

2-2013

County-Specific Net Migration by Five-Year Age Groups, Hispanic Origin, Race and Sex 2000-2010

Richelle Winkler

Michigan Technological University

Kenneth M. Johnson

University of New Hampshire - Main Campus, ken.johnson@unh.edu

Cheng Cheng

Princeton University

Paul R. Voss

Odum Institute for Research in Social Science

Katherine J. Curtis

University of Wisconsin - Madison

Follow this and additional works at: https://scholars.unh.edu/soc_facpub

 Part of the [Demography, Population, and Ecology Commons](#), and the [Social Statistics Commons](#)

Recommended Citation

Winkler, Richelle; Johnson, Kenneth M.; Cheng, Cheng; Voss, Paul R.; and Curtis, Katherine J., "County-Specific Net Migration by Five-Year Age Groups, Hispanic Origin, Race and Sex 2000-2010" (2013). *Sociology Scholarship*. 85.

https://scholars.unh.edu/soc_facpub/85

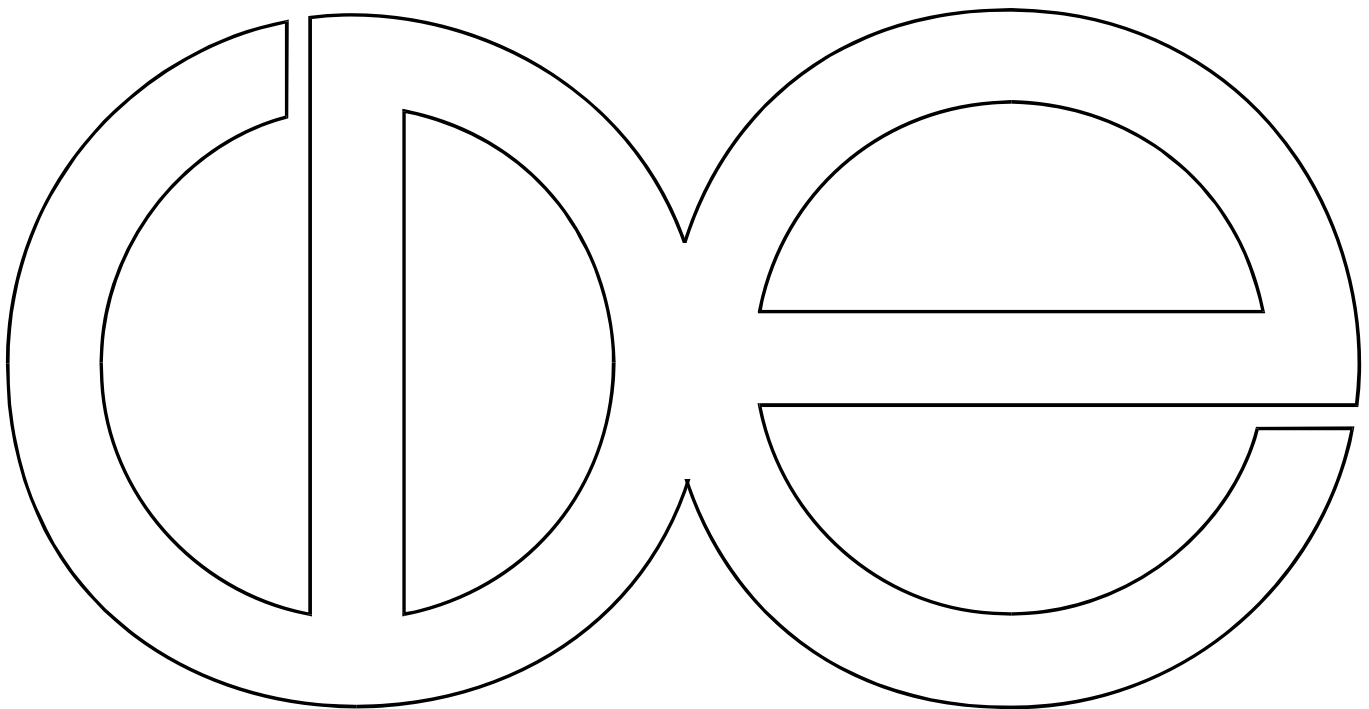
This Report is brought to you for free and open access by the Sociology at University of New Hampshire Scholars' Repository. It has been accepted for inclusion in Sociology Scholarship by an authorized administrator of University of New Hampshire Scholars' Repository. For more information, please contact nicole.hentz@unh.edu.

Center for Demography and Ecology
University of Wisconsin-Madison

**County-Specific Net Migration by Five-Year Age Groups,
Hispanic Origin, Race and Sex 2000-2010**

Richelle L. Winkler
Kenneth M. Johnson
Cheng Cheng
Paul R. Voss
Katherine J. Curtis

CDE Working Paper No. 2013-04



County-Specific Net Migration by Five-Year Age Groups, Hispanic Origin, Race and Sex 2000-2010

Richelle L. Winkler, Department of Social Sciences, Michigan Tech Universityⁱ
Kenneth M. Johnson, The Carsey Institute, University of New Hampshire
Cheng Cheng, Department of Sociology, Princeton University
Paul R. Voss, Odum Institute for Research in Social Science, University of North Carolinaⁱ
Katherine J. Curtis, Department of Community and Environmental Sociology and Applied
Population Laboratory, University of Wisconsin- Madisonⁱ

ⁱ Affiliate of the Center for Demography and Ecology, University of Wisconsin- Madison

February 2013

Contact Information:

Richelle L. Winkler
Department of Social Sciences
Michigan Technological University
217 Academic Office Building
1400 Townsend Drive
Houghton, MI 49931
Tel: 906-487-1886
E-mail: rwinkler@mtu.edu

This research was supported by Grant Number 7R03HD069737-02 from the Eunice Kennedy Shriver National Institute of Child Health and Human Development. Additional support was provided by the U.S. Department of Agriculture, Economic Research Service, Joint Research Agreement No. 58-6000-0-0055. The content is solely the responsibility of the authors and does not necessarily represent the official views of the Eunice Kennedy Shriver National Institute of Child Health and Human Development, the National Institutes of Health, or the United States Department of Agriculture.

The authors wish to express their appreciation to Jim Beaudoin at the Applied Population Laboratory at the University of Wisconsin-Madison for designing an interactive website that makes these data publically available. This website is available at www.netmigration.wisc.edu. In addition, we'd like to thank Dan Veroff of the Applied Population Laboratory, John Cromartie at the USDA Economic Research Service, Warren Brown at the Cornell Institute for Social and Economic Research, Steve Murdoch at Rice University, Laszlo Kulcsar at Kansas State University, and Glenn Fuguitt who is professor emeritus at the University of Wisconsin-Madison for their assistance and encouragement over the course of this project.

County-Specific Net Migration by Five-Year Age Groups, Hispanic Origin, Race and Sex 2000-2010

Richelle L. Winkler, Kenneth M. Johnson, Cheng Cheng,
Paul R. Voss, and Katherine J. Curtis

Introduction

This report documents the methodology used to prepare county-level, net migration estimates by five-year age cohorts and sex, and by race and Hispanic origin, for the intercensal period from 2000 to 2010. The estimates were prepared using a vital statistics version of the forward cohort residual method (Siegel and Hamilton 1952) following the techniques used to prepare the 1990 to 2000 net migration estimates (Voss, McNiven, Johnson, Hammer, and Fuguitt 2004) as described in detail below. These numbers (and the net migration rates derivable from them) extend the set of decennial estimates of net migration that have been produced following each decennial census beginning with 1960 (net migration for the 1950s: Bowles and Tarver, 1965; 1960s: Bowles, Beale and Lee, 1975; 1970s: White, Mueser and Tierney, 1987; 1980s: Fuguitt, Beale, and Voss 2010; and 1990s: Voss, McNiven, Hammer, Johnson and Fuguitt, 2004).

The residual method is a straight-forward manipulation of the demographic balancing equation. The basic methodology begins with the fundamental demographic balancing equation:

$$P_1 = P_0 + (B - D) + (IM - OM) \quad [1]$$

which, upon reorganization of terms, yields:

$$IM - OM = (P_1 - P_0) - (B - D) \quad [2]$$

The equation states that the difference between in-migration (*IM*) and out-migration (*OM*) is equal to the population change over the decade ($P_1 - P_0$) less the “natural increase” over the decade ($B - D$). Since *IM* and *OM* generally are not measured quantities, we cannot know the difference precisely. We can, however, estimate this difference (by using the terms on the right side of the equation), which, following common convention, we call “net migration” (*NM*). We assume these right-hand terms either are known or are capable of being well estimated. Thus, net migration is estimated as the *residual* of the difference between population change and natural increase over an intercensal period.

Equation [2] can be used to estimate net migration for any geographic area for which the right-hand terms are available from reliable sources. (For a comprehensive discussion of the basic method, and the effects of measurement errors in P_0 and P_1 , see Hamilton, 1966.) Further, depending on the availability and quality of data, net migration based on equation [2] can also be calculated for various age, sex, race and Hispanic origin groups, though the equations become burdened with many subscripts, which we omit for readability.

The net migration estimates described here were developed using population counts at Census 2000 and 2010 and birth and death counts from the National Center for Health Statistics as basic input data. They do not rely on sampling and are highly accurate and reliable. The net migration residuals are as solid a set of estimates of net migration as possible to generate in the United States without collecting administrative data on moves.

At the same time, it should be clear that the data described here are estimates of *net* migration. As such, they cannot address inflows and outflows. Net estimates are limited in that they may confound changing migration propensities with changing population stocks, and they cannot depict the important effects of population turnover (they miss the gross flows that often overwhelm any net change), nor can they provide information regarding origins and destinations. Limitations aside, reliable net migration estimates are valid indicators that do capture the ultimate outcomes of how migration changes population composition by age, sex, race, and ethnicity for counties. The dataset described here complements migration flow data available from the Internal Revenue Service (IRS) by providing highly reliable data by detailed demographic characteristics at the county level.

Following a section describing the various uses of county-level net migration estimates, we present a detailed summary of the methodology used to generate the 2000 to 2010 estimates by age, sex, race and Hispanic origin. Finally, some general caveats regarding the use of these estimates are provided. In the six appendices we include (1) a description of our variable naming conventions; (2) tables describing the specific adjustments made to Census 2000 and 2010 enumerated populations; (3) a detailed description of how we handled Broomfield County, Colorado; (4) a table detailing the changes made to Federal Information Processing (FIPS) codes for the purposes of maintaining consistent county boundaries; (5) detailed adjustments to estimates of births in 2009; and (6) a codebook for the electronic dataset.

Uses for County-Level Net Migration Data

County-level net migration data by demographic characteristics are essential for addressing multiple social and economic research and planning needs. Health care needs, social service demands, the size and character of the proximate labor market, demand on the local infrastructure, housing markets, and environmental impacts are all affected by changes in population composition induced by differential age-specific migration. Furthermore, researchers must be able to connect specific migration outcomes with local socioeconomic conditions to investigate the community level causes and consequences of migration.

Important research examining the extent to which natural increase or migration of particular populations is fueling population growth (or decline) in different types of places and among different age groups is impossible without place- and age-specific migration data. This includes foundational work such as Keyfitz's (1980) analysis of the impact of natural increase and migration on urbanization patterns and Plane et al.'s (2005) investigation of migration patterns up and down the urban hierarchy at different ages. It also concerns emerging work on the degree to which natural increase and migration are fueling Hispanic population growth in new destinations (Johnson and Lichter 2008). Similarly, continuing work examining the impact of baby boom migration on population redistribution as these large cohorts enter their retirement

years (Cromartie and Nelson 2009) and research investigating the consequences of migration on black-white differences in southern county poverty rates (Curtis and DeWaard 2010) cannot be maintained without high quality small area migration data by age, sex, and race/ethnicity for 2000 to 2010.

Previous county level net migration estimates by age (1950-2000) have been used extensively by demographers to examine patterns of net migration (Johnson, et. al 2005; Gibson, Fuguitt and Voss 1996; Johnson and Fuguitt 2000), elderly population change (Fuguitt, Gibson, Beale, and Tordella 1998; Bowles and Beale 1993; Lichter, Fuguitt, Heaton, and Clifford 1981), life cycle migration (Heaton, Clifford, and Fuguitt 1981; Muesser, White and Tierney 1988), the age composition of the population (Clifford, Heaton, Lichter, and Fuguitt 1983; Fuguitt and Heaton 1995, Winkler et al. 2011), and the role of migration in the growth of amenity and retirement areas (Johnson and Stewart 2005).

Applied demographers rely extensively on reliable county-level net migration estimates by detailed demographic characteristics in generating population estimates and projections and for informing health care planners and other service providers who must prepare for future needs. For instance, local health care providers must know if migration is bringing females at prime childbearing age into the community to increase pre- and post-natal physician staffing. Similarly, state-level health policy-makers must understand how the geographic distribution of the elderly population is changing to ensure services that meet their needs are available in the appropriate locations. Furthermore, these net migration estimates are critical to applied demographers and planners for producing population estimates and projections that incorporate local migration data directly in their estimates or projections. County and city governments use them for projections relative to the construction of water and sewer, municipal power, and general economic development projects. They are used by multicounty entities for planning in the areas of transportation, water development, electric power need assessments, and economic development. Many school districts use them in siting school campuses and in projecting school enrollment. Note: Practitioners using these net migration estimates to inform cohort component population projection should refer to the section beginning on page 12 for important stipulations.

Detailed Methods and Data Sources

Voss et al. (2004) offer a detailed comparison between three methodological approaches to generating residual based net migration estimates, including census survival rate, life table survival rate, and vital statistics methods. They explain that the survival rate methods have been used historically in cases where reliable birth and death data by detailed demographic characteristics have not been available for local areas (including those produced by Bowles and Tarver, 1965; Bowles, Beale and Lee, 1975; White, Mueser and Tierney, 1987; and Fuguitt, Beale, and Voss 2010), and they demonstrate that when high quality vital statistics data are available, this approach yields reliable estimates (Voss et al. 2004). The net migration estimates we produced for 2000-2010 follow the vital statistics method as employed by Voss et al. (2004), because detailed mortality and fertility records were made available through a restricted use agreement from the National Center for Health Statistics (NCHS) through the Vital Statistics Cooperative Program. These data files permit the aggregation of deaths and births for each county in the U.S. by single year of age, sex, race, and Hispanic origin. With this fine level of mortality and fertility detail available, there was no need to estimate mortality rates using census survival or life table methods.

Equation 3 further specifies Equation 2 (shown above) to specifically address Net Migration (*NM*) using the vital statistics method used to construct the 2000-2010 net migration estimates reported here. P_0 refers to the starting population observed at Census 2000 by county, age, sex, race, and Hispanic origin and adjusted for identified census errors and for estimated undercount/overcount. P_1 refers to the final population observed at Census 2010, adjusted for estimated undercount/overcount. B and D , respectively, refer to observed (2000-2008) and estimated (2009-2010) birth and death data recording individual births and deaths by single year of age, sex, race, Hispanic origin, and county of residence as collected through state level birth and death certificates and reported by the National Center for Health Statistics (NCHS). Each of these data sources and the organizational processes involved are described in more detail below.

$$NM = (P_1 - P_0) - (B - D) \quad [3]$$

Where:

P_1 = final population (adjusted) observed at Census 2010

P_0 = starting population (adjusted) observed at Census 2000

B = number of births 2000-2010, aggregated by county of residence

D = number of deaths 2000-2010, aggregated by county of residence

Assuming zero net migration, Equation 3 can be re-arranged to calculate the *expected population* in 2010, which represents what the 2010 population (P_1) would have been absent net migration (see Equation 4). County-specific expected populations in 2010 (*EP*) are derived for cohorts by aging the 2000 population forward in time, adding births and subtracting deaths. In other words, the expected population of cohorts ages 10 to 99 and ages 100 and over in 2010 is calculated as the base 2000 population minus deaths occurring to persons of that cohort advanced ten years in age. For cohorts born during the 2000s (ages 9 and under in 2010), expected population is the difference between births and deaths experienced by that cohort in the 2000s, advanced in age from the date of birth. These cohort specific expected populations represent the number of people expected to be alive and enumerated in the 2010 census absent net migration.

$$EP_1 = P_0 + B - D \quad [4]$$

Net migration can then be estimated as the difference between the observed final population (P_1) and the expected population (EP_1), by substituting Equation 4 into Equation 3. The net migration rate (per 100 individuals) is calculated by dividing the estimated number of net migrants by the expected population, as shown in Equation 6.

$$NM = P_1 - EP_1 \quad [5]$$

$$NMR = (NM/EP_1)*100 \quad [6]$$

Unless otherwise noted, cohorts are county-level and specific to age (single years of age through 84 and then a group age 85 and over), sex, race, and Hispanic origin. For our purposes, a year spans the 12 month interval from April 1 to March 31 – dates chosen because the Census Bureau nominally enumerates the population on April 1. Thus, persons born in 2000 refer to those born between April 1, 2000 and March 31, 2001. In reporting the net migration results, we aggregated single years of age through 84 into five-year age groups.

Though the process of constructing net migration rates, we organized total population into the following five race/ethnic groups: (1) Hispanic, (2) Non-Hispanic White (NH white), (3) Non-Hispanic Black (NH black), (4) Non-Hispanic American Indian or Alaskan Native (NH AIAN), and (5) Non-Hispanic Asian or Native Hawaiian/Pacific Islander (NH Asian). In reporting the net migration results, we aggregated the NH AIAN and NH Asian groups into NH Other, because the populations in these groups were small in a large number of counties, creating inconsistent and difficult to interpret net migration rates.

Census 2000: The Starting Population

Net migration estimates are sensitive to misallocations, specificity of race/ethnic classification, and to undercount and overcount in the populations on which the estimates are based. Great care was taken to adjust the 2000 and 2010 enumerated Census populations toward our best guess of the “true” populations, based on the Census Bureau’s error corrections and estimates of net undercount/overcount. These re-organized and adjusted population counts are used to calculate net migration numbers and rates. The specific adjustments we made are discussed in detail below.

In constructing net migration estimates for the 1990s, Voss et al. (2004) made specific adjustments for undercount/overcount to Census 1990 and Census 2000 data. They did not, however, have the full set of Census 2000 evaluation studies or the results of the Count Question Resolution program available at the time of publication. For this reason, our team did not use for a starting population the same dataset that Voss et al. (2004) used for a final population. Instead, we relied on the US Census Bureau’s Census Estimates Base to account for known errors, and we adjusted for undercount/overcount following the reports of ACE Revision II and Demographic Analysis, as described below.

Census 2000 included several misallocations that affected county population enumerations. These were subsequently recognized through the Census Bureau’s Count Question Resolution program (US Census Bureau 2005). The standard census data products do not reflect these corrections, but they have been incorporated into the Census Bureau’s intercensal population estimates program. For this reason, we use the resident population estimates base from census day (4/1/2000) as published through the US Census Bureau’s Population Estimates program rather than the enumerated 2000 population reported in standard census data products. More specifically our starting population is from the Annual County Resident Population Estimates by Age, Sex, Race, and Hispanic Origin (US Census Bureau 2009a). While these data correct for misallocations, they require further organization and adjustment into consistent race/ethnic groups, single year of age, and to deal with undercount/overcount.

Race and Ethnicity Classification

The intercensal estimates assign persons reporting “Some Other Race” as their race on the census questionnaire to an OMB race, including White, Black or African American, American Indian or Alaskan Native, Asian, or Native Hawaiian or Pacific Islander (see US Census Bureau 2009b for complete description of the categories and how they are assigned). We

grouped the Asian and Native Hawaiian or Pacific Islanders into a single category because of the small number of Native Hawaiian or Pacific Islander persons in most counties. The data include these racial groupings but divide them into two categories- those who identify as each race “alone” and a group for that race “alone or in combination.” In addition, the dataset includes a category of people identifying with “two or more races.” For our purposes, anyone with Hispanic ethnicity was considered Hispanic despite the racial classification so that Hispanic ethnicity trumped all race categories. Non-Hispanic populations recorded as White, Black or African American, American Indian or Alaska Native (AIAN), Asian or Native Hawaiian or Pacific Islander (Asian) “alone” were classified in these respective groups.

To be consistent with the net migration estimates produced in prior decades (especially those for the 1990s) and because of the small number of people identifying as two or more races in most counties, we allocated persons recording two or more races among the other race groups based on the following steps and assumptions. For each race group (NH White, NH Black, NH AIAN, and NH Asian), we estimated the number of people who identified as that race in combination (combo counts) with some other race by subtracting the “alone” population from the population “alone or in combination”. Next we estimated the total number of combinations by summing the combo counts across all racial groups (combo sum). We then calculated the percent of the combo sum that each race group comprised and multiplied this proportion by the population of two or more races to estimate the combination population to add to each race “alone” group. Our base population then, by non-Hispanic race, includes the alone population and an estimate of the combination population that identifies at least partially as that racial group. Essentially, this means that our race/ethnic classifications divide the combination race population by distributing portions of persons to each specific racial group with which they identify. Though the initial dataset and processes differ, the concept of dividing the combination race population follows that used by Voss et al. (2004) in generating the net migration estimates for the 1990s.

