0.403	0.206	0.015	0.035	496
17	03201 Naperville/Wayne/Winfield, IL	194,667	0.262	0.147	0.028	0.034	497
13	01101 Alpharetta, GA	112,940	0.229	0.101	0.015	0.034	498
42	03903 *Bucks Co. (Bensalem), PA - Pt. 3	132,460	0.224	0.094	0.013	0.034	499
17	03001 *Other IL - Pt. 30	105,693	0.163	0.108	0.039	0.034	500
26	03200 Ann Arbor, MI	114,024	0.335	0.085	-0.025	0.034	501
48	02306 North Dallas City/University Park, TX	195,592	0.292	0.082	-0.014	0.034	502
6	01301 Vallejo, CA	146,849	0.330	0.176	0.021	0.034	503
33	01000 Salem/Pelham, NH	102,320	0.104	0.049	0.026	0.034	504
12	03400 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 5	126,731	0.016	-0.066	-0.004	0.034	505
12	02603 *Pinellas Co. (St. Petersburg), FL - Pt. 3	113,201	0.038	-0.077	-0.017	0.033	506
48	05610 *Bexar Co. (San Antonio), TX - Pt. 10	101,012	0.017	-0.082	-0.013	0.033	507
17	03506 West Chicago/Schiller Park, IL	156,130	0.300	0.148	0.016	0.033	508
34	02302 N. Mercer Co., NJ	149,090	0.381	0.208	0.021	0.033	509
36	03701 Riverdale/Kingsbridge, NY	108,492	0.389	0.222	0.026	0.033	510
50	00400 *all (Burlington-Bennington) VT - Pt. 4	136,368	-0.111	-0.178	-0.023	0.032	511
42	04302 *Chester Co. (West Chester), PA - Pt. 2	164,248	0.246	0.116	0.016	0.032	512
12	04004 W. Hialeah, FL	118,445	0.059	-0.017	0.005	0.032	513
55	01200 *Dane Co. (Madison), WI - Pt. 2	218,472	0.081	-0.049	-0.017	0.032	514
4	00104 *Maricopa Co. (Phoenix), AZ - Pt. 4	188,935	0.121	0.024	0.007	0.032	515
53	01403 *Pierce Co. (Tacoma), WA - Pt. 4	102,772	0.102	0.020	0.011	0.032	516
17	03002 *Other IL - Pt. 31	113,751	0.165	0.113	0.038	0.032	517
26	02504 Troy/Rochester Hills, MI	159,595	0.336	0.158	0.009	0.032	518
36	04306 Coram/Patchogue, NY	110,886	0.247	0.173	0.043	0.032	519
32	00400 Carson City, NV	131,616	0.113	-0.008	-0.007	0.031	520
50	00200 *all (Burlington-Bennington) VT - Pt. 2	143,710	-0.213	-0.203	-0.005	0.031	521
48	02103 *Collin Co. (McKinney), TX - Pt. 3	112,401	0.223	0.097	0.012	0.031	522
29	01706 *St. Louis Co., MO - Pt. 6	114,732	0.125	0.024	0.005	0.031	523
37	02602 *Wake Co. (Raleigh), NC - Pt. 2	137,252	0.161	0.002	-0.017	0.031	524
24	01101 College Park/Chillum, MD	103,811	0.273	0.141	0.019	0.031	525
55	02101 *Milwaukee Co. (excl. city), WI - Pt. 1	113,792	0.230	0.043	-0.017	0.031	526
17	03406 Leyden, IL	119,164	0.323	0.141	0.003	0.031	527
37	02900 *Orange-Chatham Cos. (Hillsborough), NC - Pt. 1	167,556	0.055	-0.036	-0.004	0.031	528
8	00904 Colorado Springs (NE), CO	109,251	0.012	-0.078	-0.012	0.031	529
41	01308 Southeast Portland/Clackamas, OR	119,190	0.172	0.038	-0.003	0.031	530
48	02304 North Dallas City/Rowlett, TX	185,969	0.248	0.082	-0.004	0.031	531
53	01202 *Thurston Co. (Olympia), WA - Pt. 2	107,177	0.069	-0.028	-0.004	0.031	532
42	01300 *Centre Co. (State College), PA - Pt. 1	135,758	-0.087	-0.128	-0.007	0.031	533
12	02206 *Orange Co. (Orlando), FL - Pt. 6	141,404	-0.010	-0.042	0.013	0.030	534
34	00904 *Middlesex Co. (Edison), NJ - Pt. 4	132,337	0.400	0.240	0.029	0.030	535
51	02803 S. Virginia Beach (Back Bay), VA	150,794	-0.081	-0.109	0.000	0.030	536

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FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
8	00903 Colorado Springs (Central), CO	101,046	0.011	-0.080	-0.013	0.030	537
34	00302 Rutherford/North Arlington, NJ	114,017	0.474	0.234	0.003	0.030	538
41	00800 *Soutwest (Coos Bay-Brookings-Grants Pass-Roseburg) OR - Pt. 1	159,642	-0.073	-0.174	-0.034	0.030	539
33	00900 Nashua, NH	116,893	0.145	0.051	0.012	0.030	540
6	07802 Central and east Riverside, CA	143,519	0.182	0.083	0.016	0.030	541
12	01105 Duval/Southeast Jacksonville City, FL	104,611	0.039	-0.044	-0.004	0.030	542
41	01303 South Portland/Milwaukie, OR	101,076	0.187	0.033	-0.011	0.030	543
22	01804 *New Orleans (Orleans Parish), LA - Pt. 4	122,869	0.033	-0.075	-0.018	0.029	544
41	01312 Aloha, OR	113,187	0.196	0.038	-0.011	0.029	545
33	00600 *all (Manchester-Concord) NH - Pt. 6	110,825	0.043	0.025	0.029	0.029	546
24	00400 Carroll, MD	150,897	0.042	0.043	0.038	0.029	547
53	01001 *Snohomish Co. (Everett), WA - Pt. 1	135,486	0.207	0.076	0.004	0.029	548
24	00503 Baltimore/Pikesville, MD	108,804	0.180	0.073	0.011	0.029	549
12	02801 *Manatee Co. (Bradenton), FL - Pt. 1	134,394	0.002	-0.096	-0.020	0.029	550
36	04101 Astoria, NY	192,689	0.434	0.224	0.009	0.029	551
27	01401 *Western Hennepin Co. , MN - Pt. 1	105,079	0.212	0.096	0.012	0.029	552
12	02802 *Manatee Co. (Bradenton), FL - Pt. 2	129,608	-0.042	-0.093	-0.005	0.029	553
37	00300 *Asheville area, NC - Pt. 3	118,507	-0.120	-0.164	-0.017	0.029	554
6	06109 La Puente/West Puente Valley, CA	126,720	0.291	0.135	0.008	0.029	555
12	02202 *Orange Co. (Orlando), FL - Pt. 2	179,736	0.032	-0.043	-0.003	0.028	556
55	02300 *Washington/Ozaukee Cos. (West Bend-Mequon), WI - Pt. 1	199,810	0.117	0.015	0.000	0.028	557
32	00100 *all but Las Vegas (Reno-Carson City), NV - Pt. 1	159,006	0.221	0.026	-0.026	0.028	558
42	00600 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 2	136,262	-0.200	-0.103	0.037	0.028	559
13	01203 Tucker, GA	104,195	0.199	0.078	0.007	0.028	560
41	01302 Northeast Portland/Portland Int'l Airport/Happy Valley, OR	106,539	0.150	0.035	0.000	0.028	561
17	03206 Addison/Bloomingtondale, IL	200,611	0.303	0.148	0.010	0.028	562
12	03200 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 3	148,857	-0.101	-0.116	0.001	0.028	563
33	00400 *all (Manchester-Concord) NH - Pt. 4	123,272	-0.015	-0.044	0.011	0.028	564
23	00200 *all (Portland-Bangor) MN - Pt. 2	103,715	0.042	-0.084	-0.027	0.028	565
6	01303 Vacaville, CA	121,090	0.261	0.124	0.010	0.028	566
6	06120 Carson/West Carson, CA	110,297	0.324	0.150	0.004	0.028	567
53	01702 *Kitsap Co. (Bremerton), WA - Pt. 2	118,477	0.026	-0.002	0.019	0.028	568
25	00400 Marlborough/Hudson, MA	103,017	0.290	0.145	0.012	0.028	569
29	01708 *St. Louis Co., MO - Pt. 8	128,780	0.109	0.020	0.005	0.028	570
35	00604 Central Albuquerque, NM	102,444	0.049	-0.095	-0.035	0.027	571
6	05419 HydePark/Crenshaw, CA	156,039	0.324	0.142	0.000	0.027	572
47	00502 *around Nashville, TN - Pt. 3	106,086	-0.067	-0.061	0.017	0.027	573
6	05500 Inglewood, CA	112,580	0.354	0.139	-0.011	0.027	574
37	02601 *Wake Co. (Raleigh), NC - Pt. 1	138,841	0.144	-0.002	-0.018	0.027	575
6	06105 Azusa/Baldwin Park/Duarte, CA	159,524	0.299	0.139	0.005	0.027	576
6	00900 Yolo Co. (Davis), CA, CA	168,660	0.235	0.059	-0.015	0.027	577
24	01006 Fairland/White Oak, MD	107,049	0.294	0.153	0.014	0.027	578
12	03611 *Broward Co. (Fort Lauderdale), FL - Pt. 11	130,089	0.034	0.007	0.019	0.027	579
33	00700 *all (Manchester-Concord) NH - Pt. 7	107,851	0.092	0.049	0.023	0.026	580
4	00101 *Maricopa Co. (Phoenix), AZ - Pt. 1	102,745	0.060	0.018	0.017	0.026	581
25	02000 Ludlow/Longmeadow/Belchertown, MA	113,117	0.091	0.010	0.003	0.026	582
34	01600 Sussex Co., NJ	144,166	0.192	0.176	0.056	0.026	583
12	03609 Hollywood/Davie, FL	112,455	0.082	0.007	0.004	0.026	584
6	00200 Humboldt Co. (Eureka), CA, CA	126,518	0.025	-0.112	-0.038	0.026	585
13	01302 Sandy Plains, GA	115,072	0.139	0.088	0.028	0.026	586
25	04300 *random MA - Pt. 38	108,709	0.164	0.069	0.010	0.026	587
30	00600 *Soutwest (Helean-Bozeman-Butte) MT - Pt. 2	124,183	-0.273	-0.252	-0.018	0.025	588
36	03903 South Shore, NY	162,609	0.300	0.198	0.033	0.025	589
49	00700 SW Utah, UT	207,111	-0.191	-0.191	-0.013	0.025	590
9	02500 Stamford, CT	117,083	0.683	0.348	-0.008	0.025	591
36	03201 *Westchester/Putnam/Dutchess Cos. (Yonkers-Poughkeepsie), NY - Pt. 1	121,573	0.151	0.085	0.021	0.025	592
48	03702 *random central (Fort Worth), TX - Pt. 26	106,591	-0.227	-0.203	-0.008	0.025	593
36	04012 Sunset Park, NY	139,269	0.337	0.185	0.015	0.025	594
17	03103 *Other IL - Pt. 38	142,062	0.163	0.130	0.040	0.025	595
6	05701 Long Beach, CA	138,799	0.328	0.152	0.001	0.025	596
37	00500 *Northwest (Boone-N. Wilkesboro) NC - Pt. 1	117,707	-0.254	-0.205	-0.001	0.024	597
6	00600 Butte Co. (Chico), CA, CA	203,171	0.018	-0.057	-0.010	0.024	598
48	02302 North Dallas City, TX	135,393	0.233	0.074	-0.010	0.024	599
41	00200 *Eastern (Bend-La Grande-Klamath Falls) OR - Pt. 2	106,719	-0.106	-0.122	-0.005	0.024	600
48	05800 *surrounding Houston, TX - Pt. 13	161,411	-0.210	-0.178	-0.001	0.024	601
17	03501 North Chicago/Rogers Park, IL	189,233	0.294	0.156	0.013	0.024	602
27	01405 *Western Hennepin Co. , MN - Pt. 5	108,696	0.329	0.100	-0.027	0.024	603

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
41	01101 *Marion Co. (Salem), OR - Pt. 1	169,460	-0.002	-0.079	-0.015	0.024	604
12	03613 *Broward Co. (Fort Lauderdale), FL - Pt. 13	123,695	0.069	0.003	0.004	0.024	605
34	01002 Franklin/Hillsborough, NJ, NJ	154,252	0.366	0.233	0.029	0.024	606
6	05414 Wilshire Center, CA	123,129	0.279	0.142	0.010	0.024	607
27	01404 *Western Hennepin Co. , MN - Pt. 4	106,200	0.302	0.102	-0.018	0.023	608
37	04800 *N. Eastern (Elizabeth City) NC - Pt. 1	150,047	-0.234	-0.176	0.007	0.023	609
20	00700 Southwest Kansas City/Emporia, KS	128,313	-0.119	-0.127	-0.004	0.023	610
48	05303 *Travis Co. (Austin), TX - Pt. 6	159,944	0.108	0.010	-0.004	0.023	611
12	02300 *Seminole/Osceola Co. (Sanford-Kissimmee), FL - Pt. 4	172,493	-0.105	-0.072	0.019	0.023	612
47	02205 *Davidson Co. (Nashville), TN - Pt. 5	103,415	0.037	-0.031	-0.004	0.023	613
26	04103 Shelby, MI	105,960	0.234	0.140	0.022	0.023	614
8	00816 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 25	114,985	0.116	0.051	0.013	0.023	615
18	01902 *Surrounding Marion Co., IN - Pt. 2	110,056	0.117	0.024	-0.001	0.023	616
12	00200 *Escambia/Santa Rosa Co. (Pensacola), FL - Pt. 3	117,743	-0.229	-0.156	0.015	0.023	617
21	01703 *Jefferson Co. (Louisville), KY - Pt. 3	198,417	0.048	-0.044	-0.014	0.023	618
6	06123 Gardena/Westmont/Lawndale, CA	140,665	0.305	0.143	0.001	0.023	619
39	01300 *Medina Co., (Brunswick), OH - Pt. 1	151,095	0.010	-0.016	0.012	0.023	620
5	00300 *Northwest (Springdale) AR - Pt. 2	144,943	-0.398	-0.295	-0.004	0.022	621
6	05200 Pomona city, CA	149,473	0.217	0.116	0.015	0.022	622
29	01704 *St. Louis Co., MO - Pt. 4	108,842	0.150	0.025	-0.011	0.022	623
6	06701 Santa Maria/Lompoc, CA	198,345	0.251	0.075	-0.017	0.022	624
23	00600 *all (Portalnd-Bangor) MN - Pt. 6	117,114	-0.272	-0.206	0.001	0.022	625
29	02600 *Southwest (Springfield) MO - Pt. 4	167,179	-0.377	-0.261	0.006	0.022	626
13	01505 Duluth-Suwanee, GA	119,947	0.169	0.072	0.006	0.022	627
37	03600 *Cumberland Co. (Fayetteville), NC - Pt. 1	121,015	-0.166	-0.173	-0.014	0.022	628
12	03000 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 1	141,627	-0.120	-0.124	-0.004	0.021	629
17	03509 West Uptown, IL	240,141	0.294	0.152	0.008	0.021	630
37	00201 *Asheville area, NC - Pt. 1	120,871	-0.175	-0.161	-0.006	0.021	631
26	02506 Farmington Hills/Southfield, MI	175,066	0.317	0.152	0.001	0.021	632
25	02200 Shrewsbury/Auburn/Grafton/Millbury, MA	113,178	0.184	0.092	0.011	0.021	633
17	03408 Cicero/Oak Park, IL	192,156	0.259	0.137	0.011	0.021	634
6	01302 Fairfield, CA	126,603	0.249	0.145	0.018	0.021	635
12	01104 Duval/Jacksonville Beach, FL	124,697	0.005	-0.043	-0.002	0.021	636
54	00400 *East Panhandle WV - Pt. 1	212,483	-0.355	-0.195	0.031	0.021	637
42	04204 *Delaware Co. (Chester), PA - Pt. 4	106,860	0.190	0.078	0.002	0.021	638
34	01401 North Newark City/East Orange, NJ	118,244	0.381	0.234	0.022	0.021	639
36	04004 Brooklyn Hts./Ft. Greene, NY	115,106	0.418	0.228	0.008	0.020	640
12	00701 Tallahassee, FL, FL	171,782	-0.034	-0.118	-0.028	0.020	641
8	00805 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 14	105,982	0.173	0.055	-0.005	0.020	642
48	02305 North Dallas City/Richardson, TX	132,772	0.251	0.090	-0.012	0.020	643
6	08105 South San Diego/National City, CA	210,139	0.190	0.070	-0.004	0.019	644
51	03000 Chesapeake, VA	199,184	-0.108	-0.100	0.002	0.019	645
12	02704 *Hillsborough Co. (Tampa), FL - Pt. 4	147,502	0.004	-0.037	-0.001	0.019	646
6	06113 Bell/Bell Gardens/Maywood, CA	145,553	0.284	0.136	0.001	0.019	647
25	01800 Westfield/Agawam/West Springfield, MA	114,822	0.056	-0.009	-0.003	0.019	648
8	00813 Denver Five Points, CO	100,089	0.159	0.051	-0.004	0.019	649
36	03706 Fordham/Bedford Park, NY	129,363	0.324	0.196	0.018	0.019	650
12	02003 *Seminole/Osceola Co. (Sanford-Kissimmee), FL - Pt. 3	106,336	-0.045	-0.047	0.008	0.018	651
17	03006 *Other IL - Pt. 35	130,981	0.141	0.103	0.027	0.018	652
12	02203 *Orange Co. (Orlando), FL - Pt. 3	129,757	-0.027	-0.045	0.004	0.018	653
47	01200 *Eastern (Knoxville-Johnson City), TN - Pt. 7	115,464	-0.260	-0.193	0.001	0.018	654
36	04307 Centereach/Selden, NY	106,612	0.255	0.175	0.028	0.018	655
48	03703 *random central (Fort Worth), TX - Pt. 27	101,010	-0.293	-0.212	0.001	0.018	656
34	00901 *Middlesex Co. (Edison), NJ - Pt. 1	152,475	0.277	0.221	0.044	0.017	657
22	02001 *New Orleans surroundings, LA - Pt. 7	133,374	-0.209	-0.095	0.033	0.017	658
12	01902 *Volusia Co. (Deltona-Daytona Beach-Ormond Beach), FL - Pt. 2	120,738	-0.129	-0.169	-0.028	0.017	659
37	01602 *Guilford Co. (Greensboro), NC - Pt. 2	118,909	0.052	-0.029	-0.013	0.017	660
47	01000 *Eastern (Knoxville-Johnson City), TN - Pt. 5	107,198	-0.255	-0.217	-0.015	0.017	661
37	04500 *random NC - Pt. 10	161,200	-0.178	-0.165	-0.012	0.017	662
42	04002 *Montgomery Co. (Norristown), PA - Pt. 2	158,623	0.176	0.097	0.012	0.017	663
6	06116 Bellflower/Paramount, CA	128,144	0.272	0.143	0.006	0.016	664
6	08001 Perris/Lake Elsinore, CA	288,783	0.095	0.093	0.034	0.016	665
27	01302 *Eastern Hennepin Co. (Minneapolis), MN - Pt. 2	124,081	0.291	0.099	-0.023	0.016	666
12	02705 *Hillsborough Co. (Tampa), FL - Pt. 5	105,500	0.012	-0.035	-0.005	0.016	667
12	00500 *random (Tallahasee-Jacksonville) FL - Pt. 3	148,217	-0.178	-0.161	-0.011	0.016	668
6	01504 *Sacramento Co. (Sacramento), CA - Pt. 7	169,571	0.222	0.078	-0.013	0.016	669
47	00300 *Western (Jackson-Clarksville) TN - Pt. 3	134,768	-0.291	-0.184	0.012	0.016	670

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
6	05415 East L.A., CA	193,704	0.268	0.143	0.006	0.016	671
16	00400 *Southwest (Nampa-Mountain Home) ID - Pt. 1	103,307	-0.247	-0.212	-0.015	0.016	672
41	01306 East Portland/Gresham, OR	118,328	0.105	0.035	0.001	0.015	673
35	00800 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 12	113,752	-0.302	-0.239	-0.013	0.015	674
47	01301 *Eastern (Knoxville-Johnson City), TN - Pt. 8	194,578	-0.176	-0.125	0.006	0.015	675
12	03800 North Fort Myers/Lehigh Acres, FL	102,286	-0.089	-0.091	-0.003	0.015	676
12	01700 *random (Tallahassee-Jacksonville) FL - Pt. 18	130,802	-0.260	-0.149	0.019	0.015	677
53	01402 *Pierce Co. (Tacoma), WA - Pt. 3	150,964	0.022	0.027	0.022	0.015	678
36	03102 *Central (Utica-Oneonta-Kingston), NY - Pt. 6	149,304	0.013	0.000	0.011	0.015	679
4	00600 Kingman/Lake Havasu city, AZ	174,747	-0.140	-0.162	-0.024	0.015	680
26	02501 Holly/Oxford, MI	153,041	0.185	0.144	0.031	0.015	681
12	02204 *Orange Co. (Orlando), FL - Pt. 4	136,998	0.004	-0.041	-0.007	0.015	682
24	01102 Laurel/Greenbelt, MD	117,042	0.177	0.137	0.029	0.015	683
12	01802 *Lake Co. (Tavares), FL - Pt. 2	105,089	-0.166	-0.110	0.010	0.014	684
4	00112 *Maricopa Co. (Phoenix), AZ - Pt. 12	170,752	0.110	0.018	-0.011	0.014	685
6	08102 U.S.-Mexico Border, CA	124,020	0.148	0.070	0.004	0.014	686
12	04005 E. Hialeah, FL	137,551	-0.003	-0.022	0.004	0.014	687
6	05403 Pacoima/Lakeview Terrace, CA	120,285	0.269	0.138	0.001	0.014	688
48	05301 *Travis Co. (Austin), TX - Pt. 4	167,656	0.135	0.009	-0.023	0.014	689
34	02002 *Burlington Co. (Evesham), NJ - Pt. 2	147,018	0.233	0.145	0.015	0.013	690
51	00600 Leesburg & Front Royal/Loudoun Co., VA	268,974	0.136	0.105	0.025	0.013	691
25	04200 *random MA - Pt. 37	108,350	0.133	0.101	0.024	0.013	692
19	00700 *Iowa city and westwards, IA - Pt. 2	111,006	-0.043	-0.123	-0.035	0.013	693
4	00202 E. Tucson, AZ	107,604	-0.073	-0.107	-0.018	0.013	694
32	00507 *Las Vegas, NV - Pt. 7	110,870	0.204	0.082	-0.008	0.013	695
48	05402 *Travis Co. (Austin), TX - Pt. 9	101,171	-0.029	-0.020	0.012	0.013	696
47	02201 *Davidson Co. (Nashville), TN - Pt. 1	119,185	-0.009	-0.028	0.002	0.013	697
53	00601 *Spokane Co. (Spokane), WA - Pt. 2	107,454	-0.084	-0.088	-0.006	0.013	698
31	00802 *Lancaster Co. (Lincoln), NE - Pt. 2	111,852	-0.089	-0.136	-0.028	0.013	699
12	03608 Plantation/Sunrise, FL	144,356	0.037	0.010	0.007	0.013	700
9	00100 *random CT - Pt. 1	182,193	0.182	0.119	0.017	0.013	701
26	01600 Traverse City (WNW LP), MI	139,298	-0.083	-0.106	-0.015	0.013	702
12	02604 *Pinellas Co. (St. Petersburg), FL - Pt. 4	105,885	-0.051	-0.076	-0.010	0.013	703
10	00102 *New Castle Co. (Wilmington), DE - Pt. 2	125,253	0.216	0.117	0.005	0.012	704
49	00603 *Utah Co. (Provo), UT - Pt. 3	125,497	-0.012	-0.040	-0.004	0.012	705
36	03301 Newburgh/New Windsor, NY	111,905	0.082	0.086	0.031	0.012	706
6	07801 West Riverside, CA	111,647	0.119	0.095	0.024	0.012	707
42	03202 *York/Adams/Franklin Cos. (York), PA - Pt. 4	167,845	-0.105	-0.061	0.014	0.012	708
4	00108 *Maricopa Co. (Phoenix), AZ - Pt. 8	116,247	0.028	0.023	0.015	0.012	709
25	02900 Westborough/Northborough/Canton, MA	100,666	0.278	0.148	0.002	0.012	710
25	01500 *random MA - Pt. 15	106,643	0.145	0.094	0.015	0.012	711
26	02502 Novi/White Lake, MI	189,407	0.198	0.148	0.026	0.012	712
6	04000 W. Bernardino/Ontario, CA	158,007	0.160	0.100	0.013	0.012	713
53	02008 Auburn/Lakeland, WA	117,551	0.173	0.106	0.013	0.012	714
41	01000 *Soutwest (Coos Bay-Brookings-Grants Pass-Roseburg) OR - Pt. 2	100,399	-0.089	-0.133	-0.028	0.012	715
21	01702 *Jefferson Co. (Louisville), KY - Pt. 2	102,954	0.086	-0.044	-0.037	0.012	716
6	04404 near west Bernardino/Redlands/Highland, CA	188,687	0.077	0.057	0.017	0.012	717
25	03304 Dorchester, MA	110,606	0.306	0.174	0.006	0.012	718
8	00808 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 17	112,814	0.099	0.058	0.010	0.012	719
55	02203 *Waukesha Co. (Waukesha), WI - Pt. 3	111,938	0.127	0.043	-0.005	0.012	720
22	01502 *Baton Rouge area, LA - Pt. 5	122,635	-0.013	-0.074	-0.021	0.012	721
8	00810 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 19	113,602	0.128	0.049	-0.003	0.011	722
36	03302 Monroe/Blooming Grove, NY	112,518	0.072	0.081	0.030	0.011	723
42	04004 *Montgomery Co. (Norristown), PA - Pt. 4	109,747	0.230	0.124	0.003	0.011	724
24	01300 Queen Anne's/Talbot, MD	134,821	-0.047	-0.043	0.004	0.011	725
22	02002 *New Orleans surroundings, LA - Pt. 8	101,820	-0.211	-0.092	0.029	0.011	726
42	01805 *Alleghany Co. (Pittsburgh), PA - Pt. 8	117,953	-0.029	-0.015	0.012	0.011	727
6	06114 Florence/Huntington Park, CA	137,816	0.261	0.134	-0.001	0.011	728
55	01800 *Kenosha Co. (Kenosha), WI - Pt. 1	149,577	0.011	0.004	0.010	0.011	729
8	00300 Weld Co., CO, CO	180,936	-0.019	-0.042	-0.004	0.011	730
6	03302 N. & Downtown Fresno, CA	131,596	0.081	0.006	-0.011	0.011	731
18	02302 *Marion Co. (Indianapolis), IN - Pt. 2	102,324	0.108	0.024	-0.010	0.011	732
17	03517 Far South Chicago/Evergreen Park, IL	105,622	0.199	0.157	0.028	0.010	733
1	01300 *random AL - Pt. 11	143,293	-0.055	-0.027	0.014	0.010	734
13	01501 Lawrenceville, GA	111,742	-0.023	0.069	0.052	0.010	735
4	00120 Chandler, AZ	189,676	0.073	0.021	-0.001	0.010	736
6	01502 Citrus Heights, CA	106,738	0.139	0.075	0.005	0.010	737

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Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
47	00501 *around Nashville, TN - Pt. 2	113,172	-0.144	-0.071	0.018	0.010	738
16	00200 *Northern (Coeur D'Alene-Lewiston-Moscow) ID - Pt. 2	100,533	-0.197	-0.174	-0.018	0.010	739
56	00400 *all (Cheyenne-Casper) WY - Pt. 4	113,621	-0.210	-0.229	-0.041	0.010	740
12	02702 *Hillsborough Co. (Tampa), FL - Pt. 2	149,564	0.056	-0.037	-0.026	0.009	741
39	03102 *Franklin Co. (Columbus), OH - Pt. 2	132,151	0.109	0.021	-0.013	0.009	742
34	01901 Union/Linden, NJ, NJ	157,776	0.314	0.212	0.020	0.009	743
49	00506 *Salt Lake Co. (City), UT - Pt. 6	101,835	-0.028	-0.028	0.004	0.009	744
36	04305 Shirley/Mastic/Mastic Beach, NY	116,448	0.205	0.168	0.031	0.009	745
48	03501 *El Paso Co. (El Paso), TX - Pt. 1	100,908	-0.170	-0.148	-0.013	0.009	746
6	01506 *Sacramento Co. (Sacramento), CA - Pt. 9	101,082	0.115	0.077	0.013	0.009	747
13	03500 *Chatham (Savannah), GA - Pt. 2	100,538	-0.011	-0.057	-0.016	0.009	748
29	02400 *Southwest (Springfield) MO - Pt. 2	174,145	-0.300	-0.207	-0.003	0.009	749
12	01300 *random (Tallahasee-Jacksonville) FL - Pt. 16	140,814	-0.170	-0.060	0.031	0.009	750
13	01301 Marietta, GA	112,650	0.118	0.082	0.014	0.009	751
12	01002 Alachua Co. (non-Gainesville), FL	110,204	-0.167	-0.154	-0.018	0.008	752
36	04114 Rockaways, NY	106,738	0.193	0.179	0.039	0.008	753
8	00502 Pueblo, CO	133,973	-0.228	-0.175	-0.010	0.008	754
28	02200 *Southern (Jackson-Hattiesburg-Gulfport) MS - Pt. 7	189,601	-0.222	-0.152	0.000	0.008	755
42	02801 *York/Adams/Franklin Cos. (York), PA - Pt. 1	112,465	-0.177	-0.099	0.012	0.008	756
12	03612 *Broward Co. (Fort Lauderdale), FL - Pt. 12	102,383	-0.022	0.001	0.015	0.008	757
34	00702 Union City/Hoboken, NJ	119,166	0.466	0.276	0.004	0.008	758
31	00901 *Douglas Co. (Omaha), NE - Pt. 1	128,997	-0.024	-0.064	-0.017	0.008	759
39	02700 *random (Toledo, Miami), OH - Pt. 20	109,989	0.043	0.013	0.001	0.008	760
12	02607 *Pinellas Co. (St. Petersburg), FL - Pt. 7	125,883	-0.064	-0.078	-0.012	0.008	761
8	00905 Colorado Springs (SE), CO	102,556	-0.103	-0.080	-0.001	0.008	762
13	00300 *Random (Dalton-Athens) GA - Pt. 2	161,774	-0.236	-0.135	0.012	0.008	763
8	00103 Grand Junction, CO	113,143	-0.068	-0.119	-0.032	0.008	764
18	00202 North Indiana/Lake/Hobart, IN	159,881	0.028	0.028	0.013	0.007	765
53	02005 Burien/SeaTac/White Center, WA	118,696	0.238	0.108	-0.011	0.007	766
39	00701 *Lake/Geauga/Ashtabula Cos. (Mentor), OH - Pt. 1	103,415	0.065	-0.011	-0.018	0.007	767
34	02104 Northeast Camden/Collingswood, NJ	116,010	0.225	0.146	0.012	0.007	768
53	01300 Tacoma, WA	193,556	0.076	0.044	0.006	0.007	769
35	00602 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 7	100,005	-0.068	-0.093	-0.019	0.007	770
35	00900 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 13	174,682	-0.287	-0.210	-0.011	0.007	771
6	02002 Lodi, CA	170,002	0.107	0.062	0.005	0.007	772
23	00700 *all (Portland-Bangor) MN - Pt. 7	103,793	-0.230	-0.159	-0.003	0.007	773
37	02703 *Wake Co. (Raleigh), NC - Pt. 5	119,336	-0.005	0.001	0.009	0.006	774
16	00800 Central S. Idaho, ID	162,397	-0.195	-0.191	-0.030	0.006	775
4	00121 *Maricopa Co. (Phoenix), AZ - Pt. 21	126,516	0.035	0.022	0.006	0.006	776
17	03003 *Other IL - Pt. 32	143,591	0.137	0.105	0.017	0.006	777
36	02202 *Saratoga Co. (Saratoga Springs), NY - Pt. 2	100,388	0.023	0.000	-0.001	0.006	778
12	02605 *Pinellas Co. (St. Petersburg), FL - Pt. 5	117,145	-0.079	-0.078	-0.009	0.006	779
56	00100 *all (Cheyenne-Casper) WY - Pt. 1	121,885	-0.135	-0.111	-0.009	0.006	780
48	05202 *Travis Co. (Austin), TX - Pt. 3	119,737	0.016	0.000	0.001	0.006	781
17	03303 Warren/Avon/Lake Villa, IL	191,558	0.145	0.141	0.032	0.006	782
5	01500 *Western (Fort Smith, Texarkana, Hot Springs) AR - Pt. 3	151,212	-0.321	-0.221	-0.007	0.006	783
18	02900 *random (Evansville) IN - Pt. 6	120,563	-0.094	-0.112	-0.022	0.006	784
12	01106 *random (Tallahasee-Jacksonville) FL - Pt. 14	101,008	-0.018	-0.043	-0.011	0.006	785
4	00116 Tempe, AZ	163,902	0.129	0.022	-0.023	0.006	786
35	00100 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 1	113,801	-0.260	-0.145	0.012	0.006	787
36	03202 Poughkeepsie/Wappinger/Fishkill, NY	158,577	0.137	0.123	0.025	0.005	788
45	02101 Charleston/North Charleston, SC	181,936	-0.060	-0.101	-0.027	0.005	789
24	00902 Howard/Columbia/Elkridge, MD	137,655	0.142	0.111	0.018	0.005	790
48	04620 *Harris Co. (Houston), TX - Pt. 20	108,898	0.129	0.069	0.000	0.005	791
53	02006 Kent/East Hill-Meridien, WA	114,225	0.178	0.113	0.007	0.005	792
4	00122 *Maricopa Co. (Phoenix), AZ - Pt. 22	100,117	-0.004	0.019	0.016	0.005	793
12	01901 *Volusia Co. (Deltona-Daytona Beach-Ormond Beach), FL - Pt. 1	192,698	-0.251	-0.125	0.019	0.005	794
39	00502 *Lorain Co. (Lorain-Elyria), OH - Pt. 2	143,414	0.005	0.008	0.008	0.005	795
39	03104 *Franklin Co. (Columbus), OH - Pt. 4	147,051	0.110	0.021	-0.018	0.005	796
22	01402 *Baton Rouge area, LA - Pt. 3	104,139	-0.052	-0.059	-0.009	0.005	797
2	00102 South Anchorage, AK	141,605	0.197	0.077	-0.016	0.005	798
34	00903 *Middlesex Co. (Edison), NJ - Pt. 3	133,594	0.349	0.223	0.010	0.005	799
44	00300 *all but Providence, RI - Pt. 2	114,797	0.000	0.017	0.013	0.004	800
42	03701 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 10	152,669	0.032	0.007	-0.002	0.004	801
49	00505 *Salt Lake Co. (City), UT - Pt. 5	113,043	-0.008	-0.028	-0.008	0.004	802
42	04202 *Delaware Co. (Chester), PA - Pt. 2	162,586	0.093	0.086	0.019	0.004	803
6	01902 North Stockton, CA	133,456	0.100	0.060	0.004	0.004	804

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
17	03104 *Other IL - Pt. 39	161,785	0.112	0.140	0.040	0.004	805
12	03903 Fort Myers/Villas/Cypress Lake, FL	115,661	-0.065	-0.100	-0.026	0.004	806
55	01700 *Jefferson/Walworth Cos. (Whitewater-Watertown), WI - Pt. 1	167,780	-0.032	-0.033	-0.002	0.004	807
39	00702 *Lake/Geauga/Ashtabula Cos. (Mentor), OH - Pt. 2	105,692	-0.022	-0.026	-0.002	0.004	808
24	00504 Baltimore/Carney/Towson, MD	109,029	0.139	0.069	-0.004	0.004	809
9	00400 *random CT - Pt. 4	154,723	0.318	0.156	-0.015	0.004	810
8	00812 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 21	117,406	0.113	0.048	-0.007	0.004	811
48	05500 *surrounding Houston, TX - Pt. 11	167,044	-0.197	-0.114	0.007	0.004	812
37	03700 *Cumberland Co. (Fayetteville), NC - Pt. 2	181,948	-0.266	-0.182	-0.007	0.003	813
11	00105 Downtown DC/Dupont, DC	107,507	0.352	0.177	-0.015	0.003	814
12	02502 *Pasco Co. (Dade City), FL - Pt. 2	119,444	-0.252	-0.119	0.020	0.003	815
29	01300 *Lebanon-Rolla-Fort Leonard Wood area, MO - Pt. 1	153,602	-0.387	-0.282	-0.020	0.003	816
39	01000 *Portage Co. (Kent), OH - Pt. 1	152,061	-0.082	-0.036	0.010	0.003	817
33	00100 *all (Manchester-Concord) NH - Pt. 1	114,854	-0.163	-0.120	-0.008	0.003	818
37	01000 *Charlottesville, Wilmington and other NC - Pt. 6	154,626	0.048	0.032	0.004	0.003	819
12	02703 *Hillsborough Co. (Tampa), FL - Pt. 3	116,729	-0.051	-0.039	-0.002	0.003	820
48	02202 *Denton Co. (Denton), TX - Pt. 2	189,207	0.013	0.038	0.017	0.003	821
42	01801 *Alleghany Co. (Pittsburgh), PA - Pt. 4	146,335	-0.049	-0.027	0.004	0.002	822
4	00204 N. Tucson, AZ	136,739	-0.117	-0.108	-0.016	0.002	823
9	01400 *random CT - Pt. 12	123,539	0.225	0.147	0.008	0.002	824
20	00601 *Johnson Co. (Overland Park) KS - Pt. 1	133,721	0.059	-0.005	-0.018	0.002	825
12	03505 Boynton Beach, FL	129,324	0.021	0.015	0.003	0.002	826
51	00900 Harrisonburg/Rockingham Co., VA	143,936	-0.103	0.008	0.037	0.002	827
51	02900 Norfolk, VA	234,403	-0.097	-0.097	-0.017	0.002	828
32	00200 Reno, NV	180,480	0.171	0.025	-0.037	0.002	829
44	00600 *all but Providence, RI - Pt. 5	167,090	0.048	0.014	-0.006	0.002	830
45	02000 *Southern (Beaufort) SC - Pt. 3	134,677	-0.254	-0.123	0.018	0.002	831
37	00100 *Western NC - Pt. 1	170,999	-0.254	-0.198	-0.020	0.002	832
48	01800 *Henderson/Anderson/Rusk etc Cos. (Henderson), TX - Pt. 2	128,386	-0.341	-0.140	0.036	0.002	833
4	00103 *Maricopa Co. (Phoenix), AZ - Pt. 3	174,453	0.001	0.022	0.013	0.002	834
46	00100 *random SD - Pt. 1	110,367	-0.267	-0.244	-0.039	0.002	835
26	03600 Livonia, MI	100,545	0.252	0.145	-0.002	0.002	836
42	03802 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 13	145,551	-0.007	0.012	0.010	0.002	837
9	01700 Milford/West Haven, CT	117,898	0.286	0.155	-0.008	0.002	838
48	03600 *random central (Fort Worth), TX - Pt. 24	143,846	-0.314	-0.186	0.004	0.001	839
13	00800 Dawson, Forsyth, & Pickens Cos., GA	137,389	0.004	0.047	0.024	0.001	840
9	01300 *random CT - Pt. 11	155,071	0.204	0.132	0.005	0.001	841
39	01102 *Summit Co. (Akron), OH - Pt. 2	118,826	-0.023	-0.019	-0.002	0.001	842
47	01900 *Hamilton Co. (Chattanooga), TN - Pt. 2	152,342	-0.159	-0.090	0.004	0.001	843
6	00300 Shasta Co.. (Redding), CA, CA	163,256	-0.025	-0.048	-0.016	0.001	844
42	03904 *Bucks Co. (Bensalem), PA - Pt. 4	123,878	0.086	0.077	0.013	0.001	845
31	00902 *Douglas Co. (Omaha), NE - Pt. 2	118,996	-0.018	-0.070	-0.029	0.001	846
24	01103 New Carrollton/East Riverdale, MD	101,990	0.160	0.145	0.025	0.001	847
26	03803 Canton/Plymouth, MI	164,885	0.212	0.136	0.004	0.001	848
47	01500 *Eastern (Knoxville-Johnson City), TN - Pt. 11	105,823	-0.244	-0.144	0.003	0.001	849
39	04103 *Montgomery Co. (Dayton), OH - Pt. 4	154,385	0.034	-0.006	-0.013	0.001	850
22	01000 *Lafayette area, LA - Pt. 1	110,257	-0.168	-0.117	-0.007	0.000	851
48	04612 *Harris Co. (Houston), TX - Pt. 12	118,845	0.071	0.072	0.015	0.000	852
48	05302 *Travis Co. (Austin), TX - Pt. 5	159,117	0.079	0.009	-0.020	0.000	853
2	00101 North Anchorage, AK	118,678	0.166	0.077	-0.012	0.000	854
12	01801 *Lake Co. (Tavares), FL - Pt. 1	105,439	-0.173	-0.090	0.008	0.000	855
47	00400 *around Nashville, TN - Pt. 1	133,501	-0.230	-0.081	0.030	0.000	856
12	04009 Downtown Miami/Edgewater/Little Haiti, FL	101,190	-0.034	-0.017	0.002	0.000	857
53	01500 *Western (Longview-Aberdeen-Port Angeles), WA - Pt. 2	156,778	-0.102	-0.065	-0.002	0.000	858
26	04104 Macomb & Chesterfield Twps., MI	112,842	0.120	0.127	0.027	-0.001	859
48	02507 *random central (Fort Worth), TX - Pt. 12	142,778	0.048	0.032	0.001	-0.001	860
6	02500 Modesto, CA	188,856	0.074	0.071	0.013	-0.001	861
36	01004 *West Central (surrounding Rochester, Elmira) NY - Pt. 4	166,548	0.080	0.000	-0.025	-0.001	862
4	00102 *Maricopa Co. (Phoenix), AZ - Pt. 2	109,336	-0.026	0.023	0.019	-0.001	863
6	05421 South L.A., CA	161,383	0.214	0.139	0.003	-0.001	864
17	02600 *Other IL - Pt. 26	125,031	-0.067	-0.025	0.006	-0.001	865
51	00501 Dale City/Woodbridge, VA	141,229	0.073	0.106	0.029	-0.001	866
49	00400 *Eastern (Ogden-Vernal-Price) UT - Pt. 2	146,776	-0.118	-0.082	-0.007	-0.001	867
34	01202 *Ocean Co. (Toms River), NJ - Pt. 2	157,566	0.120	0.143	0.034	-0.001	868
48	02311 Irving, TX	191,615	0.137	0.074	-0.006	-0.001	869
48	02201 *Denton Co. (Denton), TX - Pt. 1	243,769	0.039	0.058	0.016	-0.001	870
51	00800 Winchester/Frederick & Shenandoah Cos., VA	109,249	-0.051	0.044	0.036	-0.001	871



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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
47	02100 *Central Tennessee - Pt. 4	132,219	-0.362	-0.231	-0.007	-0.001	872
23	00800 *all (Portland-Bangor) MN - Pt. 8	135,110	-0.365	-0.210	0.004	-0.001	873
28	02100 *Southern (Jackson-Hattiesburg-Gulfport) MS - Pt. 6	124,354	-0.407	-0.181	0.031	-0.002	874
39	00602 *Cuyahoga Co. (excl. Cleveland), OH - Pt. 2	129,959	0.077	0.038	-0.006	-0.002	875
24	01105 Bowie/Upper Marlboro, MD	138,755	0.129	0.145	0.032	-0.002	876
48	02509 *random central (Fort Worth), TX - Pt. 14	142,626	-0.002	0.028	0.013	-0.002	877
34	00703 Bayonne/Kearny, NJ	119,156	0.268	0.205	0.019	-0.002	878
37	02300 *Randolph/Alamance Cos.(Burlington), NC - Pt. 2	130,800	-0.164	-0.104	-0.004	-0.002	879
42	01806 *Alleghany Co. (Pittsburgh), PA - Pt. 9	105,862	-0.034	-0.023	-0.003	-0.002	880
17	03411 Worth/Calumet, IL	174,613	0.134	0.143	0.029	-0.002	881
51	00400 Manassas/Bull Run, VA	117,869	-0.151	-0.057	0.015	-0.002	882
33	00800 Manchester, NH	107,006	0.097	0.026	-0.018	-0.002	883
13	01900 Cherokee Co., GA	141,903	-0.026	0.047	0.029	-0.002	884
39	00201 *random (Toledo, Miami), OH - Pt. 2	157,310	-0.024	-0.029	-0.009	-0.002	885
16	00700 *Ada Co. (Boise), ID - Pt. 2	115,117	-0.096	-0.091	-0.019	-0.002	886
12	02207 *Orange Co. (Orlando), FL - Pt. 7	104,160	-0.141	-0.042	0.019	-0.002	887
13	00500 *Random (Dalton-Athens) GA - Pt. 4	153,444	-0.170	-0.109	-0.005	-0.002	888
25	00200 Greenfield/Athol, MA	118,963	-0.062	-0.026	0.003	-0.002	889
44	00200 *all but Providence, RI - Pt. 1	156,152	0.075	0.020	-0.015	-0.002	890
51	02100 Hampton, VA	146,437	-0.134	-0.102	-0.013	-0.003	891
48	05607 *Bexar Co. (San Antonio), TX - Pt. 7	171,968	-0.093	-0.080	-0.015	-0.003	892
29	01707 *St. Louis Co., MO - Pt. 7	160,962	0.056	0.023	-0.008	-0.003	893
48	04000 *surrounding Houston, TX - Pt. 3	152,415	-0.133	-0.135	-0.030	-0.003	894
12	02602 *Pinellas Co. (St. Petersburg), FL - Pt. 2	103,249	-0.098	-0.073	-0.010	-0.003	895
34	00701 North Bergen/W. New York, NJ	130,598	0.345	0.235	0.010	-0.003	896
8	00809 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 18	103,816	0.084	0.056	-0.001	-0.003	897
24	01500 Calvert/St. Mary's, MD	160,774	0.018	0.084	0.034	-0.003	898
31	00701 *Eastern (Columbus-Norfolk-Fremont) NE - Pt. 3	100,865	-0.259	-0.139	0.006	-0.003	899
6	05300 East Los Angeles, CA	124,283	0.236	0.135	-0.007	-0.003	900
34	00200 Cape May Co., NJ	102,326	0.151	0.082	-0.008	-0.003	901
45	00500 *York Co. (Rock Hill), SC - Pt. 1	164,614	-0.138	-0.067	0.005	-0.003	902
22	01905 *New Orleans surroundings, LA - Pt. 6	100,573	-0.189	-0.078	0.015	-0.003	903
24	01107 Suitland-Silver Hill/Oxon Hill-Glassmanor, MD	105,458	0.144	0.150	0.028	-0.004	904
5	01100 *Little Rock & N. Central AR - Pt. 5	222,371	-0.274	-0.140	0.009	-0.004	905
22	01700 *New Orleans surroundings, LA - Pt. 1	100,588	-0.357	-0.127	0.041	-0.004	906
6	05422 Central City, CA	119,937	0.150	0.134	0.018	-0.004	907
12	00800 *random (Tallahassee-Jacksonville) FL - Pt. 7	117,907	-0.374	-0.214	0.003	-0.004	908
12	03509 Wellington/Belle Glade, FL	154,910	-0.046	0.014	0.017	-0.004	909
41	01301 North Portland/OR-WA border/Lake Smith, OR	101,197	0.118	0.034	-0.023	-0.004	910
53	02200 *Clark Co. (Vancouver), WA - Pt. 3	143,560	0.092	0.030	-0.017	-0.004	911
12	01600 *random (Tallahassee-Jacksonville) FL - Pt. 17	171,430	-0.309	-0.150	0.015	-0.004	912
24	01106 *Prince George's Co., MD - Pt. 6	133,467	0.089	0.142	0.040	-0.004	913
9	01600 *random CT - Pt. 14	117,335	0.229	0.143	-0.002	-0.004	914
48	02315 *Dallas Co. (Dallas), TX - Pt. 15	210,580	0.167	0.081	-0.015	-0.004	915
8	00806 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 15	110,684	0.056	0.053	0.005	-0.004	916
36	01700 Ithaca, NY	129,843	-0.110	-0.101	-0.021	-0.004	917
6	01402 *Sacramento Co. (Sacramento), CA - Pt. 2	108,826	0.151	0.079	-0.011	-0.004	918
18	02500 *Surrounding Marion Co., IN - Pt. 6	170,782	-0.091	-0.012	0.017	-0.004	919
25	01200 Lynn/Saugus, MA	118,760	0.219	0.132	-0.005	-0.004	920
18	00300 *Porter Co. (Portage), IN - Pt. 1	146,798	-0.025	0.024	0.015	-0.004	921
2	00200 Wasilla/Kenai, AK	109,013	-0.067	0.058	0.045	-0.004	922
12	03902 *Lee Co. (Cape Coral-Fort Myers), FL - Pt. 3	105,694	-0.216	-0.099	0.012	-0.005	923
19	01600 *N. of Des Moines, IA - Pt. 1	146,955	-0.151	-0.125	-0.021	-0.005	924
24	01002 *Montgomery Co. (Bethesda), MD - Pt. 2	114,454	0.141	0.150	0.028	-0.005	925
49	00200 *Eastern (Ogden-Vernal-Price) UT - Pt. 1	196,533	-0.105	-0.060	-0.003	-0.005	926
6	01403 *Sacramento Co. (Sacramento), CA - Pt. 3	170,602	0.133	0.082	-0.004	-0.005	927
48	02102 *Collin Co. (McKinney), TX - Pt. 2	152,874	0.102	0.100	0.014	-0.005	928
6	05100 El Monte, CA	115,965	0.213	0.130	-0.004	-0.005	929
37	00904 *Charlottesville, Wilmington and other NC - Pt. 4	100,665	0.065	0.033	-0.008	-0.005	930
2	00300 Juneau/Ketchikan/Fairbanks, AK	157,110	0.199	0.028	-0.052	-0.005	931
6	02107 Pittsburg-Bay Point, CA	108,255	0.214	0.215	0.038	-0.005	932
51	02000 Newport News, VA	180,150	-0.160	-0.105	-0.009	-0.005	933
12	03502 *Palm Beach Co. (West Palm Beach), FL - Pt. 2	129,888	0.047	0.013	-0.013	-0.005	934
10	00300 *Kent/Sussex Co. (Dover-Seaford), DE - Pt. 2	156,638	-0.100	-0.073	-0.011	-0.005	935
34	00501 Clifton/Passaic City, NJ	146,533	0.352	0.200	-0.012	-0.006	936
48	05608 *Bexar Co. (San Antonio), TX - Pt. 8	108,322	-0.111	-0.082	-0.013	-0.006	937
6	02402 Downtown & W. Oakland/Emeryville, CA	157,015	0.336	0.224	0.004	-0.006	938