Adjusting for Undercount/Overcount

All US censuses prior to 2000 faced population undercount, particularly among specific subgroups including minorities, children, and renters (Clark and Moul 2004). The Census Bureau conducts follow-up coverage studies to estimate undercount. Following Census 2000, these included the initial Accuracy and Coverage Evaluation (ACE 2001), the Accuracy and Coverage Evaluation Revision II (ACE Revision II, 2003), and comparisons with estimates generated using administrative records through Demographic Analysis (DA, Robinson 2001). For the first time, Census 2000 returned a net overcount of the total population, according to ACE and ACE Revision II and only a 0.12% net undercount as compared to DA (Clark and Moul 2004). Yet while the overall net undercount at Census 2000 was negligible, Census 2000 coverage varied significantly by age and race with undercount among children, overcount amount college age and retirement age adults, and an estimated 2-3% undercount of Blacks (Clark and Moul 2004, Citro et al. 2004).

Because census undercount varies significantly by age, sex, race, and ethnicity, we made adjustments to the Census 2000 data by these specific cohort groups. For the population age 10 and over, we increased the census estimates base by the percent undercount reported by ACE

Revision II and summarized in the National Research Council's review of Census 2000 (see Citro et al. 2004, p. 255). It should be noted that for some age groups, the estimate of net undercount was negative (indicating a net overcount). There were no specific estimates of undercount by ethnicity, age, and sex, but findings suggest that Hispanics were counted at more similar rates as blacks than non-Hispanic whites, who comprise the dominant group in the nonblack category (Citro et al. 2004). For this reason, we assumed that Hispanic undercount/overcount followed black estimates, rather than nonblack, and we assume that all race/ethnic groups other than black and Hispanic follow nonblack rates. Estimates of undercount/overcount by age, sex, race/ethnicity were not available for any geographic specificity other than the nation as a whole. We applied these national estimates (by age, sex and race/ethnicity) to each of the county cohort populations.

For the population under age 10, Demographic Analysis (DA,) provides a more reliable estimate of census undercount (Voss et al. 2004, Robinson 2001, O'Hare et al. 2012), as DA are constructed based on administrative records, including birth and death certificates. We rely on the Revised Demographic Analysis estimates released in September 2001 by race, sex, and age (see Robinson 2001) to adjust the population under age 10. These are reported by the National Research Council review of Census 2000 in the Demographic Analysis Appendix, Table 2 (Citro et al. 2004). Again, we assume that the Hispanic population undercount follows the black population undercount (rather than nonblack) because like the ACE Revision II, DA only includes estimates by black/nonblack, and that NH white, NH AIAN, and NH Asian groups follow nonblack rates. Specific adjustments are summarized in Appendix 2.

The final step was to disaggregate the data into single years of age, until age 85 after which the population is grouped into an 85 plus age group. Using the age distribution reported from the standard enumerations in US Census 2000 (SF1) on population counts by single year of age, sex, race, and ethnicity; we calculated the proportion of each five-year age group that were at each single year of age. We then multiplied this proportion by our adjusted five-year age group estimates base data (essentially the Census 2000 data corrected for misallocations and adjusted for undercount/overcount). For all age groups except 0-4, we assume that the adjustment for overcount/undercount is evenly distributed across single years of age. But research suggests that undercount is greatest among very young children (O'Hare et al. 2012, Siegel 1974, Anderson and Silver 1985). Following the process used by Voss et al. (2004) to adjust the 2000 population, we distributed the estimated undercount among the five year age group 0-4 as follows. Those under age 1 were allocated 27.1% of the undercount, 24.3% went to those age 1-2, 23.6% to those age 2-3, 15.5% to those age 3-4, and 9.5% to those age 4-5.

The result of this process was a dataset including population counts by single year of age, sex, race, and Hispanic origin corrected for misallocations and adjusted for undercount/overcount for all US counties. This is the starting population we used to calculate net migration.

Census 2010: The Final Population

Like with the starting population, we relied on the US Census population estimates base for 4/1/2010 as our base final population. Specifically, the file is CC-EST2011-ALL DATA-

[ST-FIPS]: Annual County Resident Population Estimates by Age, Sex, Race, and Hispanic Origin: April 1, 2010 to July 1, 2011, released in May 2012 (US Census Bureau Population Division 2012). At the time of its release the Census 2010 Count Question Resolution program had not identified any misallocations that would affect county level population, and so this file does not correct for any potential enumeration misallocations. The file does, however, group the enumerated population at Census 2010 into the same race, ethnic, age, and sex categories described above for the starting population. Identical processes to those described above for Census 2000 were used to organize the 2010 population into race/ethnic categories for analysis. Maintaining consistency in the starting and final populations is vital for generating reliable net migration estimates.

Adjusting for Undercount/Overcount

Comparing the enumeration results from Census 2010 with Demographic Analysis (US Census Bureau 2012) and the US Census Bureau's Census Coverage Measurement survey (CCM), indicates no statistically significant net undercount or overcount. There are, however, indications that certain age, sex, race, and ethnic groups were under- or over- counted. CCM, for instance, shows a 2% net undercount for blacks, 1.5% net undercount for Hispanics, 4.9% net undercount of AIANs, and a 0.8% net overcount among non-Hispanic whites (Mule 2012). Demographic Analysis (DA) also shows about a 2% net undercount for blacks, but when disaggregated by sex suggests that black males were undercounted by about 3.5% while black females were overcounted by about 1.5%. Among nonblacks, DA results again mimic CCM noting a 0.8% net overcount, but with divergent patterns between males and females with nonblack females being overcounted by about 1% and males undercounted by about 0.4%.

By age, CCM indicates statistically significant undercount among young children of both sexes (age <5), males age 18-29, and males age 30-49. Net overcount is indicated among children age 10-17, females age 30-39, males over age 50, and females over age 50 (Mule 2012). CCM did not find any state with statistically different than zero net undercount/overcount, but at the state level breakdowns by age, race, and sex are not available. In sum, results from CCM and DA suggest that net undercount among some age, sex, race, ethnic categories cancelled out net overcount among other groups to produce a total net undercount/overcount of zero. At the same time, however, age/sex/race/ethnic –specific undercounts/overcounts were even greater among some groups than at Census 2000, indicating adjustments for the purposes of this project are necessary.

DA provides specific estimates of the population by single year of age, sex, by black/nonblack race and for Hispanic ethnicity among children. As described above, DA and CCM results are similar. The reliability of DA data have been significantly improved over the last several years with computing advancements, electronic records, and evaluative analysis; and they are particularly sound for estimating the child population (Robinson 2001, O'Hare et al. 2012). For these reasons, we primarily rely on estimates of undercount/overcount generated by calculating the rate of difference between DA and the census enumerated population to adjust the Census 2010 final population, when CCM suggests there are statistically significant undercounts/overcounts. DA estimates are not specifically available for NH whites, AIANs or for Asians, and are only available for Hispanics at ages 0-19. Because CCM indicates more undercount of AIANs than of blacks, we apply the undercount rate for black males to AIAN

males, and ½ the undercount rate for black males to AIAN females. Because CCM does not show any significant net undercount/overcount of Asians, we do not adjust this population. CCM indicates about half a percentage point less undercount for Hispanics than blacks. For the Hispanic population under age 20 (where DA estimates are available), we rely on DA estimates to adjust the population. For Hispanics age 20 and over, we assume the undercount rate of Hispanic males to be 25% less than that of black males and the undercount rate of Hispanic females to be 200% less than black males. Finally, we assume that non-Hispanic white undercount/overcount rates are slightly higher than for the nonblack group as a whole, which would include Hispanics and AIANs. Altogether, adjusting the populations in these ways cumulatively produces net undercount/overcount rates similar to the CCM estimates.

Appendix 2 shows the specific adjustments made. These adjustments were multiplied by the census estimates base population (4/1/2010) to generate the final population at Census 2010 by five-year age groups used in the construction of net migration estimates.

County Boundaries

Since the boundaries of some counties changed between 2000 and 2010, we aggregated certain counties to county groups to ensure continuity in boundaries across censuses. In Virginia, this involved integrating Clifton Forge independent city into Alleghany County. In Colorado, the creation of Broomfield County in 2001 from parts of Adams, Boulder, Jefferson, and Weld Counties challenged our team to separate Broomfield County data at Census 2000 and in the birth and death data from NCHS from the prior constituting counties so that net migration estimates for Broomfield County could be generated, even though this county did not exist at Census 2000. A detailed description of how we handled Broomfield County is found in Appendix 3. Finally, three county aggregation groups were constructed in Alaska to deal with county boundary changes. We aggregated (1) Denali Borough, Yukon-Koyukuk Census Area, and Southeast Fairbanks Census Area; (2) census geographies around Ketchikan, Petersburg, Wrangell City, Hyder, and Prince of Wales; and (3) Skagway Municipality with Hoonah-Angoon Census Area. The specific county groupings and associated FIPS codes changes are detailed in Appendix 4.

Births

As mentioned above, annual birth microdata files for the years 1999 through 2008 were made available to us under a restricted use agreement with the NCHS. These included individual level birth records with data on county and month of birth, sex, race of mother and father, and Hispanic origin of mother and father for each year 2000-2008. The county codes used in Natality Detail Files 2000-2003 are based on the 1990 Census definition, while county codes for 2004-2008 are based on the 2000 Census definition. We deal with this issue by aggregating to county groups where necessary, as described above and in Appendix 3 regarding Broomfield, Adams, Boulder, Jefferson, and Weld counties in Colorado. We followed the process described below to assign race/ethnic status (Hispanic, NH white, NH black, NH AIAN, or NH Asian) to these births. Finally, we aggregated the births by sex and race/ethnicity to counties and grouped them into single year age cohorts based on their date of birth.

We imputed race/ethnicity of births primarily based on the reported race/ethnicity of the mother. As with Census 2000 and Census 2010 data, we classified anyone reporting Hispanic ethnicity as Hispanic, regardless of race. There were, however, an average of 0.6% of all records

where data on mother's race or ethnicity was missing. In these cases, we imputed based on the father's reported race/ethnicity. In cases where neither the mother or father's ethnicity is known and the reported race is Black, AIAN, or Asian, we assume that the birth is non-Hispanic and falls within the respective race group. If the Hispanic origin is unknown and the race is White, we assume that a proportion of those births are Hispanic. This proportion is determined for each county individually, based on the proportion of women living in the county in their childbearing years (age 15-44) who are Hispanic, as identified in the US Census Population Estimates for July 1, 2005. More specifically, we follow the formulae below for each county.

$$B_h = B_H + (HF^{(15-44)}/F^{(15-44)}) * B_u$$

$$B_w = B_W + (1-(HF^{(15-44)}/F^{(15-44)})) * B_u$$

Where

B_h = Final estimate of Hispanic births

B_w = Final estimate of Non-Hispanic White births

B_H = Reported Hispanic births

$HF^{(15-44)}$ = Hispanic females, age 15-44

$F^{(15-44)}$ = Total females, age 15-44

B_u = Births of unknown ethnicity and white race

Hispanic fertility rates are higher than non-Hispanic whites and so the proportion of Hispanic births may be higher than the proportion of Hispanic women. At the same time, however, a disproportionate share of the missing ethnicity births may be non-Hispanic, because Hispanics may be more likely to have and record a salient ethnicity. While the higher Hispanic birth rate would suggest our methods above would underestimate Hispanic births, a disproportionate share of non-Hispanic missing ethnicity births would overestimate Hispanic births. We expect that error associated with each of these two dimensions would essentially cancel one another out and so we do not specify either in the formulae above.

Because detailed natality files for 2009 and 2010 were not yet available at the time these net migration estimates were produced, we estimated the number of county level births by race/ethnicity for 2009 and for the first quarter of 2010. National level records of births by race and Hispanic origin were available for 2009 and 2010 and show that the total number of births in the US declined by 2.75% between 2008 and 2009 and by an additional 3.2% between 2009 and 2010 (Martin et al. 2012). National birth data by race/ethnicity show that all groups experienced decline in the number of births, but that Hispanic births declined about twice as much as non-Hispanics (Sutton et al. 2011). The process to estimate county-level births by race/ethnicity (described below) was based upon conforming to these national patterns, and we raked county estimates to approximately sum to these total national birth reports.

Because our cohorts were organized based on the census year (April 1 to March 31), we needed to estimate the number of births that occurred in the first quarter of 2009 to complete our total estimate of births for the 2008 census year. In 2008, the ratio of births that occurred January to March to those that occurred April to December was 0.3265. Because we know that births declined between 2008 and 2009, we assume this ratio would be slightly lower (0.3194) if we

compared January to March 2009 with April to December 2008. We then use this ratio to add an estimate of the number of births in the first quarter of 2009 to our cohort year 2008 birth totals. We do this by multiplying observed births in April to December 2008 in each county by 1.3194. The assumption behind this approach is that monthly patterns of births observed in 2008 continued in 2009, but that the number of births declined somewhat between 2008 and 2009, as observed in the national data.

Next, we estimated the number of births that occurred April 1, 2009 to March 31, 2010 (our cohort year 2009) in each county by race/ethnicity and sex. Here, we generally assumed that births in each county decreased more between 2008 and 2009 than they did between 2007 and 2008, following national patterns. We calculated the percent change in the number of births between 2007 and 2008 for each county by race/ethnicity and sex, and we applied this rate of increase to the 2008 birth estimates to generate a preliminary estimate of births for 2009. For counties (and race/ethnic groups) where this rate of change was greater than 1.0 (100%-- instances of small minority populations) we held the rate to 100%. We then adjusted these preliminary estimates downward, because national level data indicated a faster rate of decline between 2008 and 2009 than between 2007 and 2008 (Sutton et al. 2011). Specific adjustments were made by race/ethnicity following observed national level differences. Asians were not further adjusted. Blacks were adjusted downward by 1.5%. Hispanics were adjusted downward by 4.4%. AIAN were adjusted downward by 0.2%. Whites were adjusted downward by 1.62%. We found the sum of these county level estimates to closely reflect reported national births by race/ethnicity.

To identify any unrealistic estimates, we conducted several tests. We compared our estimates against observed births in prior decades and with US Census Population Estimates program birth estimates, and we reviewed crude birth rates by race/ethnicity. Our team checked estimates of concern against state published data (where available) and made substitutions where necessary. This process revealed 50 counties where Hispanic births were adjusted, 22 counties where Asian births were adjusted, 43 counties where Black births were adjusted, 34 counties where AIAN births were adjusted, and 160 counties where White births were adjusted. Adjusted counties are listed in Appendix 5.

Deaths

The steps to create death count estimates are similar to that of births. Death records were obtained from NCHS's Multiple Cause of Death Files 2000-2008 through a restricted data use agreement. These records contain data on race, Hispanic origin, sex, month of death as well as age and county of residency at death. As with the birth records, a few death records had unknown Hispanic origin. We dealt with these records with the following steps. Persons reported as Black, AIAN, or Asian are assumed to be non-Hispanic and were assigned to respective race category. For White persons of unknown Hispanic origin, we assumed that deaths of unknown Hispanic origin were non-Hispanic or Hispanic in the same proportion as deaths of known Hispanic origin.

Age at death was also important for constructing net migration estimates, and some of the death records were missing data on age. Deaths at unknown ages were imputed according to the share at which deaths at known ages occur by age, sex, race/ethnicity, and county. There were very few records with missing data on age at death.

We then estimated deaths for the first quarter of 2009 (to complete our cohort year deaths 2008) and for our cohort year 2009 (April 1, 2009 to March 31, 2010). In 2008, the ratio of deaths that occurred January to March to those that occurred April to December was 0.3698. We used this ratio to add an estimate of the number of deaths in the first quarter of 2009 to our cohort year 2008 deaths by multiplying observed deaths in April to December 2008 by 1.3698. The assumption behind this approach is that monthly patterns of deaths (by age, sex, race/ethnicity and county) observed in 2008 continued in 2009. Finally, we estimated deaths in 2009 by simply assuming that they were equal to the number of deaths observed in 2008 by age, sex, race/ethnicity and county.

Quality Control

In order to test the quality of the net migration estimates, our team shared preliminary estimates with knowledgeable state demographers, researchers, and with county extension educators. We asked these experts to critically review the estimates (in comparison to estimates for prior decades) for counties and states for which they are familiar, and to report on any suspect patterns. We did not receive any indication of problems. In addition, we compared our aggregate net migration estimates (age, sex, race, and ethnicity summed together) to annual estimates of migration published by the IRS (inflows minus outflows= net migration) summed together to generate a comparable decade interval. We found that our estimates differed, on average, from the IRS-based estimates by about 3.7% (mean absolute percent error, or MAPE). Where our estimates differed more significantly, were counties with universities where IRS estimates are known to miss college students who are claimed by their parents on tax forms. In sum, these controls offer confidence to the accuracy of the data described here.

Website

These data are publically available for download and for interactive analysis on the web at www.netmigration.wisc.edu. This site integrates the 2000-2010 estimates with age-specific net migration estimates for prior decades, 1950-2000. It allows for custom map and chart building making for easy on-the-fly data analysis. In addition, users may create custom data downloads of net migration data 1950-2010 and associated census data 1990, 2000, and 2010, and they may download these data for different types of counties (metro vs. nonmetro or following USDA Economic Research Service county typologies).

Using the 2000-2010 Net Migration Estimates for Cohort Component Projections

For those who would use these estimates in the process of creating cohort component projections, it is important to note how these estimates gleaned from a vital statistics (VS) approach are substantively different than net migration estimates that employ survival rates, such as those produced in the 1950s through the 1980s. Our methods are equivalent to those used by Voss et al. (2004) in the 1990s and a more full description of these differences can be found at the documentation for those data (see Voss et al. 2004).

In a typical projection model using net migration rates, an expected population is first derived for the end point in a projection cycle, then net migration is calculated for the interval by applying the net migration rate (*NMR* by age, sex, and race) to the expected population. The

estimated amount of net migration is then added to the expected population (by age, sex and race) and this population then constitutes the beginning population for the next cycle of the projection model. This procedure, unfortunately, does not hold precisely when the VS methodology has been used to estimate net migration, for the numerator includes deaths to in-Migrants, and the denominator, or expected population, has already been decremented by the number of deaths to in-Migrants. In a projection model, it would be useful to estimate the number of deaths to in-Migrants in base cycle and adjust the net migration rate. For details on how to complete this process see Voss et al. (2004).

References

- Anderson, Barbara A., and Brian D. Silver. 1985. Estimating census undercount from school enrollment data: An application to the Soviet censuses of 1959 and 1970. *Demography* 22(2):289–308.
- Bowles, Gladys K., Calvin L. Beale, and Everett S. Lee. 1975. *Net Migration of the Population, 1960-1970, by Age, Sex, and Color*. Athens, GA: University of Georgia Printing Department.
- Bowles, Gladys K., and James D. Tarver. 1965. *Net Migration of the Population, 1950-1960 by Age, Sex and Color*. Washington, DC: United States Department of Agriculture.
- Bowles, G. K., C. L. Beale. 1993. The changing concentration of the older nonmetropolitan population, 1960-1990. *Journal of Gerontology: Social Sciences* 48:S278-S288.
- Citro, C.F., D. L. Cork, and J. L. Norwood (Eds.). 2004. *The 2000 Census: Counting under Adversity*. Panel to Review the 2000 Census, National Research Council. The National Academies Press.
- Clark, J.R. and D. A. Moul. 2004. *Census 2000 Testing, Experimentation, and Evaluation Program Topic Report No. 10, TR-10, Coverage Improvement in Census 2000 Enumeration*, U.S. Bureau of the Census.
- Clifford, W. B., T. B. Heaton, D. T. Lichter, and G. V. Fuguitt. 1983. “Components of Change in the Age Composition of Nonmetropolitan Americans.” *Rural Sociology* 48: 458-470.
- Cromatie, J. and P. Nelson. 2009. Baby boom migration and its impact on rural America. Economic Research Report Number 79: U.S. Department of Agriculture Economic Research Service.
- Curtis, K. J. and J. DeWaard. 2010. “Compositional Threat? An Analysis of Return Migration and Southern Poverty.” Paper presented at the annual meeting of the Population Association of America, Dallas, TX, April 15th-17th, 2010.
- Fuguitt, Glenn V., and Calvin L. Beale. 1993. “The Changing Concentration of the Older Nonmetropolitan Population 1960-1990.” *Journal of Gerontology: Social Sciences* 48: S278-S288.
- Fuguitt, G. V., C. L. Beale, and P. R. Voss. 2010. County-Specific Net Migration Estimates, 1980-1990. ICPSR26761-v1. Ann Arbor, MI: Inter-university Consortium for Political and Social Research, 2010-04-02. doi:10.3886/ICPSR26761
- Fuguitt, G. V., R. M. Gibson, C. L. Beale and S. J. Tordella. 1998. “Elderly population change in nonmetropolitan areas: from the turnaround to the rebound.” Paper presented at the annual meeting of the Western Regional Science Association, Monterey, California, February 22.
- Fuguitt, G. V. and T. B. Heaton. 1995. The impact of migration on the nonmetropolitan population age structure. *Population Research and Policy Review* 14:215-232.
- Gibson, Richard M., Glenn V. Fuguitt and Paul R. Voss. 1996. *Net Migration by Age for Wisconsin Counties, 1950-1990*. Madison, WI: University of Wisconsin-Madison Department of Rural Sociology Applied Population Laboratory. Population Series 90-5.