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FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
39	00604 *Cuyahoga Co. (excl. Cleveland), OH - Pt. 3	119,017	0.047	0.038	-0.001	-0.006	939
49	00301 *Northwest (Layton-Brigham City)UT - Pt. 2	132,800	-0.080	-0.049	-0.006	-0.006	940
12	02708 *Hillsborough Co. (Tampa), FL - Pt. 8	106,192	-0.136	-0.038	0.017	-0.006	941
16	00600 *Ada Co. (Boise), ID - Pt. 1	185,787	-0.030	-0.081	-0.037	-0.006	942
53	00300 Green Bay, WI, WA	172,145	-0.046	-0.081	-0.033	-0.006	943
24	00502 Baltimore/Milford Mill/Randallstown, MD	106,098	0.036	0.073	0.019	-0.006	944
29	00902 *Northern (Kansas City) MO - Pt. 9	176,938	-0.150	-0.066	0.007	-0.006	945
40	01500 *random OK - Pt. 14	160,745	-0.245	-0.161	-0.012	-0.006	946
25	04000 *random MA - Pt. 35	113,352	0.104	0.120	0.022	-0.006	947
19	01500 *Polk Co. (Des Moines), IA - Pt. 2	175,919	-0.012	-0.039	-0.022	-0.006	948
48	05201 *Travis Co. (Austin), TX - Pt. 2	130,230	-0.084	-0.007	0.016	-0.006	949
24	01600 Charles, MD	120,546	0.015	0.113	0.046	-0.006	950
12	01001 Gainesville, FL, FL	107,751	-0.162	-0.153	-0.034	-0.006	951
36	01603 *Erie Co. (excl Buffalo), NY - Pt. 3	101,039	-0.058	-0.031	-0.004	-0.006	952
6	05702 Long Beach, CA	196,892	0.239	0.147	-0.006	-0.006	953
28	01500 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 12	141,751	-0.203	-0.108	0.001	-0.007	954
36	04309 Brentwood/Central Islip, NY	115,597	0.200	0.175	0.020	-0.007	955
51	00700 Fredericksburg/Spotsylvania & Culpeper Cos., VA	202,381	-0.210	-0.090	0.012	-0.007	956
27	01700 *Washington Co., MN - Pt. 1	201,130	0.079	0.069	0.004	-0.007	957
53	02101 *Clark Co. (Vancouver), WA - Pt. 1	100,605	0.066	0.029	-0.013	-0.007	958
32	00510 *Las Vegas, NV - Pt. 10	121,992	0.149	0.081	-0.012	-0.007	959
36	01602 *Erie Co. (excl Buffalo), NY - Pt. 2	116,510	-0.006	-0.029	-0.020	-0.007	960
1	02000 *random AL - Pt. 17	131,487	-0.268	-0.141	0.004	-0.007	961
48	03701 *random central (Fort Worth), TX - Pt. 25	105,351	-0.260	-0.206	-0.031	-0.007	962
6	02602 Riverbank/Oakdale, CA	119,904	0.018	0.076	0.025	-0.007	963
12	04002 Carol City/Norland/Scott Lake, FL	104,643	-0.089	-0.011	0.014	-0.007	964
24	01201 Anne Arundel/Severn, MD	128,129	0.107	0.105	0.013	-0.008	965
51	01000 Charlottesville/Albemarle & Fluvanna Cos., VA	159,576	-0.014	-0.010	-0.008	-0.008	966
6	03402 Downtown Fresno/ Clovis City, CA	231,872	0.017	-0.002	-0.014	-0.008	967
12	00102 *Escambia/Santa Rosa Co. (Pensacola), FL - Pt. 2	101,357	-0.262	-0.142	0.001	-0.008	968
37	01500 *Charlottesville, Wilmington and other NC - Pt. 9	122,660	-0.110	-0.068	-0.008	-0.008	969
25	02100 Southbridge/Northbridge/Oxford, MA	119,894	0.004	0.068	0.025	-0.008	970
9	01200 *random CT - Pt. 10	130,176	0.180	0.077	-0.024	-0.008	971
42	01900 *Butler Co. (Butler), PA - Pt. 1	174,083	-0.170	-0.070	0.009	-0.008	972
29	02300 *South Central (West Plains) MO - Pt. 1	119,490	-0.565	-0.334	-0.004	-0.008	973
39	00904 South Austintown, OH	110,218	-0.122	-0.059	-0.001	-0.008	974
42	00802 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 5	130,094	-0.194	-0.110	-0.005	-0.009	975
24	00300 Frederick/Frederick City, MD	195,277	0.054	0.112	0.031	-0.009	976
12	02401 *Polk Co. (Lakeland), FL - Pt. 1	150,697	-0.233	-0.104	0.010	-0.009	977
29	01001 *Northern (Kansas City) MO - Pt. 10	118,635	-0.079	-0.045	-0.007	-0.009	978
12	01502 *Marion Co. (Ocala), FL - Pt. 2	154,245	-0.339	-0.155	0.017	-0.009	979
17	03513 Near South Chicago/Midway Int'l Airport, IL	204,193	0.120	0.149	0.029	-0.009	980
26	03801 Grosse Point/Hamtramck, MI	101,676	0.176	0.130	0.002	-0.009	981
39	03108 *Franklin Co. (Columbus), OH - Pt. 8	120,156	0.032	0.018	-0.010	-0.009	982
32	00504 Lower Strip, NV	140,052	0.167	0.078	-0.021	-0.009	983
31	00801 *Lancaster Co. (Lincoln), NE - Pt. 1	138,439	-0.186	-0.136	-0.021	-0.010	984
51	01500 Hanover & Powhatan Cos., VA	125,560	-0.069	-0.007	0.007	-0.010	985
6	02404 S.E. Oakland, CA	131,451	0.267	0.204	0.011	-0.010	986
6	04406 north Bernardino/ Apple Valley/Hesperia, CA	185,721	-0.058	0.063	0.039	-0.010	987
12	04006 West Little River/Pinewood, FL	101,338	-0.152	-0.014	0.029	-0.010	988
53	01100 *Western (Longview-Aberdeen-Port Angeles), WA - Pt. 1	125,805	-0.033	0.006	0.003	-0.010	989
48	04610 *Harris Co. (Houston), TX - Pt. 10	124,409	0.053	0.069	0.008	-0.010	990
19	01200 *Southwest (Council Bluffs) IA - Pt. 1	182,531	-0.317	-0.197	-0.013	-0.010	991
8	00400 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 5	133,491	-0.285	-0.172	-0.010	-0.011	992
26	03500 Lapeer & St. Clair Cos. (Port Huron), MI	252,139	-0.048	0.050	0.029	-0.011	993
49	00601 *Utah Co. (Provo), UT - Pt. 1	137,652	-0.016	-0.040	-0.027	-0.011	994
48	00300 *Potter/Randall (Amarillo), TX - Pt. 2	104,312	-0.188	-0.138	-0.023	-0.011	995
37	04100 *Charlottesville, Wilmington and other NC - Pt. 14	128,109	-0.356	-0.170	0.012	-0.011	996
6	06119 Compton/Willowbrook, CA	149,972	0.171	0.144	0.008	-0.011	997
4	00115 W. Mesa City, AZ	152,860	0.035	0.018	-0.013	-0.011	998
29	00800 *Northern (Kansas City) MO - Pt. 7	158,131	-0.121	-0.051	0.000	-0.011	999
36	01605 *Erie Co. (excl Buffalo), NY - Pt. 5	168,153	-0.116	-0.041	0.003	-0.011	1000
35	00300 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 3	114,041	-0.370	-0.284	-0.041	-0.012	1001
13	02400 *Random (Dalton-Athens) GA - Pt. 13	110,519	-0.217	-0.101	0.004	-0.012	1002
12	03607 Lauderhill, FL	106,010	-0.037	0.006	0.003	-0.012	1003
25	04500 *random MA - Pt. 40	175,198	0.014	0.041	0.004	-0.012	1004
13	01305 Kennesaw, GA	167,891	-0.034	0.075	0.036	-0.012	1005

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
26	01401 Kentwood/East Grand Rapids, MI	137,858	0.042	0.021	-0.014	-0.012	1006
45	00100 *Pickens/Oconee Co. (Seneca), SC - Pt. 1	176,972	-0.260	-0.136	-0.001	-0.012	1007
30	00200 *Northern and Eastern (Havre) MT - Pt. 1	145,879	-0.357	-0.301	-0.054	-0.012	1008
5	00400 *Little Rock & N. Central AR - Pt. 1	127,980	-0.475	-0.263	0.000	-0.012	1009
12	01400 *St. Johns/Putnam (St. Augustine) - Pt. 2	120,255	-0.274	-0.125	0.008	-0.012	1010
39	04200 *random (Toledo, Miami), OH - Pt. 30	158,383	-0.015	0.015	0.000	-0.012	1011
4	00114 E. Mesa City, AZ	183,523	-0.018	0.019	0.003	-0.012	1012
48	04616 *Harris Co. (Houston), TX - Pt. 16	124,534	0.033	0.072	0.014	-0.012	1013
13	00600 Hall Co., GA	139,277	-0.114	-0.035	0.005	-0.012	1014
42	01803 *Alleghany Co. (Pittsburgh), PA - Pt. 6	129,336	-0.050	-0.018	-0.006	-0.013	1015
9	00900 *random CT - Pt. 7	136,364	0.084	0.109	0.016	-0.013	1016
12	03606 Tamarac/Lauderdale Lakes/Oakland Park, FL	174,040	-0.022	0.008	-0.002	-0.013	1017
26	03300 Ypsilanti/Saline/Pittsfield Twp., MI	208,871	0.121	0.099	0.000	-0.013	1018
49	00100 *Northwest (Layton-Brigham City)UT - Pt. 1	176,832	-0.172	-0.076	0.001	-0.013	1019
39	04601 *random (Toledo, Miami), OH - Pt. 31	104,464	-0.053	0.008	0.007	-0.013	1020
48	04605 *Harris Co. (Houston), TX - Pt. 5	121,881	0.104	0.071	-0.009	-0.013	1021
51	01900 Northern Neck/Eastern Shore, VA	162,569	-0.252	-0.102	0.012	-0.013	1022
51	00502 Stafford & King George Cos., VA	185,009	0.040	0.119	0.034	-0.013	1023
49	00602 *Utah Co. (Provo), UT - Pt. 2	105,387	-0.010	-0.046	-0.033	-0.013	1024
37	01400 *Charlottesville, Wilmington and other NC - Pt. 8	123,677	-0.116	-0.028	0.008	-0.013	1025
45	01200 *Richland Co. (Columbia), SC - Pt. 2	204,801	-0.161	-0.091	-0.010	-0.013	1026
48	02505 *random central (Fort Worth), TX - Pt. 10	155,753	0.005	0.023	-0.003	-0.013	1027
37	00600 *Northwest (Boone-N. Wilkesboro) NC - Pt. 2	147,528	-0.331	-0.173	0.001	-0.014	1028
12	03504 *Palm Beach Co. (West Palm Beach), FL - Pt. 4	107,544	-0.023	0.011	-0.001	-0.014	1029
27	01601 *Northern Ramsey Co., MN - Pt. 1	101,057	0.106	0.079	-0.007	-0.014	1030
12	02002 *Seminole/Osceola Co. (Sanford-Kissimmee), FL - Pt. 2	104,758	-0.150	-0.050	0.007	-0.014	1031
27	01501 *Southern Ramsey Co. (Saint Paul), MN - Pt. 1	165,028	0.139	0.077	-0.018	-0.014	1032
39	02201 *random (Toledo, Miami), OH - Pt. 14	137,297	-0.140	-0.069	-0.006	-0.014	1033
34	00905 *Middlesex Co. (Edison), NJ - Pt. 5	165,215	0.274	0.217	0.011	-0.014	1034
45	01001 *Lexington Co., SC - Pt. 1	103,055	-0.165	-0.081	-0.005	-0.014	1035
42	03302 *Lancaster Co. (Lancaster), PA - Pt. 2	142,287	-0.058	-0.021	-0.007	-0.014	1036
51	01700 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 13	116,274	-0.174	-0.098	-0.011	-0.014	1037
12	00101 *Escambia/Santa Rosa Co. (Pensacola), FL - Pt. 1	193,053	-0.247	-0.141	-0.010	-0.014	1038
12	02501 *Pasco Co. (Dade City), FL - Pt. 1	117,591	-0.247	-0.084	0.019	-0.014	1039
20	00300 *Other (Wichita, Topeka, Lawrence) KS - Pt. 1	154,234	-0.379	-0.251	-0.025	-0.015	1040
17	01202 *Other IL - Pt. 16	158,273	-0.176	-0.046	0.016	-0.015	1041
40	01000 *random OK - Pt. 8	128,132	-0.309	-0.132	0.013	-0.015	1042
40	01400 *random OK - Pt. 13	227,950	-0.256	-0.139	-0.007	-0.015	1043
36	00300 *Northeastern (Glens Falls-Plattsburgh), NY - Pt. 2	124,345	-0.182	-0.075	0.003	-0.015	1044
13	01503 Snellville, GA	103,717	-0.060	0.071	0.039	-0.015	1045
42	03303 *Lancaster Co. (Lancaster), PA - Pt. 3	164,383	-0.073	-0.022	-0.004	-0.015	1046
13	01504 Lilburn, GA	121,758	0.033	0.069	0.009	-0.015	1047
18	02400 *Surrounding Marion Co., IN - Pt. 5	115,209	-0.097	-0.014	0.007	-0.015	1048
55	01000 *Baraboo-Beaver Dam area, WI - Pt. 1	193,590	-0.164	-0.085	-0.008	-0.015	1049
39	03300 *random (Toledo, Miami), OH - Pt. 25	122,759	-0.123	-0.020	0.012	-0.015	1050
48	04501 *surrounding Houston, TX - Pt. 5	131,142	-0.057	0.022	0.013	-0.015	1051
6	05418 downtown Los Angeles, CA	107,542	0.165	0.138	0.003	-0.015	1052
29	01500 *Northern (Kansas City) MO - Pt. 16	157,276	-0.247	-0.085	0.017	-0.015	1053
37	00901 *Charlottesville, Wilmington and other NC - Pt. 1	100,238	0.080	0.036	-0.022	-0.015	1054
53	00902 *Yakima Co. (Yakima), WA - Pt. 2	122,240	-0.020	-0.033	-0.026	-0.015	1055
29	01601 *St. Charles Co. (St. Charles), MO - Pt. 1	142,422	-0.100	0.004	0.017	-0.015	1056
39	00610 *Cuyahoga Co. (excl. Cleveland), OH - Pt. 6	106,580	0.042	0.029	-0.014	-0.016	1057
33	00500 *all (Manchester-Concord) NH - Pt. 5	114,283	-0.106	-0.057	-0.012	-0.016	1058
27	01402 *Western Hennepin Co. , MN - Pt. 2	186,407	0.114	0.100	0.000	-0.016	1059
25	00700 *random MA - Pt. 7	147,079	0.171	0.127	-0.004	-0.016	1060
6	02101 Richmond, CA	126,004	0.279	0.219	0.009	-0.016	1061
12	03300 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 4	192,695	-0.245	-0.108	0.005	-0.016	1062
48	06302 *Southern (Corpus Christi-Laredo), TX - Pt. 4	155,622	-0.145	-0.090	-0.016	-0.016	1063
13	03600 *Coastal (Brunswick-Hinesville-St. Marys) GA - Pt. 1	143,713	-0.319	-0.131	0.015	-0.016	1064
51	02400 Blacksburg/Redford, VA	165,146	-0.318	-0.172	-0.005	-0.016	1065
35	00605 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 10	104,539	-0.195	-0.101	-0.007	-0.016	1066
54	00300 *Morgantown area WV - Pt. 2	111,200	-0.348	-0.175	0.002	-0.016	1067
37	02702 *Wake Co. (Raleigh), NC - Pt. 4	123,051	-0.048	0.009	0.003	-0.016	1068
34	01800 Elisabeth, NJ, NJ	120,568	0.256	0.190	0.001	-0.016	1069
9	00700 *random CT - Pt. 6	111,128	0.245	0.150	-0.016	-0.016	1070
47	00900 *Eastern (Knoxville-Johnson City), TN - Pt. 4	154,817	-0.428	-0.234	-0.003	-0.016	1071
24	00505 Baltimore/Perry Hall, MD	101,132	0.008	0.068	0.015	-0.016	1072

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
27	01602 *Northern Ramsey Co., MN - Pt. 2	122,827	0.108	0.079	-0.010	-0.016	1073
37	02801 *Durham Co. (Durham), NC - Pt. 1	113,874	0.080	0.017	-0.032	-0.016	1074
56	00300 *all (Cheyenne-Casper) WY - Pt. 3	140,300	-0.329	-0.192	-0.013	-0.016	1075
41	00100 Central Erie, OR	119,045	-0.166	-0.135	-0.034	-0.017	1076
42	01702 *Alleghany Co. (Pittsburgh), PA - Pt. 2	102,711	-0.047	-0.005	-0.005	-0.017	1077
42	03301 *Lancaster Co. (Lancaster), PA - Pt. 1	163,988	-0.019	-0.021	-0.022	-0.017	1078
48	04613 *Harris Co. (Houston), TX - Pt. 13	132,397	0.062	0.065	-0.003	-0.017	1079
27	01406 *Western Hennepin Co., MN - Pt. 6	120,053	0.183	0.099	-0.023	-0.017	1080
47	03104 *Shelby Co. (Memphis), TN - Pt. 4	120,682	-0.003	0.003	-0.015	-0.017	1081
36	02402 Albany Co. (excl. City/ Colonie), NY	190,274	0.018	0.009	-0.018	-0.017	1082
12	02103 *Brevard Co. (Palm Bay-Melbourne-Titusville), FL - Pt. 3	100,779	-0.193	-0.103	-0.010	-0.017	1083
4	00800 Gila/Pinal Co., AZ, AZ	231,062	-0.165	-0.062	0.002	-0.017	1084
37	04300 *random NC - Pt. 8	113,329	-0.321	-0.184	-0.012	-0.017	1085
54	00500 *N. Central (Upshur Co. etc) WV - Pt. 1	113,325	-0.560	-0.290	0.008	-0.017	1086
48	02503 *random central (Fort Worth), TX - Pt. 8	188,741	-0.055	0.003	0.001	-0.017	1087
23	00900 *all (Portland-Bangor) MN - Pt. 9	165,756	-0.312	-0.180	-0.013	-0.017	1088
6	00500 *random (Mendocino-Placerville) CA - Pt. 3	114,318	-0.079	-0.034	-0.010	-0.017	1089
18	01901 *Surrounding Marion Co., IN - Pt. 1	118,791	-0.034	0.020	0.003	-0.018	1090
53	00602 *Spokane Co. (Spokane), WA - Pt. 3	114,856	-0.114	-0.088	-0.027	-0.018	1091
39	00611 *Cuyahoga Co. (excl. Cleveland), OH - Pt. 7	101,344	-0.012	0.017	-0.006	-0.018	1092
34	01201 *Ocean Co. (Toms River), NJ - Pt. 1	190,598	0.035	0.141	0.042	-0.018	1093
46	00700 Sioux Falls, SD, SD	123,975	-0.179	-0.163	-0.045	-0.018	1094
37	03100 *random NC - Pt. 3	140,065	-0.268	-0.111	0.008	-0.018	1095
13	01502 Sugar Hill/Buford, GA	131,284	-0.068	0.068	0.037	-0.018	1096
11	00103 Capitol Hill/NE, DC	117,201	0.205	0.173	0.006	-0.018	1097
6	04200 northwest Bernardino/Fontana, CA	128,929	-0.003	0.097	0.031	-0.018	1098
30	00400 Yellowstone Co., MT, MT	129,352	-0.240	-0.176	-0.033	-0.018	1099
55	02102 *Milwaukee Co. (excl. city), WI - Pt. 2	229,398	0.040	0.031	-0.015	-0.018	1100
36	01100 *West Central (surrounding Rochester, Elmira) NY - Pt. 6	100,224	-0.138	-0.051	-0.002	-0.018	1101
37	00903 *Charlottesville, Wilmington and other NC - Pt. 3	103,408	-0.020	0.036	0.006	-0.019	1102
55	01900 *Racine Co. (Racine), WI - Pt. 1	188,831	-0.070	-0.008	-0.002	-0.019	1103
53	00500 *Spokane Co. (Spokane), WA - Pt. 1	195,629	-0.126	-0.084	-0.022	-0.019	1104
47	02300 *around Nashville, TN - Pt. 4	182,023	-0.160	-0.033	0.013	-0.019	1105
48	02600 *random central (Fort Worth), TX - Pt. 17	126,811	-0.220	-0.043	0.026	-0.019	1106
44	00400 *all but Providence, RI - Pt. 3	177,035	-0.002	0.017	-0.010	-0.019	1107
26	01900 E. Lansing/Okemos, MI	164,999	-0.003	0.023	-0.006	-0.019	1108
22	01903 *New Orleans surroundings, LA - Pt. 4	101,690	-0.179	-0.077	-0.003	-0.019	1109
42	00902 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 7	113,408	-0.179	-0.079	-0.004	-0.019	1110
45	01002 *Lexington Co., SC - Pt. 2	112,557	-0.225	-0.079	0.010	-0.019	1111
12	00400 *random (Tallahassee-Jacksonville) FL - Pt. 2	126,893	-0.419	-0.195	0.011	-0.019	1112
55	00400 *Menomomie area, WI - Pt. 1	222,852	-0.265	-0.125	-0.001	-0.019	1113
26	00400 Petoskey/Charlevoix (NNW LP), MI	142,170	-0.205	-0.122	-0.018	-0.019	1114
37	01900 *Forsyth Co. (Winston-Salem), NC - Pt. 2	120,291	-0.141	-0.048	-0.001	-0.019	1115
21	01902 *Fayette Co. (Lexington), KY - Pt. 2	148,684	-0.116	-0.069	-0.019	-0.019	1116
37	01300 *Rowan/Cabarrus Cos. (Salisbury), NC - Pt. 2	131,063	-0.131	-0.014	0.013	-0.020	1117
28	01900 *Southern (Jackson-Hattiesburg-Gulfport) MS - Pt. 4	111,674	-0.387	-0.201	-0.003	-0.020	1118
37	00700 *Catawba Co. (Hickory), NC - Pt. 1	141,685	-0.167	-0.106	-0.022	-0.020	1119
42	03101 *Cumberland Co. (Carlisle), PA - Pt. 1	130,105	0.013	-0.011	-0.029	-0.020	1120
12	02404 *Polk Co. (Lakeland), FL - Pt. 4	105,224	-0.232	-0.105	-0.002	-0.020	1121
45	02200 Goose Creek/Hanahan, SC	142,651	-0.270	-0.108	0.008	-0.020	1122
27	01201 *Dakota Co. (Eagen), MN - Pt. 1	145,567	0.117	0.082	-0.015	-0.020	1123
22	00700 *Rapides Parish (Alexandria), LA - Pt. 1	126,337	-0.385	-0.173	0.010	-0.020	1124
6	02601 Turlock/Ceres, CA	138,237	-0.006	0.058	0.011	-0.020	1125
47	02204 *Davidson Co. (Nashville), TN - Pt. 4	113,959	-0.092	-0.034	-0.009	-0.020	1126
10	00200 *Kent/Sussex Co. (Dover-Seaford), DE - Pt. 1	126,697	-0.154	-0.066	-0.006	-0.020	1127
48	04607 *Harris Co. (Houston), TX - Pt. 7	135,809	0.105	0.077	-0.014	-0.020	1128
47	02500 *Western (Jackson-Clarksville) TN - Pt. 4	124,364	-0.402	-0.165	0.020	-0.020	1129
48	02511 *random central (Fort Worth), TX - Pt. 16	102,056	-0.169	-0.004	0.029	-0.020	1130
47	01600 *Eastern (Knoxville-Johnson City), TN - Pt. 12	129,957	-0.340	-0.153	0.006	-0.021	1131
4	00700 *Mohave/La Paz Co. (Lake Havasu City-Kingman), AZ - Pt. 2	160,026	-0.138	-0.095	-0.026	-0.021	1132
48	04603 *Harris Co. (Houston), TX - Pt. 3	112,240	0.117	0.071	-0.021	-0.021	1133
36	03101 *Central (Utica-Oneonta-Kingston), NY - Pt. 5	102,411	-0.110	0.011	0.018	-0.021	1134
18	02600 *random (Evansville) IN - Pt. 3	108,203	-0.351	-0.114	0.029	-0.021	1135
6	03200 Madera, CA	123,109	-0.075	0.007	0.006	-0.021	1136
22	01803 *New Orleans (Orleans Parish), LA - Pt. 3	138,125	-0.193	-0.074	0.001	-0.021	1137
28	01300 *Southern (Jackson-Hattiesburg-Gulfport) MS - Pt. 1	115,327	-0.258	-0.111	0.002	-0.021	1138
37	03200 *random NC - Pt. 4	109,224	-0.406	-0.184	0.010	-0.021	1139