- Hamilton, C. Horace. 1966. "Effect of Census Errors on the Measurement of Net Migration." *Demography* 3:393-415.
- Heaton, T. B., W. B. Clifford and G. V. Fuguitt. 1981. "Temporal shifts in the determinants of young and elderly net migration in nonmetropolitan areas." *Social Forces* 60:41-60.
- Johnson, K.M. and S.I. Stewart. 2005. "Amenity Migration to Urban Proximate Counties." pp. 177-196 in G. P. Green, D. Marcouiller and S. Deller (eds.), *Amenities and Rural Development: Theory, Methods and Public Policy*. Cheltenham, UK: Edward Elgar Publishing.
- Johnson, K. M., P. R. Voss, R. B. Hammer, G. V. Fuguitt, and S. McNiven. 2005. "Temporal and Spatial Variation in Age-Specific Net Migration in the United States." *Demography* 42:791-812.
- Johnson, K. M, and D. T Lichter. 2008. "Natural increase: a new source of population growth in emerging Hispanic destinations in the United States." *Population and Development Review* 34:327-346.
- Johnson, K. M, and G. V Fuguitt. 2000. "Continuity and Change in Rural Migration Patterns, 1950-1995*." *Rural Sociology* 65:27-49.
- Keyfitz, N. 1980. "Do cities grow by natural increase or by migration?" *Geographical Analysis* 12 (2): 142-156.
- Lichter, D. T., G. V. Fugitt, T. B. Heaton and W. B. Clifford. 1981. "Components of Change in the Residential Concentration of the Elderly Population: 1950-1975." *Journal of Gerontology* 36:480-489.
- Martin, J.A., B.E. Hamilton, S.J. Ventura, M.J.K. Osterman, E.C. Wilson, and T.J. Mathews. 2012. Births: Final data for 2010. *National Vital Statistics Reports* 61(1).
- Mueser, P. R., M. J. White and J. P. Tierney, 1988. Patterns of net migration by age for U.S. counties 1950-1980: The impact of increasing spatial differentiation by life cycle. *Canadian Journal of Regional Science* 11:57-76.
- Mule, T. 2012. *DSSD 2010 CENSUS COVERAGE MEASUREMENT MEMORANDUM SERIES #2010-G-01*. Washington, DC: US Census Bureau.
- National Center for Health Statistics. [Name of data file(s)] ([year(s)]), as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program.
- O'Hare, W.P. 2012. *The Net Undercount of Children in the 2010 U.S. Decennial Census*. Paper presented at the Applied Demography Conference in San Antonio, Texas, January 8-10, 2012.
- Plane, D. A., C. J. Henrie, and M. J. Perry. 2005. "Migration up and down the urban hierarchy and across the life course." *Proceedings of the National Academy of Sciences of the United States of America* 102:15313-15318.
- Robinson, J.G. 2001. *ESCAP II: Demographic Analysis Results. Executive Steering Committee for A.C.E. Policy II, Report No. 1, October 13, 2001*. Washington, DC: U.S.Census Bureau.

- Siegel, Jacob S. 1974. "Estimates of Coverage of the Population by Sex, Race, and Age in the 1970 Census." *Demography* 11(1):1–23. Retrieved February 27, 2013.
- Siegel, Jacob S. and C. Horace Hamilton. 1952. "Some Considerations in the Use of the Residual Method of Estimating Net Migration." *Journal of the American Statistical Association* 47:475-500.
- Sutton, P.D., B.E. Hamilton, and T.J. Matthews. 2011. Recent decline in births in the United States, 2007-2009. *NCHS Data Brief*, No. 60.
- U.S. Census Bureau. 2001. *2000 Census of Population and Housing: Summary File 1 United States*. Washington, DC: U.S. Census Bureau.
- U.S. Census Bureau. 2005. *Count Question Resolution Factsheet: Notes and Errata for Census 2000*. Washington, DC: U.S. Census Bureau.
- U.S. Census Bureau. 2009a. *Annual County Resident Population Estimates by Age, Sex, Race, and Hispanic Origin (vintage 2009)*. Washington, DC: U.S. Census Bureau.
- U.S. Census Bureau. 2009b. *Methodology for the State and County Resident Population Estimates by Age, Sex, Race, and Hispanic Origin (vintage 2009): April 1, 2000 to July 1, 2009*. Washington, DC: U.S. Census Bureau.
- U.S. Census Bureau Population Division. 2012. *Annual County Resident Population Estimates by Age, Sex, Race, and Hispanic Origin: April 1, 2010 to July 1, 2011*. Washington, DC: U.S. Census Bureau.
- U.S. Census Bureau. 2012. *Revised 2010 Demographic Analysis Estimates, Released May 2012*. Washington, DC: U.S. Census Bureau. Web. [Accessed August 1, 2012].
<<http://www.census.gov/popest/research/demo-analysis.html>>
- U.S. Department of Health and Human Services, National Center for Health Statistics. 2000-2008a. *Natality Detail Data, 2000-2008*. Hyattsville, MD: U.S. Department of Health and Human Services, National Center for Health Statistics.
- U.S. Department of Health and Human Services, National Center for Health Statistics. 2000-2008b. *Multiple Cause of Death of ICD- 9 Data, 2000-2008*. Hyattsville, MD: U.S. Department of Health and Human Services, National Center for Health Statistics.
- Voss, P. R., S. McNiven, R. B. Hammer, K. M. Johnson, G. V. Fuguitt. 2004. County-specific net migration by five-year age groups, Hispanic origin, race and sex 1990-2000. CDE Working Paper No. 2004-24. Center for Demography and Ecology, University of Wisconsin—Madison. Madison, WI.
- White, M. J., P. Mueser, and J. P. Tierney. 1987. *Net Migration of the Population of the United States 1970-1980, by Age, Race and Sex: United States, Regions, Divisions, States and Counties [machine-readable data file]*. File available from ICPSR, University of Michigan. Ann Arbor, MI: Interuniversity Consortium for Political and Social Research.
- Winkler, R., C. Cheng, and S. Golding. 2011. "Boom or bust? How migration impacts population composition in different types of natural resource dependent communities in the rural US." In L. Kulcsar and K. Curtis (eds.), *International Handbook of Rural Demography*. The Springer Series on Demographic Methods and Population Analysis. New York: Springer.

Appendix 1. Variable Naming Conventions

The first letter indicates what type of data the variable holds:

- “b” – births
- “p” – starting population (adjusted), observed at Census 2000
- “e” – 2010 population absent migration, or in other words the expected population in 2010
- “f” – final population (adjusted), observed at Census 2010
- “m” – net Migrants (NM= expected population 2010 – final population 2010)
- “r” – net migration rate (NMR= net Migrants/expected population in 2010). If expected population is zero, then NMR is missing.

The second character is a number, representing the decade for which the data refer. In this file, all the variables refer to the time period 2000-2010 and are represented by “0”. The purpose of including this character is to ease comparison to data files with net migration estimates in prior decades.

The following set of letters refers to the population sub-group by race, ethnicity, and sex. The third character indicates race.

- “b” – non-Hispanic Blacks
- “w” – non-Hispanic Whites
- “o” – non-Hispanics of some other race (Asian, American Indian, Native Hawaiian, etc.)
- “t” – total of all races combined

The fourth character refers to Hispanic origin.

- “h” – Hispanic
- “n” – not Hispanic
- “t” – total of Hispanic and not

The fifth character indicates sex:

- “m” – male
- “f” – female
- “t” – total of both sexes

The sixth and seventh characters indicate the cohort’s five year age group:

- “0” – ages 0-4
- “5” – ages 5-9
- “10” – ages 10-14
- ...
- “80” – ages 80-84
- “85” – ages 85 and over

For the final population in 2010, expected population in 2010, net migration estimates and net migration rates, the two age slot describes that cohort’s age in the year 2010. For births, the

characters describe the age group these people would age into in 2010. For instance, those born 2000-2004 are labeled as b0xxx5 because in 2010 they would be age 5-9, whereas those born 2005-2009 are labeled as b0xxx0. For the 2000 population the age slot describes that cohort's age in the year 2000.

Appendix 2. Adjustments to Census 2000 and Census 2010

Census 2000 Adjustments based on ACE Revision II and Demographic Analysis (under age 10). Positive values indicate a net *undercount* was estimated and our team *increased* census enumerated populations. Negative values indicate a net *overcount* was estimated and our team *decreased* census enumerated populations. All values are in percent. Black values were applied to Black and Hispanic populations. Nonblack values were applied to non-Hispanic White, AIAN, and Asian populations.

Percent Adjustment to Census 2000				
Age	Black Male	Black Female	Nonblack male	Nonblack female
0 to 4	5.3	5.4	3.3	3.8
5 to 9	1.4	1.9	1.1	1.5
10 to 17	-0.59	-0.55	-1.46	-1.44
18 to 29	0.04	0	0.17	-1.54
30 to 49	0.11	-0.40	-0.48	-0.63
50 +	-2.54	-2.51	-2.15	-2.42

Census 2010 Adjustments based on Demographic Analysis (DA) and Census Coverage Measurement survey (CCM). Positive values indicate a net *undercount* was estimated and our team *increased* census enumerated populations. Negative values indicate a net *overcount* was estimated and our team *decreased* census enumerated populations. All values are in percent.

Percent Adjustment to Census 2010												
Age	NH White		Black		Hispanic		AIAN		Asian		NHPI	
	M	F	M	F	M	F	M	F	M	F	M	F
0-4	2.6	2.6	4.4	4.1	7.5	7.5	6.6	6.2	0.0	0.0	0.0	0.0
5-9	0.8	0.7	0.9	0.7	2.2	2.2	1.4	1.1	0.0	0.0	0.0	0.0
10-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-19	-2.0	-1.5	-1.1	-1.0	0.0	0.0	-2.0	-1.5	0.0	0.0	0.0	0.0
20-24	0.0	0.0	4.1	0.0	2.7	0.0	4.1	2.0	0.0	0.0	0.0	0.0
25-29	0.0	0.0	9.0	0.0	6.0	2.2	9.0	4.5	0.0	0.0	0.0	0.0
30-34	1.5	-1.2	6.6	-1.1	4.4	1.6	6.6	3.3	0.0	0.0	0.0	0.0
35-39	1.1	-1.6	6.8	-1.3	4.5	1.7	6.8	3.4	0.0	0.0	0.0	0.0
40-44	0.0	-1.5	5.9	-1.1	4.0	1.5	5.9	3.0	0.0	0.0	0.0	0.0
45-49	0.0	-1.5	6.5	-0.6	4.3	1.6	6.5	3.3	0.0	0.0	0.0	0.0
50-54	0.0	-2.2	4.8	-0.9	3.2	1.2	4.8	2.4	0.0	0.0	0.0	0.0
55-59	0.0	-2.5	2.8	-1.0	1.9	0.7	2.8	1.4	0.0	0.0	0.0	0.0
60-64	0.0	-3.3	0.0	-1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65-69	0.0	-2.7	1.8	-1.3	0.0	0.0	1.8	0.9	0.0	0.0	0.0	0.0
70-74	0.0	-1.3	2.8	-0.9	0.0	0.0	2.8	1.4	0.0	0.0	0.0	0.0
75-79	0.0	-1.5	-1.6	-1.1	0.0	0.0	-1.6	-0.8	0.0	0.0	0.0	0.0
80-84	0.0	-1.6	-1.6	-1.1	0.0	0.0	-1.6	-0.8	0.0	0.0	0.0	0.0
85 +	0.0	0.0	2.3	3.1	0.0	0.0	2.3	1.2	0.0	0.0	0.0	0.0

Appendix 3. Broomfield County, Colorado

Broomfield County, Colorado was created from parts of Adams, Boulder, Jefferson, and Weld Counties in 2001. The US Census Population Estimates base for 4/1/2000 includes Broomfield County and adjusts the population of Adams, Boulder, Jefferson, and Weld counties accordingly, even though Broomfield was not created until 2001. So, we have a consistent starting (Census 2000) and final (Census 2010) population for these counties, using the Population Estimates base. Birth and death data, however, from the National Center for Health Statistics do not delineate the current county geographies until 2003. This means that we must estimate the number of births and deaths in each of these respective counties for 2000, 2001, and 2002.

To create death estimates, we began by calculating the percent of the population of each of the original counties that was moved into Broomfield County by age, sex, race, and Hispanic origin. We did this using the Intercensal Population Estimates file and calculating the percent difference between the census enumerated population (which does not reflect Broomfield County's creation) and the population estimates base (which is adjusted to distribute the population of Adams, Boulder, Jefferson, and Weld Counties to the newly created Broomfield appropriately). We then multiplied these proportions times the observed deaths in the original counties in 2000, 2001, and 2002 to estimate the number of deaths that needed to be subtracted from each of these counties and given to Broomfield County.

Birth estimates were created in a similar fashion except that instead of relying on the proportion of the population that needed to be moved for each age group, we focused only on the female population in prime childbearing ages (age 15-44). We multiplied the proportion of the female childbearing population who were moved out of each of the original counties times the observed births in those counties in 2000, 2001, and 2002 to determine the number of births to be removed from each of the original counties and added to Broomfield County.

Please note that because of these added complexities and assumptions, net migration estimates for Broomfield, Adams, Boulder, Jefferson, and Weld counties (2000-2010) should be treated with some caution.

Appendix 4. County Boundary Changes and FIPS codes

Between 2000 and 2010, some counties and census areas in Alaska and Virginia changed boundaries and/or naming conventions. In order to create consistent boundaries and geographic reference for the Net Migration Estimates 2000-2010, we created the following county groupings and use the associated NME Fips codes and NME Name in the Net Migration Estimates data files.

State	2000 County Name	2000 Fips	2010 Fips	NME Fips	NME Name
Alaska	Denali Borough		068	991	Denali Yukon-Koyukuk Southeast Fairbanks
Alaska	Yukon-Koyukuk Census Area	290	290	991	Denali Yukon-Koyukuk Southeast Fairbanks
Alaska	Southeast Fairbanks Census Area	240	240	991	Denali Yukon-Koyukuk Southeast Fairbanks
Alaska	Prince of Wales-Outer Ketchikan Census Area	201	-	992	Wrangell Petersburg Prince of Wales Ketchikan
Alaska	Wrangell-Petersburg Census Area	280	-	992	Wrangell Petersburg Prince of Wales Ketchikan
Alaska	Ketchikan Census Area	130	130	992	Wrangell Petersburg Prince of Wales Ketchikan
Alaska	Wrangell City and Borough		275	992	Wrangell Petersburg Prince of Wales Ketchikan
Alaska	Petersburg Census Area		195	992	Wrangell Petersburg Prince of Wales Ketchikan
Alaska	Prince of Wales-Hyder Census Area		198	992	Wrangell Petersburg Prince of Wales Ketchikan
Alaska	Skagway Municipality		230	993	Skagway Hoonah-Angoon Yakutat-Angoon
Alaska	Hoonah-Angoon Census Area		105	993	Skagway Hoonah-Angoon Yakutat-Angoon
Alaska	Yakutat-Angoon Census Area	-	-	993	Skagway Hoonah-Angoon Yakutat-Angoon
Virginia	Clifton Forge Independent City	560	-	005	Alleghany County
Virginia	Alleghany	005	005	005	Alleghany County

Appendix 5. Adjustments to Birth Estimates, 2009

The following tables list the counties where adjustments to birth estimates 2009 were necessary by race/ethnicity.

Non-Hispanic White

StCo Fips	State	County Name
1001	Alabama	Autauga County
1007	Alabama	Bibb County
1029	Alabama	Cleburne County
1053	Alabama	Escambia County
1091	Alabama	Marengo County
1113	Alabama	Russell County
2070	Alaska	Dillingham Census Area
2100	Alaska	Haines Borough
4009	Arizona	Graham County
5023	Arkansas	Cleburne County
5067	Arkansas	Jackson County
5095	Arkansas	Monroe County
5107	Arkansas	Phillips County
6105	California	Trinity County
8015	Colorado	Chaffee County
8063	Colorado	Kit Carson County
8091	Colorado	Ouray County
12015	Florida	Charlotte County
12129	Florida	Wakulla County
12131	Florida	Walton County
13003	Georgia	Atkinson County
13025	Georgia	Brantley County
13053	Georgia	Chattahoochee County
13079	Georgia	Crawford County
13105	Georgia	Elbert County
13167	Georgia	Johnson County
13179	Georgia	Liberty County
13209	Georgia	Montgomery County
13249	Georgia	Schley County
13261	Georgia	Sumter County
13291	Georgia	Union County
13297	Georgia	Walton County
13309	Georgia	Wheeler County
13315	Georgia	Wilcox County
16013	Idaho	Blaine County
16021	Idaho	Boundary County
16071	Idaho	Oneida County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

16073	Idaho	Owyhee County
17065	Illinois	Hamilton County
18047	Indiana	Franklin County
18111	Indiana	Newton County
18129	Indiana	Posey County
19009	Iowa	Audubon County
19053	Iowa	Decatur County
19073	Iowa	Greene County
19083	Iowa	Hardin County
19111	Iowa	Lee County
19151	Iowa	Pocahontas County
20007	Kansas	Barber County
20039	Kansas	Decatur County
20081	Kansas	Haskell County
20113	Kansas	McPherson County
20121	Kansas	Miami County
20143	Kansas	Ottawa County
21001	Kentucky	Adair County
21005	Kentucky	Anderson County
21017	Kentucky	Bourbon County
21035	Kentucky	Calloway County
21041	Kentucky	Carroll County
21047	Kentucky	Christian County
21115	Kentucky	Johnson County
21149	Kentucky	McLean County
21161	Kentucky	Mason County
21165	Kentucky	Menifee County
21167	Kentucky	Mercer County
21239	Kentucky	Woodford County
22115	Louisiana	Vernon Parish
23003	Maine	Aroostook County
23023	Maine	Sagadahoc County
24019	Maryland	Dorchester County
26097	Michigan	Mackinac County
26131	Michigan	Ontonagon County
26141	Michigan	Presque Isle County
27031	Minnesota	Cook County
27077	Minnesota	Lake of the Woods County
27161	Minnesota	Waseca County
28131	Mississippi	Stone County
29003	Missouri	Andrew County
29023	Missouri	Butler County
29067	Missouri	Douglas County
29125	Missouri	Maries County
29163	Missouri	Pike County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

29185	Missouri	St. Clair County
30023	Montana	Deer Lodge County
30033	Montana	Garfield County
30045	Montana	Judith Basin County
30055	Montana	McCone County
30057	Montana	Madison County
30061	Montana	Mineral County
31017	Nebraska	Brown County
31045	Nebraska	Dawes County
31121	Nebraska	Merrick County
31165	Nebraska	Sioux County
35011	New Mexico	De Baca County
35021	New Mexico	Harding County
36045	New York	Jefferson County
36095	New York	Schoharie County
36101	New York	Steuben County
38031	North Dakota	Foster County
38069	North Dakota	Pierce County
39053	Ohio	Gallia County
39127	Ohio	Perry County
40029	Oklahoma	Coal County
40055	Oklahoma	Greer County
40059	Oklahoma	Harper County
40077	Oklahoma	Latimer County
45003	South Carolina	Aiken County
48041	Texas	Brazos County
55141	Wisconsin	Wood County
55017	Wisconsin	Chippewa County
48099	Texas	Coryell County
42015	Pennsylvania	Bradford County
47043	Tennessee	Dickson County
55097	Wisconsin	Portage County
40147	Oklahoma	Washington County
54099	West Virginia	Wayne County
47013	Tennessee	Campbell County
42117	Pennsylvania	Tioga County
50025	Vermont	Windham County
54035	West Virginia	Jackson County
53065	Washington	Stevens County
50017	Vermont	Orange County
47109	Tennessee	McNairy County
51009	Virginia	Amherst County
54047	West Virginia	McDowell County
40153	Oklahoma	Woodward County
47079	Tennessee	Henry County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