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
19	01900 *Scott Co. (Davenport), IA - Pt. 1	158,668	-0.172	-0.110	-0.024	-0.021	1140
18	03800 *random (Evansville) IN - Pt. 14	129,784	-0.198	-0.092	-0.007	-0.021	1141
26	03900 Sterling Heights, MI	124,471	0.158	0.150	0.006	-0.021	1142
18	03200 *E. Southeast IN - Pt. 1	119,025	-0.223	-0.056	0.019	-0.021	1143
22	01401 *Baton Rouge area, LA - Pt. 2	102,496	-0.228	-0.064	0.016	-0.021	1144
37	02100 *Northwest (Boone-N. Wilkesboro) NC - Pt. 3	115,894	-0.256	-0.099	0.007	-0.021	1145
12	01101 Duval/Jacksonville/Nassau, FL	106,695	-0.166	-0.042	0.008	-0.021	1146
29	00901 *Northern (Kansas City) MO - Pt. 8	180,150	-0.221	-0.063	0.014	-0.022	1147
12	00702 Leon Co. (non Tallahassee), FL, FL	112,757	-0.265	-0.118	0.000	-0.022	1148
45	01100 *Richland Co. (Columbia), SC - Pt. 1	116,278	-0.105	-0.092	-0.036	-0.022	1149
42	04101 Northeast Philly/riverbank/Rhawhurst, PA	158,123	0.000	0.087	0.022	-0.022	1150
46	00600 *random SD - Pt. 5	105,059	-0.367	-0.222	-0.021	-0.022	1151
5	00100 *Northwest (Springdale) AR - Pt. 1	153,406	-0.223	-0.138	-0.023	-0.022	1152
16	00500 *Southwest (Nampa-Mountain Home) ID - Pt. 2	131,441	-0.263	-0.141	-0.012	-0.022	1153
22	01801 *New Orleans (Orleans Parish), LA - Pt. 1	115,878	-0.208	-0.074	0.004	-0.022	1154
49	00503 *Salt Lake Co. (City), UT - Pt. 3	129,505	-0.091	-0.031	-0.010	-0.022	1155
4	00900 Graham/Cochise/Santa Cruz Co., AZ, AZ	198,172	-0.262	-0.159	-0.022	-0.022	1156
36	03707 University Hts./Fordham, NY	133,890	0.182	0.192	0.018	-0.022	1157
31	00702 *Eastern (Columbus-Norfolk-Fremont) NE - Pt. 4	120,834	-0.161	-0.108	-0.028	-0.023	1158
24	01202 Anne Arundel/Glen Burnie, MD	107,469	0.050	0.078	0.001	-0.023	1159
27	01202 *Dakota Co. (Eagen) , MN - Pt. 2	105,747	0.072	0.080	-0.005	-0.023	1160
29	01004 *Northern (Kansas City) MO - Pt. 13	102,753	-0.123	-0.056	-0.014	-0.024	1161
36	04006 N. Crown Hts./Prospect Hts., NY	123,117	0.173	0.195	0.021	-0.024	1162
42	04003 *Montgomery Co. (Norristown), PA - Pt. 3	155,299	0.059	0.110	0.014	-0.024	1163
19	00300 *Northeast IA - Pt. 1	171,790	-0.451	-0.238	-0.006	-0.024	1164
6	00800 *random (Mendocino-Placerville) CA - Pt. 5	139,149	-0.100	-0.013	0.000	-0.024	1165
37	02500 *Charlottesville, Wilmington and other NC - Pt. 10	110,197	-0.297	-0.139	-0.003	-0.024	1166
17	01102 *Other IL - Pt. 14	137,756	-0.191	-0.057	0.005	-0.024	1167
53	00700 *Southeast (Walla-Walla/Kennewick/Pullman) WA - Pt. 1	122,932	-0.162	-0.127	-0.038	-0.024	1168
5	00900 *Little Rock & N. Central AR - Pt. 3	183,133	-0.120	-0.093	-0.034	-0.024	1169
55	00900 *La Crosse area, WI - Pt. 2	107,120	-0.211	-0.128	-0.024	-0.024	1170
24	00602 Harford/Aberdeen, MD	100,363	-0.089	0.041	0.023	-0.024	1171
48	04902 *Galveston Co., TX - Pt. 2	134,622	-0.097	0.031	0.020	-0.024	1172
47	03201 *Shelby Co. (Memphis), TN - Pt. 6	143,012	-0.092	0.010	0.009	-0.024	1173
32	00508 *Las Vegas, NV - Pt. 8	135,478	0.076	0.079	-0.008	-0.024	1174
12	02707 *Hillsborough Co. (Tampa), FL - Pt. 7	133,534	-0.161	-0.035	0.007	-0.025	1175
12	01501 *Marion Co. (Ocala), FL - Pt. 1	104,671	-0.284	-0.161	-0.019	-0.025	1176
34	01700 Warren Co., NJ	102,437	0.140	0.197	0.031	-0.025	1177
17	03101 *Other IL - Pt. 36	121,487	0.017	0.110	0.025	-0.025	1178
48	04619 *Harris Co. (Houston), TX - Pt. 19	157,770	-0.035	0.074	0.023	-0.025	1179
24	01400 Wicomico/Worcester/Somerset, MD	155,934	-0.178	-0.073	-0.008	-0.025	1180
1	01700 *random AL - Pt. 14	115,092	-0.284	-0.167	-0.023	-0.025	1181
12	02101 *Brevard Co. (Palm Bay-Melbourne-Titusville), FL - Pt. 1	155,942	-0.267	-0.101	0.006	-0.025	1182
29	01200 *Southwest (Springfield) MO - Pt. 1	163,803	-0.490	-0.218	0.015	-0.025	1183
27	01100 *Central (St. Cloud and Minneapolis Suburbs) MN - Pt. 3	159,703	0.029	0.065	-0.002	-0.026	1184
39	03900 *Greene Co. (Beavercreek), OH - Pt. 1	147,886	-0.060	-0.018	-0.016	-0.026	1185
36	04001 Williamsburg/Green Point, NY	142,098	0.196	0.201	0.015	-0.026	1186
29	02000 *East Southeast (Cape Girardeau-St. Francois) MO - Pt. 1	194,834	-0.407	-0.183	0.007	-0.026	1187
12	02503 *Pasco Co. (Dade City), FL - Pt. 3	107,730	-0.334	-0.109	0.021	-0.026	1188
34	00601 N. Jersey City, NJ	125,006	0.329	0.267	0.008	-0.026	1189
48	02506 *random central (Fort Worth), TX - Pt. 11	182,037	-0.099	0.028	0.018	-0.026	1190
17	03412 Bremen, IL	109,887	0.037	0.139	0.032	-0.026	1191
22	01904 *New Orleans surroundings, LA - Pt. 5	102,831	-0.259	-0.078	0.013	-0.026	1192
55	00300 Green Bay, WI	124,465	-0.040	-0.037	-0.033	-0.026	1193
8	00807 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 16	101,408	0.027	0.048	-0.010	-0.026	1194
42	02201 *Washington/Greene/Fayette Cos. (Washington), PA - Pt. 1	142,634	-0.188	-0.039	0.011	-0.027	1195
47	02202 *Davidson Co. (Nashville), TN - Pt. 2	102,188	-0.133	-0.034	-0.003	-0.027	1196
12	02104 *Brevard Co. (Palm Bay-Melbourne-Titusville), FL - Pt. 4	100,906	-0.267	-0.104	0.003	-0.027	1197
17	02100 *Champaign Co. (Urbana), IL - Pt. 1	179,669	-0.143	-0.090	-0.029	-0.027	1198
36	04008 E. New York/Starret City, NY	146,857	0.088	0.166	0.029	-0.027	1199
25	00300 Leominster/Fitchburg/Gardner, MA	142,284	-0.011	0.067	0.010	-0.027	1200
26	02508 Royal Oak/Madison Heights, MI	103,895	0.175	0.149	-0.006	-0.027	1201
35	01000 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 14	123,680	-0.387	-0.218	-0.019	-0.027	1202
32	00511 *Las Vegas, NV - Pt. 11	177,721	0.089	0.082	-0.013	-0.027	1203
1	00500 *random AL - Pt. 5	184,557	-0.409	-0.156	0.019	-0.027	1204
1	01900 *random AL - Pt. 16	201,568	-0.218	-0.131	-0.027	-0.028	1205
36	04018 Coney Island, NY	116,138	0.090	0.179	0.034	-0.028	1206

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
37	00400 *Forest City-Shelby area, NC - Pt. 1	219,661	-0.338	-0.151	0.000	-0.028	1207
42	02101 *Westmoreland Co. (Greensburg), PA - Pt. 1	103,871	-0.235	-0.066	0.011	-0.028	1208
39	01103 *Summit Co. (Akron), OH - Pt. 3	106,220	-0.115	-0.026	-0.006	-0.028	1209
34	02001 *Burlington Co. (Evasham), NJ - Pt. 1	115,301	0.096	0.145	0.016	-0.028	1210
47	01400 *Eastern (Knoxville-Johnson City), TN - Pt. 10	173,890	-0.254	-0.128	-0.015	-0.028	1211
22	02100 *Houma-Bayou Cane-Pierra Part LA - Pt. 1	113,362	-0.382	-0.124	0.026	-0.028	1212
24	00700 Cecil/Kent, MD	105,148	-0.052	0.059	0.017	-0.028	1213
39	02100 *random (Toledo, Miami), OH - Pt. 13	111,564	-0.219	-0.111	-0.017	-0.028	1214
21	01800 *E. of Louisville, KY - Pt. 1	175,702	-0.227	-0.071	0.005	-0.028	1215
13	00400 *Random (Dalton-Athens) GA - Pt. 3	124,728	-0.309	-0.120	0.006	-0.028	1216
47	00700 *Eastern (Knoxville-Johnson City), TN - Pt. 1	117,386	-0.589	-0.229	0.037	-0.028	1217
29	00700 *Northern (Kansas City) MO - Pt. 6	130,140	-0.425	-0.213	-0.005	-0.028	1218
36	02201 *Saratoga Co. (Saratoga Springs), NY - Pt. 1	100,247	-0.131	-0.018	0.003	-0.028	1219
1	01400 Tuscaloosa Co., AL	164,875	-0.217	-0.098	-0.011	-0.028	1220
42	03201 *York/Adams/Franklin Cos. (York), PA - Pt. 3	107,315	-0.143	-0.038	-0.004	-0.028	1221
29	01602 *St. Charles Co. (St. Charles), MO - Pt. 2	141,461	-0.101	0.013	0.009	-0.028	1222
36	04002 Bushwick, NY	120,710	0.106	0.166	0.022	-0.028	1223
12	03602 Margate/Coconut Creek, FL	105,683	-0.098	0.010	0.007	-0.028	1224
39	04401 *Hamilton Co. (Cincinnati), OH - Pt. 1	105,929	-0.066	0.038	0.011	-0.028	1225
47	01100 *Eastern (Knoxville-Johnson City), TN - Pt. 6	112,352	-0.400	-0.189	-0.001	-0.029	1226
32	00506 *Las Vegas, NV - Pt. 6	109,653	0.043	0.081	-0.001	-0.029	1227
23	01000 *all (Portland-Bangor) MN - Pt. 10	107,879	-0.501	-0.276	-0.015	-0.029	1228
36	01001 *West Central (surrounding Rochester, Elmira) NY - Pt. 1	118,511	-0.024	-0.002	-0.022	-0.029	1229
18	02002 *Surrounding Marion Co., IN - Pt. 4	102,397	-0.125	-0.014	0.002	-0.029	1230
1	02200 *Mobile Co. (Mobile), AL - Pt. 1	198,915	-0.273	-0.119	-0.006	-0.029	1231
48	02700 *random central (Fort Worth), TX - Pt. 18	143,342	-0.352	-0.159	-0.002	-0.029	1232
39	03600 *random (Toledo, Miami), OH - Pt. 27	126,342	-0.396	-0.124	0.029	-0.029	1233
42	04303 *Chester Co. (West Chester), PA - Pt. 3	131,223	0.018	0.097	0.014	-0.029	1234
42	02900 *Lebanon Co. (Lebanon), PA - Pt. 1	120,327	-0.157	-0.050	-0.006	-0.029	1235
9	01500 *random CT - Pt. 13	124,305	0.151	0.128	-0.011	-0.029	1236
38	00400 *North Dakota (all) - Pt. 4	123,138	-0.258	-0.174	-0.038	-0.029	1237
13	02000 Fayette, Coweta & Spalding Cos., GA	238,895	-0.125	0.016	0.017	-0.030	1238
39	03001 *random (Toledo, Miami), OH - Pt. 23	102,837	-0.115	-0.048	-0.019	-0.030	1239
18	03400 *random (Evansville) IN - Pt. 10	105,148	-0.199	-0.049	0.007	-0.030	1240
45	00202 *Greenville Co. (Greenville), SC - Pt. 2	146,726	-0.179	-0.066	-0.008	-0.030	1241
36	03801 Washington Hts./Inwood, NY	216,234	0.264	0.238	0.009	-0.030	1242
12	02201 *Orange Co. (Orlando), FL - Pt. 1	101,682	-0.181	-0.043	0.004	-0.030	1243
42	03801 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 12	121,515	-0.059	0.015	-0.004	-0.030	1244
13	01204 Canlender-McAfee, GA	108,004	-0.043	0.072	0.019	-0.030	1245
19	00500 *Dubuque area, IA - Pt. 1	196,179	-0.321	-0.161	-0.013	-0.030	1246
51	01400 Chesterfield Co., VA	259,903	-0.134	-0.005	0.008	-0.030	1247
42	03402 *Berks Co. (Reading), PA - Pt. 2	176,871	-0.100	0.004	0.002	-0.030	1248
25	02300 Worcester, MA	172,648	0.014	0.077	0.004	-0.030	1249
12	01103 Duval/Northeast Jacksonville City, FL	105,872	-0.147	-0.043	-0.007	-0.030	1250
29	01003 *Northern (Kansas City) MO - Pt. 12	114,495	-0.139	-0.049	-0.013	-0.030	1251
48	04503 *surrounding Houston, TX - Pt. 7	113,707	-0.181	0.018	0.034	-0.031	1252
28	02300 Jackson Co. (Pascagoula), MS	131,420	-0.303	-0.126	-0.002	-0.031	1253
12	00600 *random (Tallahassee-Jacksonville) FL - Pt. 4	118,181	-0.364	-0.160	0.000	-0.031	1254
51	03100 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 19	193,970	-0.216	-0.081	-0.006	-0.031	1255
6	04403 downtown Bernardino/Colton/Rialto, CA	204,331	-0.041	0.079	0.021	-0.031	1256
51	03400 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 22	135,017	-0.424	-0.135	0.030	-0.031	1257
13	03700 *Coastal (Brunswick-Hinesville-St. Marys) GA - Pt. 2	111,232	-0.182	-0.095	-0.023	-0.031	1258
51	01300 Hermico Co., VA	262,300	-0.017	0.016	-0.018	-0.031	1259
22	01600 *Livingston, Ascension Parish (E. of Baton rouge). LA - Pt. 1	168,441	-0.271	-0.059	0.022	-0.031	1260
47	02000 *Central Tennessee - Pt. 3	105,331	-0.442	-0.171	0.018	-0.031	1261
36	01800 *East Central (Syracuse Area, Binghamton) NY - Pt. 6	100,000	-0.358	-0.132	0.011	-0.031	1262
12	03506 Delray/Kings Point, FL	107,735	0.000	0.012	-0.025	-0.032	1263
12	04019 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 26	120,654	-0.159	-0.012	0.011	-0.032	1264
48	04100 *surrounding Houston, TX - Pt. 4	162,101	-0.389	-0.154	0.010	-0.032	1265
21	01400 *Hardin/Meade Co. (Elizabethtown), KY - Pt. 1	120,523	-0.376	-0.160	0.003	-0.032	1266
6	04300 downtown Bernardino, CA	185,401	-0.044	0.068	0.015	-0.032	1267
29	02700 *Jasper, Newton (Joplin), MO - Pt. 1	157,322	-0.433	-0.241	-0.021	-0.032	1268
21	00400 *Bowling Green area, KY - Pt. 1	148,510	-0.328	-0.173	-0.019	-0.032	1269
42	04106 Northwest Philly/Conshohocken/King of Prussia, PA	141,720	0.008	0.090	0.010	-0.032	1270
48	01400 *Smith Co. (Tyler), TX - Pt. 1	174,706	-0.257	-0.120	-0.014	-0.032	1271
45	00201 *Greenville Co. (Greenville), SC - Pt. 1	232,890	-0.139	-0.065	-0.023	-0.032	1272
20	00400 N.W. Kansas City/Topeka/Manhattan, KS	146,238	-0.380	-0.174	-0.004	-0.032	1273

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FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
42	03102 *Cumberland Co. (Carlisle), PA - Pt. 2	127,171	-0.178	-0.013	0.015	-0.032	1274
5	01000 *Little Rock & N. Central AR - Pt. 4	178,341	-0.258	-0.122	-0.015	-0.032	1275
24	00507 Baltimore/Woodlawn, MD	107,663	0.039	0.080	-0.004	-0.032	1276
39	04502 *Hamilton Co. (Cincinnati), OH - Pt. 6	104,712	0.030	0.038	-0.023	-0.032	1277
28	02000 *Southern (Jackson-Hattiesburg-Gulfport) MS - Pt. 5	146,390	-0.562	-0.225	0.026	-0.032	1278
29	01400 *Northern (Kansas City) MO - Pt. 15	138,207	-0.482	-0.199	0.014	-0.032	1279
47	00600 *Central Tennessee - Pt. 1	180,038	-0.480	-0.174	0.026	-0.033	1280
18	00400 *LaPorte Co. (Michigan City-La Porte), IN - Pt. 1	110,106	-0.187	-0.067	-0.009	-0.033	1281
48	02104 *Collin Co. (McKinney), TX - Pt. 4	107,492	0.051	0.101	0.002	-0.033	1282
36	03709 Soundview/Parkchester, NY	175,432	0.153	0.205	0.023	-0.033	1283
6	03501 Tulare/Visalia, CA	105,125	-0.032	-0.014	-0.030	-0.033	1284
39	02203 *random (Toledo, Miami), OH - Pt. 16	125,077	-0.234	-0.069	0.004	-0.033	1285
37	03900 *Charlottesville, Wilmington and other NC - Pt. 12	190,977	-0.297	-0.134	-0.010	-0.033	1286
39	00202 *random (Toledo, Miami), OH - Pt. 3	147,274	-0.118	-0.034	-0.014	-0.033	1287
42	03702 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 11	111,591	-0.174	-0.013	0.013	-0.033	1288
42	02102 *Westmoreland Co. (Greensburg), PA - Pt. 2	155,846	-0.260	-0.085	0.003	-0.033	1289
12	03100 *Miami-Dade/Monroe Co. (Miami-Key West), FL - Pt. 2	193,299	-0.358	-0.164	-0.007	-0.033	1290
13	01206 Stone Mountain, GA	110,013	-0.114	0.071	0.037	-0.033	1291
27	00900 *Central (St. Cloud and Minneapolis Suburbs) MN - Pt. 2	226,791	-0.148	0.026	0.024	-0.033	1292
29	00300 *Northern (Kansas City) MO - Pt. 3	105,158	-0.546	-0.288	-0.011	-0.033	1293
26	04102 Clinton/Harrison, MI	152,716	0.055	0.129	0.014	-0.033	1294
54	00700 *Western (Huntington) WV - Pt. 1	122,741	-0.405	-0.186	-0.003	-0.033	1295
1	01600 *random AL - Pt. 13	129,853	-0.442	-0.167	0.017	-0.034	1296
36	03809 Lower E. Side/Chinatown, NY	166,379	0.367	0.267	-0.011	-0.034	1297
9	01100 *random CT - Pt. 9	128,912	0.012	0.080	0.003	-0.034	1298
48	02000 *Kaufman/Ellis Cos. (Waxahachie), TX - Pt. 1	114,393	-0.154	0.021	0.024	-0.034	1299
1	02500 *random AL - Pt. 20	107,010	-0.528	-0.225	0.014	-0.034	1300
17	03507 West Chicago/Maywood, IL	117,527	0.053	0.142	0.022	-0.034	1301
13	01800 Carroll & Douglas Cos., GA	179,442	-0.204	-0.003	0.027	-0.034	1302
1	00800 *random AL - Pt. 8	186,479	-0.394	-0.094	0.039	-0.034	1303
6	07900 Moreno Valley, CA	142,381	-0.040	0.073	0.015	-0.034	1304
27	01203 *Dakota Co. (Eagen) , MN - Pt. 3	104,590	-0.009	0.062	0.000	-0.034	1305
18	01200 *N. Central (Lafayette-Kokomo) IN - Pt. 1	119,185	-0.231	-0.090	-0.009	-0.034	1306
39	03800 *random (Toledo, Miami), OH - Pt. 29	109,851	-0.283	-0.074	0.015	-0.034	1307
21	02300 *Covington surroundings, KY - Pt. 1	103,006	-0.170	-0.017	0.009	-0.034	1308
12	02402 *Polk Co. (Lakeland), FL - Pt. 2	125,708	-0.246	-0.098	-0.008	-0.034	1309
18	03000 *random (Evansville) IN - Pt. 7	127,727	-0.176	-0.060	-0.011	-0.034	1310
47	01700 *Central Tennessee - Pt. 2	153,030	-0.350	-0.150	-0.004	-0.035	1311
40	01301 *random OK - Pt. 11	274,630	-0.190	-0.132	-0.043	-0.035	1312
39	04403 *Hamilton Co. (Cincinnati), OH - Pt. 3	142,498	0.019	0.035	-0.023	-0.035	1313
22	00600 *Central and South (Lake Charles) LA - Pt. 1	122,522	-0.614	-0.221	0.042	-0.035	1314
42	02103 *Westmoreland Co. (Greensburg), PA - Pt. 3	110,276	-0.308	-0.117	0.000	-0.035	1315
6	01505 Elk Grove/Laguna, CA	162,285	0.005	0.080	0.004	-0.035	1316
54	01000 *Southern (Beckley) WV - Pt. 1	106,802	-0.501	-0.218	0.008	-0.035	1317
32	00501 *Las Vegas, NV - Pt. 1	110,470	0.087	0.082	-0.020	-0.035	1318
39	04602 *random (Toledo, Miami), OH - Pt. 32	115,798	-0.243	-0.014	0.032	-0.035	1319
39	02300 *Columbiana Co. (East Liverpool), OH - Pt. 1	112,075	-0.334	-0.126	0.003	-0.035	1320
25	04400 *random MA - Pt. 39	124,355	-0.065	0.028	-0.001	-0.035	1321
4	00201 Central Tucson, AZ	130,097	-0.220	-0.105	-0.021	-0.035	1322
48	05100 *Travis Co. (Austin), TX - Pt. 1	151,626	-0.319	-0.090	0.017	-0.035	1323
27	02000 *Random (Rochester-Bemidji) MN - Pt. 9	105,238	-0.223	-0.145	-0.040	-0.036	1324
18	02303 *Marion Co. (Indianapolis), IN - Pt. 3	102,068	-0.012	0.024	-0.020	-0.036	1325
37	01700 *Guilford Co. (Greensboro), NC - Pt. 3	197,157	-0.145	-0.045	-0.014	-0.036	1326
37	00800 *Burke/Caldwell/Alexander Cos. (Lenoir-Morganton), NC - Pt. 1	200,166	-0.299	-0.152	-0.021	-0.036	1327
25	00600 *random MA - Pt. 6	105,167	0.098	0.128	-0.002	-0.036	1328
47	01302 *Eastern (Knoxville-Johnson City), TN - Pt. 9	102,702	-0.327	-0.120	0.004	-0.036	1329
36	01900 *Central (Utica-Oneonta-Kingston), NY - Pt. 3	141,313	-0.306	-0.121	-0.003	-0.036	1330
37	02802 *Durham Co. (Durham), NC - Pt. 2	109,440	-0.038	0.023	-0.013	-0.036	1331
40	01700 *random OK - Pt. 16	134,642	-0.419	-0.189	-0.003	-0.036	1332
5	00200 *Washington Co. (Fayetteville), AR - Pt. 1	157,715	-0.230	-0.164	-0.048	-0.036	1333
48	04702 *surrounding Houston, TX - Pt. 9	178,188	-0.083	0.058	0.018	-0.036	1334
19	00600 *Iowa city and westwards, IA - Pt. 1	176,911	-0.363	-0.165	-0.008	-0.036	1335
37	02000 *Randolph/Alamance Cos.(Burlington), NC - Pt. 1	130,454	-0.252	-0.097	-0.008	-0.036	1336
24	01104 *Prince George's Co., MD - Pt. 4	100,992	0.046	0.150	0.025	-0.036	1337
6	01501 *Sacramento Co. (Sacramento), CA - Pt. 4	133,925	0.014	0.074	-0.004	-0.036	1338
37	01100 *Charlottesville, Wilmington and other NC - Pt. 7	254,145	-0.204	-0.051	0.000	-0.036	1339
12	02403 *Polk Co. (Lakeland), FL - Pt. 3	102,295	-0.318	-0.108	0.006	-0.036	1340

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
39	03200 *Licking Co. (Newark), OH - Pt. 1	145,491	-0.177	-0.022	0.007	-0.036	1341
40	00900 *random OK - Pt. 7	183,155	-0.465	-0.223	-0.007	-0.037	1342
21	00300 *Hopkinsville area, KY - Pt. 2	104,913	-0.440	-0.228	-0.017	-0.037	1343
27	02100 *Random (Rochester-Bemidji) MN - Pt. 10	126,218	-0.143	-0.033	-0.009	-0.037	1344
26	03100 Monroe Co. (Monroe), MI	145,945	-0.035	0.071	0.009	-0.037	1345
13	01304 Mableton, GA	106,916	-0.051	0.077	0.018	-0.037	1346
25	01700 Chicopee/Holyoke, MA	110,485	-0.055	-0.011	-0.026	-0.037	1347
18	01300 *N. Central (Lafayette-Kokomo) IN - Pt. 2	102,431	-0.325	-0.090	0.017	-0.037	1348
34	02003 *Burlington Co. (Evasham), NJ - Pt. 3	161,075	0.020	0.122	0.018	-0.037	1349
39	03106 *Franklin Co. (Columbus), OH - Pt. 6	111,941	-0.056	0.018	-0.012	-0.038	1350
48	04609 *Harris Co. (Houston), TX - Pt. 9	123,652	-0.026	0.064	0.003	-0.038	1351
41	00300 *Eastern (Bend-La Grande-Klamath Falls) OR - Pt. 3	110,421	-0.233	-0.144	-0.039	-0.038	1352
42	03002 *Dauphin Co. (Harrisburg), PA - Pt. 2	120,236	-0.121	-0.015	-0.009	-0.038	1353
40	01200 *random OK - Pt. 10	175,880	-0.258	-0.102	-0.010	-0.038	1354
39	04302 *Butler Co. (Hamilton), OH - Pt. 2	196,423	-0.084	0.017	-0.003	-0.038	1355
37	02200 *Davidson Co. (Lexington), NC - Pt. 1	147,246	-0.239	-0.089	-0.010	-0.038	1356
26	01100 Big Rapids area, MI	178,104	-0.313	-0.096	0.010	-0.038	1357
48	03900 *surrounding Houston, TX - Pt. 2	138,260	-0.397	-0.140	0.013	-0.038	1358
1	00100 *random AL - Pt. 1	142,950	-0.375	-0.148	0.002	-0.038	1359
22	02200 *Houma-Bayou Cane-Pierra Part LA - Pt. 2	104,503	-0.327	-0.102	0.010	-0.038	1360
37	04600 *random NC - Pt. 11	133,798	-0.214	-0.098	-0.022	-0.038	1361
29	01900 *Northern (Kansas City) MO - Pt. 17	198,099	-0.235	-0.025	0.021	-0.038	1362
53	00400 *Spokane surroundings, WA - Pt. 1	160,368	-0.188	-0.064	-0.013	-0.038	1363
18	00600 *St. Joseph Co. (South Bend), IN - Pt. 2	157,770	-0.195	-0.070	-0.014	-0.038	1364
48	01200 *Northeast (Paris), TX - Pt. 3	151,812	-0.438	-0.141	0.024	-0.038	1365
37	03400 *random NC - Pt. 6	143,026	-0.273	-0.105	-0.008	-0.039	1366
26	01500 Ottawa Co. (Holland/Grand Haven), MI	238,314	-0.059	0.000	-0.021	-0.039	1367
13	02100 *Random (Dalton-Athens) GA - Pt. 10	179,852	-0.353	-0.103	0.017	-0.039	1368
6	04407 north Bernardino/Apple Valley/Victorville, CA	110,436	-0.151	0.056	0.036	-0.039	1369
22	00102 *Northwest (Shreveport) LA - Pt. 2	115,083	-0.229	-0.116	-0.027	-0.039	1370
6	03100 Merced Co. (Merced), CA	210,554	-0.066	0.040	0.001	-0.039	1371
36	03708 Highbridge/S. Concourse, NY	132,445	0.115	0.192	0.023	-0.039	1372
26	03000 Hillsdale/Lenawee Cos. (Adrian), MI	145,417	-0.191	-0.016	0.011	-0.039	1373
9	00500 *random CT - Pt. 5	107,980	0.111	0.138	-0.004	-0.039	1374
40	00600 *random OK - Pt. 5	241,838	-0.456	-0.193	0.003	-0.039	1375
54	00800 *Charleston area WV - Pt. 1	287,527	-0.351	-0.123	0.006	-0.039	1376
39	03400 *random (Toledo, Miami), OH - Pt. 26	118,663	-0.382	-0.122	0.016	-0.039	1377
36	01005 *West Central (surrounding Rochester, Elmira) NY - Pt. 5	100,694	-0.121	-0.004	-0.005	-0.039	1378
29	02500 *Southwest (Springfield) MO - Pt. 3	151,576	-0.291	-0.182	-0.042	-0.040	1379
48	00700 *Wichita Co. (Wichita Falls), TX - Pt. 1	131,664	-0.362	-0.220	-0.040	-0.040	1380
42	02802 *York/Adams/Franklin Cos. (York), PA - Pt. 2	108,140	-0.256	-0.094	-0.009	-0.040	1381
42	01000 *Lycoming Co. (Williamsport), PA - Pt. 1	120,044	-0.294	-0.129	-0.015	-0.040	1382
40	00400 *random OK - Pt. 4	211,047	-0.464	-0.253	-0.025	-0.040	1383
22	00800 *Central and South (Lake Charles) LA - Pt. 2	152,383	-0.518	-0.174	0.031	-0.040	1384
16	00300 E.N.E. (Idaho Falls) Idaho, ID	163,031	-0.330	-0.129	-0.004	-0.040	1385
18	01800 *N. Central (Lafayette-Kokomo) IN - Pt. 6	182,821	-0.127	-0.055	-0.029	-0.040	1386
21	01200 *Lexington surroundings, KY - Pt. 2	129,874	-0.289	-0.121	-0.013	-0.040	1387
21	01901 *Fayette Co. (Lexington), KY - Pt. 1	111,828	-0.112	-0.070	-0.041	-0.040	1388
39	00901 Trumbull/Mahoning, OH	137,257	-0.236	-0.061	0.001	-0.040	1389
9	00200 *random CT - Pt. 2	150,378	0.135	0.135	-0.013	-0.040	1390
42	01200 *State College surroundings, PA - Pt. 1	186,391	-0.340	-0.128	-0.001	-0.040	1391
5	00800 *Little Rock & N. Central AR - Pt. 2	114,117	-0.509	-0.229	0.000	-0.040	1392
31	00500 *Western (Scottsbluff-Kearney) NE - Pt. 3	113,556	-0.432	-0.267	-0.042	-0.040	1393
19	01700 *S. of Des Moines, IA - Pt. 1	123,955	-0.248	-0.088	-0.008	-0.040	1394
42	01802 *Alleghany Co. (Pittsburgh), PA - Pt. 5	104,604	-0.134	-0.025	-0.012	-0.040	1395
13	01600 Newton & Rockdale Cos., GA	132,112	-0.176	0.022	0.024	-0.040	1396
55	00500 *Eau Claire area, WI - Pt. 1	148,337	-0.258	-0.121	-0.023	-0.040	1397
26	02302 Outer Genesee & Shiawassee Cos., MI	267,852	-0.103	0.060	0.021	-0.040	1398
54	00200 *Morgantown area WV - Pt. 1	148,742	-0.460	-0.203	-0.002	-0.040	1399
22	02300 *Lafayette area, LA - Pt. 3	102,083	-0.400	-0.135	0.014	-0.040	1400
22	00200 *Northwest (Shreveport) LA - Pt. 3	140,141	-0.366	-0.152	-0.005	-0.041	1401
19	00800 *Linn Co. (Cedar Rapids), IA - Pt. 1	191,701	-0.155	-0.084	-0.036	-0.041	1402
12	00900 *random (Tallahassee-Jacksonville) FL - Pt. 8	118,302	-0.390	-0.155	0.000	-0.041	1403
27	00500 *Random (Rochester-Bemidji) MN - Pt. 4	165,927	-0.283	-0.106	-0.008	-0.041	1404
13	01104 Downtown-Midtown Atlanta, GA	104,024	0.069	0.098	-0.012	-0.041	1405
26	01402 Comstock Park/Sparta, MI	106,419	-0.124	0.017	0.005	-0.041	1406
13	03400 *Chatham (Savannah), GA - Pt. 1	131,510	-0.153	-0.059	-0.024	-0.041	1407



TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
48	00800 *random central (Fort Worth), TX - Pt. 3	146,958	-0.303	-0.090	0.006	-0.041	1408
48	05606 *Bexar Co. (San Antonio), TX - Pt. 6	172,439	-0.287	-0.080	0.006	-0.041	1409
38	00500 *North Dakota (all) - Pt. 5	101,533	-0.374	-0.229	-0.043	-0.041	1410
18	01000 *Allen Co. (Fort Wayne), IN - Pt. 2	126,122	-0.165	-0.050	-0.016	-0.042	1411
20	00603 *Johnson Co. (Overland Park) KS - Pt. 3	109,615	-0.079	-0.002	-0.019	-0.042	1412
54	00900 *Eastern (Oak Hill) WV - Pt. 1	127,444	-0.582	-0.242	0.014	-0.042	1413
39	00800 *Lake/Geauga/Ashtabula Cos. (Mentor), OH - Pt. 4	102,728	-0.281	-0.080	0.004	-0.042	1414
34	02102 South Camden/Audubon, NJ	121,773	0.055	0.127	0.005	-0.042	1415
47	02700 *Western (Jackson-Clarksville) TN - Pt. 6	127,508	-0.497	-0.177	0.021	-0.042	1416
45	00700 *Anderson Co. (Anderson), SC - Pt. 1	165,740	-0.285	-0.112	-0.011	-0.042	1417
29	00600 *Boone Co. (Columbia), MO - Pt. 1	135,454	-0.217	-0.100	-0.026	-0.042	1418
24	00200 Washington/Hagerstown City, MD	131,923	-0.155	0.005	0.008	-0.042	1419
37	03000 *random NC - Pt. 2	169,225	-0.271	-0.046	0.017	-0.042	1420
42	03203 *York/Adams/Franklin Cos. (York), PA - Pt. 5	106,591	-0.182	-0.051	-0.012	-0.042	1421
48	02900 *Taylor Co. (Abilene), TX - Pt. 1	126,555	-0.369	-0.230	-0.045	-0.042	1422
6	08003 Hemet/Banning, CA	182,040	-0.084	0.061	0.014	-0.042	1423
1	02300 *Mobile Co. (Mobile), AL - Pt. 2	200,928	-0.380	-0.117	0.015	-0.042	1424
25	00100 Pittsfield/North Adams/Williamstown, MA	119,401	-0.054	-0.010	-0.031	-0.042	1425
39	01400 *random (Toledo, Miami), OH - Pt. 7	112,010	-0.260	-0.102	-0.014	-0.042	1426
26	01700 Allegan & Barry Cos., MI	162,420	-0.172	-0.012	0.004	-0.042	1427
26	00500 Cheboygen area, MI	141,199	-0.306	-0.128	-0.014	-0.043	1428
26	03805 Southgate/Trenton, MI	125,599	0.086	0.138	0.000	-0.043	1429
48	00502 *Lubbock Co. (Lubbock), TX - Pt. 2	132,743	-0.319	-0.160	-0.025	-0.043	1430
42	00903 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 8	159,808	-0.277	-0.103	-0.010	-0.043	1431
37	02400 *random NC - Pt. 1	151,052	-0.334	-0.108	0.005	-0.043	1432
40	01600 *random OK - Pt. 15	131,473	-0.501	-0.198	0.011	-0.043	1433
56	00200 *all (Cheyenne-Casper) WY - Pt. 2	117,976	-0.364	-0.217	-0.041	-0.043	1434
45	01700 *Northern and Eastern (Florence-Myrtle Beach) SC - Pt. 6	104,646	-0.389	-0.170	-0.009	-0.043	1435
37	01200 *Rowan/Cabarrus Cos. (Salisbury), NC - Pt. 1	130,340	-0.229	-0.077	-0.012	-0.043	1436
55	00800 *Platteville-Monroe area, WI - Pt. 1	140,085	-0.333	-0.143	-0.014	-0.043	1437
39	04101 *Montgomery Co. (Dayton), OH - Pt. 2	120,561	-0.130	-0.011	-0.009	-0.043	1438
5	01300 *Western (Fort Smith, Texarkana, Hot Springs) AR - Pt. 1	168,318	-0.361	-0.179	-0.023	-0.043	1439
39	04402 *Hamilton Co. (Cincinnati), OH - Pt. 2	153,971	-0.077	0.040	0.000	-0.043	1440
39	00400 *Sandusky-Fremont, OH - Pt. 1	182,328	-0.158	-0.056	-0.023	-0.043	1441
26	00600 West Branch area, MI	117,745	-0.317	-0.103	0.001	-0.043	1442
21	02400 *Kenton County (Covington), KY - Pt. 1	151,464	-0.128	-0.010	-0.010	-0.043	1443
26	02400 Berrien Co. (Benton Harbor), MI	162,453	-0.217	-0.085	-0.020	-0.043	1444
55	01400 *Fond Du Lac area, WI - Pt. 1	252,344	-0.265	-0.090	-0.008	-0.044	1445
42	01804 *Alleghany Co. (Pittsburgh), PA - Pt. 7	194,140	-0.233	-0.028	0.013	-0.044	1446
17	03414 Chicago Heights/Bloom, IL	161,525	-0.027	0.131	0.030	-0.044	1447
6	05423 South East L.A., CA	129,796	0.074	0.132	0.000	-0.044	1448
39	02600 *random (Toledo, Miami), OH - Pt. 19	130,098	-0.350	-0.126	-0.001	-0.044	1449
21	02500 *Covington surroundings, KY - Pt. 2	136,947	-0.197	-0.022	0.005	-0.044	1450
5	01200 *Russellville area, AR - Pt. 1	128,934	-0.484	-0.247	-0.021	-0.044	1451
55	02001 Northwest Side/East Side Milwaukee, WI	162,402	-0.022	0.041	-0.017	-0.044	1452
26	00700 Michigan Thumb, MI	138,892	-0.304	-0.050	0.024	-0.044	1453
45	02300 *Northern and Eastern (Florence-Myrtle Beach) SC - Pt. 7	125,516	-0.391	-0.159	-0.005	-0.044	1454
34	02201 N. Gloucester Co., NJ	122,722	0.010	0.129	0.017	-0.044	1455
45	00302 *Spartanburg Co. (Spartanburg), SC - Pt. 2	142,305	-0.267	-0.077	-0.001	-0.044	1456
13	04300 *South Central (Valdosta) GA - Pt. 2	112,319	-0.356	-0.176	-0.024	-0.044	1457
45	01300 *Northern and Eastern (Florence-Myrtle Beach) SC - Pt. 2	176,885	-0.402	-0.125	0.015	-0.045	1458
40	01100 *random OK - Pt. 9	393,049	-0.187	-0.093	-0.034	-0.045	1459
51	03300 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 21	140,039	-0.414	-0.169	-0.003	-0.045	1460
6	01401 *Sacramento Co. (Sacramento), CA - Pt. 1	127,590	0.034	0.078	-0.016	-0.045	1461
36	03802 Morningside Hts./Hamilton Hts., NY	129,533	0.253	0.247	0.002	-0.045	1462
36	02401 Albany City, NY	104,291	-0.034	0.009	-0.030	-0.045	1463
28	00200 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 2	102,589	-0.440	-0.171	0.004	-0.045	1464
18	03600 *random (Evansville) IN - Pt. 12	124,301	-0.360	-0.133	-0.002	-0.045	1465
51	01200 Richmond, VA	197,790	-0.097	0.004	-0.014	-0.045	1466
5	00500 *Randolph/Clay to Phillips Co. (Jonesboro), AR - Pt. 1	173,057	-0.471	-0.246	-0.025	-0.045	1467
37	04700 *random NC - Pt. 12	103,258	-0.377	-0.155	-0.008	-0.045	1468
48	02510 *random central (Fort Worth), TX - Pt. 15	106,529	-0.145	0.015	0.006	-0.046	1469
40	00500 *southeast OK - Pt. 1	209,569	-0.546	-0.282	-0.021	-0.046	1470
17	03515 Near South Chicago/South Shore, IL	175,683	0.000	0.153	0.031	-0.046	1471
5	01400 *Western (Fort Smith, Texarkana, Hot Springs) AR - Pt. 2	101,539	-0.574	-0.284	-0.013	-0.046	1472
6	03503 East Tulare/Lindsay, CA	143,882	-0.151	-0.003	-0.001	-0.046	1473
48	00600 *random central (Fort Worth), TX - Pt. 2	145,748	-0.431	-0.159	0.005	-0.046	1474

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
45	01600 Florence, SC	161,227	-0.361	-0.139	-0.006	-0.046	1475
51	01800 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 14	214,911	-0.322	-0.126	-0.012	-0.046	1476
21	01600 *Owensboro area, KY - Pt. 2	101,483	-0.366	-0.151	-0.011	-0.046	1477
24	00802 N. Baltimore City/Towson, MD	103,215	-0.053	0.070	0.005	-0.046	1478
48	02309 East Garland City, TX	114,363	-0.093	0.082	0.023	-0.046	1479
42	02700 *Cambria/Somerset etc Cos. (Johnstown), PA - Pt. 3	109,831	-0.409	-0.129	0.013	-0.047	1480
39	04301 *Butler Co. (Hamilton), OH - Pt. 1	136,384	-0.116	0.007	-0.008	-0.047	1481
1	00904 *Jefferson Co. (Birmingham), AL - Pt. 4	177,089	-0.234	-0.033	0.008	-0.047	1482
39	00609 Southwest Cleveland/Strongsville, OH	108,325	-0.081	0.028	-0.008	-0.047	1483
29	00200 *Northern (Kansas City) MO - Pt. 2	102,490	-0.354	-0.166	-0.022	-0.047	1484
55	01500 *Appleton-Oshkosh-Neenaw area, WI - Pt. 1	358,365	-0.147	-0.052	-0.028	-0.047	1485
34	00400 Paterson City, NJ	149,222	0.194	0.180	-0.016	-0.047	1486
54	00100 *North Panhandle (Wheeling) WV - Pt. 1	158,753	-0.444	-0.168	0.004	-0.047	1487
1	01100 *random AL - Pt. 10	155,066	-0.478	-0.180	0.008	-0.047	1488
29	00400 *Northern (Kansas City) MO - Pt. 4	102,376	-0.478	-0.209	-0.007	-0.047	1489
37	03300 *random NC - Pt. 5	111,424	-0.325	-0.087	0.008	-0.048	1490
5	00700 *Randolph/Clay to Phillips Co. (Jonesboro), AR - Pt. 2	113,494	-0.544	-0.235	0.000	-0.048	1491
28	01700 *Southern (Jackson-Hattiesburg-Gulfport) MS - Pt. 2	157,760	-0.571	-0.195	0.028	-0.048	1492
55	00700 *La Crosse area, WI - Pt. 1	190,129	-0.353	-0.137	-0.009	-0.048	1493
22	00300 *Northwest (Shreveport) LA - Pt. 4	172,767	-0.498	-0.186	0.011	-0.048	1494
10	00104 *New Castle Co. (Wilmington), DE - Pt. 4	102,233	-0.040	0.103	0.016	-0.048	1495
51	03200 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 20	126,331	-0.414	-0.146	0.005	-0.048	1496
13	01700 Henry Co., GA	119,341	-0.166	0.042	0.024	-0.048	1497
26	03802 Dearborn/Dearborn Heights/Redford, MI	207,661	0.090	0.143	-0.004	-0.048	1498
47	00200 *Western (Jackson-Clarksville) TN - Pt. 2	115,514	-0.471	-0.170	0.010	-0.048	1499
28	00900 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 9	104,481	-0.481	-0.204	-0.004	-0.048	1500
22	01100 *Lafayette area, LA - Pt. 2	139,107	-0.414	-0.125	0.015	-0.048	1501
13	01000 Butte, Pike, Lamar, & Upson Cos., GA	110,971	-0.341	-0.073	0.018	-0.049	1502
27	02200 *Random (Rochester-Bemidji) MN - Pt. 11	112,435	-0.300	-0.113	-0.014	-0.049	1503
27	00800 *Central (St. Cloud and Minneapolis Suburbs) MN - Pt. 1	167,392	-0.272	-0.089	-0.011	-0.049	1504
17	03302 Waukegan/Zion, IL	133,084	0.038	0.135	0.008	-0.049	1505
17	03413 Thornton, IL	180,802	-0.043	0.133	0.031	-0.049	1506
31	00200 *Eastern (Columbus-Norfolk-Fremont) NE - Pt. 1	189,987	-0.483	-0.267	-0.035	-0.049	1507
44	00100 Providence (city), RI, RI	173,618	-0.046	0.018	-0.025	-0.049	1508
13	03000 *Gwinnett/Cobb & Other Co. (Marietta-Columbus), GA - Pt. 18	186,291	-0.258	-0.114	-0.027	-0.049	1509
48	06000 *Southern (Corpus Christi-Laredo), TX - Pt. 1	193,117	-0.332	-0.155	-0.025	-0.049	1510
37	01601 *Guilford Co. (Greensboro), NC - Pt. 1	104,982	-0.146	-0.031	-0.020	-0.049	1511
17	01400 *Other IL - Pt. 18	121,166	-0.252	-0.085	-0.015	-0.049	1512
9	01000 *random CT - Pt. 8	109,091	-0.076	0.068	0.008	-0.049	1513
13	01401 Forest Park, GA	123,603	-0.090	0.057	0.007	-0.049	1514
55	01300 *Greenbay-Sheboygan-Marinetta-Iron Mountain area, WI - Pt. 3	215,141	-0.279	-0.104	-0.016	-0.049	1515
26	02000 Clinton & Eaton Cos., MI	163,601	-0.150	0.008	0.001	-0.049	1516
17	02300 *Other IL - Pt. 23	103,833	-0.132	0.032	0.007	-0.049	1517
13	00700 Paulding & Bartow Cos., GA	157,697	-0.233	0.017	0.030	-0.049	1518
18	02301 *Marion Co. (Indianapolis), IN - Pt. 1	111,961	-0.077	0.020	-0.016	-0.049	1519
20	01600 *Southeast (Winfield) KS - Pt. 1	136,931	-0.552	-0.277	-0.021	-0.050	1520
39	02000 *Richland Co. (Mansfield), OH - Pt. 1	128,852	-0.291	-0.092	-0.007	-0.050	1521
30	00300 *Northern and Eastern (Havre) MT - Pt. 2	135,473	-0.500	-0.278	-0.037	-0.050	1522
48	03802 *McLennan Co. (Waco), TX - Pt. 2	110,907	-0.311	-0.114	-0.012	-0.050	1523
34	02103 Southwest Camden/Glocester/Winslow, NJ	141,670	-0.025	0.130	0.023	-0.050	1524
47	02800 *Western (Jackson-Clarksville) TN - Pt. 7	135,386	-0.532	-0.197	0.014	-0.050	1525
48	02101 *Collin Co. (McKinney), TX - Pt. 1	118,908	-0.082	0.095	0.023	-0.050	1526
9	02000 New Haven, CT	123,626	0.074	0.130	-0.008	-0.050	1527
37	01800 *Forsyth Co. (Winston-Salem), NC - Pt. 1	185,776	-0.133	-0.043	-0.031	-0.050	1528
55	02004 South Side Milwaukee, WI	154,279	-0.075	0.033	-0.011	-0.050	1529
20	01500 *Southeast (Parsons-Pittsburg) KS - Pt. 1	105,475	-0.554	-0.249	-0.006	-0.050	1530
29	01100 *Northern (Kansas City) MO - Pt. 14	113,288	-0.234	-0.055	-0.007	-0.051	1531
17	02400 *Other IL - Pt. 24	111,509	-0.226	-0.020	0.008	-0.051	1532
37	04400 *random NC - Pt. 9	152,436	-0.324	-0.124	-0.014	-0.051	1533
39	02900 *random (Toledo, Miami), OH - Pt. 22	143,556	-0.238	-0.058	-0.007	-0.051	1534
27	01002 *Anoka Co. (Coon Rapids), MN - Pt. 2	133,085	-0.026	0.083	-0.001	-0.051	1535
54	00600 *West Northwest (Parkersburg) WV - Pt. 1	172,336	-0.459	-0.176	0.001	-0.051	1536
28	00100 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 1	107,199	-0.221	-0.037	-0.002	-0.051	1537
39	03109 *Franklin Co. (Columbus), OH - Pt. 9	105,793	-0.089	0.016	-0.016	-0.051	1538
6	08005 Indio/La Quinta/Joshua Tree National Park, CA	159,745	-0.010	0.055	-0.021	-0.051	1539
42	03001 *Dauphin Co. (Harrisburg), PA - Pt. 1	131,562	-0.113	-0.014	-0.024	-0.051	1540
42	01600 *Mercer Co. (Sharon), PA - Pt. 1	120,293	-0.336	-0.126	-0.012	-0.051	1541