41045	Oregon	Malheur County
47159	Tennessee	Smith County
48477	Texas	Washington County
46035	South Dakota	Davison County
48015	Texas	Austin County
51840	Virginia	Winchester city
42093	Pennsylvania	Montour County
47101	Tennessee	Lewis County
55137	Wisconsin	Waushara County
47085	Tennessee	Humphreys County
41031	Oregon	Jefferson County
51037	Virginia	Charlotte County
56019	Wyoming	Johnson County
46079	South Dakota	Lake County
46115	South Dakota	Spink County
46067	South Dakota	Hutchinson County
47087	Tennessee	Jackson County
48193	Texas	Hamilton County
51530	Virginia	Buena Vista city
46077	South Dakota	Kingsbury County
47175	Tennessee	Van Buren County
41063	Oregon	Wallowa County
55091	Wisconsin	Pepin County
53055	Washington	San Juan County
54095	West Virginia	Tyler County
48369	Texas	Parmer County
48317	Texas	Martin County
46105	South Dakota	Perkins County
45005	South Carolina	Allendale County
56027	Wyoming	Niobrara County
53023	Washington	Garfield County
48101	Texas	Cottle County
46119	South Dakota	Sully County
		Denali Yukon-Koyukuk Southeas
2991	Alaska	Fairbanks Comp
		Skagway Hoonah-Angoon Yakutat-
2993	Alaska	Angoon Comp
8121	Colorado	Washington County
12123	Florida	Taylor County
13035	Georgia	Butts County
13177	Georgia	Lee County
16085	Idaho	Valley County
17005	Illinois	Bond County
17023	Illinois	Clark County
18165	Indiana	Vermillion County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

19007	Iowa	Appanoose County
27167	Minnesota	Wilkin County
35047	New Mexico	San Miguel County
1027	Alabama	Clay County
2016	Alaska	Aleutians West Census Area
2185	Alaska	North Slope Borough
2270	Alaska	Wade Hampton Census Area
4012	Arizona	La Paz County
5017	Arkansas	Chicot County
5021	Arkansas	Clay County
5039	Arkansas	Dallas County
5081	Arkansas	Little River County
5143	Arkansas	Washington County
6049	California	Modoc County
8019	Colorado	Clear Creek County
8037	Colorado	Eagle County
8039	Colorado	Elbert County
8043	Colorado	Fremont County
8047	Colorado	Gilpin County
8093	Colorado	Park County
8111	Colorado	San Juan County
8113	Colorado	San Miguel County
13011	Georgia	Banks County
13065	Georgia	Clinch County
13093	Georgia	Dooly County
13133	Georgia	Greene County
13193	Georgia	Macon County
13229	Georgia	Pierce County
13251	Georgia	Screven County
13259	Georgia	Stewart County
13265	Georgia	Taliaferro County
13267	Georgia	Tattnall County
13301	Georgia	Warren County
13319	Georgia	Wilkinson County
16017	Idaho	Bonner County
16035	Idaho	Clearwater County
16063	Idaho	Lincoln County
17009	Illinois	Brown County
17013	Illinois	Calhoun County
17079	Illinois	Jasper County
17121	Illinois	Marion County
17173	Illinois	Shelby County
17189	Illinois	Washington County
17191	Illinois	Wayne County
18085	Indiana	Kosciusko County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

18115	Indiana	Ohio County
18169	Indiana	Wabash County
18179	Indiana	Wells County
19147	Iowa	Palo Alto County
19173	Iowa	Taylor County
19183	Iowa	Washington County
19189	Iowa	Winnebago County
20001	Kansas	Allen County
20013	Kansas	Brown County
20021	Kansas	Cherokee County
20053	Kansas	Ellsworth County
20057	Kansas	Ford County
20067	Kansas	Grant County
20095	Kansas	Kingman County
20115	Kansas	Marion County
20199	Kansas	Wallace County
20205	Kansas	Wilson County
21075	Kentucky	Fulton County
21077	Kentucky	Gallatin County
21089	Kentucky	Greenup County
21095	Kentucky	Harlan County
21099	Kentucky	Hart County
21159	Kentucky	Martin County
21217	Kentucky	Taylor County
22023	Louisiana	Cameron Parish
22029	Louisiana	Concordia Parish
22063	Louisiana	Livingston Parish
22075	Louisiana	Plaquemines Parish
22077	Louisiana	Pointe Coupee Parish
22083	Louisiana	Richland Parish
22125	Louisiana	West Feliciana Parish
24029	Maryland	Kent County
26001	Michigan	Alcona County
26003	Michigan	Alger County
26135	Michigan	Oscoda County
26153	Michigan	Schoolcraft County
26165	Michigan	Wexford County
27007	Minnesota	Beltrami County
27087	Minnesota	Mahnomen County
27091	Minnesota	Martin County
27099	Minnesota	Mower County
27107	Minnesota	Norman County
27119	Minnesota	Polk County
27151	Minnesota	Swift County
27155	Minnesota	Traverse County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

27165	Minnesota	Watonwan County
28019	Mississippi	Choctaw County
28037	Mississippi	Franklin County
28045	Mississippi	Hancock County
28079	Mississippi	Leake County
28091	Mississippi	Marion County
28101	Mississippi	Newton County
28105	Mississippi	Oktibbeha County
28109	Mississippi	Pearl River County
28119	Mississippi	Quitman County
28151	Mississippi	Washington County
28157	Mississippi	Wilkinson County
29041	Missouri	Chariton County
29053	Missouri	Cooper County
29063	Missouri	DeKalb County
29073	Missouri	Gasconade County
29111	Missouri	Lewis County
29127	Missouri	Marion County
29153	Missouri	Ozark County
29209	Missouri	Stone County
30035	Montana	Glacier County
30041	Montana	Hill County
30043	Montana	Jefferson County
30073	Montana	Pondera County
31027	Nebraska	Cedar County
31029	Nebraska	Chase County
31059	Nebraska	Fillmore County
31061	Nebraska	Franklin County
31063	Nebraska	Frontier County
31071	Nebraska	Garfield County
31081	Nebraska	Hamilton County
31083	Nebraska	Harlan County
31107	Nebraska	Knox County
31113	Nebraska	Logan County
31133	Nebraska	Pawnee County
31137	Nebraska	Phelps County
31161	Nebraska	Sheridan County
31163	Nebraska	Sherman County
31171	Nebraska	Thomas County
31181	Nebraska	Webster County
32015	Nevada	Lander County
35017	New Mexico	Grant County
35019	New Mexico	Guadalupe County
35023	New Mexico	Hidalgo County
35033	New Mexico	Mora County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

35053	New Mexico	Socorro County
37117	North Carolina	Martin County
37189	North Carolina	Watauga County
38001	North Dakota	Adams County
38073	North Dakota	Ransom County
38081	North Dakota	Sargent County
38091	North Dakota	Steele County
38095	North Dakota	Towner County
39067	Ohio	Harrison County
39111	Ohio	Monroe County
39121	Ohio	Noble County
40001	Oklahoma	Adair County
40009	Oklahoma	Beckham County
40091	Oklahoma	McIntosh County
40103	Oklahoma	Noble County
40105	Oklahoma	Nowata County
40113	Oklahoma	Osage County
40115	Oklahoma	Ottawa County
40129	Oklahoma	Roger Mills County
41037	Oregon	Lake County
41049	Oregon	Morrow County
42031	Pennsylvania	Clarion County
42047	Pennsylvania	Elk County
42131	Pennsylvania	Wyoming County
45037	South Carolina	Edgefield County
45039	South Carolina	Fairfield County
45053	South Carolina	Jasper County
45065	South Carolina	McCormick County
45069	South Carolina	Marlboro County
46007	South Dakota	Bennett County
46069	South Dakota	Hyde County
46087	South Dakota	McCook County
46091	South Dakota	Marshall County
46093	South Dakota	Meade County
46123	South Dakota	Tripp County
47003	Tennessee	Bedford County
47095	Tennessee	Lake County
47121	Tennessee	Meigs County
47125	Tennessee	Montgomery County
48003	Texas	Andrews County
48009	Texas	Archer County
48025	Texas	Bee County
48069	Texas	Castro County
48079	Texas	Cochran County
48083	Texas	Coleman County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

48107	Texas	Crosby County
48117	Texas	Deaf Smith County
48151	Texas	Fisher County
48169	Texas	Garza County
48211	Texas	Hemphill County
48225	Texas	Houston County
48237	Texas	Jack County
48249	Texas	Jim Wells County
48271	Texas	Kinney County
48281	Texas	Lampasas County
48315	Texas	Marion County
48325	Texas	Medina County
48327	Texas	Menard County
48333	Texas	Mills County
48359	Texas	Oldham County
48377	Texas	Presidio County
48401	Texas	Rusk County
48405	Texas	San Augustine County
48425	Texas	Somervell County
48429	Texas	Stephens County
48433	Texas	Stonewall County
48435	Texas	Sutton County
48461	Texas	Upton County
48475	Texas	Ward County
48503	Texas	Young County
49055	Utah	Wayne County
51036	Virginia	Charles City County
51135	Virginia	Nottoway County
51520	Virginia	Bristol city
51600	Virginia	Fairfax city
51683	Virginia	Manassas city
51735	Virginia	Poquoson city
51830	Virginia	Williamsburg city
53069	Washington	Wahkiakum County
54005	West Virginia	Boone County
54021	West Virginia	Gilmer County
54029	West Virginia	Hancock County
54105	West Virginia	Wirt County
55078	Wisconsin	Menominee County
55125	Wisconsin	Vilas County
56029	Wyoming	Park County
56043	Wyoming	Washakie County

American Indian/Alaska Native (AIAN)

StCo Fips	State	County Name
2016	Alaska	Aleutians West Census Area
2070	Alaska	Dillingham Census Area
2185	Alaska	North Slope Borough
2270	Alaska	Wade Hampton Census Area
2991	Alaska	Denali Yukon-Koyukuk Southeast Fairbanks
4009	Arizona	Graham County
5081	Arkansas	Little River County
6049	California	Modoc County
8043	Colorado	Fremont County
16035	Idaho	Clearwater County
17191	Illinois	Wayne County
22063	Louisiana	Livingston Parish
23003	Maine	Aroostook County
26153	Michigan	Schoolcraft County
27087	Minnesota	Mahnomen County
27107	Minnesota	Norman County
30035	Montana	Glacier County
30041	Montana	Hill County
30073	Montana	Pondera County
31045	Nebraska	Dawes County
31107	Nebraska	Knox County
32015	Nevada	Lander County
36045	New York	Jefferson County
40105	Oklahoma	Nowata County
40113	Oklahoma	Osage County
40129	Oklahoma	Roger Mills County
40147	Oklahoma	Washington County
41031	Oregon	Jefferson County
41063	Oregon	Wallowa County
46007	South Dakota	Bennett County
48041	Texas	Brazos County
53065	Washington	Stevens County
55078	Wisconsin	Menominee County
55141	Wisconsin	Wood County

Black

StCo Fips	State Name	County Name
5081	Arkansas	Little River County
12015	Florida	Charlotte County
12123	Florida	Taylor County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

13025	Georgia	Brantley County
13053	Georgia	Chattahoochee County
13065	Georgia	Clinch County
13093	Georgia	Dooly County
13105	Georgia	Elbert County
13167	Georgia	Johnson County
13177	Georgia	Lee County
13179	Georgia	Liberty County
13193	Georgia	Macon County
13251	Georgia	Screven County
13261	Georgia	Sumter County
13301	Georgia	Warren County
13309	Georgia	Wheeler County
13319	Georgia	Wilkinson County
21017	Kentucky	Bourbon County
21047	Kentucky	Christian County
22077	Louisiana	Pointe Coupee Parish
22083	Louisiana	Richland Parish
23003	Maine	Aroostook County
24019	Maryland	Dorchester County
24029	Maryland	Kent County
27007	Minnesota	Beltrami County
27119	Minnesota	Polk County
28037	Mississippi	Franklin County
28079	Mississippi	Leake County
28091	Mississippi	Marion County
28101	Mississippi	Newton County
28105	Mississippi	Oktibbeha County
28109	Mississippi	Pearl River County
40113	Oklahoma	Osage County
40147	Oklahoma	Washington County
41045	Oregon	Malheur County
47003	Tennessee	Bedford County
47043	Tennessee	Dickson County
48225	Texas	Houston County
48475	Texas	Ward County
50017	Vermont	Orange County
51135	Virginia	Nottoway County
51840	Virginia	Winchester city
54029	West Virginia	Hancock County

Asian

StCo Fips	State Name	County Name
12015	Florida	Charlotte County
13011	Georgia	Banks County
17191	Illinois	Wayne County
18085	Indiana	Kosciusko County
18179	Indiana	Wells County
21047	Kentucky	Christian County
21167	Kentucky	Mercer County
27099	Minnesota	Mower County
27119	Minnesota	Polk County
28151	Mississippi	Washington County
31045	Nebraska	Dawes County
36045	New York	Jefferson County
40115	Oklahoma	Ottawa County
40147	Oklahoma	Washington County
48099	Texas	Coryell County
48401	Texas	Rusk County
51009	Virginia	Amherst County
51520	Virginia	Bristol city
51683	Virginia	Manassas city
55017	Wisconsin	Chippewa County
55097	Wisconsin	Portage County
55141	Wisconsin	Wood County

Hispanic

StCo Fips	State Name	County Name
12015	Florida	Charlotte County
1001	Alabama	Autauga County
5067	Arkansas	Jackson County
5091	Arkansas	Miller County
6049	California	Modoc County
8037	Colorado	Eagle County
13179	Georgia	Liberty County
13193	Georgia	Macon County
13197	Georgia	Marion County
13209	Georgia	Montgomery County
13229	Georgia	Pierce County
13249	Georgia	Schley County
13259	Georgia	Stewart County
13261	Georgia	Sumter County
13267	Georgia	Tattall County

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

13297	Georgia	Walton County
16017	Idaho	Bonner County
20013	Kansas	Brown County
20057	Kansas	Ford County
21035	Kentucky	Calloway County
21047	Kentucky	Christian County
21167	Kentucky	Mercer County
27099	Minnesota	Mower County
27119	Minnesota	Polk County
27165	Minnesota	Watonwan County
28109	Mississippi	Pearl River County
31029	Nebraska	Chase County
35011	New Mexico	De Baca County
35017	New Mexico	Grant County
35019	New Mexico	Guadalupe County
35023	New Mexico	Hidalgo County
35053	New Mexico	Socorro County
36045	New York	Jefferson County
37189	North Carolina	Watauga County
40059	Oklahoma	Harper County
40147	Oklahoma	Washington County
41037	Oregon	Lake County
41049	Oregon	Morrow County
47125	Tennessee	Montgomery County
48069	Texas	Castro County
48079	Texas	Cochran County
48107	Texas	Crosby County
48117	Texas	Deaf Smith County
48151	Texas	Fisher County
48169	Texas	Garza County
48237	Texas	Jack County
48249	Texas	Jim Wells County
48271	Texas	Kinney County
48317	Texas	Martin County
48325	Texas	Medina County
48377	Texas	Presidio County
48425	Texas	Somervell County
48475	Texas	Ward County
48477	Texas	Washington County
48503	Texas	Young County
49041	Utah	Sevier County
51600	Virginia	Fairfax city
51683	Virginia	Manassas city
51830	Virginia	Williamsburg city
55017	Wisconsin	Chippewa County

Appendix 6 Detailed Codebook for Electronic Readable Data File

Variable	Definition
fips3188	Federal Information Processing Standard code, 5-digit state-county
stname	State Name
ctyname	County Name
r0bnf0	Estimated Net Migration Rate in 2000s, black non-hispanic female, ages 0-4
r0bnf5	Estimated Net Migration Rate in 2000s, black non-hispanic female, ages 5-9
r0bnf10	Estimated Net Migration Rate in 2000s, black non-hispanic female, ages 10-14
r0bnf15	Estimated Net Migration Rate in 2000s, black non-hispanic female, ages 15-19
r0bnf20	Estimated Net Migration Rate in 2000s, black non-hispanic female, ages 20-24
r0bnf25	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 25-29
r0bnf30	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 30-34
r0bnf35	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 35-39
r0bnf40	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 40-44
r0bnf45	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 45-49
r0bnf50	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 50-54
r0bnf55	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 55-59
r0bnf60	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 60-64
r0bnf65	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 65-69
r0bnf70	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 70-74
r0bnf75	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 75-79
r0bnf80	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 80-84
r0bnf85	Estimated Net Migration Rate 2000s, black non-hispanic female, ages 85+
r0bnm0	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 0-4
r0bnm5	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 5-9
r0bnm10	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 10-14
r0bnm15	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 15-19
r0bnm20	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 20-24
r0bnm25	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 25-29
r0bnm30	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 30-34
r0bnm35	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 35-39
r0bnm40	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 40-44
r0bnm45	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 45-49
r0bnm50	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 50-54
r0bnm55	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 55-59
r0bnm60	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 60-64
r0bnm65	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 65-69
r0bnm70	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 70-74
r0bnm75	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 75-79
r0bnm80	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 80-84
r0bnm85	Estimated Net Migration Rate 2000s, black non-hispanic male, ages 85+
r0bnt0	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 0-4
r0bnt5	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

r0bnt10	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 10-14
r0bnt15	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 15-19
r0bnt20	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 20-24
r0bnt25	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 25-29
r0bnt30	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 30-34
r0bnt35	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 35-39
r0bnt40	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 40-44
r0bnt45	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 45-49
r0bnt50	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 50-54
r0bnt55	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 55-59
r0bnt60	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 60-64
r0bnt65	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 65-69
r0bnt70	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 70-74
r0bnt75	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 75-79
r0bnt80	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 80-84
r0bnt85	Estimated Net Migration Rate 2000s, black non-hispanic total, ages 85+
r0thf0	Estimated Net Migration Rate 2000s, total hispanic female, ages 0-4
r0thf5	Estimated Net Migration Rate 2000s, total hispanic female, ages 5-9
r0thf10	Estimated Net Migration Rate 2000s, total hispanic female, ages 10-14
r0thf15	Estimated Net Migration Rate in 2000s, total hispanic female, ages 15-19
r0thf20	Estimated Net Migration Rate in 2000s, total hispanic female, ages 20-24
r0thf25	Estimated Net Migration Rate in 2000s, total hispanic female, ages 25-29
r0thf30	Estimated Net Migration Rate in 2000s, total hispanic female, ages 30-34
r0thf35	Estimated Net Migration Rate in 2000s, total hispanic female, ages 35-39
r0thf40	Estimated Net Migration Rate in 2000s, total hispanic female, ages 40-44
r0thf45	Estimated Net Migration Rate in 2000s, total hispanic female, ages 45-49
r0thf50	Estimated Net Migration Rate in 2000s, total hispanic female, ages 50-54
r0thf55	Estimated Net Migration Rate in 2000s, total hispanic female, ages 55-59
r0thf60	Estimated Net Migration Rate in 2000s, total hispanic female, ages 60-64
r0thf65	Estimated Net Migration Rate in 2000s, total hispanic female, ages 65-69
r0thf70	Estimated Net Migration Rate in 2000s, total hispanic female, ages 70-74
r0thf75	Estimated Net Migration Rate in 2000s, total hispanic female, ages 75-79
r0thf80	Estimated Net Migration Rate in 2000s, total hispanic female, ages 80-84
r0thf85	Estimated Net Migration Rate in 2000s, total hispanic female, ages 85+
r0thm0	Estimated Net Migration Rate in 2000s, total hispanic male, ages 0-4
r0thm5	Estimated Net Migration Rate in 2000s, total hispanic male, ages 5-9
r0thm10	Estimated Net Migration Rate in 2000s, total hispanic male, ages 10-14
r0thm15	Estimated Net Migration Rate in 2000s, total hispanic male, ages 15-19
r0thm20	Estimated Net Migration Rate in 2000s, total hispanic male, ages 20-24
r0thm25	Estimated Net Migration Rate in 2000s, total hispanic male, ages 25-29
r0thm30	Estimated Net Migration Rate in 2000s, total hispanic male, ages 30-34
r0thm35	Estimated Net Migration Rate in 2000s, total hispanic male, ages 35-39
r0thm40	Estimated Net Migration Rate in 2000s, total hispanic male, ages 40-44
r0thm45	Estimated Net Migration Rate in 2000s, total hispanic male, ages 45-49
r0thm50	Estimated Net Migration Rate in 2000s, total hispanic male, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