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commuit	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
21	01100 *Lexington surroundings, KY - Pt. 1	170,713	-0.465	-0.163	0.009	-0.051	1542
12	02606 *Pinellas Co. (St. Petersburg), FL - Pt. 6	109,279	-0.184	-0.076	-0.033	-0.051	1543
6	04600 Palmdale, CA	116,670	-0.130	0.123	0.049	-0.051	1544
12	03503 *Palm Beach Co. (West Palm Beach), FL - Pt. 3	110,005	-0.178	0.013	0.009	-0.051	1545
8	00501 *random northern (Denver-Boulder-Grand Junction) CO - Pt. 6	100,755	-0.342	-0.176	-0.036	-0.051	1546
6	05417 East L.A., CA	153,663	0.069	0.138	-0.004	-0.052	1547
13	00100 *Northwest (Chattanooga suburbs) GA - Pt. 1	129,489	-0.349	-0.123	-0.007	-0.052	1548
48	04802 *Brazoria Co. (Angleton), TX - Pt. 2	109,064	-0.169	0.048	0.024	-0.052	1549
28	00800 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 8	103,285	-0.589	-0.230	0.012	-0.052	1550
48	04701 *surrounding Houston, TX - Pt. 8	176,264	-0.192	0.049	0.031	-0.052	1551
12	01107 *random (Tallahassee-Jacksonville) FL - Pt. 15	156,784	-0.237	-0.047	-0.003	-0.052	1552
47	00801 *Eastern (Knoxville-Johnson City), TN - Pt. 2	103,176	-0.359	-0.141	-0.013	-0.052	1553
1	02600 *random AL - Pt. 21	137,916	-0.431	-0.185	-0.013	-0.052	1554
29	00100 *Northern (Kansas City) MO - Pt. 1	109,115	-0.566	-0.244	-0.002	-0.052	1555
29	02200 *South Southeast (Poplar Bluff) MO - Pt. 1	109,970	-0.600	-0.269	-0.004	-0.052	1556
18	02307 *Marion Co. (Indianapolis), IN - Pt. 7	117,564	-0.125	0.014	-0.007	-0.052	1557
42	02600 *Blair Co. (Altoona), PA - Pt. 1	129,144	-0.370	-0.150	-0.015	-0.052	1558
36	01002 *West Central (surrounding Rochester, Elmira) NY - Pt. 2	123,403	-0.061	0.001	-0.033	-0.052	1559
16	00900 SE Idaho, ID	154,007	-0.371	-0.132	-0.006	-0.052	1560
19	01100 *Western (Sioux City) IA - Pt. 2	103,877	-0.288	-0.150	-0.040	-0.052	1561
46	00200 *random SD - Pt. 2	101,648	-0.552	-0.275	-0.022	-0.052	1562
19	01400 *Polk Co. (Des Moines), IA - Pt. 1	198,682	-0.138	-0.043	-0.032	-0.053	1563
22	02500 *Lafayette area, LA - Pt. 4	127,073	-0.409	-0.140	0.002	-0.053	1564
27	01800 *Random (Rochester-Bemidji) MN - Pt. 7	131,255	-0.306	-0.098	-0.009	-0.053	1565
39	04102 *Montgomery Co. (Dayton), OH - Pt. 3	117,937	-0.145	-0.007	-0.012	-0.053	1566
48	00501 *Lubbock Co. (Lubbock), TX - Pt. 1	109,885	-0.283	-0.158	-0.046	-0.053	1567
19	01000 *Western (Sioux City) IA - Pt. 1	134,182	-0.498	-0.256	-0.030	-0.053	1568
17	03005 *Other IL - Pt. 34	115,553	0.031	0.102	-0.012	-0.053	1569
1	01200 Calhoun Co., AL	112,249	-0.443	-0.168	-0.003	-0.053	1570
31	00300 *Western (Scottsbluff-Kearney) NE - Pt. 2	104,263	-0.451	-0.246	-0.039	-0.053	1571
19	00400 *Black Hawk Co. (Waterloo-Cedar Falls), IA - Pt. 1	128,012	-0.281	-0.141	-0.038	-0.053	1572
20	01401 *Other (Wichita, Topeka, Lawrence) KS - Pt. 8	109,857	-0.158	-0.072	-0.041	-0.053	1573
28	01100 *Eastern central (Meridian) MS - Pt. 1	128,407	-0.508	-0.191	0.005	-0.053	1574
48	02400 *Kaufman/Ellis Cos. (Waxahachie), TX - Pt. 2	111,360	-0.204	0.009	0.013	-0.054	1575
48	02310 West Garland City, TX	105,698	-0.062	0.088	0.009	-0.054	1576
36	01501 *Niagara Co. (Niagara Falls), NY - Pt. 1	107,927	-0.205	-0.010	0.004	-0.054	1577
20	01402 *Other (Wichita, Topeka, Lawrence) KS - Pt. 9	110,569	-0.208	-0.074	-0.028	-0.054	1578
48	03505 *El Paso Co. (El Paso), TX - Pt. 5	163,722	-0.376	-0.150	-0.014	-0.054	1579
21	01704 *Jefferson Co. (Louisville), KY - Pt. 4	104,961	-0.194	-0.049	-0.019	-0.054	1580
47	01800 *Hamilton Co. (Chattanooga), TN - Pt. 1	155,554	-0.242	-0.090	-0.025	-0.054	1581
48	04624 *Harris Co. (Houston), TX - Pt. 24	132,700	-0.066	0.065	-0.001	-0.054	1582
26	02601 Kalamazoo, MI	126,509	-0.127	-0.019	-0.025	-0.054	1583
42	04102 North Philly/Melrose Park, PA	127,076	-0.080	0.084	0.013	-0.054	1584
42	00801 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 4	111,281	-0.254	-0.112	-0.032	-0.054	1585
4	00109 *Maricopa Co. (Phoenix), AZ - Pt. 9	120,787	-0.146	0.018	-0.001	-0.054	1586
48	04621 *Harris Co. (Houston), TX - Pt. 21	161,648	-0.162	0.072	0.031	-0.054	1587
45	00900 *Aiken Co. (Aiken), SC - Pt. 1	142,552	-0.299	-0.069	0.002	-0.054	1588
32	00503 *Las Vegas, NV - Pt. 3	113,878	-0.011	0.078	-0.012	-0.054	1589
34	01402 Newark City downtown, NJ	119,656	0.195	0.219	-0.004	-0.054	1590
13	00200 *Random (Dalton-Athens) GA - Pt. 1	164,135	-0.303	-0.101	-0.013	-0.055	1591
18	03300 *random (Evansville) IN - Pt. 9	119,432	-0.246	-0.052	-0.006	-0.055	1592
21	02100 *N. Central (Mount Sterling) KY - Pt. 1	131,466	-0.545	-0.208	0.007	-0.055	1593
48	02508 *random central (Fort Worth), TX - Pt. 13	100,914	-0.151	0.020	0.001	-0.055	1594
17	02900 *Other IL - Pt. 29	170,089	-0.168	0.004	-0.002	-0.055	1595
36	02500 *Greene/Columbia Cos. (Hudson), NY - Pt. 1	111,289	-0.101	0.075	0.013	-0.055	1596
22	00500 *Northeast (Tallulah-Bastrop) LA - Pt. 1	164,106	-0.602	-0.221	0.018	-0.055	1597
48	05604 *Bexar Co. (San Antonio), TX - Pt. 4	121,247	-0.235	-0.080	-0.023	-0.055	1598
12	02706 *Hillsborough Co. (Tampa), FL - Pt. 6	101,490	-0.244	-0.042	-0.002	-0.055	1599
39	02500 *random (Toledo, Miami), OH - Pt. 18	147,562	-0.375	-0.128	-0.005	-0.055	1600
18	01400 *N. Central (Lafayette-Kokomo) IN - Pt. 3	118,855	-0.315	-0.100	-0.009	-0.055	1601
31	00600 *Eastern (Columbus-Norfolk-Fremont) NE - Pt. 2	143,436	-0.526	-0.225	-0.008	-0.055	1602
32	00300 *all but Las Vegas (Reno-Carson City), NV - Pt. 3	151,390	-0.144	0.040	0.009	-0.055	1603
26	02602 Kalamazoo & Van Buren Cos. (excl. Kalamazoo), MI	188,357	-0.199	-0.022	-0.006	-0.055	1604
27	01403 *Western Hennepin Co. , MN - Pt. 3	107,147	0.055	0.100	-0.022	-0.055	1605
48	01300 *Gregg/Harrison Cos. (Longview), TX - Pt. 1	173,489	-0.366	-0.140	-0.014	-0.056	1606
36	02100 *Schenectady Co. (Schenectady), NY - Pt. 1	146,555	-0.113	0.023	-0.010	-0.056	1607
21	00700 Southeast Kentucky/Clay/Laurel, KY	107,348	-0.630	-0.236	0.018	-0.056	1608

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
36	01200 *West Central (surrounding Rochester, Elmira) NY - Pt. 7	107,752	-0.287	-0.052	0.006	-0.056	1609
48	04617 *Harris Co. (Houston), TX - Pt. 17	147,862	-0.132	0.080	0.025	-0.056	1610
36	01604 *Erie Co. (excl Buffalo), NY - Pt. 4	159,003	-0.163	-0.033	-0.023	-0.056	1611
39	04800 *random (Toledo, Miami), OH - Pt. 34	126,029	-0.423	-0.125	0.010	-0.056	1612
13	01205 South DeKalb, GA	102,456	-0.139	0.072	0.023	-0.056	1613
36	02601 *East Central (Syracuse Area, Binghamton) NY - Pt. 7	125,897	-0.347	-0.105	-0.003	-0.056	1614
18	02100 *Delaware Co., (Muncie) - Pt. 1	118,769	-0.322	-0.102	-0.009	-0.056	1615
45	00600 *South Central (Greenwood-Newberry) SC - Pt. 1	129,129	-0.353	-0.115	-0.007	-0.056	1616
40	01302 *random OK - Pt. 12	231,502	-0.335	-0.137	-0.023	-0.056	1617
42	02400 *Indiana/Armstrong Cos. (Indiana), PA - Pt. 1	161,997	-0.438	-0.136	0.009	-0.056	1618
4	00111 *Maricopa Co. (Phoenix), AZ - Pt. 11	169,069	-0.155	0.015	-0.002	-0.056	1619
22	02400 *Houma-Bayou Cane-Pierra Part LA - Pt. 3	112,332	-0.229	-0.014	0.006	-0.056	1620
24	00506 Baltimore/Dundalk/Essex, MD	111,596	-0.087	0.069	0.004	-0.057	1621
26	04101 St. Clair Shores/Roseville, MI	153,913	0.021	0.128	0.001	-0.057	1622
36	03703 Thros Neck/Co-op City, NY	111,661	0.064	0.211	0.029	-0.057	1623
42	02001 *Beaver/Lawrence Cos. (Alquippa), PA - Pt. 1	112,628	-0.332	-0.103	-0.007	-0.057	1624
18	03100 *random (Evansville) IN - Pt. 8	125,458	-0.296	-0.061	0.003	-0.057	1625
22	01200 *St. Landry, Evangeline Parishes (Opelousas-Eunice), LA - Pt. 1	123,134	-0.561	-0.164	0.032	-0.057	1626
34	00602 S. Jersey City, NJ	115,049	0.133	0.234	0.020	-0.057	1627
6	01901 South Stockton, CA	110,315	-0.079	0.073	0.003	-0.057	1628
37	03800 *Charlottesville, Wilmington and other NC - Pt. 11	123,339	-0.439	-0.157	-0.002	-0.057	1629
9	00300 *random CT - Pt. 3	104,315	0.091	0.134	-0.018	-0.057	1630
13	00900 Barrow & Walton Cos., GA	106,831	-0.231	0.007	0.016	-0.057	1631
47	00802 *Eastern (Knoxville-Johnson City), TN - Pt. 3	103,435	-0.415	-0.148	-0.005	-0.057	1632
27	01001 *Anoka Co. (Coon Rapids), MN - Pt. 1	164,999	-0.104	0.075	0.012	-0.057	1633
36	02300 *Rensselaer Co. (Troy), NY - Pt. 1	152,538	-0.126	0.028	-0.005	-0.057	1634
20	00900 *Other (Wichita, Topeka, Lawrence) KS - Pt. 5	117,245	-0.442	-0.149	0.003	-0.057	1635
10	00101 *New Castle Co. (Wilmington), DE - Pt. 1	150,716	0.037	0.112	-0.013	-0.057	1636
31	00100 *Western (Scottsbluff-Kearney) NE - Pt. 1	116,811	-0.516	-0.292	-0.046	-0.057	1637
17	00400 *Other IL - Pt. 6	124,712	-0.407	-0.130	0.002	-0.057	1638
55	02500 *Greenbay-Sheboygan-Marinetta-Iron Mountain area, WI - Pt. 4	112,646	-0.155	-0.064	-0.043	-0.057	1639
21	00500 *Bowling Green area, KY - Pt. 2	106,715	-0.559	-0.220	0.003	-0.057	1640
42	00200 Erie Co. (excl Erie), PA, PA	177,126	-0.217	-0.054	-0.019	-0.057	1641
28	01400 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 11	183,723	-0.315	-0.109	-0.016	-0.058	1642
48	06600 *Hidalgo Co. (McAllen-Edinburg-Mission), TX - Pt. 1	106,414	-0.325	-0.149	-0.034	-0.058	1643
45	00800 *South Central (Greenwood-Newberry) SC - Pt. 2	146,172	-0.396	-0.133	-0.004	-0.058	1644
35	00700 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 11	100,393	-0.483	-0.176	0.001	-0.058	1645
36	00802 *East Central (Syracuse Area, Binghamton) NY - Pt. 2	124,401	-0.150	-0.030	-0.027	-0.058	1646
26	02507 Oak Park/Ferndale, MI	100,583	0.068	0.138	-0.009	-0.058	1647
21	01705 *Jefferson Co. (Louisville), KY - Pt. 5	142,235	-0.242	-0.047	-0.008	-0.058	1648
39	03101 *Franklin Co. (Columbus), OH - Pt. 1	100,985	-0.109	0.022	-0.014	-0.058	1649
1	00400 *random AL - Pt. 4	118,378	-0.489	-0.161	0.010	-0.058	1650
1	00600 *random AL - Pt. 6	145,867	-0.347	-0.087	0.004	-0.058	1651
34	00102 *Atlantic Co. (Atlantic City), NJ - Pt. 2	138,454	0.039	0.129	-0.005	-0.058	1652
32	00502 North Las Vegas, NV	102,681	-0.034	0.078	-0.008	-0.058	1653
36	00803 *East Central (Syracuse Area, Binghamton) NY - Pt. 3	134,303	-0.178	-0.028	-0.018	-0.058	1654
1	01800 *random AL - Pt. 15	195,592	-0.493	-0.179	0.002	-0.058	1655
40	00800 *random OK - Pt. 6	231,123	-0.514	-0.215	-0.009	-0.058	1656
36	01601 *Erie Co. (excl Buffalo), NY - Pt. 1	112,912	-0.153	-0.022	-0.023	-0.059	1657
51	01100 Staunton/Lexington, VA	193,650	-0.290	-0.080	-0.011	-0.059	1658
1	01000 *random AL - Pt. 9	103,459	-0.447	-0.140	0.007	-0.059	1659
26	02100 Ionia & Montcalm Cos., MI	122,784	-0.300	-0.033	0.016	-0.059	1660
54	01200 *Western (Huntington) WV - Pt. 2	130,974	-0.558	-0.183	0.019	-0.059	1661
47	03000 *Western (Jackson-Clarksville) TN - Pt. 9	107,178	-0.389	-0.078	0.020	-0.059	1662
40	00100 *random OK - Pt. 1	113,763	-0.572	-0.292	-0.031	-0.059	1663
27	00200 *Random (Rochester-Bemidji) MN - Pt. 2	106,161	-0.435	-0.177	-0.015	-0.059	1664
42	02002 *Beaver/Lawrence Cos. (Alquippa), PA - Pt. 2	163,427	-0.251	-0.029	0.003	-0.059	1665
39	02800 *random (Toledo, Miami), OH - Pt. 21	133,849	-0.172	0.031	0.009	-0.059	1666
42	02502 *Cambria/Somerset etc Cos. (Johnstown), PA - Pt. 2	100,363	-0.475	-0.200	-0.015	-0.059	1667
51	02600 *Panhandle of VA - Pt. 2	124,954	-0.454	-0.173	-0.008	-0.060	1668
48	02501 *random central (Fort Worth), TX - Pt. 6	122,626	-0.129	0.022	-0.010	-0.060	1669
17	03511 Near South Chicago/Stevenson Expressway, IL	135,102	0.013	0.137	0.005	-0.060	1670
25	03303 Roxbury/Mattapan, MA	121,523	0.076	0.170	0.002	-0.060	1671
19	01300 *Southern (Oskaloosa) IA - Pt. 1	195,489	-0.523	-0.209	-0.006	-0.060	1672
4	00117 *Maricopa Co. (Phoenix), AZ - Pt. 17	143,876	-0.138	0.011	-0.013	-0.060	1673
36	04003 Bedford/Stuyvesant, NY	121,054	0.031	0.186	0.023	-0.061	1674
6	03301 W. Central Fresno, CA	296,056	-0.148	0.008	-0.011	-0.061	1675

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
55	00200 *Greenbay-Sheboygan-Marinetta-Iron Mountain area, WI - Pt. 1	102,313	-0.118	-0.034	-0.042	-0.061	1676
17	03514 Near South Chicago/Hyde Park, IL	126,435	0.006	0.156	0.016	-0.061	1677
36	01300 *West Central (surrounding Rochester, Elmira) NY - Pt. 8	104,541	-0.284	-0.029	0.011	-0.061	1678
13	02900 Meriwether & Heard Cos., GA	122,518	-0.356	-0.101	-0.003	-0.061	1679
39	01500 *random (Toledo, Miami), OH - Pt. 8	152,886	-0.301	-0.091	-0.015	-0.061	1680
4	00300 Navaho/Apache AZ, AZ	166,893	-0.436	-0.133	0.005	-0.061	1681
22	00400 *Ouachita Parish (Monroe), LA - Pt. 1	147,250	-0.335	-0.134	-0.026	-0.061	1682
17	00900 *Other IL - Pt. 11	183,020	-0.451	-0.169	-0.009	-0.061	1683
48	03502 *El Paso Co. (El Paso), TX - Pt. 2	118,664	-0.359	-0.147	-0.026	-0.061	1684
36	00801 *East Central (Syracuse Area, Binghamton) NY - Pt. 1	100,878	-0.245	-0.042	-0.008	-0.061	1685
28	01200 *Eastern central (Meridian) MS - Pt. 2	112,378	-0.599	-0.219	0.011	-0.061	1686
48	06100 *Southern (Corpus Christi-Laredo), TX - Pt. 2	128,290	-0.524	-0.193	0.001	-0.062	1687
21	01300 *Elizabethtown surroundings, KY - Pt. 1	122,679	-0.512	-0.166	0.011	-0.062	1688
28	01800 *Southern (Jackson-Hattiesburg-Gulfport) MS - Pt. 3	111,611	-0.593	-0.207	0.015	-0.062	1689
5	00600 *Mississippi/Crittended Co. (Memphis), AR - Pt. 1	102,845	-0.405	-0.170	-0.024	-0.062	1690
29	00500 *Northern (Kansas City) MO - Pt. 5	179,725	-0.365	-0.147	-0.024	-0.062	1691
28	00600 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 6	103,610	-0.476	-0.218	-0.026	-0.062	1692
34	02301 Trenton/S. Mercer Co., NJ	201,671	0.100	0.183	-0.001	-0.062	1693
6	03800 Bakersfield city, CA	247,057	-0.075	0.054	-0.012	-0.062	1694
31	00904 *Douglas Co. (Omaha), NE - Pt. 4	108,872	-0.241	-0.078	-0.028	-0.062	1695
36	01003 *West Central (surrounding Rochester, Elmira) NY - Pt. 3	100,179	-0.256	-0.020	0.006	-0.063	1696
13	01402 Jonesboro, GA	112,914	-0.169	0.055	0.016	-0.063	1697
6	03600 Kings/Hanford, CA	129,461	-0.142	0.000	-0.019	-0.063	1698
53	00800 *Southeast (Walla-Walla/Kennewick/Pullman) WA - Pt. 2	191,822	-0.108	0.019	-0.020	-0.063	1699
48	03000 *random central (Fort Worth), TX - Pt. 20	107,874	-0.357	-0.171	-0.040	-0.063	1700
20	00800 Far Southwest Kansas City/Wichita, KS	169,871	-0.291	-0.122	-0.035	-0.063	1701
34	00101 *Atlantic Co. (Atlantic City), NJ - Pt. 1	114,098	0.065	0.134	-0.015	-0.063	1702
48	04618 *Harris Co. (Houston), TX - Pt. 18	164,847	-0.157	0.075	0.023	-0.063	1703
18	00700 *Elkhart/Marshall/Kosciusko Cos., IN - Pt. 1	182,791	-0.206	-0.043	-0.022	-0.063	1704
39	02202 *random (Toledo, Miami), OH - Pt. 15	144,560	-0.255	-0.068	-0.020	-0.063	1705
27	00300 *Random (Rochester-Bemidji) MN - Pt. 3	101,723	-0.330	-0.116	-0.020	-0.063	1706
39	03002 *random (Toledo, Miami), OH - Pt. 24	140,773	-0.238	-0.047	-0.014	-0.063	1707
36	00200 *Northeastern (Glens Falls-Plattsburgh), NY - Pt. 1	175,258	-0.312	-0.089	-0.013	-0.063	1708
27	00600 *Random (Rochester-Bemidji) MN - Pt. 5	102,672	-0.410	-0.162	-0.020	-0.063	1709
26	01000 Clare, Isabella & Gratiot Cos. (Mount Pleasant), MI	136,888	-0.354	-0.097	-0.004	-0.063	1710
29	01802 St. Louis downtown, MO	100,814	-0.096	0.018	-0.025	-0.063	1711
13	04200 *Gwinnett/Cobb & Other Co. (Marietta-Columbus), GA - Pt. 22	110,388	-0.442	-0.183	-0.021	-0.064	1712
36	02000 *Central (Utica-Oneonta-Kingston), NY - Pt. 4	104,781	-0.338	-0.088	-0.005	-0.064	1713
26	02503 Pontiac/Waterford, MI	163,075	0.027	0.151	0.004	-0.064	1714
17	01300 *Other IL - Pt. 17	111,454	-0.230	-0.062	-0.025	-0.064	1715
21	01000 Southeast Kentucky/Pike/Floyd, KY	160,532	-0.600	-0.212	0.013	-0.064	1716
5	01600 *Southeast (Pine Bluff) AR - Pt. 1	121,491	-0.419	-0.154	-0.013	-0.064	1717
17	00300 *Other IL - Pt. 5	115,838	-0.436	-0.174	-0.019	-0.064	1718
47	02900 *Western (Jackson-Clarksville) TN - Pt. 8	107,377	-0.342	-0.107	-0.013	-0.064	1719
31	00400 W. Central Nebraska, NE	107,635	-0.470	-0.242	-0.043	-0.064	1720
26	02900 Jackson Co. (Jackosn), MI	158,422	-0.223	-0.004	0.001	-0.064	1721
36	02700 *West Central (surrounding Rochester, Elmira) NY - Pt. 9	110,294	-0.331	-0.112	-0.020	-0.065	1722
17	03512 Near South Chicago/McKinley Park, IL	170,965	0.001	0.149	0.009	-0.065	1723
20	00200 *N. Central (Saline) KS - Pt. 1	103,172	-0.455	-0.229	-0.041	-0.065	1724
26	02700 Branch, Cass & St. Joseph Cos. , MI	159,313	-0.276	-0.070	-0.016	-0.065	1725
39	04700 *random (Toledo, Miami), OH - Pt. 33	106,525	-0.456	-0.115	0.017	-0.065	1726
48	05700 *surrounding Houston, TX - Pt. 12	132,051	-0.492	-0.149	0.010	-0.065	1727
42	03600 *Wayne/Pike/Susquehanna Cos., PA - Pt. 1	106,632	-0.154	0.001	-0.018	-0.065	1728
24	00803 N. Baltimore City/Parkville/Overlea, MD	109,058	-0.146	0.070	0.015	-0.065	1729
36	00401 *Central (Utica-Oneonta-Kingston), NY - Pt. 1	152,644	-0.360	-0.097	-0.004	-0.065	1730
28	01000 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 10	112,148	-0.484	-0.183	-0.010	-0.065	1731
21	00600 *Somerset area, KY - Pt. 1	193,452	-0.660	-0.269	0.001	-0.065	1732
21	02000 *Lexington surroundings, KY - Pt. 3	124,904	-0.289	-0.061	-0.008	-0.065	1733
39	01900 *random (Toledo, Miami), OH - Pt. 12	144,811	-0.309	-0.071	-0.007	-0.065	1734
6	00100 *random (Mendocino-Placerville) CA - Pt. 1	115,085	-0.112	-0.024	-0.043	-0.065	1735
1	00905 *Jefferson Co. (Birmingham), AL - Pt. 5	103,892	-0.329	-0.038	0.016	-0.065	1736
55	00600 *Merrill-Stevens Point-Wisconsin Rapids, WI - Pt. 1	303,910	-0.305	-0.109	-0.027	-0.065	1737
34	02202 S. Gloucester/Salem Co., NJ	196,236	-0.054	0.123	0.012	-0.066	1738
28	00700 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 7	109,194	-0.586	-0.232	-0.004	-0.066	1739
28	00400 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 4	127,843	-0.443	-0.165	-0.014	-0.066	1740
48	03503 *El Paso Co. (El Paso), TX - Pt. 3	104,782	-0.402	-0.148	-0.018	-0.066	1741
51	03500 *Pittsylvania Co./Danville, VA - Pt. 1	110,156	-0.419	-0.145	-0.011	-0.066	1742

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
51	02700 *Panhandle of VA - Pt. 3	160,045	-0.561	-0.185	0.012	-0.066	1743
42	03401 *Berks Co. (Reading), PA - Pt. 1	196,767	-0.167	-0.002	-0.016	-0.066	1744
38	00200 *North Dakota (all) - Pt. 2	194,982	-0.472	-0.249	-0.047	-0.066	1745
42	04203 *Delaware Co. (Chester), PA - Pt. 3	150,563	-0.079	0.073	-0.006	-0.066	1746
5	01700 *Southeast (Pine Bluff) AR - Pt. 2	108,053	-0.542	-0.205	-0.004	-0.066	1747
39	03700 *random (Toledo, Miami), OH - Pt. 28	101,040	-0.342	-0.038	0.019	-0.066	1748
45	00301 *Spartanburg Co. (Spartanburg), SC - Pt. 1	111,486	-0.238	-0.079	-0.034	-0.067	1749
13	03300 *Random (Dalton-Athens) GA - Pt. 17	155,028	-0.450	-0.149	-0.004	-0.067	1750
48	02504 *random central (Fort Worth), TX - Pt. 9	163,535	-0.208	0.005	-0.001	-0.067	1751
46	00500 *random SD - Pt. 4	100,749	-0.556	-0.310	-0.053	-0.067	1752
27	01303 *Eastern Hennepin Co. (Minneapolis), MN - Pt. 3	125,382	0.021	0.093	-0.026	-0.067	1753
28	01600 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 13	108,256	-0.496	-0.155	0.006	-0.067	1754
42	00901 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 6	110,185	-0.316	-0.090	-0.016	-0.067	1755
6	04500 Lancaster, CA	118,718	-0.134	0.097	0.022	-0.067	1756
46	00400 NE South Dakota, SD	108,547	-0.472	-0.268	-0.057	-0.067	1757
39	01800 *random (Toledo, Miami), OH - Pt. 11	116,840	-0.311	-0.064	-0.005	-0.067	1758
21	02200 East Kentucky/Boyd/Greenup, KY	135,849	-0.532	-0.178	0.005	-0.067	1759
13	02200 *Random (Dalton-Athens) GA - Pt. 11	100,533	-0.406	-0.107	0.003	-0.067	1760
18	00800 *Northeast IN - Pt. 1	154,683	-0.247	-0.060	-0.022	-0.067	1761
48	01600 *surrounding Houston, TX - Pt. 1	116,186	-0.539	-0.161	0.016	-0.067	1762
48	01700 *Nacogdoches/Angelina Cos. (Lufkin), TX - Pt. 1	139,333	-0.384	-0.163	-0.032	-0.067	1763
48	00900 *random central (Fort Worth), TX - Pt. 4	107,838	-0.391	-0.049	0.027	-0.067	1764
39	00301 *random (Toledo, Miami), OH - Pt. 4	101,457	-0.175	-0.019	-0.024	-0.067	1765
55	01600 *Marathon Co. (Wausau), WI - Pt. 1	125,834	-0.263	-0.085	-0.030	-0.068	1766
6	03502 Tulare/Potterville, CA	119,014	-0.157	-0.012	-0.026	-0.068	1767
18	01100 *Whitley/Huntington/Wells/Adams Cos., IN - Pt. 1	130,007	-0.336	-0.095	-0.013	-0.068	1768
17	02700 *Other IL - Pt. 27	100,011	-0.265	-0.039	-0.007	-0.068	1769
18	02001 *Surrounding Marion Co., IN - Pt. 3	129,797	-0.271	-0.034	-0.002	-0.068	1770
1	00300 *random AL - Pt. 3	184,424	-0.313	-0.050	0.002	-0.068	1771
13	02300 *Random (Dalton-Athens) GA - Pt. 12	199,775	-0.315	-0.088	-0.016	-0.068	1772
55	00100 *Northwest (Superior), WI - Pt. 1	180,782	-0.393	-0.160	-0.028	-0.068	1773
55	02400 *Rock Co. (Jamesville), WI - Pt. 1	152,307	-0.170	-0.007	-0.020	-0.068	1774
9	02400 Bridgeport, CT	139,529	0.069	0.206	0.014	-0.068	1775
51	01600 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 12	119,658	-0.277	-0.096	-0.032	-0.068	1776
47	03102 *Shelby Co. (Memphis), TN - Pt. 2	131,020	-0.162	0.009	-0.014	-0.068	1777
26	03806 Westland/Inkster, MI	165,815	-0.014	0.128	0.000	-0.068	1778
42	02300 *Washington/Greene/Fayette Cos. (Washington), PA - Pt. 3	148,644	-0.488	-0.132	0.014	-0.068	1779
42	01100 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 9	112,792	-0.412	-0.112	0.001	-0.068	1780
39	00501 *Lorain Co. (Lorain-Elyria), OH - Pt. 1	141,250	-0.179	-0.008	-0.018	-0.068	1781
20	00100 *Northwest (Hays) KS - Pt. 1	102,988	-0.584	-0.313	-0.048	-0.069	1782
13	01107 S.W. Atlanta/Union City, GA	103,053	-0.114	0.093	0.012	-0.069	1783
21	00800 Southeast Kentucky/Harlan/Whitley, KY	130,922	-0.712	-0.246	0.024	-0.069	1784
20	01200 *Southwest (Dodge City) KS - Pt. 1	156,077	-0.380	-0.191	-0.049	-0.069	1785
48	01900 *random central (Fort Worth), TX - Pt. 5	135,939	-0.474	-0.141	0.004	-0.069	1786
47	02600 *Western (Jackson-Clarksville) TN - Pt. 5	133,851	-0.306	-0.053	-0.003	-0.069	1787
51	02500 *Panhandle of VA - Pt. 1	114,319	-0.599	-0.203	0.011	-0.070	1788
37	03500 *random NC - Pt. 7	102,057	-0.416	-0.148	-0.017	-0.070	1789
13	02800 *Gwinnett/Cobb & Other Co. (Marietta-Columbus), GA - Pt. 16	168,662	-0.310	-0.069	-0.010	-0.070	1790
27	02400 *Random (Rochester-Bemidji) MN - Pt. 13	122,598	-0.320	-0.118	-0.032	-0.070	1791
17	00101 *Other IL - Pt. 1	106,898	-0.316	-0.077	-0.012	-0.070	1792
51	02300 *random (Charlottesville-Roanoke-Lynchburg) VA - Pt. 18	150,959	-0.266	-0.040	-0.009	-0.070	1793
42	00500 *Scranton--Wilkes-Barre/Bethlehem-Allentown, PA - Pt. 1	110,690	-0.414	-0.109	0.002	-0.070	1794
32	00509 Downtown Vegas/Upper Strip, NV	137,362	-0.052	0.076	-0.016	-0.070	1795
12	02701 *Hillsborough Co. (Tampa), FL - Pt. 1	138,437	-0.258	-0.038	-0.010	-0.070	1796
40	00200 *random OK - Pt. 2	117,304	-0.462	-0.222	-0.041	-0.070	1797
17	01900 *Tazewell Co. (Pekin), IL - Pt. 1	128,485	-0.230	-0.023	-0.012	-0.070	1798
17	03519 Southeast Chicago/East Side, IL	108,288	-0.091	0.140	0.028	-0.070	1799
36	00804 *East Central (Syracuse Area, Binghamton) NY - Pt. 4	102,852	-0.268	-0.040	-0.009	-0.070	1800
40	00700 *southeast OK - Pt. 2	175,957	-0.644	-0.265	-0.007	-0.070	1801
1	00700 *random AL - Pt. 7	132,583	-0.598	-0.198	0.012	-0.071	1802
48	05609 *Bexar Co. (San Antonio), TX - Pt. 9	128,363	-0.344	-0.082	-0.007	-0.071	1803
36	02800 *West Central (surrounding Rochester, Elmira) NY - Pt. 10	123,347	-0.385	-0.100	-0.004	-0.071	1804
27	01301 *Eastern Hennepin Co. (Minneapolis), MN - Pt. 1	133,155	-0.039	0.094	-0.012	-0.071	1805
42	02501 *Cambria/Somerset etc Cos. (Johnstown), PA - Pt. 1	132,258	-0.483	-0.157	-0.002	-0.071	1806
48	02314 DeSoto City/Rowlett, TX	160,667	-0.175	0.078	0.021	-0.071	1807
39	03107 *Franklin Co. (Columbus), OH - Pt. 7	100,967	-0.157	0.016	-0.015	-0.071	1808
39	01202 *Summit Co. (Akron), OH - Pt. 5	106,412	-0.207	-0.021	-0.019	-0.071	1809

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State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
17	00600 *Other IL - Pt. 8	104,075	-0.386	-0.130	-0.019	-0.072	1810
13	01105 College Park/East Point, GA	106,368	-0.121	0.088	0.009	-0.072	1811
42	01400 *Clearfield/Jefferson Cos. (DuBois), PA - Pt. 1	129,314	-0.505	-0.170	-0.004	-0.072	1812
54	01100 *Southern (Beckley) WV - Pt. 2	116,017	-0.659	-0.213	0.022	-0.072	1813
18	02800 *random (Evansville) IN - Pt. 5	101,196	-0.458	-0.138	-0.002	-0.073	1814
48	02312 East Dallas City/Sunnyvale/Forney, TX	135,008	-0.131	0.087	0.011	-0.073	1815
20	01300 *Other (Wichita, Topeka, Lawrence) KS - Pt. 7	200,110	-0.297	-0.064	-0.014	-0.073	1816
48	02313 Grand Prairie, TX	105,722	-0.155	0.057	0.003	-0.073	1817
36	02602 Binghamton, NY	126,423	-0.259	-0.104	-0.046	-0.073	1818
18	02306 *Marion Co. (Indianapolis), IN - Pt. 6	126,021	-0.187	0.018	-0.007	-0.073	1819
17	01101 *Other IL - Pt. 13	181,480	-0.313	-0.043	0.001	-0.073	1820
18	02700 *random (Evansville) IN - Pt. 4	149,192	-0.382	-0.114	-0.014	-0.073	1821
45	01800 *Southern (Beaufort) SC - Pt. 1	179,500	-0.490	-0.142	0.005	-0.074	1822
1	00200 *random AL - Pt. 2	157,952	-0.222	-0.050	-0.031	-0.074	1823
18	02200 *random (Evansville) IN - Pt. 2	147,006	-0.357	-0.096	-0.013	-0.074	1824
28	00300 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 3	102,047	-0.610	-0.221	0.001	-0.074	1825
13	02600 Putnam & Jasper Cos., GA	138,592	-0.402	-0.099	-0.001	-0.074	1826
53	00901 *Yakima Co. (Yakima), WA - Pt. 1	100,341	-0.179	-0.029	-0.034	-0.074	1827
19	01800 *Southeast (Burlington) IA - Pt. 1	154,644	-0.363	-0.142	-0.035	-0.074	1828
36	00902 *Rochester, NY - Pt. 2	114,570	-0.100	0.010	-0.039	-0.074	1829
39	03105 *Franklin Co. (Columbus), OH - Pt. 5	147,537	-0.132	0.018	-0.025	-0.074	1830
22	00900 *Central and South (Lake Charles) LA - Pt. 3	183,577	-0.327	-0.075	-0.013	-0.075	1831
18	01500 *N. Central (Lafayette-Kokomo) IN - Pt. 4	111,972	-0.408	-0.123	-0.012	-0.075	1832
26	01403 Wyoming/Walker, MI	132,258	-0.120	0.023	-0.027	-0.075	1833
18	03700 *random (Evansville) IN - Pt. 13	121,582	-0.259	-0.092	-0.042	-0.075	1834
22	00101 *Northwest (Shreveport) LA - Pt. 1	137,078	-0.395	-0.119	-0.014	-0.075	1835
17	00500 *Other IL - Pt. 7	104,351	-0.411	-0.112	-0.006	-0.075	1836
46	00300 *random SD - Pt. 3	104,499	-0.584	-0.320	-0.058	-0.075	1837
10	00103 *New Castle Co. (Wilmington), DE - Pt. 3	122,063	-0.016	0.109	-0.016	-0.075	1838
39	00302 *random (Toledo, Miami), OH - Pt. 5	111,238	-0.201	-0.016	-0.022	-0.075	1839
6	03401 W. Fresno, CA	139,883	-0.185	-0.008	-0.023	-0.075	1840
1	00901 *Jefferson Co. (Birmingham), AL - Pt. 1	103,629	-0.284	-0.039	-0.009	-0.075	1841
6	04405 Far north Bernardino/ Barstow, CA	166,142	-0.184	0.047	0.004	-0.075	1842
48	04623 *Harris Co. (Houston), TX - Pt. 23	155,011	-0.207	0.067	0.020	-0.076	1843
17	00102 *Other IL - Pt. 2	101,661	-0.343	-0.072	-0.008	-0.076	1844
29	01701 North St. Louis/Spanish Lake, MO	130,072	-0.243	0.013	0.004	-0.076	1845
22	01300 *Baton Rouge area, LA - Pt. 1	103,079	-0.401	-0.050	0.021	-0.076	1846
17	03516 Near South Chicago/Greater Grand Crossing, IL	171,275	-0.110	0.148	0.032	-0.076	1847
4	00118 *Maricopa Co. (Phoenix), AZ - Pt. 18	148,303	-0.207	0.010	-0.008	-0.076	1848
32	00505 *Las Vegas, NV - Pt. 5	115,608	-0.101	0.077	-0.007	-0.076	1849
19	00100 *Northwest (Spirit Lake-Spencer-Storm Lake) IA - Pt. 1	140,838	-0.447	-0.202	-0.041	-0.076	1850
27	00700 *Random (Rochester-Bemidji) MN - Pt. 6	113,785	-0.466	-0.192	-0.031	-0.076	1851
26	04000 Warren, MI	138,247	-0.004	0.139	-0.006	-0.077	1852
17	01000 *Other IL - Pt. 12	130,777	-0.427	-0.122	-0.008	-0.077	1853
17	01600 *Other IL - Pt. 19	105,715	-0.381	-0.087	-0.004	-0.077	1854
39	01600 *random (Toledo, Miami), OH - Pt. 9	125,602	-0.371	-0.092	-0.010	-0.077	1855
5	01900 *Western (Fort Smith, Texarkana, Hot Springs) AR - Pt. 4	107,475	-0.534	-0.195	-0.012	-0.077	1856
17	03518 Far South Chicago/Roseland, IL	108,102	-0.150	0.149	0.043	-0.077	1857
48	06200 *surrounding Houston, TX - Pt. 14	119,126	-0.371	-0.076	-0.002	-0.077	1858
42	04104 Near North Philly/Germantown, PA	171,538	-0.200	0.079	0.023	-0.077	1859
26	00800 Midland-Bay City, MI	193,031	-0.236	-0.001	-0.007	-0.078	1860
36	00402 *Central (Utica-Oneonta-Kingston), NY - Pt. 2	147,252	-0.290	-0.099	-0.039	-0.078	1861
24	00801 N.W. Baltimore City/Pikesville, MD	101,737	-0.170	0.070	0.009	-0.078	1862
28	00500 *Northern (Oxford-Tupelo-Corinth) MS - Pt. 5	109,610	-0.506	-0.149	0.001	-0.078	1863
34	01301 Southeast Newark City/New Jersey Turnpike, NJ	147,927	0.069	0.201	0.001	-0.078	1864
27	00400 *St. Louis Co. (Duluth), MN - Pt. 1	200,528	-0.332	-0.089	-0.022	-0.078	1865
19	00200 *Northern (Mason City) IA - Pt. 1	133,820	-0.471	-0.209	-0.039	-0.078	1866
36	00500 *St. Lawrence/Jefferson/Lewis (Watertown), NY - Pt. 2	138,682	-0.387	-0.126	-0.023	-0.078	1867
17	01800 *Other IL - Pt. 21	105,966	-0.236	-0.005	-0.009	-0.079	1868
48	03504 *El Paso Co. (El Paso), TX - Pt. 4	191,546	-0.472	-0.147	-0.009	-0.079	1869
48	01500 *Henderson/Anderson/Rusk etc Cos. (Henderson), TX - Pt. 1	116,787	-0.511	-0.164	-0.005	-0.079	1870
48	04901 *Galveston Co., TX - Pt. 1	115,536	-0.211	-0.013	-0.021	-0.079	1871
17	02500 *Other IL - Pt. 25	116,937	-0.392	-0.100	-0.010	-0.079	1872
48	05000 *surrounding Houston, TX - Pt. 10	118,745	-0.476	-0.118	0.007	-0.079	1873
6	08200 Mexicali/El Centro/Salton Sea, CA	142,361	-0.107	0.056	-0.019	-0.080	1874
17	03102 *Other IL - Pt. 37	114,467	-0.084	0.111	0.001	-0.080	1875
37	00902 *Charlottesville, Wilmington and other NC - Pt. 2	102,718	-0.171	0.030	-0.013	-0.080	1876