r0thm55	Estimated Net Migration Rate in 2000s, total hispanic male, ages 55-59
r0thm60	Estimated Net Migration Rate in 2000s, total hispanic male, ages 60-64
r0thm65	Estimated Net Migration Rate in 2000s, total hispanic male, ages 65-69
r0thm70	Estimated Net Migration Rate in 2000s, total hispanic male, ages 70-74
r0thm75	Estimated Net Migration Rate in 2000s, total hispanic male, ages 75-79
r0thm80	Estimated Net Migration Rate in 2000s, total hispanic male, ages 80-84
r0thm85	Estimated Net Migration Rate in 2000s, total hispanic male, ages 85+
r0tht0	Estimated Net Migration Rate in 2000s, total hispanic, ages 0-4
r0tht5	Estimated Net Migration Rate in 2000s, total hispanic, ages 5-9
r0tht10	Estimated Net Migration Rate in 2000s, total hispanic, ages 10-14
r0tht15	Estimated Net Migration Rate in 2000s, total hispanic, ages 15-19
r0tht20	Estimated Net Migration Rate in 2000s, total hispanic, ages 20-24
r0tht25	Estimated Net Migration Rate in 2000s, total hispanic, ages 25-29
r0tht30	Estimated Net Migration Rate in 2000s, total hispanic, ages 30-34
r0tht35	Estimated Net Migration Rate in 2000s, total hispanic, ages 35-39
r0tht40	Estimated Net Migration Rate in 2000s, total hispanic, ages 40-44
r0tht45	Estimated Net Migration Rate in 2000s, total hispanic, ages 45-49
r0tht50	Estimated Net Migration Rate in 2000s, total hispanic, ages 50-54
r0tht55	Estimated Net Migration Rate in 2000s, total hispanic, ages 55-59
r0tht60	Estimated Net Migration Rate in 2000s, total hispanic, ages 60-64
r0tht65	Estimated Net Migration Rate in 2000s, total hispanic, ages 65-69
r0tht70	Estimated Net Migration Rate in 2000s, total hispanic, ages 70-74
r0tht75	Estimated Net Migration Rate in 2000s, total hispanic, ages 75-79
r0tht80	Estimated Net Migration Rate in 2000s, total hispanic, ages 80-84
r0tht85	Estimated Net Migration Rate in 2000s, total hispanic, ages 85+
r0wnf0	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 0-4
r0wnf5	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 5-9
r0wnf10	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 10-14
r0wnf15	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 15-19
r0wnf20	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 20-24
r0wnf25	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 25-29
r0wnf30	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 30-34
r0wnf35	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 35-39
r0wnf40	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 40-44
r0wnf45	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 45-49
r0wnf50	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 50-54
r0wnf55	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 55-59
r0wnf60	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 60-64
r0wnf65	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 65-69
r0wnf70	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 70-74
r0wnf75	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 75-79
r0wnf80	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 80-84
r0wnf85	Estimated Net Migration Rate in 2000s, white non-hispanic female, ages 85+
r0wnm0	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 0-4
r0wnm5	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

r0wnm10	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 10-14
r0wnm15	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 15-19
r0wnm20	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 20-24
r0wnm25	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 25-29
r0wnm30	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 30-34
r0wnm35	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 35-39
r0wnm40	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 40-44
r0wnm45	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 45-49
r0wnm50	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 50-54
r0wnm55	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 55-59
r0wnm60	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 60-64
r0wnm65	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 65-69
r0wnm70	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 70-74
r0wnm75	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 75-79
r0wnm80	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 80-84
r0wnm85	Estimated Net Migration Rate in 2000s, white non-hispanic male, ages 85+
r0wnt0	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 0-4
r0wnt5	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 5-9
r0wnt10	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 10-14
r0wnt15	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 15-19
r0wnt20	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 20-24
r0wnt25	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 25-29
r0wnt30	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 30-34
r0wnt35	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 35-39
r0wnt40	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 40-44
r0wnt45	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 45-49
r0wnt50	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 50-54
r0wnt55	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 55-59
r0wnt60	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 60-64
r0wnt65	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 65-69
r0wnt70	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 70-74
r0wnt75	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 75-79
r0wnt80	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 80-84
r0wnt85	Estimated Net Migration Rate in 2000s, white non-hispanic total, ages 85+
r0onf0	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 0-4
r0onf5	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 5-9
r0onf10	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 10-14
r0onf15	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 15-19
r0onf20	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 20-24
r0onf25	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 25-29
r0onf30	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 30-34
r0onf35	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 35-39
r0onf40	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 40-44
r0onf45	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 45-49
r0onf50	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

r0onf55	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 55-59
r0onf60	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 60-64
r0onf65	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 65-69
r0onf70	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 70-74
r0onf75	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 75-79
r0onf80	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 80-84
r0onf85	Estimated Net Migration Rate in 2000s, other non-hispanic female, ages 85+
r0onm0	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 0-4
r0onm5	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 5-9
r0onm10	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 10-14
r0onm15	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 15-19
r0onm20	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 20-24
r0onm25	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 25-29
r0onm30	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 30-34
r0onm35	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 35-39
r0onm40	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 40-44
r0onm45	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 45-49
r0onm50	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 50-54
r0onm55	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 55-59
r0onm60	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 60-64
r0onm65	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 65-69
r0onm70	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 70-74
r0onm75	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 75-79
r0onm80	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 80-84
r0onm85	Estimated Net Migration Rate in 2000s, other non-hispanic male, ages 85+
r0ont0	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 0-4
r0ont5	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 5-9
r0ont10	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 10-14
r0ont15	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 15-19
r0ont20	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 20-24
r0ont25	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 25-29
r0ont30	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 30-34
r0ont35	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 35-39
r0ont40	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 40-44
r0ont45	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 45-49
r0ont50	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 50-54
r0ont55	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 55-59
r0ont60	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 60-64
r0ont65	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 65-69
r0ont70	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 70-74
r0ont75	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 75-79
r0ont80	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 80-84
r0ont85	Estimated Net Migration Rate in 2000s, other non-hispanic total, ages 85+
r0ttf0	Estimated Net Migration Rate in 2000s, total female, ages 0-4
r0ttf5	Estimated Net Migration Rate in 2000s, total female, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

r0ttf10	Estimated Net Migration Rate in 2000s, total female, ages 10-14
r0ttf15	Estimated Net Migration Rate in 2000s, total female, ages 15-19
r0ttf20	Estimated Net Migration Rate in 2000s, total female, ages 20-24
r0ttf25	Estimated Net Migration Rate in 2000s, total female, ages 25-29
r0ttf30	Estimated Net Migration Rate in 2000s, total female, ages 30-34
r0ttf35	Estimated Net Migration Rate in 2000s, total female, ages 35-39
r0ttf40	Estimated Net Migration Rate in 2000s, total female, ages 40-44
r0ttf45	Estimated Net Migration Rate in 2000s, total female, ages 45-49
r0ttf50	Estimated Net Migration Rate in 2000s, total female, ages 50-54
r0ttf55	Estimated Net Migration Rate in 2000s, total female, ages 55-59
r0ttf60	Estimated Net Migration Rate in 2000s, total female, ages 60-64
r0ttf65	Estimated Net Migration Rate in 2000s, total female, ages 65-69
r0ttf70	Estimated Net Migration Rate in 2000s, total female, ages 70-74
r0ttf75	Estimated Net Migration Rate in 2000s, total female, ages 75-79
r0ttf80	Estimated Net Migration Rate in 2000s, total female, ages 80-84
r0ttf85	Estimated Net Migration Rate in 2000s, total female, ages 85+
r0ttm0	Estimated Net Migration Rate in 2000s, total male, ages 0-4
r0ttm5	Estimated Net Migration Rate in 2000s, total male, ages 5-9
r0ttm10	Estimated Net Migration Rate in 2000s, total male, ages 10-14
r0ttm15	Estimated Net Migration Rate in 2000s, total male, ages 15-19
r0ttm20	Estimated Net Migration Rate in 2000s, total male, ages 20-24
r0ttm25	Estimated Net Migration Rate in 2000s, total male, ages 25-29
r0ttm30	Estimated Net Migration Rate in 2000s, total male, ages 30-34
r0ttm35	Estimated Net Migration Rate in 2000s, total male, ages 35-39
r0ttm40	Estimated Net Migration Rate in 2000s, total male, ages 40-44
r0ttm45	Estimated Net Migration Rate in 2000s, total male, ages 45-49
r0ttm50	Estimated Net Migration Rate in 2000s, total male, ages 50-54
r0ttm55	Estimated Net Migration Rate in 2000s, total male, ages 55-59
r0ttm60	Estimated Net Migration Rate in 2000s, total male, ages 60-64
r0ttm65	Estimated Net Migration Rate in 2000s, total male, ages 65-69
r0ttm70	Estimated Net Migration Rate in 2000s, total male, ages 70-74
r0ttm75	Estimated Net Migration Rate in 2000s, total male, ages 75-79
r0ttm80	Estimated Net Migration Rate in 2000s, total male, ages 80-84
r0ttm85	Estimated Net Migration Rate in 2000s, total male, ages 85+
r0ttt0	Estimated Net Migration Rate in 2000s, total, ages 0-4
r0ttt5	Estimated Net Migration Rate in 2000s, total, ages 5-9
r0ttt10	Estimated Net Migration Rate in 2000s, total, ages 10-14
r0ttt15	Estimated Net Migration Rate in 2000s, total, ages 15-19
r0ttt20	Estimated Net Migration Rate in 2000s, total, ages 20-24
r0ttt25	Estimated Net Migration Rate in 2000s, total, ages 25-29
r0ttt30	Estimated Net Migration Rate in 2000s, total, ages 30-34
r0ttt35	Estimated Net Migration Rate in 2000s, total, ages 35-39
r0ttt40	Estimated Net Migration Rate in 2000s, total, ages 40-44
r0ttt45	Estimated Net Migration Rate in 2000s, total, ages 45-49
r0ttt50	Estimated Net Migration Rate in 2000s, total, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

r0ttt55	Estimated Net Migration Rate in 2000s, total, ages 55-59
r0ttt60	Estimated Net Migration Rate in 2000s, total, ages 60-64
r0ttt65	Estimated Net Migration Rate in 2000s, total, ages 65-69
r0ttt70	Estimated Net Migration Rate in 2000s, total, ages 70-74
r0ttt75	Estimated Net Migration Rate in 2000s, total, ages 75-79
r0ttt80	Estimated Net Migration Rate in 2000s, total, ages 80-84
r0ttt85	Estimated Net Migration Rate in 2000s, total, ages 85+
m0bnf0	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 0-4
m0bnf5	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 5-9
m0bnf10	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 10-14
m0bnf15	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 15-19
m0bnf20	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 20-24
m0bnf25	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 25-29
m0bnf30	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 30-34
m0bnf35	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 35-39
m0bnf40	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 40-44
m0bnf45	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 45-49
m0bnf50	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 50-54
m0bnf55	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 55-59
m0bnf60	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 60-64
m0bnf65	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 65-69
m0bnf70	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 70-74
m0bnf75	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 75-79
m0bnf80	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 80-84
m0bnf85	Estimated Number of Net Migrants in 2000s, black non-hispanic female, ages 85+
m0bnm0	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 0-4
m0bnm5	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 5-9
m0bnm10	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 10-14
m0bnm15	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 15-19
m0bnm20	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 20-24
m0bnm25	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 25-29
m0bnm30	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 30-34
m0bnm35	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 35-39
m0bnm40	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 40-44
m0bnm45	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 45-49
m0bnm50	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 50-54
m0bnm55	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 55-59
m0bnm60	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 60-64
m0bnm65	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 65-69
m0bnm70	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 70-74
m0bnm75	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 75-79
m0bnm80	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 80-84
m0bnm85	Estimated Number of Net Migrants in 2000s, black non-hispanic male, ages 85+
m0bnt0	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 0-4
m0bnt5	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

m0bnt10	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 10-14
m0bnt15	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 15-19
m0bnt20	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 20-24
m0bnt25	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 25-29
m0bnt30	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 30-34
m0bnt35	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 35-39
m0bnt40	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 40-44
m0bnt45	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 45-49
m0bnt50	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 50-54
m0bnt55	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 55-59
m0bnt60	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 60-64
m0bnt65	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 65-69
m0bnt70	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 70-74
m0bnt75	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 75-79
m0bnt80	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 80-84
m0bnt85	Estimated Number of Net Migrants in 2000s, black non-hispanic total, ages 85+
m0thf0	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 0-4
m0thf5	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 5-9
m0thf10	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 10-14
m0thf15	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 15-19
m0thf20	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 20-24
m0thf25	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 25-29
m0thf30	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 30-34
m0thf35	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 35-39
m0thf40	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 40-44
m0thf45	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 45-49
m0thf50	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 50-54
m0thf55	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 55-59
m0thf60	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 60-64
m0thf65	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 65-69
m0thf70	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 70-74
m0thf75	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 75-79
m0thf80	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 80-84
m0thf85	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 85+
m0thm0	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 0-4
m0thm5	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 5-9
m0thm10	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 10-14
m0thm15	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 15-19
m0thm20	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 20-24
m0thm25	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 25-29
m0thm30	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 30-34
m0thm35	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 35-39
m0thm40	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 40-44
m0thm45	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 45-49
m0thm50	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

m0thm55	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 55-59
m0thm60	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 60-64
m0thm65	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 65-69
m0thm70	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 70-74
m0thm75	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 75-79
m0thm80	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 80-84
m0thm85	Estimated Number of Net Migrants in 2000s, total hispanic male, ages 85+
m0tht0	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 0-4
m0tht5	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 5-9
m0tht10	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 10-14
m0tht15	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 15-19
m0tht20	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 20-24
m0tht25	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 25-29
m0tht30	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 30-34
m0tht35	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 35-39
m0tht40	Estimated Number of Net Migrants in 2000s, total hispanic female, ages 40-44
m0tht45	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 45-49
m0tht50	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 50-54
m0tht55	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 55-59
m0tht60	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 60-64
m0tht65	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 65-69
m0tht70	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 70-74
m0tht75	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 75-79
m0tht80	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 80-84
m0tht85	Estimated Number of Net Migrants in 2000s, total hispanic total, ages 85+
m0wnf0	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 0-4
m0wnf5	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 5-9
m0wnf10	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 10-14
m0wnf15	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 15-19
m0wnf20	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 20-24
m0wnf25	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 25-29
m0wnf30	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 30-34
m0wnf35	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 35-39
m0wnf40	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 40-44
m0wnf45	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 45-49
m0wnf50	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 50-54
m0wnf55	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 55-59
m0wnf60	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 60-64
m0wnf65	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 65-69
m0wnf70	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 70-74
m0wnf75	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 75-79
m0wnf80	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 80-84
m0wnf85	Estimated Number of Net Migrants in 2000s, white non-hispanic female, ages 85+
m0wnm0	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 0-4
m0wnm5	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

m0wnm10	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 10-14
m0wnm15	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 15-19
m0wnm20	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 20-24
m0wnm25	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 25-29
m0wnm30	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 30-34
m0wnm35	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 35-39
m0wnm40	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 40-44
m0wnm45	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 45-49
m0wnm50	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 50-54
m0wnm55	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 55-59
m0wnm60	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 60-64
m0wnm65	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 65-69
m0wnm70	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 70-74
m0wnm75	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 75-79
m0wnm80	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 80-84
m0wnm85	Estimated Number of Net Migrants in 2000s, white non-hispanic male, ages 85+
m0wnt0	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 0-4
m0wnt5	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 5-9
m0wnt10	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 10-14
m0wnt15	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 15-19
m0wnt20	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 20-24
m0wnt25	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 25-29
m0wnt30	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 30-34
m0wnt35	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 35-39
m0wnt40	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 40-44
m0wnt45	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 45-49
m0wnt50	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 50-54
m0wnt55	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 55-59
m0wnt60	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 60-64
m0wnt65	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 64-69
m0wnt70	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 70-74
m0wnt75	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 75-79
m0wnt80	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 80-84
m0wnt85	Estimated Number of Net Migrants in 2000s, white non-hispanic total, ages 85+
m0onf0	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 0-4
m0onf5	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 5-9
m0onf10	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 10-14
m0onf15	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 15-19
m0onf20	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 20-24
m0onf25	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 25-29
m0onf30	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 30-34
m0onf35	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 35-39
m0onf40	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 40-44
m0onf45	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 45-49
m0onf50	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

m0onf55	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 55-59
m0onf60	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 60-64
m0onf65	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 65-69
m0onf70	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 70-74
m0onf75	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 75-79
m0onf80	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 80-84
m0onf85	Estimated Number of Net Migrants in 2000s, other non-hispanic female, ages 85+
m0onm0	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 0-4
m0onm5	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 5-9
m0onm10	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 10-14
m0onm15	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 15-19
m0onm20	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 20-24
m0onm25	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 25-29
m0onm30	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 30-34
m0onm35	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 35-39
m0onm40	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 40-44
m0onm45	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 45-49
m0onm50	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 50-54
m0onm55	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 55-59
m0onm60	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 60-64
m0onm65	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 65-69
m0onm70	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 70-74
m0onm75	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 75-79
m0onm80	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 80-84
m0onm85	Estimated Number of Net Migrants in 2000s, other non-hispanic male, ages 85+
m0ont0	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 0-4
m0ont5	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 5-9
m0ont10	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 10-14
m0ont15	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 15-19
m0ont20	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 20-24
m0ont25	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 25-29
m0ont30	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 30-34
m0ont35	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 35-39
m0ont40	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 40-44
m0ont45	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 45-49
m0ont50	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 50-54
m0ont55	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 55-59
m0ont60	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 60-64
m0ont65	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 65-69
m0ont70	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 70-74
m0ont75	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 75-79
m0ont80	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 80-84
m0ont85	Estimated Number of Net Migrants in 2000s, other non-hispanic total, ages 85+
m0ttf0	Estimated Number of Net Migrants in 2000s, total female, ages 0-4
m0ttf5	Estimated Number of Net Migrants in 2000s, total female, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

m0ttf10	Estimated Number of Net Migrants in 2000s, total female, ages 10-14
m0ttf15	Estimated Number of Net Migrants in 2000s, total female, ages 15-19
m0ttf20	Estimated Number of Net Migrants in 2000s, total female, ages 20-24
m0ttf25	Estimated Number of Net Migrants in 2000s, total female, ages 25-29
m0ttf30	Estimated Number of Net Migrants in 2000s, total female, ages 30-34
m0ttf35	Estimated Number of Net Migrants in 2000s, total female, ages 35-39
m0ttf40	Estimated Number of Net Migrants in 2000s, total female, ages 40-44
m0ttf45	Estimated Number of Net Migrants in 2000s, total female, ages 45-49
m0ttf50	Estimated Number of Net Migrants in 2000s, total female, ages 50-54
m0ttf55	Estimated Number of Net Migrants in 2000s, total female, ages 55-59
m0ttf60	Estimated Number of Net Migrants in 2000s, total female, ages 60-64
m0ttf65	Estimated Number of Net Migrants in 2000s, total female, ages 65-69
m0ttf70	Estimated Number of Net Migrants in 2000s, total female, ages 70-74
m0ttf75	Estimated Number of Net Migrants in 2000s, total female, ages 75-79
m0ttf80	Estimated Number of Net Migrants in 2000s, total female, ages 80-84
m0ttf85	Estimated Number of Net Migrants in 2000s, total female, ages 85+
m0ttm0	Estimated Number of Net Migrants in 2000s, total male, ages 0-4
m0ttm5	Estimated Number of Net Migrants in 2000s, total male, ages 5-9
m0ttm10	Estimated Number of Net Migrants in 2000s, total male, ages 10-14
m0ttm15	Estimated Number of Net Migrants in 2000s, total male, ages 15-19
m0ttm20	Estimated Number of Net Migrants in 2000s, total male, ages 20-24
m0ttm25	Estimated Number of Net Migrants in 2000s, total male, ages 25-29
m0ttm30	Estimated Number of Net Migrants in 2000s, total male, ages 30-34
m0ttm35	Estimated Number of Net Migrants in 2000s, total male, ages 35-39
m0ttm40	Estimated Number of Net Migrants in 2000s, total male, ages 40-44
m0ttm45	Estimated Number of Net Migrants in 2000s, total male, ages 45-49
m0ttm50	Estimated Number of Net Migrants in 2000s, total male, ages 50-54
m0ttm55	Estimated Number of Net Migrants in 2000s, total male, ages 55-59
m0ttm60	Estimated Number of Net Migrants in 2000s, total male, ages 60-64
m0ttm65	Estimated Number of Net Migrants in 2000s, total male, ages 65-69
m0ttm70	Estimated Number of Net Migrants in 2000s, total male, ages 70-74
m0ttm75	Estimated Number of Net Migrants in 2000s, total male, ages 75-79
m0ttm80	Estimated Number of Net Migrants in 2000s, total male, ages 80-84
m0ttm85	Estimated Number of Net Migrants in 2000s, total male, ages 85+
m0ttt0	Estimated Number of Net Migrants in 2000s, total, ages 0-4
m0ttt5	Estimated Number of Net Migrants in 2000s, total, ages 5-9
m0ttt10	Estimated Number of Net Migrants in 2000s, total, ages 10-14
m0ttt15	Estimated Number of Net Migrants in 2000s, total, ages 15-19
m0ttt20	Estimated Number of Net Migrants in 2000s, total, ages 20-24
m0ttt25	Estimated Number of Net Migrants in 2000s, total, ages 25-29
m0ttt30	Estimated Number of Net Migrants in 2000s, total, ages 30-34
m0ttt35	Estimated Number of Net Migrants in 2000s, total, ages 35-39
m0ttt40	Estimated Number of Net Migrants in 2000s, total, ages 40-44
m0ttt45	Estimated Number of Net Migrants in 2000s, total, ages 45-49
m0ttt50	Estimated Number of Net Migrants in 2000s, total, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