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
40	00300 *random OK - Pt. 3	108,895	-0.572	-0.276	-0.044	-0.080	1877
9	00600 New Britain, CT	107,081	0.044	0.141	-0.023	-0.080	1878
39	03500 *MWashington Co. area (Marietta), OH - Pt. 1	107,386	-0.463	-0.118	0.002	-0.080	1879
29	01803 Near South St. Louis, MO	135,596	-0.207	0.018	-0.008	-0.080	1880
45	00400 *Northern and Eastern (Florence-Myrtle Beach) SC - Pt. 1	116,486	-0.437	-0.107	-0.001	-0.081	1881
42	01500 *Venango/Clarion/Forest Cos., PA - Pt. 1	104,276	-0.515	-0.169	-0.009	-0.081	1882
48	00200 *Potter/Randall (Amarillo), TX - Pt. 1	113,546	-0.375	-0.135	-0.034	-0.081	1883
48	06400 *Southern (Corpus Christi-Laredo), TX - Pt. 5	103,329	-0.423	-0.108	-0.007	-0.081	1884
18	00201 North Indiana/Lake/North, IN	120,599	-0.223	0.020	-0.003	-0.081	1885
42	01807 *Alleghany Co. (Pittsburgh), PA - Pt. 10	148,873	-0.351	-0.030	0.010	-0.081	1886
5	01800 *S. Central (El Dorado) AR - Pt. 1	114,976	-0.524	-0.191	-0.018	-0.082	1887
1	01500 *random AL - Pt. 12	128,750	-0.565	-0.135	0.022	-0.082	1888
13	03900 *South Central (Valdosta) GA - Pt. 1	114,573	-0.462	-0.178	-0.032	-0.083	1889
48	01100 *Northeast (Paris), TX - Pt. 2	119,744	-0.488	-0.155	-0.012	-0.083	1890
11	00104 Anacostia/East of River, DC	139,614	-0.073	0.166	0.023	-0.083	1891
47	00100 *Western (Jackson-Clarksville) TN - Pt. 1	175,262	-0.472	-0.151	-0.015	-0.083	1892
27	01502 *Southern Ramsey Co. (Saint Paul), MN - Pt. 2	122,123	-0.101	0.068	-0.019	-0.084	1893
39	04503 *Hamilton Co. (Cincinnati), OH - Pt. 7	103,016	-0.160	0.036	-0.017	-0.084	1894
17	03508 Near West Chicago/Elmwood Park, IL	151,504	-0.084	0.146	0.015	-0.084	1895
48	02308 Dallas City/Cedar Hill, TX	163,249	-0.186	0.076	0.011	-0.084	1896
42	00300 *Crawford/Warren Cos. (Meadville), PA - Pt. 1	134,229	-0.425	-0.124	-0.017	-0.084	1897
6	03903 N. & SW. Bakersfield/Oildale, CA	141,891	-0.142	0.053	-0.014	-0.084	1898
47	03103 *Shelby Co. (Memphis), TN - Pt. 3	127,949	-0.239	0.005	-0.009	-0.084	1899
26	01200 Muskegon Co. (Muskegon), MI	170,200	-0.302	-0.036	-0.010	-0.084	1900
21	00200 *Hopkinsville area, KY - Pt. 1	110,606	-0.581	-0.173	0.006	-0.084	1901
13	03200 *Random (Dalton-Athens) GA - Pt. 16	108,166	-0.562	-0.176	-0.001	-0.084	1902
20	01100 *S. Central (Great Bend) KS - Pt. 1	108,581	-0.587	-0.234	-0.023	-0.085	1903
36	04007 Brownsville/Ocean Hill, NY	116,790	-0.079	0.173	0.026	-0.085	1904
48	04625 *Harris Co. (Houston), TX - Pt. 25	141,674	-0.174	0.058	-0.003	-0.085	1905
39	02400 *random (Toledo, Miami), OH - Pt. 17	144,120	-0.480	-0.115	0.003	-0.085	1906
18	02304 *Marion Co. (Indianapolis), IN - Pt. 4	133,461	-0.168	0.019	-0.025	-0.085	1907
39	00902 North Youngstown, OH	129,429	-0.294	-0.057	-0.025	-0.086	1908
48	03801 *McLennan Co. (Waco), TX - Pt. 1	102,610	-0.341	-0.106	-0.036	-0.086	1909
21	00100 *Southwestern(Paducah-Mayfield-Murray) KY - Pt. 1	193,495	-0.456	-0.145	-0.020	-0.086	1910
39	00100 *random (Toledo, Miami), OH - Pt. 1	107,898	-0.318	-0.071	-0.026	-0.087	1911
1	02100 *random AL - Pt. 18	165,395	-0.567	-0.142	0.015	-0.087	1912
22	01501 *Baton Rouge area, LA - Pt. 4	105,183	-0.422	-0.082	0.000	-0.087	1913
18	03500 *random (Evansville) IN - Pt. 11	103,194	-0.385	-0.039	0.011	-0.087	1914
48	04502 *surrounding Houston, TX - Pt. 6	177,767	-0.363	0.025	0.035	-0.088	1915
13	02700 *Bibb Co. (Macon) GA - Pt. 1	153,887	-0.311	-0.039	-0.013	-0.088	1916
48	02800 *random central (Fort Worth), TX - Pt. 19	117,487	-0.590	-0.217	-0.018	-0.088	1917
17	00103 *Other IL - Pt. 3	108,408	-0.277	-0.071	-0.040	-0.089	1918
13	04100 *Gwinnett/Cobb & Other Co. (Marietta-Columbus), GA - Pt. 21	140,668	-0.516	-0.158	-0.011	-0.089	1919
18	01600 *random (Evansville) IN - Pt. 1	109,257	-0.438	-0.110	-0.010	-0.089	1920
42	02202 *Washington/Greene/Fayette Cos. (Washington), PA - Pt. 2	100,935	-0.449	-0.063	0.016	-0.089	1921
36	02900 *Cattaraugus/Allegheny Cos. NY - Pt. 1	133,882	-0.488	-0.128	-0.005	-0.089	1922
21	01500 *Owensboro area, KY - Pt. 1	105,894	-0.507	-0.144	-0.007	-0.089	1923
13	03800 *Southeast (Waycross-Douglas) GA - Pt. 1	138,033	-0.531	-0.158	-0.007	-0.090	1924
42	03500 *Schuylkill Co. (Pottsville), PA - Pt. 1	150,336	-0.447	-0.077	0.008	-0.090	1925
48	06301 *Southern (Corpus Christi-Laredo), TX - Pt. 3	121,832	-0.321	-0.085	-0.035	-0.090	1926
48	06800 *Cameron Co. (Brownsville-Harlingen), TX - Pt. 1	139,722	-0.498	-0.172	-0.025	-0.090	1927
29	01702 N.W. St.Louis/Florissant/Lambert-St.Louis Int'l Airport, MO	135,192	-0.216	0.023	-0.013	-0.090	1928
39	04501 *Hamilton Co. (Cincinnati), OH - Pt. 5	123,557	-0.210	0.039	-0.007	-0.091	1929
48	01000 *Northeast (Paris), TX - Pt. 1	150,724	-0.519	-0.155	-0.011	-0.091	1930
39	01201 *Summit Co. (Akron), OH - Pt. 4	110,662	-0.267	-0.024	-0.022	-0.091	1931
36	00901 *Rochester, NY - Pt. 1	105,203	-0.180	0.010	-0.032	-0.092	1932
18	00900 *Allen Co. (Fort Wayne), IN - Pt. 1	205,727	-0.321	-0.050	-0.019	-0.092	1933
36	01402 Buffalo downtown, NY	109,943	-0.214	-0.013	-0.033	-0.092	1934
39	00603 *Cleveland (city), OH - Pt. 1	104,941	-0.174	0.035	-0.022	-0.092	1935
39	01700 *random (Toledo, Miami), OH - Pt. 10	155,084	-0.341	-0.084	-0.031	-0.092	1936
48	03200 *random central (Fort Worth), TX - Pt. 22	116,009	-0.304	-0.077	-0.038	-0.092	1937
38	00300 *North Dakota (all) - Pt. 3	113,504	-0.640	-0.291	-0.043	-0.092	1938
48	04801 *Brazoria Co. (Angleton), TX - Pt. 1	132,703	-0.298	0.004	0.000	-0.092	1939
48	06900 *Cameron Co. (Brownsville-Harlingen), TX - Pt. 2	195,505	-0.514	-0.186	-0.029	-0.092	1940
9	00800 Hartford, CT	121,578	-0.019	0.159	-0.007	-0.092	1941
6	03902 East Bakersfield/Arvin/Ridgecrest, CA	146,717	-0.216	0.048	-0.003	-0.093	1942
25	01900 Springfield, MA	152,082	-0.177	0.019	-0.030	-0.093	1943



TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

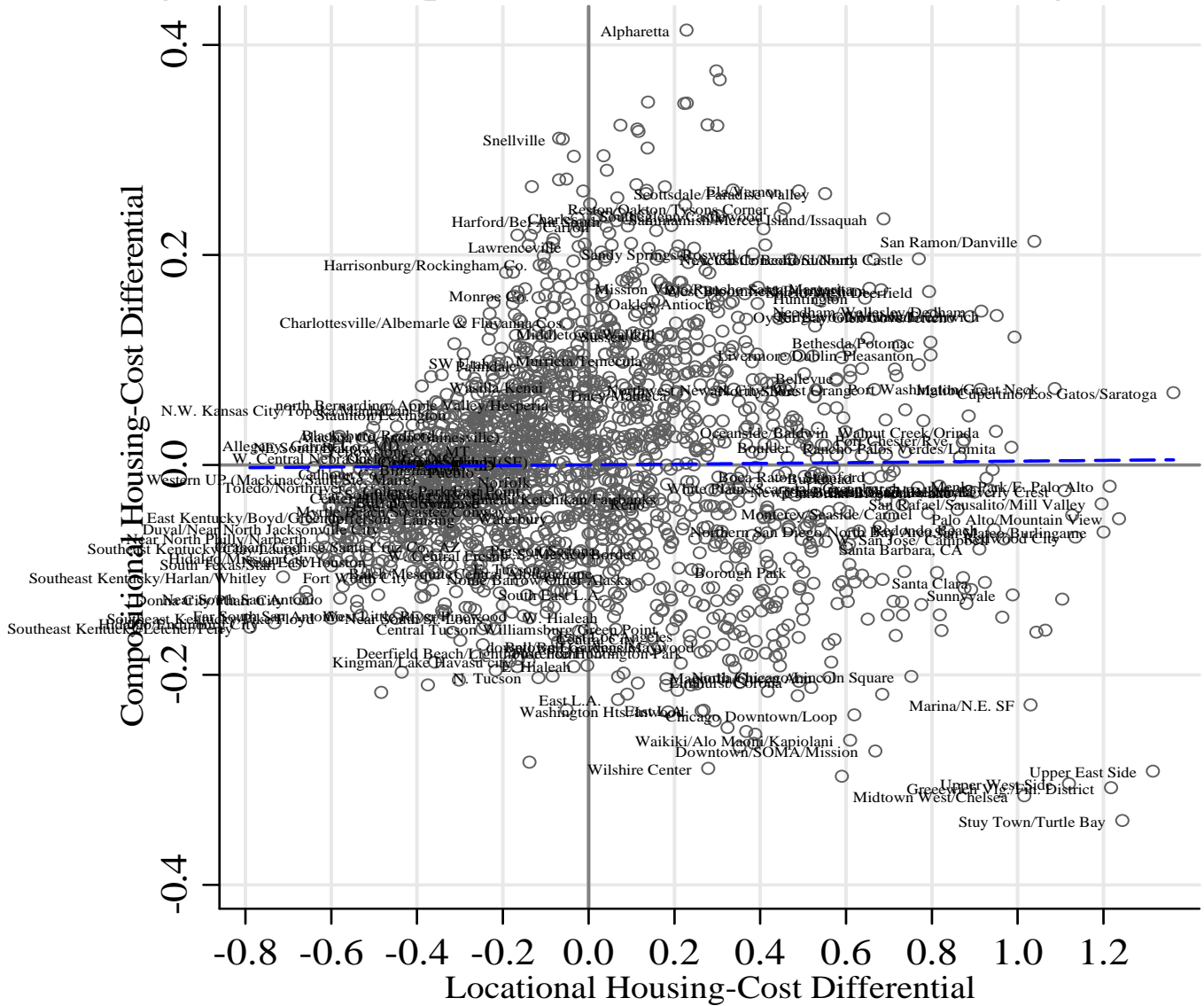
State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
42	00400 *Mckean Co. area (Bradford), PA - Pt. 1	105,102	-0.443	-0.144	-0.031	-0.094	1944
13	03100 *Gwinnett/Cobb & Other Co. (Marietta-Columbus), GA - Pt. 19	117,792	-0.507	-0.147	-0.013	-0.094	1945
48	04614 *Harris Co. (Houston), TX - Pt. 14	146,951	-0.180	0.065	-0.006	-0.094	1946
48	04606 *Harris Co. (Houston), TX - Pt. 6	133,599	-0.226	0.068	0.009	-0.094	1947
18	00500 *St. Joseph Co. (South Bend), IN - Pt. 1	107,789	-0.311	-0.064	-0.032	-0.095	1948
26	01300 Grand Rapids, MI	197,800	-0.170	0.020	-0.033	-0.095	1949
36	01502 *Niagara Co. (Niagara Falls), NY - Pt. 2	111,919	-0.263	-0.029	-0.030	-0.095	1950
48	04200 *Hardin/Orange Cos. (Orange), TX - Pt. 1	133,039	-0.415	-0.054	0.004	-0.095	1951
36	00700 Syracuse, NY	147,306	-0.217	-0.020	-0.040	-0.096	1952
36	03000 *Chautauqua Co. (Jamestown-Dunkirk), NY - Pt. 1	139,750	-0.413	-0.113	-0.028	-0.097	1953
17	02000 *McLean Co. (Bloomington), IL - Pt. 1	150,433	-0.151	0.018	-0.042	-0.097	1954
39	03103 *Franklin Co. (Columbus), OH - Pt. 3	102,397	-0.236	0.017	-0.017	-0.097	1955
35	01100 *all (Albuquerque-Santa Fe-Las Cruces) NM - Pt. 15	107,169	-0.512	-0.169	-0.026	-0.097	1956
17	00800 *Other IL - Pt. 10	149,561	-0.553	-0.144	-0.002	-0.098	1957
31	00903 *Douglas Co. (Omaha), NE - Pt. 3	106,720	-0.347	-0.076	-0.031	-0.098	1958
48	03100 *random central (Fort Worth), TX - Pt. 21	110,730	-0.587	-0.217	-0.029	-0.099	1959
17	02800 *Other IL - Pt. 28	150,115	-0.248	-0.002	-0.024	-0.099	1960
34	02400 Cumberland Co., NJ	146,438	-0.132	0.100	-0.009	-0.099	1961
48	05605 *Bexar Co. (San Antonio), TX - Pt. 5	154,732	-0.448	-0.080	-0.003	-0.100	1962
27	01900 *Random (Rochester-Bemidji) MN - Pt. 8	107,815	-0.502	-0.210	-0.053	-0.100	1963
48	02303 Balch/Mesquite, TX	138,726	-0.278	0.069	0.019	-0.100	1964
27	02300 *Random (Rochester-Bemidji) MN - Pt. 12	124,277	-0.150	0.010	-0.049	-0.100	1965
27	00100 *Random (Rochester-Bemidji) MN - Pt. 1	139,701	-0.480	-0.155	-0.032	-0.100	1966
17	00700 *Other IL - Pt. 9	110,889	-0.536	-0.161	-0.018	-0.101	1967
19	00900 *Fort Dodge area, IA - Pt. 1	101,165	-0.505	-0.185	-0.039	-0.101	1968
13	02500 *Random (Dalton-Athens) GA - Pt. 14	109,027	-0.535	-0.115	0.004	-0.101	1969
29	01703 West St.Louis/University City, MO	118,417	-0.258	0.017	-0.014	-0.101	1970
26	00900 Saginaw Co. (Saginaw/Frankenmuth), MI	210,039	-0.277	0.007	-0.013	-0.101	1971
38	00100 *North Dakota (all) - Pt. 1	109,043	-0.613	-0.236	-0.033	-0.102	1972
26	02800 Calhoun Co. (Battle Creek), MI	137,985	-0.276	-0.006	-0.020	-0.102	1973
48	04300 *Jefferson Cos. (Beaumont-Port Arthur), TX - Pt. 1	113,866	-0.358	-0.040	-0.013	-0.102	1974
13	04000 *Gwinnett/Cobb & Other Co. (Marietta-Columbus), GA - Pt. 20	120,822	-0.337	-0.064	-0.032	-0.102	1975
48	04615 *Harris Co. (Houston), TX - Pt. 15	146,298	-0.259	0.066	0.009	-0.103	1976
26	03804 Taylor/Romulus, MI	114,440	-0.126	0.123	-0.003	-0.103	1977
20	01403 *Other (Wichita, Topeka, Lawrence) KS - Pt. 10	124,684	-0.331	-0.074	-0.039	-0.103	1978
6	03901 West Bakersfield/ Delano/Wasco, CA	125,980	-0.227	0.049	-0.010	-0.104	1979
42	01703 *Alleghany Co. (Pittsburgh), PA - Pt. 3	122,298	-0.323	-0.013	-0.012	-0.104	1980
45	01400 *Northern and Eastern (Florence-Myrtle Beach) SC - Pt. 3	126,934	-0.513	-0.136	-0.016	-0.104	1981
42	04108 West Philly/Lancaster Ave./West Parkside, PA	130,546	-0.263	0.078	0.015	-0.104	1982
29	02100 *Southeast (Kennett-Sikeston) MO - Pt. 1	126,811	-0.603	-0.213	-0.027	-0.104	1983
42	01701 *Alleghany Co. (Pittsburgh), PA - Pt. 1	109,554	-0.310	-0.011	-0.016	-0.104	1984
47	03105 *Shelby Co. (Memphis), TN - Pt. 5	105,037	-0.340	-0.007	-0.004	-0.104	1985
47	03101 *Shelby Co. (Memphis), TN - Pt. 1	165,412	-0.315	-0.004	-0.011	-0.105	1986
4	00110 *Maricopa Co. (Phoenix), AZ - Pt. 10	103,499	-0.124	0.020	-0.057	-0.105	1987
17	02200 *Other IL - Pt. 22	169,172	-0.400	-0.076	-0.021	-0.105	1988
48	02301 Dallas downtown north, TX	102,559	-0.266	0.063	0.007	-0.105	1989
48	02307 Dallas downtown south, TX	140,986	-0.267	0.062	0.006	-0.106	1990
24	00806 South Baltimore City downtown, MD	100,428	-0.251	0.073	0.007	-0.106	1991
17	01201 *Other IL - Pt. 15	122,336	-0.373	-0.039	-0.012	-0.106	1992
42	04103 North Philly/Mayfair/Wissinoming Park, PA	114,789	-0.240	0.079	0.006	-0.107	1993
24	00804 E/SE Baltimore (downtown), MD	136,085	-0.277	0.072	0.014	-0.107	1994
48	03300 *Ector Co. (Odessa), TX - Pt. 1	121,123	-0.490	-0.147	-0.033	-0.108	1995
36	03705 Morrisania/E. Tremont, NY	141,685	-0.124	0.189	0.024	-0.108	1996
26	02301 Townships near Flint, MI	115,033	-0.277	0.063	0.007	-0.108	1997
21	00900 Southeast Kentucky/Letcher/Perry, KY	120,656	-0.789	-0.234	0.015	-0.109	1998
48	04611 *Harris Co. (Houston), TX - Pt. 11	133,154	-0.250	0.058	-0.004	-0.109	1999
26	00200 Central UP (Marquette), MI	108,568	-0.399	-0.075	-0.027	-0.110	2000
39	00608 Southeast Cleveland/Warren, OH	133,914	-0.321	0.029	0.000	-0.112	2001
17	00200 *Other IL - Pt. 4	118,232	-0.490	-0.083	-0.005	-0.112	2002
29	01002 *Northern (Kansas City) MO - Pt. 11	105,662	-0.376	-0.056	-0.026	-0.113	2003
13	01106 Center Hill-West Lake, GA	103,547	-0.263	0.088	0.011	-0.113	2004
17	01700 *Other IL - Pt. 20	112,936	-0.233	-0.009	-0.046	-0.113	2005
48	06703 *Hidalgo Co. (McAllen-Edinburg-Mission), TX - Pt. 4	122,312	-0.540	-0.160	-0.030	-0.114	2006
48	03400 *random central (Fort Worth), TX - Pt. 23	105,339	-0.657	-0.207	-0.019	-0.115	2007
48	04622 Northeast Houston/Sheldon Lake State Park, TX	156,588	-0.285	0.065	0.005	-0.115	2008
48	00400 *Lubbock surroundings, TX - Pt. 1	135,243	-0.619	-0.210	-0.032	-0.116	2009
36	00600 *Oswego Co. (Oswego-Pulaski), NY - Pt. 1	122,377	-0.343	0.029	0.003	-0.116	2010

TABLE A1: LIST OF METROPOLITAN AND NON-METROPOLITAN AREAS BY ESTIMATED QUALITY OF LIFE

State	PUMA	Popu-	Housing	Wage	Full	Quality	QOL
FIPS	FIPS	lation	Cost	by Work-	Commut	of Life	PUMA
Code	Code Name of PUMA	(1)	Index	place	Cost	Adj.	Rank
			(2)	(3)	(4)	(5)	(6)
18	02305 *Marion Co. (Indianapolis), IN - Pt. 5	167,055	-0.318	0.016	-0.012	-0.116	2011
9	01900 Waterbury, CT	107,271	-0.058	0.134	-0.032	-0.117	2012
39	04000 *Montgomery Co. (Dayton), OH - Pt. 1	166,179	-0.322	-0.006	-0.022	-0.117	2013
26	03807 Lincoln Park/Wyandotte/River Rouge, MI	129,271	-0.114	0.142	-0.013	-0.118	2014
48	05603 *Bexar Co. (San Antonio), TX - Pt. 3	105,949	-0.461	-0.080	-0.018	-0.118	2015
27	02500 *Random (Rochester-Bemidji) MN - Pt. 14	122,907	-0.580	-0.209	-0.048	-0.120	2016
18	00100 North Indiana/Lake/Calumet, IN	102,746	-0.356	0.034	0.005	-0.120	2017
48	06500 South Texas/Starr, TX	131,081	-0.684	-0.187	-0.006	-0.120	2018
18	01700 *N. Central (Lafayette-Kokomo) IN - Pt. 5	101,541	-0.251	0.038	-0.025	-0.121	2019
12	01102 Duval/Near North Jacksonville City, FL	136,875	-0.451	-0.049	-0.009	-0.121	2020
21	01701 *Jefferson Co. (Louisville), KY - Pt. 1	145,037	-0.388	-0.056	-0.031	-0.121	2021
34	02101 Camden City downtown, NJ	129,479	-0.231	0.132	0.015	-0.121	2022
26	00100 Western UP (Houghton), MI	104,115	-0.513	-0.141	-0.036	-0.122	2023
55	02002 West Side Milwaukee, WI	145,708	-0.256	0.033	-0.027	-0.122	2024
36	00100 *St. Lawrence/Jefferson/Lewis (Watertown), NY - Pt. 1	111,931	-0.461	-0.082	-0.023	-0.122	2025
20	00500 Kansas City downtown, KS	157,882	-0.389	-0.022	-0.016	-0.123	2026
17	01500 *Macon Co. (Decatur), IL - Pt. 1	114,706	-0.367	-0.043	-0.033	-0.123	2027
48	05900 *Del Rio area, TX - Pt. 1	154,381	-0.572	-0.168	-0.034	-0.124	2028
48	06702 Hidalgo/Mission City, TX	100,637	-0.608	-0.161	-0.020	-0.124	2029
42	04110 Downtown/Queen Village, PA	125,879	-0.299	0.077	0.005	-0.124	2030
26	03708 W. Detroit (Rosedale), MI	137,435	-0.202	0.130	0.002	-0.125	2031
34	01302 South Newark City, NJ	125,619	-0.095	0.203	0.006	-0.125	2032
2	00400 Nome/Barrow/Other Alaska, AK	100,526	0.139	0.125	-0.105	-0.125	2033
39	00606 Cleveland downtown, OH	102,936	-0.278	0.031	-0.026	-0.127	2034
48	02502 Fort Worth City, TX	127,119	-0.382	-0.004	-0.013	-0.127	2035
26	01800 Lansing, MI	119,128	-0.271	0.025	-0.032	-0.127	2036
26	00300 Western UP (Mackinac/Sault Ste. Maire), MI	104,933	-0.363	-0.038	-0.036	-0.127	2037
36	01401 South Buffalo City/ West Seneca, NY	182,705	-0.394	-0.014	-0.015	-0.128	2038
26	03704 N.W. Detroit (Palmer Park/Harmony Village, MI	123,014	-0.215	0.132	0.004	-0.128	2039
48	04601 *Harris Co. (Houston), TX - Pt. 1	127,994	-0.335	0.048	-0.002	-0.128	2040
48	05602 Far South San Antonio, TX	113,367	-0.530	-0.081	-0.008	-0.129	2041
55	02003 North Side/Downtown Milwaukee, WI	134,585	-0.335	0.028	-0.014	-0.130	2042
1	00902 *Jefferson Co. (Birmingham), AL - Pt. 2	123,233	-0.456	-0.041	-0.012	-0.130	2043
48	00100 North Texas/Moore City/Hutchingson, TX	185,004	-0.579	-0.153	-0.031	-0.131	2044
39	00607 Northeast Cleveland/Mentor/Middlefield, OH	137,949	-0.378	0.023	-0.007	-0.133	2045
36	03803 Central Harlem, NY	109,091	-0.057	0.250	0.008	-0.135	2046
48	06704 Donna City/Pharr City, TX	124,914	-0.673	-0.167	-0.016	-0.137	2047
29	01801 Near North St. Louis/North Riverfront, MO	111,779	-0.455	0.004	0.003	-0.138	2048
42	04111 Southwest Philly/Springfield, PA	154,300	-0.257	0.074	-0.024	-0.140	2049
36	03804 East Harlem, NY	115,433	-0.071	0.249	0.003	-0.143	2050
39	00903 East Austintown/South Youngstown, OH	105,767	-0.528	-0.059	-0.014	-0.145	2051
42	00100 Erie, PA, PA	103,717	-0.379	-0.025	-0.046	-0.149	2052
48	06701 Hidalgo/Endinburg City, TX	115,186	-0.732	-0.166	-0.011	-0.151	2053
26	03703 N.E. Detroit (Burbank/Conner), MI	110,661	-0.305	0.121	0.001	-0.152	2054
48	04608 South Houston/Brookside Village, TX	112,952	-0.402	0.068	0.003	-0.153	2055
24	00805 Near Northwest Baltimore City/Woodlawn, MD	100,631	-0.420	0.070	0.010	-0.153	2056
48	04400 Jefferson, TX	138,185	-0.423	-0.023	-0.037	-0.154	2057
26	02200 Flint, MI	124,943	-0.411	0.073	0.007	-0.155	2058
48	05601 Near South San Antonio, TX	102,340	-0.579	-0.079	-0.018	-0.155	2059
26	03702 East Riverfront/Jefferson East, MI	109,229	-0.339	0.128	0.011	-0.156	2060
36	03710 Motts Haven/Hunts Point, NY	143,228	-0.264	0.182	0.013	-0.159	2061
20	01000 *Other (Wichita, Topeka, Lawrence) KS - Pt. 6	105,105	-0.441	-0.014	-0.036	-0.163	2062
26	03705 Dearborn, MI	114,180	-0.314	0.132	-0.005	-0.166	2063
42	04105 Near North Philly/riverbank/Kensington, PA	167,220	-0.449	0.072	0.003	-0.170	2064
48	04602 Near East Houston, TX	146,966	-0.480	0.056	0.004	-0.170	2065
26	03701 Downtown Detroit/Woodward, MI	135,164	-0.325	0.128	-0.014	-0.177	2066
39	00303 Toledo/Northriver, OH	100,924	-0.531	-0.024	-0.030	-0.180	2067
26	03707 N. Detroit (Pershing/Davison), MI	104,526	-0.430	0.123	0.000	-0.192	2068
24	00100 Allegany, Garrett Co., MD, MD	104,776	-0.404	0.173	0.010	-0.199	2069
42	04107 Near North Philly/Narberth, PA	116,116	-0.619	0.068	0.016	-0.207	2070
26	03706 S.W. Detroit (Chadsey/Condon/Vernor), MI	117,061	-0.533	0.123	0.000	-0.223	2071

\*Not individually named, but contained within a named unit for a consistent-geography PUMA or "CONSPUMA."

Figure A1: Compositional and Locational Housing Costs



----- Linear Fit, slope = 0.00 (s.e. = 0.01)

Unit of observation is the residential PUMA.