m0ttt55	Estimated Number of Net Migrants in 2000s, total, ages 55-59
m0ttt60	Estimated Number of Net Migrants in 2000s, total, ages 60-64
m0ttt65	Estimated Number of Net Migrants in 2000s, total, ages 65-69
m0ttt70	Estimated Number of Net Migrants in 2000s, total, ages 70-74
m0ttt75	Estimated Number of Net Migrants in 2000s, total, ages 75-79
m0ttt80	Estimated Number of Net Migrants in 2000s, total, ages 80-84
m0ttt85	Estimated Number of Net Migrants in 2000s, total, ages 85+
e0bnf0	Expected population count in 2010, black non-hispanic female, ages 0-4
e0bnf5	Expected population count in 2010, black non-hispanic female, ages 5-9
e0bnf10	Expected population count in 2010, black non-hispanic female, ages 10-14
e0bnf15	Expected population count in 2010, black non-hispanic female, ages 15-19
e0bnf20	Expected population count in 2010, black non-hispanic female, ages 20-24
e0bnf25	Expected population count in 2010, black non-hispanic female, ages 25-29
e0bnf30	Expected population count in 2010, black non-hispanic female, ages 30-34
e0bnf35	Expected population count in 2010, black non-hispanic female, ages 35-39
e0bnf40	Expected population count in 2010, black non-hispanic female, ages 40-44
e0bnf45	Expected population count in 2010, black non-hispanic female, ages 45-49
e0bnf50	Expected population count in 2010, black non-hispanic female, ages 50-54
e0bnf55	Expected population count in 2010, black non-hispanic female, ages 55-59
e0bnf60	Expected population count in 2010, black non-hispanic female, ages 60-64
e0bnf65	Expected population count in 2010, black non-hispanic female, ages 65-69
e0bnf70	Expected population count in 2010, black non-hispanic female, ages 70-74
e0bnf75	Expected population count in 2010, black non-hispanic female, ages 75-79
e0bnf80	Expected population count in 2010, black non-hispanic female, ages 80-84
e0bnf85	Expected population count in 2010, black non-hispanic female, ages 85+
e0bnm0	Expected population count in 2010, black non-hispanic male, ages 0-4
e0bnm5	Expected population count in 2010, black non-hispanic male, ages 5-9
e0bnm10	Expected population count in 2010, black non-hispanic male, ages 10-14
e0bnm15	Expected population count in 2010, black non-hispanic male, ages 15-19
e0bnm20	Expected population count in 2010, black non-hispanic male, ages 20-24
e0bnm25	Expected population count in 2010, black non-hispanic male, ages 25-29
e0bnm30	Expected population count in 2010, black non-hispanic male, ages 30-34
e0bnm35	Expected population count in 2010, black non-hispanic male, ages 35-39
e0bnm40	Expected population count in 2010, black non-hispanic male, ages 40-44
e0bnm45	Expected population count in 2010, black non-hispanic male, ages 45-49
e0bnm50	Expected population count in 2010, black non-hispanic male, ages 50-54
e0bnm55	Expected population count in 2010, black non-hispanic male, ages 55-59
e0bnm60	Expected population count in 2010, black non-hispanic male, ages 60-64
e0bnm65	Expected population count in 2010, black non-hispanic male, ages 65-69
e0bnm70	Expected population count in 2010, black non-hispanic male, ages 70-74
e0bnm75	Expected population count in 2010, black non-hispanic male, ages 75-79
e0bnm80	Expected population count in 2010, black non-hispanic male, ages 80-84
e0bnm85	Expected population count in 2010, black non-hispanic male, ages 85+
e0thf0	Expected population count in 2010, total hispanic female, ages 0-4
e0thf5	Expected population count in 2010, total hispanic female, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

e0thf10	Expected population count in 2010, total hispanic female, ages 10-14
e0thf15	Expected population count in 2010, total hispanic female, ages 15-19
e0thf20	Expected population count in 2010, total hispanic female, ages 20-24
e0thf25	Expected population count in 2010, total hispanic female, ages 25-29
e0thf30	Expected population count in 2010, total hispanic female, ages 30-34
e0thf35	Expected population count in 2010, total hispanic female, ages
e0thf40	Expected population count in 2010, total hispanic female, ages 40-44
e0thf45	Expected population count in 2010, total hispanic female, ages 45-49
e0thf50	Expected population count in 2010, total hispanic female, ages 50-54
e0thf55	Expected population count in 2010, total hispanic female, ages 55-59
e0thf60	Expected population count in 2010, total hispanic female, ages 60-64
e0thf65	Expected population count in 2010, total hispanic female, ages 65-69
e0thf70	Expected population count in 2010, total hispanic female, ages 70-74
e0thf75	Expected population count in 2010, total hispanic female, ages 75-79
e0thf80	Expected population count in 2010, total hispanic female, ages 80-84
e0thf85	Expected population count in 2010, total hispanic female, ages 85+
e0thm0	Expected population count in 2010, total hispanic male, ages 0-4
e0thm5	Expected population count in 2010, total hispanic male, ages 5-9
e0thm10	Expected population count in 2010, total hispanic male, ages 10-14
e0thm15	Expected population count in 2010, total hispanic male, ages 15-19
e0thm20	Expected population count in 2010, total hispanic male, ages 20-24
e0thm25	Expected population count in 2010, total hispanic male, ages 25-29
e0thm30	Expected population count in 2010, total hispanic male, ages 30-34
e0thm35	Expected population count in 2010, total hispanic male, ages 35-39
e0thm40	Expected population count in 2010, total hispanic male, ages 40-44
e0thm45	Expected population count in 2010, total hispanic male, ages 45-49
e0thm50	Expected population count in 2010, total hispanic male, ages 50-54
e0thm55	Expected population count in 2010, total hispanic male, ages 55-59
e0thm60	Expected population count in 2010, total hispanic male, ages 60-64
e0thm65	Expected population count in 2010, total hispanic male, ages 65-69
e0thm70	Expected population count in 2010, total hispanic male, ages 70-74
e0thm75	Expected population count in 2010, total hispanic male, ages 75-79
e0thm80	Expected population count in 2010, total hispanic male, ages 80-84
e0thm85	Expected population count in 2010, total hispanic male, ages 85+
e0wnf0	Expected population count in 2010, total non-hispanic male, ages 0-4
e0wnf5	Expected population count in 2010, white non-hispanic female, ages 5-9
e0wnf10	Expected population count in 2010, white non-hispanic female, ages 10-14
e0wnf15	Expected population count in 2010, white non-hispanic female, ages 15-19
e0wnf20	Expected population count in 2010, white non-hispanic female, ages 20-24
e0wnf25	Expected population count in 2010, white non-hispanic female, ages 25-29
e0wnf30	Expected population count in 2010, white non-hispanic female, ages 30-34
e0wnf35	Expected population count in 2010, white non-hispanic female, ages 35-39
e0wnf40	Expected population count in 2010, white non-hispanic female, ages 40-44
e0wnf45	Expected population count in 2010, white non-hispanic female, ages 45-49
e0wnf50	Expected population count in 2010, white non-hispanic female, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

e0wnf55	Expected population count in 2010, white non-hispanic female, ages 55-59
e0wnf60	Expected population count in 2010, white non-hispanic female, ages 60-64
e0wnf65	Expected population count in 2010, white non-hispanic female, ages 65-69
e0wnf70	Expected population count in 2010, white non-hispanic female, ages 70-74
e0wnf75	Expected population count in 2010, white non-hispanic female, ages 75-79
e0wnf80	Expected population count in 2010, white non-hispanic female, ages 80-84
e0wnf85	Expected population count in 2010, white non-hispanic female, ages 85+
e0wnm0	Expected population count in 2010, white non-hispanic male, ages 0-4
e0wnm5	Expected population count in 2010, white non-hispanic male, ages 5-9
e0wnm10	Expected population count in 2010, white non-hispanic male, ages 10-14
e0wnm15	Expected population count in 2010, white non-hispanic male, ages 15-19
e0wnm20	Expected population count in 2010, white non-hispanic male, ages 20-24
e0wnm25	Expected population count in 2010, white non-hispanic male, ages 25-29
e0wnm30	Expected population count in 2010, white non-hispanic male, ages 30-34
e0wnm35	Expected population count in 2010, white non-hispanic male, ages 35-39
e0wnm40	Expected population count in 2010, white non-hispanic male, ages 40-44
e0wnm45	Expected population count in 2010, white non-hispanic male, ages 45-49
e0wnm50	Expected population count in 2010, white non-hispanic male, ages 50-54
e0wnm55	Expected population count in 2010, white non-hispanic male, ages 55-59
e0wnm60	Expected population count in 2010, white non-hispanic male, ages 60-64
e0wnm65	Expected population count in 2010, white non-hispanic male, ages 65-69
e0wnm70	Expected population count in 2010, white non-hispanic male, ages 70-74
e0wnm75	Expected population count in 2010, white non-hispanic male, ages 75-79
e0wnm80	Expected population count in 2010, white non-hispanic male, ages 80-84
e0wnm85	Expected population count in 2010, white non-hispanic male, ages 85+
e0onf0	Expected population count in 2010, other non-hispanic female, ages 0-4
e0onf5	Expected population count in 2010, other non-hispanic female, ages 5-9
e0onf10	Expected population count in 2010, other non-hispanic female, ages 10-14
e0onf15	Expected population count in 2010, other non-hispanic female, ages 15-19
e0onf20	Expected population count in 2010, other non-hispanic female, ages 20-24
e0onf25	Expected population count in 2010, other non-hispanic female, ages 25-29
e0onf30	Expected population count in 2010, other non-hispanic female, ages 30-34
e0onf35	Expected population count in 2010, other non-hispanic female, ages 35-39
e0onf40	Expected population count in 2010, other non-hispanic female, ages 40-44
e0onf45	Expected population count in 2010, other non-hispanic female, ages 45-49
e0onf50	Expected population count in 2010, other non-hispanic female, ages 50-54
e0onf55	Expected population count in 2010, other non-hispanic female, ages 55-59
e0onf60	Expected population count in 2010, other non-hispanic female, ages 60-64
e0onf65	Expected population count in 2010, other non-hispanic female, ages 65-69
e0onf70	Expected population count in 2010, other non-hispanic female, ages 70-74
e0onf75	Expected population count in 2010, other non-hispanic female, ages 75-79
e0onf80	Expected population count in 2010, other non-hispanic female, ages 80-84
e0onf85	Expected population count in 2010, other non-hispanic female, ages 85+
e0onm0	Expected population count in 2010, other non-hispanic male, ages 0-4
e0onm5	Expected population count in 2010, other non-hispanic male, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

e0onm10	Expected population count in 2010, other non-hispanic male, ages 10-14
e0onm15	Expected population count in 2010, other non-hispanic male, ages 15-19
e0onm20	Expected population count in 2010, other non-hispanic male, ages 20-24
e0onm25	Expected population count in 2010, other non-hispanic male, ages 25-29
e0onm30	Expected population count in 2010, other non-hispanic male, ages 30-34
e0onm35	Expected population count in 2010, other non-hispanic male, ages 35-39
e0onm40	Expected population count in 2010, other non-hispanic male, ages 40-44
e0onm45	Expected population count in 2010, other non-hispanic male, ages 45-49
e0onm50	Expected population count in 2010, other non-hispanic male, ages 50-54
e0onm55	Expected population count in 2010, other non-hispanic male, ages 55-59
e0onm60	Expected population count in 2010, other non-hispanic male, ages 60-64
e0onm65	Expected population count in 2010, other non-hispanic male, ages 65-69
e0onm70	Expected population count in 2010, other non-hispanic male, ages 70-74
e0onm75	Expected population count in 2010, other non-hispanic male, ages 75-79
e0onm80	Expected population count in 2010, other non-hispanic male, ages 80-84
e0onm85	Expected population count in 2010, other non-hispanic male, ages 85+
e0bnt0	Expected population count in 2010, black non-hispanic total, ages 0-4
e0bnt5	Expected population count in 2010, black non-hispanic total, ages 5-9
e0bnt10	Expected population count in 2010, black non-hispanic total, ages 10-14
e0bnt15	Expected population count in 2010, black non-hispanic total, ages 15-19
e0bnt20	Expected population count in 2010, black non-hispanic total, ages 20-24
e0bnt25	Expected population count in 2010, black non-hispanic total, ages 25-29
e0bnt30	Expected population count in 2010, black non-hispanic total, ages 30-34
e0bnt35	Expected population count in 2010, black non-hispanic total, ages 35-39
e0bnt40	Expected population count in 2010, black non-hispanic total, ages 40-44
e0bnt45	Expected population count in 2010, black non-hispanic total, ages 45-49
e0bnt50	Expected population count in 2010, black non-hispanic total, ages 50-54
e0bnt55	Expected population count in 2010, black non-hispanic total, ages 55-59
e0bnt60	Expected population count in 2010, black non-hispanic total, ages 60-64
e0bnt65	Expected population count in 2010, black non-hispanic total, ages 65-69
e0bnt70	Expected population count in 2010, black non-hispanic total, ages 70-74
e0bnt75	Expected population count in 2010, black non-hispanic total, ages 75-79
e0bnt80	Expected population count in 2010, black non-hispanic total, ages 80-84
e0bnt85	Expected population count in 2010, black non-hispanic total, ages 85+
e0wnt0	Expected population count in 2010, white non-hispanic total, ages 0-4
e0wnt5	Expected population count in 2010, white non-hispanic total, ages 5-9
e0wnt10	Expected population count in 2010, white non-hispanic total, ages 10-14
e0wnt15	Expected population count in 2010, white non-hispanic total, ages 15-19
e0wnt20	Expected population count in 2010, white non-hispanic total, ages 20-24
e0wnt25	Expected population count in 2010, white non-hispanic total, ages 25-29
e0wnt30	Expected population count in 2010, white non-hispanic total, ages 30-34
e0wnt35	Expected population count in 2010, white non-hispanic total, ages 35-39
e0wnt40	Expected population count in 2010, white non-hispanic total, ages 40-44
e0wnt45	Expected population count in 2010, white non-hispanic total, ages 45-49
e0wnt50	Expected population count in 2010, white non-hispanic total, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

e0wnt55	Expected population count in 2010, white non-hispanic total, ages 55-59
e0wnt60	Expected population count in 2010, white non-hispanic total, ages 60-64
e0wnt65	Expected population count in 2010, white non-hispanic total, ages 65-69
e0wnt70	Expected population count in 2010, white non-hispanic total, ages 70-74
e0wnt75	Expected population count in 2010, white non-hispanic total, ages 75-79
e0wnt80	Expected population count in 2010, white non-hispanic total, ages 80-84
e0wnt85	Expected population count in 2010, white non-hispanic total, ages 85+
e0ont0	Expected population count in 2010, other non-hispanic total, ages 0-4
e0ont5	Expected population count in 2010, other non-hispanic total, ages 5-9
e0ont10	Expected population count in 2010, other non-hispanic total, ages 10-14
e0ont15	Expected population count in 2010, other non-hispanic total, ages 15-19
e0ont20	Expected population count in 2010, other non-hispanic total, ages 20-24
e0ont25	Expected population count in 2010, other non-hispanic total, ages 25-29
e0ont30	Expected population count in 2010, other non-hispanic total, ages 30-34
e0ont35	Expected population count in 2010, other non-hispanic total, ages 35-39
e0ont40	Expected population count in 2010, other non-hispanic total, ages 40-44
e0ont45	Expected population count in 2010, other non-hispanic total, ages 45-49
e0ont50	Expected population count in 2010, other non-hispanic total, ages 50-54
e0ont55	Expected population count in 2010, other non-hispanic total, ages 55-59
e0ont60	Expected population count in 2010, other non-hispanic total, ages 60-64
e0ont65	Expected population count in 2010, other non-hispanic total, ages 65-69
e0ont70	Expected population count in 2010, other non-hispanic total, ages 70-74
e0ont75	Expected population count in 2010, other non-hispanic total, ages 75-79
e0ont80	Expected population count in 2010, other non-hispanic total, ages 80-84
e0ont85	Expected population count in 2010, other non-hispanic total, ages 85+
e0tht0	Expected population count in 2010, total hispanic, ages 0-4
e0tht5	Expected population count in 2010, total hispanic, ages 5-9
e0tht10	Expected population count in 2010, total hispanic, ages 10-14
e0tht15	Expected population count in 2010, total hispanic, ages 15-19
e0tht20	Expected population count in 2010, total hispanic, ages 20-24
e0tht25	Expected population count in 2010, total hispanic, ages 25-29
e0tht30	Expected population count in 2010, total hispanic, ages 30-34
e0tht35	Expected population count in 2010, total hispanic, ages 35-39
e0tht40	Expected population count in 2010, total hispanic, ages 40-44
e0tht45	Expected population count in 2010, total hispanic, ages 45-49
e0tht50	Expected population count in 2010, total hispanic, ages 50-54
e0tht55	Expected population count in 2010, total hispanic, ages 55-59
e0tht60	Expected population count in 2010, total hispanic, ages 60-64
e0tht65	Expected population count in 2010, total hispanic, ages 65-69
e0tht70	Expected population count in 2010, total hispanic, ages 70-74
e0tht75	Expected population count in 2010, total hispanic, ages 75-79
e0tht80	Expected population count in 2010, total hispanic, ages 80-84
e0tht85	Expected population count in 2010, total hispanic, ages 85+
e0ttf0	Expected population count in 2010, total female, ages 0-4
e0ttf5	Expected population count in 2010, total female, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

e0ttf10	Expected population count in 2010, total female, ages 10-14
e0ttf15	Expected population count in 2010, total female, ages 15-19
e0ttf20	Expected population count in 2010, total female, ages 20-24
e0ttf25	Expected population count in 2010, total female, ages 25-29
e0ttf30	Expected population count in 2010, total female, ages 30-34
e0ttf35	Expected population count in 2010, total female, ages 35-39
e0ttf40	Expected population count in 2010, total female, ages 40-44
e0ttf45	Expected population count in 2010, total female, ages 45-49
e0ttf50	Expected population count in 2010, total female, ages 50-54
e0ttf55	Expected population count in 2010, total female, ages 55-59
e0ttf60	Expected population count in 2010, total female, ages 60-64
e0ttf65	Expected population count in 2010, total female, ages 65-69
e0ttf70	Expected population count in 2010, total female, ages 70-74
e0ttf75	Expected population count in 2010, total female, ages 75-79
e0ttf80	Expected population count in 2010, total female, ages 80-84
e0ttf85	Expected population count in 2010, total female, ages 85+
e0ttm0	Expected population count in 2010, total male, ages 0-4
e0ttm5	Expected population count in 2010, total male, ages 5-9
e0ttm10	Expected population count in 2010, total male, ages 10-14
e0ttm15	Expected population count in 2010, total male, ages 15-19
e0ttm20	Expected population count in 2010, total male, ages 20-24
e0ttm25	Expected population count in 2010, total male, ages 25-29
e0ttm30	Expected population count in 2010, total male, ages 30-34
e0ttm35	Expected population count in 2010, total male, ages 35-39
e0ttm40	Expected population count in 2010, total male, ages 40-44
e0ttm45	Expected population count in 2010, total male, ages 45-49
e0ttm50	Expected population count in 2010, total male, ages 50-54
e0ttm55	Expected population count in 2010, total male, ages 55-59
e0ttm60	Expected population count in 2010, total male, ages 60-64
e0ttm65	Expected population count in 2010, total male, ages 65-69
e0ttm70	Expected population count in 2010, total male, ages 70-74
e0ttm75	Expected population count in 2010, total male, ages 75-79
e0ttm80	Expected population count in 2010, total male, ages 80-84
e0ttm85	Expected population count in 2010, total male, ages 85+
e0ttt0	Expected population count in 2010, total, ages 0-4
e0ttt5	Expected population count in 2010, total, ages 5-9
e0ttt10	Expected population count in 2010, total, ages 10-14
e0ttt15	Expected population count in 2010, total, ages 15-19
e0ttt20	Expected population count in 2010, total, ages 20-24
e0ttt25	Expected population count in 2010, total, ages 25-29
e0ttt30	Expected population count in 2010, total, ages 30-34
e0ttt35	Expected population count in 2010, total, ages 35-39
e0ttt40	Expected population count in 2010, total, ages 40-44
e0ttt45	Expected population count in 2010, total, ages 45-49
e0ttt50	Expected population count in 2010, total, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

e0ttt55	Expected population count in 2010, total, ages 55-59
e0ttt60	Expected population count in 2010, total, ages 60-64
e0ttt65	Expected population count in 2010, total, ages 65-69
e0ttt70	Expected population count in 2010, total, ages 70-74
e0ttt75	Expected population count in 2010, total, ages 75-79
e0ttt80	Expected population count in 2010, total, ages 80-84
e0ttt85	Expected population count in 2010, total, ages 85+
f0bnf0	Final population count in 2010, black non-hispanic female, ages 0-4
f0bnf5	Final population count in 2010, black non-hispanic female, ages 5-9
f0bnf10	Final population count in 2010, black non-hispanic female, ages 10-14
f0bnf15	Final population count in 2010, black non-hispanic female, ages 15-19
f0bnf20	Final population count in 2010, black non-hispanic female, ages 20-24
f0bnf25	Final population count in 2010, black non-hispanic female, ages 25-29
f0bnf30	Final population count in 2010, black non-hispanic female, ages 30-34
f0bnf35	Final population count in 2010, black non-hispanic female, ages 35-39
f0bnf40	Final population count in 2010, black non-hispanic female, ages 40-44
f0bnf45	Final population count in 2010, black non-hispanic female, ages 45-49
f0bnf50	Final population count in 2010, black non-hispanic female, ages 50-54
f0bnf55	Final population count in 2010, black non-hispanic female, ages 55-59
f0bnf60	Final population count in 2010, black non-hispanic female, ages 60-64
f0bnf65	Final population count in 2010, black non-hispanic female, ages 65-69
f0bnf70	Final population count in 2010, black non-hispanic female, ages 70-74
f0bnf75	Final population count in 2010, black non-hispanic female, ages 75-79
f0bnf80	Final population count in 2010, black non-hispanic female, ages 80-84
f0bnf85	Final population count in 2010, black non-hispanic female, ages 85+
f0bnm0	Final population count in 2010, black non-hispanic male, ages 0-4
f0bnm5	Final population count in 2010, black non-hispanic male, ages 5-9
f0bnm10	Final population count in 2010, black non-hispanic male, ages 10-14
f0bnm15	Final population count in 2010, black non-hispanic male, ages 15-19
f0bnm20	Final population count in 2010, black non-hispanic male, ages 20-24
f0bnm25	Final population count in 2010, black non-hispanic male, ages 25-29
f0bnm30	Final population count in 2010, black non-hispanic male, ages 30-34
f0bnm35	Final population count in 2010, black non-hispanic male, ages 35-39
f0bnm40	Final population count in 2010, black non-hispanic male, ages 40-44
f0bnm45	Final population count in 2010, black non-hispanic male, ages 45-49
f0bnm50	Final population count in 2010, black non-hispanic male, ages 50-54
f0bnm55	Final population count in 2010, black non-hispanic male, ages 55-59
f0bnm60	Final population count in 2010, black non-hispanic male, ages 60-64
f0bnm65	Final population count in 2010, black non-hispanic male, ages 65-69
f0bnm70	Final population count in 2010, black non-hispanic male, ages 70-74
f0bnm75	Final population count in 2010, black non-hispanic male, ages 75-79
f0bnm80	Final population count in 2010, black non-hispanic male, ages 80-84
f0bnm85	Final population count in 2010, black non-hispanic male, ages 85+
f0thf0	Final population count in 2010, total hispanic female, ages 0-4
f0thf5	Final population count in 2010, total hispanic female, ages 4-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

f0thf10	Final population count in 2010, total hispanic female, ages 10-14
f0thf15	Final population count in 2010, total hispanic female, ages 15-19
f0thf20	Final population count in 2010, total hispanic female, ages 20-24
f0thf25	Final population count in 2010, total hispanic female, ages 25-29
f0thf30	Final population count in 2010, total hispanic female, ages 30-34
f0thf35	Final population count in 2010, total hispanic female, ages 35-39
f0thf40	Final population count in 2010, total hispanic female, ages 40-44
f0thf45	Final population count in 2010, total hispanic female, ages 45-49
f0thf50	Final population count in 2010, total hispanic female, ages 50-54
f0thf55	Final population count in 2010, total hispanic female, ages 55-59
f0thf60	Final population count in 2010, total hispanic female, ages 60-64
f0thf65	Final population count in 2010, total hispanic female, ages 65-69
f0thf70	Final population count in 2010, total hispanic female, ages 70-74
f0thf75	Final population count in 2010, total hispanic female, ages 75-79
f0thf80	Final population count in 2010, total hispanic female, ages 80-84
f0thf85	Final population count in 2010, total hispanic female, ages 85+
f0thm0	Final population count in 2010, total hispanic male, ages 0-4
f0thm5	Final population count in 2010, total hispanic male, ages 5-9
f0thm10	Final population count in 2010, total hispanic male, ages 10-14
f0thm15	Final population count in 2010, total hispanic male, ages 15-19
f0thm20	Final population count in 2010, total hispanic male, ages 20-24
f0thm25	Final population count in 2010, total hispanic male, ages 25-29
f0thm30	Final population count in 2010, total hispanic male, ages 30-34
f0thm35	Final population count in 2010, total hispanic male, ages 35-39
f0thm40	Final population count in 2010, total hispanic male, ages 40-44
f0thm45	Final population count in 2010, total hispanic male, ages 45-49
f0thm50	Final population count in 2010, total hispanic male, ages 50-54
f0thm55	Final population count in 2010, total hispanic male, ages 55-59
f0thm60	Final population count in 2010, total hispanic male, ages 60-64
f0thm65	Final population count in 2010, total hispanic male, ages 65-69
f0thm70	Final population count in 2010, total hispanic male, ages 70-74
f0thm75	Final population count in 2010, total hispanic male, ages 75-79
f0thm80	Final population count in 2010, total hispanic male, ages 80-84
f0thm85	Final population count in 2010, total hispanic male, ages 85+
f0wnf0	Final population count in 2010, white non-hispanic female, ages 0-4
f0wnf5	Final population count in 2010, white non-hispanic female, ages 5-9
f0wnf10	Final population count in 2010, white non-hispanic female, ages 10-14
f0wnf15	Final population count in 2010, white non-hispanic female, ages 15-19
f0wnf20	Final population count in 2010, white non-hispanic female, ages 20-24
f0wnf25	Final population count in 2010, white non-hispanic female, ages 25-29
f0wnf30	Final population count in 2010, white non-hispanic female, ages 30-34
f0wnf35	Final population count in 2010, white non-hispanic female, ages 35-39
f0wnf40	Final population count in 2010, white non-hispanic female, ages 40-44
f0wnf45	Final population count in 2010, white non-hispanic female, ages 45-49
f0wnf50	Final population count in 2010, white non-hispanic female, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

f0wnf55	Final population count in 2010, white non-hispanic female, ages 55-59
f0wnf60	Final population count in 2010, white non-hispanic female, ages 60-64
f0wnf65	Final population count in 2010, white non-hispanic female, ages 65-69
f0wnf70	Final population count in 2010, white non-hispanic female, ages 70-74
f0wnf75	Final population count in 2010, white non-hispanic female, ages 75-79
f0wnf80	Final population count in 2010, white non-hispanic female, ages 80-84
f0wnf85	Final population count in 2010, white non-hispanic female, ages 85+
f0wnm0	Final population count in 2010, white non-hispanic male, ages 0-4
f0wnm5	Final population count in 2010, white non-hispanic male, ages 5-9
f0wnm10	Final population count in 2010, white non-hispanic male, ages 10-14
f0wnm15	Final population count in 2010, white non-hispanic male, ages 15-19
f0wnm20	Final population count in 2010, white non-hispanic male, ages 20-24
f0wnm25	Final population count in 2010, white non-hispanic male, ages 25-29
f0wnm30	Final population count in 2010, white non-hispanic male, ages 30-34
f0wnm35	Final population count in 2010, white non-hispanic male, ages 35-39
f0wnm40	Final population count in 2010, white non-hispanic male, ages 40-44
f0wnm45	Final population count in 2010, white non-hispanic male, ages 45-49
f0wnm50	Final population count in 2010, white non-hispanic male, ages 50-54
f0wnm55	Final population count in 2010, white non-hispanic male, ages 55-59
f0wnm60	Final population count in 2010, white non-hispanic male, ages 60-64
f0wnm65	Final population count in 2010, white non-hispanic male, ages 65-69
f0wnm70	Final population count in 2010, white non-hispanic male, ages 70-74
f0wnm75	Final population count in 2010, white non-hispanic male, ages 75-79
f0wnm80	Final population count in 2010, white non-hispanic male, ages 80-84
f0wnm85	Final population count in 2010, white non-hispanic male, ages 85+
f0onf0	Final population count in 2010, other non-hispanic female, ages 0-4
f0onf5	Final population count in 2010, other non-hispanic female, ages 5-9
f0onf10	Final population count in 2010, other non-hispanic female, ages 10-14
f0onf15	Final population count in 2010, other non-hispanic female, ages 15-19
f0onf20	Final population count in 2010, other non-hispanic female, ages 20-24
f0onf25	Final population count in 2010, other non-hispanic female, ages 25-29
f0onf30	Final population count in 2010, other non-hispanic female, ages 30-34
f0onf35	Final population count in 2010, other non-hispanic female, ages 35-39
f0onf40	Final population count in 2010, other non-hispanic female, ages 40-44
f0onf45	Final population count in 2010, other non-hispanic female, ages 45-49
f0onf50	Final population count in 2010, other non-hispanic female, ages 50-54
f0onf55	Final population count in 2010, other non-hispanic female, ages 55-59
f0onf60	Final population count in 2010, other non-hispanic female, ages 60-64
f0onf65	Final population count in 2010, other non-hispanic female, ages 65-69
f0onf70	Final population count in 2010, other non-hispanic female, ages 70-74
f0onf75	Final population count in 2010, other non-hispanic female, ages 75-79
f0onf80	Final population count in 2010, other non-hispanic female, ages 80-84
f0onf85	Final population count in 2010, other non-hispanic female, ages 85+
f0onm0	Final population count in 2010, other non-hispanic male, ages 0-4
f0onm5	Final population count in 2010, other non-hispanic male, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

f0onm10	Final population count in 2010, other non-hispanic male, ages 10-14
f0onm15	Final population count in 2010, other non-hispanic male, ages 15-19
f0onm20	Final population count in 2010, other non-hispanic male, ages 20-24
f0onm25	Final population count in 2010, other non-hispanic male, ages 25-29
f0onm30	Final population count in 2010, other non-hispanic male, ages 30-34
f0onm35	Final population count in 2010, other non-hispanic male, ages 35-39
f0onm40	Final population count in 2010, other non-hispanic male, ages 40-44
f0onm45	Final population count in 2010, other non-hispanic male, ages 45-49
f0onm50	Final population count in 2010, other non-hispanic male, ages 50-54
f0onm55	Final population count in 2010, other non-hispanic male, ages 55-59
f0onm60	Final population count in 2010, other non-hispanic male, ages 60-64
f0onm65	Final population count in 2010, other non-hispanic male, ages 65-69
f0onm70	Final population count in 2010, other non-hispanic male, ages 70-74
f0onm75	Final population count in 2010, other non-hispanic male, ages 75-79
f0onm80	Final population count in 2010, other non-hispanic male, ages 80-84
f0onm85	Final population count in 2010, other non-hispanic male, ages 85+
f0bnt0	Final population count in 2010, black non-hispanic total, ages 0-4
f0bnt5	Final population count in 2010, black non-hispanic total, ages 5-9
f0bnt10	Final population count in 2010, black non-hispanic total, ages 10-14
f0bnt15	Final population count in 2010, black non-hispanic total, ages 15-19
f0bnt20	Final population count in 2010, black non-hispanic total, ages 20-24
f0bnt25	Final population count in 2010, black non-hispanic total, ages 25-29
f0bnt30	Final population count in 2010, black non-hispanic total, ages 30-34
f0bnt35	Final population count in 2010, black non-hispanic total, ages 35-39
f0bnt40	Final population count in 2010, black non-hispanic total, ages 40-44
f0bnt45	Final population count in 2010, black non-hispanic total, ages 45-49
f0bnt50	Final population count in 2010, black non-hispanic total, ages 50-54
f0bnt55	Final population count in 2010, black non-hispanic total, ages 55-59
f0bnt60	Final population count in 2010, black non-hispanic total, ages 60-64
f0bnt65	Final population count in 2010, black non-hispanic total, ages 65-69
f0bnt70	Final population count in 2010, black non-hispanic total, ages 70-74
f0bnt75	Final population count in 2010, black non-hispanic total, ages 75-79
f0bnt80	Final population count in 2010, black non-hispanic total, ages 80-84
f0bnt85	Final population count in 2010, black non-hispanic total, ages 85+
f0wnt0	Final population count in 2010, white non-hispanic total, ages 0-4
f0wnt5	Final population count in 2010, white non-hispanic total, ages 5-9
f0wnt10	Final population count in 2010, white non-hispanic total, ages 10-14
f0wnt15	Final population count in 2010, white non-hispanic total, ages 15-19
f0wnt20	Final population count in 2010, white non-hispanic total, ages 20-24
f0wnt25	Final population count in 2010, white non-hispanic total, ages 25-29
f0wnt30	Final population count in 2010, white non-hispanic total, ages 30-34
f0wnt35	Final population count in 2010, white non-hispanic total, ages 35-39
f0wnt40	Final population count in 2010, white non-hispanic total, ages 40-44
f0wnt45	Final population count in 2010, white non-hispanic total, ages 45-49
f0wnt50	Final population count in 2010, white non-hispanic total, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

f0wnt55	Final population count in 2010, white non-hispanic total, ages 55-59
f0wnt60	Final population count in 2010, white non-hispanic total, ages 60-64
f0wnt65	Final population count in 2010, white non-hispanic total, ages 65-69
f0wnt70	Final population count in 2010, white non-hispanic total, ages 70-74
f0wnt75	Final population count in 2010, white non-hispanic total, ages 75-79
f0wnt80	Final population count in 2010, white non-hispanic total, ages 80-84
f0wnt85	Final population count in 2010, white non-hispanic total, ages 85+
f0ont0	Final population count in 2010, other non-hispanic total, ages 0-4
f0ont5	Final population count in 2010, other non-hispanic total, ages 5-9
f0ont10	Final population count in 2010, other non-hispanic total, ages 10-14
f0ont15	Final population count in 2010, other non-hispanic total, ages 15-19
f0ont20	Final population count in 2010, other non-hispanic total, ages 20-24
f0ont25	Final population count in 2010, other non-hispanic total, ages 25-29
f0ont30	Final population count in 2010, other non-hispanic total, ages 30-34
f0ont35	Final population count in 2010, other non-hispanic total, ages 35-39
f0ont40	Final population count in 2010, other non-hispanic total, ages 40-44
f0ont45	Final population count in 2010, other non-hispanic total, ages 45-49
f0ont50	Final population count in 2010, other non-hispanic total, ages 50-54
f0ont55	Final population count in 2010, other non-hispanic total, ages 55-59
f0ont60	Final population count in 2010, other non-hispanic total, ages 60-64
f0ont65	Final population count in 2010, other non-hispanic total, ages 65-69
f0ont70	Final population count in 2010, other non-hispanic total, ages 70-74
f0ont75	Final population count in 2010, other non-hispanic total, ages 75-79
f0ont80	Final population count in 2010, other non-hispanic total, ages 80-84
f0ont85	Final population count in 2010, other non-hispanic total, ages 85+
f0tht0	Final population count in 2010, total hispanic, ages 0-4
f0tht5	Final population count in 2010, total hispanic, ages 5-9
f0tht10	Final population count in 2010, total hispanic, ages 10-14
f0tht15	Final population count in 2010, total hispanic, ages 15-19
f0tht20	Final population count in 2010, total hispanic, ages 20-24
f0tht25	Final population count in 2010, total hispanic, ages 25-29
f0tht30	Final population count in 2010, total hispanic, ages 30-34
f0tht35	Final population count in 2010, total hispanic, ages 35-39
f0tht40	Final population count in 2010, total hispanic, ages 40-44
f0tht45	Final population count in 2010, total hispanic, ages 45-49
f0tht50	Final population count in 2010, total hispanic, ages 50-54
f0tht55	Final population count in 2010, total hispanic, ages 55-59
f0tht60	Final population count in 2010, total hispanic, ages 60-64
f0tht65	Final population count in 2010, total hispanic, ages 65-69
f0tht70	Final population count in 2010, total hispanic, ages 70-74
f0tht75	Final population count in 2010, total hispanic, ages 75-79
f0tht80	Final population count in 2010, total hispanic, ages 80-84
f0tht85	Final population count in 2010, total hispanic, ages 85+
f0ttf0	Final population count in 2010, total female, ages 0-4
f0ttf5	Final population count in 2010, total female, ages 5-9

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

f0ttf10	Final population count in 2010, total female, ages 10-14
f0ttf15	Final population count in 2010, total female, ages 15-19
f0ttf20	Final population count in 2010, total female, ages 20-24
f0ttf25	Final population count in 2010, total female, ages 25-29
f0ttf30	Final population count in 2010, total female, ages 30-34
f0ttf35	Final population count in 2010, total female, ages 35-39
f0ttf40	Final population count in 2010, total female, ages 40-44
f0ttf45	Final population count in 2010, total female, ages 45-49
f0ttf50	Final population count in 2010, total female, ages 50-54
f0ttf55	Final population count in 2010, total female, ages 55-59
f0ttf60	Final population count in 2010, total female, ages 60-64
f0ttf65	Final population count in 2010, total female, ages 65-69
f0ttf70	Final population count in 2010, total female, ages 70-74
f0ttf75	Final population count in 2010, total female, ages 75-79
f0ttf80	Final population count in 2010, total female, ages 80-84
f0ttf85	Final population count in 2010, total female, ages 85+
f0ttm0	Final population count in 2010, total male, ages 0-4
f0ttm5	Final population count in 2010, total male, ages 5-9
f0ttm10	Final population count in 2010, total male, ages 10-14
f0ttm15	Final population count in 2010, total male, ages 15-19
f0ttm20	Final population count in 2010, total male, ages 20-24
f0ttm25	Final population count in 2010, total male, ages 25-29
f0ttm30	Final population count in 2010, total male, ages 30-34
f0ttm35	Final population count in 2010, total male, ages 35-39
f0ttm40	Final population count in 2010, total male, ages 40-44
f0ttm45	Final population count in 2010, total male, ages 45-49
f0ttm50	Final population count in 2010, total male, ages 50-54
f0ttm55	Final population count in 2010, total male, ages 55-59
f0ttm60	Final population count in 2010, total male, ages 60-64
f0ttm65	Final population count in 2010, total male, ages 65-69
f0ttm70	Final population count in 2010, total male, ages 70-74
f0ttm75	Final population count in 2010, total male, ages 75-79
f0ttm80	Final population count in 2010, total male, ages 80-84
f0ttm85	Final population count in 2010, total male, ages 85+
f0ttt0	Final population count in 2010, total, ages 0-4
f0ttt5	Final population count in 2010, total, ages 5-9
f0ttt10	Final population count in 2010, total, ages 10-14
f0ttt15	Final population count in 2010, total, ages 15-19
f0ttt20	Final population count in 2010, total, ages 20-24
f0ttt25	Final population count in 2010, total, ages 25-29
f0ttt30	Final population count in 2010, total, ages 30-34
f0ttt35	Final population count in 2010, total, ages 35-39
f0ttt40	Final population count in 2010, total, ages 40-44
f0ttt45	Final population count in 2010, total, ages 45-49
f0ttt50	Final population count in 2010, total, ages 50-54

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

f0ttt55	Final population count in 2010, total, ages 55-59
f0ttt60	Final population count in 2010, total, ages 60-64
f0ttt65	Final population count in 2010, total, ages 65-69
f0ttt70	Final population count in 2010, total, ages 70-74
f0ttt75	Final population count in 2010, total, ages 75-79
f0ttt80	Final population count in 2010, total, ages 80-84
f0ttt85	Final population count in 2010, total, ages 85+
fips2	
fips_integer	
p0bnf0	Starting population count in 2000, black non-hispanic female, ages 0-4
p0bnf5	Starting population count in 2000, black non-hispanic female, ages 5-9
p0bnf10	Starting population count in 2000, black non-hispanic female, ages 10-14
p0bnf15	Starting population count in 2000, black non-hispanic female, ages 15-19
p0bnf20	Starting population count in 2000, black non-hispanic female, ages 20-24
p0bnf25	Starting population count in 2000, black non-hispanic female, ages 25-29
p0bnf30	Starting population count in 2000, black non-hispanic female, ages 30-34
p0bnf35	Starting population count in 2000, black non-hispanic female, ages 35-39
p0bnf40	Starting population count in 2000, black non-hispanic female, ages 40-44
p0bnf45	Starting population count in 2000, black non-hispanic female, ages 45-49
p0bnf50	Starting population count in 2000, black non-hispanic female, ages 50-54
p0bnf55	Starting population count in 2000, black non-hispanic female, ages 55-59
p0bnf60	Starting population count in 2000, black non-hispanic female, ages 60-64
p0bnf65	Starting population count in 2000, black non-hispanic female, ages 65-69
p0bnf70	Starting population count in 2000, black non-hispanic female, ages 70-74
p0bnf75	Starting population count in 2000, black non-hispanic female, ages 75-79
p0bnf80	Starting population count in 2000, black non-hispanic female, ages 80-84
p0bnf85	Starting population count in 2000, black non-hispanic female, ages 85+
p0bnm0	Starting population count in 2000, black non-hispanic male, ages 0-4
p0bnm5	Starting population count in 2000, black non-hispanic male, ages 5-9
p0bnm10	Starting population count in 2000, black non-hispanic male, ages 10-14
p0bnm15	Starting population count in 2000, black non-hispanic male, ages 15-19
p0bnm20	Starting population count in 2000, black non-hispanic male, ages 20-24
p0bnm25	Starting population count in 2000, black non-hispanic male, ages 25-29
p0bnm30	Starting population count in 2000, black non-hispanic male, ages 30-34
p0bnm35	Starting population count in 2000, black non-hispanic male, ages 35-39
p0bnm40	Starting population count in 2000, black non-hispanic male, ages 40-44
p0bnm45	Starting population count in 2000, black non-hispanic male, ages 45-49
p0bnm50	Starting population count in 2000, black non-hispanic male, ages 50-54
p0bnm55	Starting population count in 2000, black non-hispanic male, ages 55-59
p0bnm60	Starting population count in 2000, black non-hispanic male, ages 60-64
p0bnm65	Starting population count in 2000, black non-hispanic male, ages 65-69
p0bnm70	Starting population count in 2000, black non-hispanic male, ages 70-74
p0bnm75	Starting population count in 2000, black non-hispanic male, ages 75-79
p0bnm80	Starting population count in 2000, black non-hispanic male, ages 80-84
p0bnm85	Starting population count in 2000, black non-hispanic male, ages 85+

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

p0bnt0	Starting population count in 2000, black non-hispanic total, ages 0-4
p0bnt5	Starting population count in 2000, black non-hispanic total, ages 5-9
p0bnt10	Starting population count in 2000, black non-hispanic total, ages 10-14
p0bnt15	Starting population count in 2000, black non-hispanic total, ages 15-19
p0bnt20	Starting population count in 2000, black non-hispanic total, ages 20-24
p0bnt25	Starting population count in 2000, black non-hispanic total, ages 25-29
p0bnt30	Starting population count in 2000, black non-hispanic total, ages 30-34
p0bnt35	Starting population count in 2000, black non-hispanic total, ages 34-39
p0bnt40	Starting population count in 2000, black non-hispanic total, ages 40-44
p0bnt45	Starting population count in 2000, black non-hispanic total, ages 45-49
p0bnt50	Starting population count in 2000, black non-hispanic total, ages 50-54
p0bnt55	Starting population count in 2000, black non-hispanic total, ages 55-59
p0bnt60	Starting population count in 2000, black non-hispanic total, ages 60-64
p0bnt65	Starting population count in 2000, black non-hispanic total, ages 65-69
p0bnt70	Starting population count in 2000, black non-hispanic total, ages 70-74
p0bnt75	Starting population count in 2000, black non-hispanic total, ages 75-79
p0bnt80	Starting population count in 2000, black non-hispanic total, ages 80-84
p0bnt85	Starting population count in 2000, black non-hispanic total, ages 85+
p0onf0	Starting population count in 2000, other non-hispanic female, ages 0-4
p0onf5	Starting population count in 2000, other non-hispanic female, ages 5-9
p0onf10	Starting population count in 2000, other non-hispanic female, ages 10-14
p0onf15	Starting population count in 2000, other non-hispanic female, ages 15-19
p0onf20	Starting population count in 2000, other non-hispanic female, ages 20-24
p0onf25	Starting population count in 2000, other non-hispanic female, ages 25-29
p0onf30	Starting population count in 2000, other non-hispanic female, ages 30-34
p0onf35	Starting population count in 2000, other non-hispanic female, ages 35-39
p0onf40	Starting population count in 2000, other non-hispanic female, ages 40-44
p0onf45	Starting population count in 2000, other non-hispanic female, ages 45-49
p0onf50	Starting population count in 2000, other non-hispanic female, ages 50-54
p0onf55	Starting population count in 2000, other non-hispanic female, ages 55-59
p0onf60	Starting population count in 2000, other non-hispanic female, ages 60-64
p0onf65	Starting population count in 2000, other non-hispanic female, ages 65-69
p0onf70	Starting population count in 2000, other non-hispanic female, ages 70-74
p0onf75	Starting population count in 2000, other non-hispanic female, ages 75-79
p0onf80	Starting population count in 2000, other non-hispanic female, ages 80-84
p0onf85	Starting population count in 2000, other non-hispanic female, ages 85+
p0onm0	Starting population count in 2000, other non-hispanic male, ages 0-4
p0onm5	Starting population count in 2000, other non-hispanic male, ages 5-9
p0onm10	Starting population count in 2000, other non-hispanic male, ages 10-14
p0onm15	Starting population count in 2000, other non-hispanic male, ages 15-19
p0onm20	Starting population count in 2000, other non-hispanic male, ages 20-24
p0onm25	Starting population count in 2000, other non-hispanic male, ages 25-29
p0onm30	Starting population count in 2000, other non-hispanic male, ages 30-34
p0onm35	Starting population count in 2000, other non-hispanic male, ages 35-39
p0onm40	Starting population count in 2000, other non-hispanic male, ages 40-44

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

p0onm45	Starting population count in 2000, other non-hispanic male, ages 45-49
p0onm50	Starting population count in 2000, other non-hispanic male, ages 50-54
p0onm55	Starting population count in 2000, other non-hispanic male, ages 55-59
p0onm60	Starting population count in 2000, other non-hispanic male, ages 60-64
p0onm65	Starting population count in 2000, other non-hispanic male, ages 65-69
p0onm70	Starting population count in 2000, other non-hispanic male, ages 70-74
p0onm75	Starting population count in 2000, other non-hispanic male, ages 75-79
p0onm80	Starting population count in 2000, other non-hispanic male, ages 80-84
p0onm85	Starting population count in 2000, other non-hispanic male, ages 85+
p0ont0	Starting population count in 2000, other non-hispanic total, ages 0-4
p0ont5	Starting population count in 2000, other non-hispanic total, ages 5-9
p0ont10	Starting population count in 2000, other non-hispanic total, ages 10-14
p0ont15	Starting population count in 2000, other non-hispanic total, ages 15-19
p0ont20	Starting population count in 2000, other non-hispanic total, ages 20-24
p0ont25	Starting population count in 2000, other non-hispanic total, ages 25-29
p0ont30	Starting population count in 2000, other non-hispanic total, ages 30-34
p0ont35	Starting population count in 2000, other non-hispanic total, ages 35-39
p0ont40	Starting population count in 2000, other non-hispanic total, ages 40-44
p0ont45	Starting population count in 2000, other non-hispanic total, ages 45-49
p0ont50	Starting population count in 2000, other non-hispanic total, ages 50-54
p0ont55	Starting population count in 2000, other non-hispanic total, ages 55-59
p0ont60	Starting population count in 2000, other non-hispanic total, ages 60-64
p0ont65	Starting population count in 2000, other non-hispanic total, ages 65-69
p0ont70	Starting population count in 2000, other non-hispanic total, ages 70-74
p0ont75	Starting population count in 2000, other non-hispanic total, ages 75-79
p0ont80	Starting population count in 2000, other non-hispanic total, ages 80-84
p0ont85	Starting population count in 2000, other non-hispanic total, ages 85+
p0thf0	Starting population count in 2000, total hispanic female, ages 0-4
p0thf5	Starting population count in 2000, total hispanic female, ages 5-9
p0thf10	Starting population count in 2000, total hispanic female, ages 10-14
p0thf15	Starting population count in 2000, total hispanic female, ages 15-19
p0thf20	Starting population count in 2000, total hispanic female, ages 20-24
p0thf25	Starting population count in 2000, total hispanic female, ages 25-29
p0thf30	Starting population count in 2000, total hispanic female, ages 30-34
p0thf35	Starting population count in 2000, total hispanic female, ages 35-39
p0thf40	Starting population count in 2000, total hispanic female, ages 40-44
p0thf45	Starting population count in 2000, total hispanic female, ages 45-49
p0thf50	Starting population count in 2000, total hispanic female, ages 50-54
p0thf55	Starting population count in 2000, total hispanic female, ages 55-59
p0thf60	Starting population count in 2000, total hispanic female, ages 60-64
p0thf65	Starting population count in 2000, total hispanic female, ages 65-69
p0thf70	Starting population count in 2000, total hispanic female, ages 70-74
p0thf75	Starting population count in 2000, total hispanic female, ages 75-79
p0thf80	Starting population count in 2000, total hispanic female, ages 80-84
p0thf85	Starting population count in 2000, total hispanic female, ages 85+

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

p0thm0	Starting population count in 2000, total hispanic male, ages 0-4
p0thm5	Starting population count in 2000, total hispanic male, ages 5-9
p0thm10	Starting population count in 2000, total hispanic male, ages 10-14
p0thm15	Starting population count in 2000, total hispanic male, ages 15-19
p0thm20	Starting population count in 2000, total hispanic male, ages 20-24
p0thm25	Starting population count in 2000, total hispanic male, ages 25-29
p0thm30	Starting population count in 2000, total hispanic male, ages 30-34
p0thm35	Starting population count in 2000, total hispanic male, ages 35-39
p0thm40	Starting population count in 2000, total hispanic male, ages 40-44
p0thm45	Starting population count in 2000, total hispanic male, ages 45-49
p0thm50	Starting population count in 2000, total hispanic male, ages 50-54
p0thm55	Starting population count in 2000, total hispanic male, ages 55-59
p0thm60	Starting population count in 2000, total hispanic male, ages 60-64
p0thm65	Starting population count in 2000, total hispanic male, ages 65-69
p0thm70	Starting population count in 2000, total hispanic male, ages 70-74
p0thm75	Starting population count in 2000, total hispanic male, ages 75-79
p0thm80	Starting population count in 2000, total hispanic male, ages 80-84
p0thm85	Starting population count in 2000, total hispanic male, ages 85+
p0tht0	Starting population count in 2000, total hispanic, ages 0-4
p0tht5	Starting population count in 2000, total hispanic, ages 5-9
p0tht10	Starting population count in 2000, total hispanic, ages 10-14
p0tht15	Starting population count in 2000, total hispanic, ages 15-19
p0tht20	Starting population count in 2000, total hispanic, ages 20-24
p0tht25	Starting population count in 2000, total hispanic, ages 25-29
p0tht30	Starting population count in 2000, total hispanic, ages 30-34
p0tht35	Starting population count in 2000, total hispanic, ages 35-39
p0tht40	Starting population count in 2000, total hispanic, ages 40-44
p0tht45	Starting population count in 2000, total hispanic, ages 45-49
p0tht50	Starting population count in 2000, total hispanic, ages 50-54
p0tht55	Starting population count in 2000, total hispanic, ages 55-59
p0tht60	Starting population count in 2000, total hispanic, ages 60-64
p0tht65	Starting population count in 2000, total hispanic, ages 65-69
p0tht70	Starting population count in 2000, total hispanic, ages 70-74
p0tht75	Starting population count in 2000, total hispanic, ages 75-79
p0tht80	Starting population count in 2000, total hispanic, ages 80-84
p0tht85	Starting population count in 2000, total hispanic, ages 85+
p0ttf0	Starting population count in 2000, total female, ages 0-4
p0ttf5	Starting population count in 2000, total female, ages 5-9
p0ttf10	Starting population count in 2000, total female, ages 10-14
p0ttf15	Starting population count in 2000, total female, ages 15-19
p0ttf20	Starting population count in 2000, total female, ages 20-24
p0ttf25	Starting population count in 2000, total female, ages 25-29
p0ttf30	Starting population count in 2000, total female, ages 30-34
p0ttf35	Starting population count in 2000, total female, ages 35-39
p0ttf40	Starting population count in 2000, total female, ages 40-44

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

p0ttf45	Starting population count in 2000, total female, ages 45-49
p0ttf50	Starting population count in 2000, total female, ages 50-54
p0ttf55	Starting population count in 2000, total female, ages 55-59
p0ttf60	Starting population count in 2000, total female, ages 60-64
p0ttf65	Starting population count in 2000, total female, ages 65-69
p0ttf70	Starting population count in 2000, total female, ages 70-74
p0ttf75	Starting population count in 2000, total female, ages 75-79
p0ttf80	Starting population count in 2000, total female, ages 80-84
p0ttf85	Starting population count in 2000, total female, ages 85+
p0ttm0	Starting population count in 2000, total male, ages 0-4
p0ttm5	Starting population count in 2000, total male, ages 5-9
p0ttm10	Starting population count in 2000, total male, ages 10-14
p0ttm15	Starting population count in 2000, total male, ages 15-19
p0ttm20	Starting population count in 2000, total male, ages 20-24
p0ttm25	Starting population count in 2000, total male, ages 25-29
p0ttm30	Starting population count in 2000, total male, ages 30-34
p0ttm35	Starting population count in 2000, total male, ages 35-39
p0ttm40	Starting population count in 2000, total male, ages 40-44
p0ttm45	Starting population count in 2000, total male, ages 45-49
p0ttm50	Starting population count in 2000, total male, ages 50-54
p0ttm55	Starting population count in 2000, total male, ages 55-59
p0ttm60	Starting population count in 2000, total male, ages 60-64
p0ttm65	Starting population count in 2000, total male, ages 65-69
p0ttm70	Starting population count in 2000, total male, ages 70-74
p0ttm75	Starting population count in 2000, total male, ages 75-79
p0ttm80	Starting population count in 2000, total male, ages 80-84
p0ttm85	Starting population count in 2000, total male, ages 85+
p0ttt0	Starting population count in 2000, total, ages 0-4
p0ttt5	Starting population count in 2000, total, ages 5-9
p0ttt10	Starting population count in 2000, total, ages 10-14
p0ttt15	Starting population count in 2000, total, ages 15-19
p0ttt20	Starting population count in 2000, total, ages 20-24
p0ttt25	Starting population count in 2000, total, ages 25-29
p0ttt30	Starting population count in 2000, total, ages 30-34
p0ttt35	Starting population count in 2000, total, ages 35-39
p0ttt40	Starting population count in 2000, total, ages 40-44
p0ttt45	Starting population count in 2000, total, ages 45-49
p0ttt50	Starting population count in 2000, total, ages 50-54
p0ttt55	Starting population count in 2000, total, ages 55-59
p0ttt60	Starting population count in 2000, total, ages 60-64
p0ttt65	Starting population count in 2000, total, ages 65-69
p0ttt70	Starting population count in 2000, total, ages 70-74
p0ttt75	Starting population count in 2000, total, ages 75-79
p0ttt80	Starting population count in 2000, total, ages 80-84
p0ttt85	Starting population count in 2000, total, ages 85+

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

p0wnf0	Starting population count in 2000, white non-hispanic female, ages 0-4
p0wnf5	Starting population count in 2000, white non-hispanic female, ages 5-9
p0wnf10	Starting population count in 2000, white non-hispanic female, ages 10-14
p0wnf15	Starting population count in 2000, white non-hispanic female, ages 15-19
p0wnf20	Starting population count in 2000, white non-hispanic female, ages 20-24
p0wnf25	Starting population count in 2000, white non-hispanic female, ages 25-29
p0wnf30	Starting population count in 2000, white non-hispanic female, ages 30-34
p0wnf35	Starting population count in 2000, white non-hispanic female, ages 35-39
p0wnf40	Starting population count in 2000, white non-hispanic female, ages 40-44
p0wnf45	Starting population count in 2000, white non-hispanic female, ages 45-49
p0wnf50	Starting population count in 2000, white non-hispanic female, ages 50-54
p0wnf55	Starting population count in 2000, white non-hispanic female, ages 55-59
p0wnf60	Starting population count in 2000, white non-hispanic female, ages 60-64
p0wnf65	Starting population count in 2000, white non-hispanic female, ages 65-69
p0wnf70	Starting population count in 2000, white non-hispanic female, ages 70-74
p0wnf75	Starting population count in 2000, white non-hispanic female, ages 75-79
p0wnf80	Starting population count in 2000, white non-hispanic female, ages 80-84
p0wnf85	Starting population count in 2000, white non-hispanic female, ages 85+
p0wnm0	Starting population count in 2000, white non-hispanic male, ages 0-4
p0wnm5	Starting population count in 2000, white non-hispanic male, ages 5-9
p0wnm10	Starting population count in 2000, white non-hispanic male, ages 10-14
p0wnm15	Starting population count in 2000, white non-hispanic male, ages 15-19
p0wnm20	Starting population count in 2000, white non-hispanic male, ages 20-24
p0wnm25	Starting population count in 2000, white non-hispanic male, ages 25-29
p0wnm30	Starting population count in 2000, white non-hispanic male, ages 30-34
p0wnm35	Starting population count in 2000, white non-hispanic male, ages 35-39
p0wnm40	Starting population count in 2000, white non-hispanic male, ages 40-44
p0wnm45	Starting population count in 2000, white non-hispanic male, ages 45-49
p0wnm50	Starting population count in 2000, white non-hispanic male, ages 50-54
p0wnm55	Starting population count in 2000, white non-hispanic male, ages 55-59
p0wnm60	Starting population count in 2000, white non-hispanic male, ages 60-64
p0wnm65	Starting population count in 2000, white non-hispanic male, ages 65-69
p0wnm70	Starting population count in 2000, white non-hispanic male, ages 70-74
p0wnm75	Starting population count in 2000, white non-hispanic male, ages 75-79
p0wnm80	Starting population count in 2000, white non-hispanic male, ages 80-84
p0wnm85	Starting population count in 2000, white non-hispanic male, ages 85+
p0wnt0	Starting population count in 2000, white non-hispanic total, ages 0-4
p0wnt5	Starting population count in 2000, white non-hispanic total, ages 5-9
p0wnt10	Starting population count in 2000, white non-hispanic total, ages 10-14
p0wnt15	Starting population count in 2000, white non-hispanic total, ages 15-19
p0wnt20	Starting population count in 2000, white non-hispanic total, ages 20-24
p0wnt25	Starting population count in 2000, white non-hispanic total, ages 25-29
p0wnt30	Starting population count in 2000, white non-hispanic total, ages 30-34
p0wnt35	Starting population count in 2000, white non-hispanic total, ages 35-39
p0wnt40	Starting population count in 2000, white non-hispanic total, ages 40-44

County Specific Net Migration Estimates by Age, Sex, Race, and Hispanic Origin (2000-2010)

p0wnt45	Starting population count in 2000, white non-hispanic total, ages 45-49
p0wnt50	Starting population count in 2000, white non-hispanic total, ages 50-54
p0wnt55	Starting population count in 2000, white non-hispanic total, ages 55-59
p0wnt60	Starting population count in 2000, white non-hispanic total, ages 60-64
p0wnt65	Starting population count in 2000, white non-hispanic total, ages 65-69
p0wnt70	Starting population count in 2000, white non-hispanic total, ages 70-74
p0wnt75	Starting population count in 2000, white non-hispanic total, ages 75-79
p0wnt80	Starting population count in 2000, white non-hispanic total, ages 80-84
p0wnt85	Starting population count in 2000, white non-hispanic total, ages 85+
b0bnf0	Estimated number of births between 2000-2004, black non-hispanic female
b0bnf5	Estimated number of births between 2005-2010, black non-hispanic female
b0bnm0	Estimated number of births between 2000-2004, black non-hispanic male
b0bnm5	Estimated number of births between 2005-2010, black non-hispanic male
b0bnt0	Estimated number of births between 2000-2004, black non-hispanic total
b0bnt5	Estimated number of births between 2005-2010, black non-hispanic total
b0onf0	Estimated number of births between 2000-2004, other non-hispanic female
b0onf5	Estimated number of births between 2005-2010, other non-hispanic female
b0onm0	Estimated number of births between 2000-2004, other non-hispanic male
b0onm5	Estimated number of births between 2005-2010, other non-hispanic male
b0ont0	Estimated number of births between 2000-2004, other non-hispanic total
b0ont5	Estimated number of births between 2005-2010, other non-hispanic total
b0thf0	Estimated number of births between 2000-2004, total hispanic female
b0thf5	Estimated number of births between 2005-2010, total hispanic female
b0thm0	Estimated number of births between 2000-2004, total hispanic male
b0thm5	Estimated number of births between 2005-2010, total hispanic male
b0tht0	Estimated number of births between 2000-2004, total hispanic
b0tht5	Estimated number of births between 2005-2010, total hispanic
b0ttf0	Estimated number of births between 2000-2004, total female
b0ttf5	Estimated number of births between 2005-2010, total female
b0ttm0	Estimated number of births between 2000-2004, total male
b0ttm5	Estimated number of births between 2005-2010, total male
b0ttt0	Estimated number of births between 2000-2004, total
b0ttt5	Estimated number of births between 2005-2010, total
b0wnf0	Estimated number of births between 2000-2004, white non-hispanic female
b0wnf5	Estimated number of births between 2005-2010, white non-hispanic female
b0wnm0	Estimated number of births between 2000-2004, white non-hispanic male
b0wnm5	Estimated number of births between 2005-2010, white non-hispanic male
b0wnt0	Estimated number of births between 2004-2005, white non-hispanic total
b0wnt5	Estimated number of births between 2005-2010, white non-hispanic total

Center for Demography and Ecology
University of Wisconsin
1180 Observatory Drive Rm. 4412
Madison, WI 53706-1393
U.S.A.
608/262-2182
FAX 608/262-8400
comments to: rwinkler@mtu.edu