Utah Economic and Business Review

Bureau of Economic and Business Research David Eccles School of Business University of Utah May/June 2003 Volume 63 Numbers 5&6

Highlights

The volume of commuting traffic has increased at a more rapid rate in Utah than the nation since 1990. The cause of this is demographic.

Commutes to work are longer in duration for Utah workers than in the past, increasing from a mean travel time of 19.3 minutes in 1980 to 21.3 minutes in 2000.

From 1990 to 2000 the number of Utah workers with commutes of at least 45 minutes increased by 83 percent, from 51,685 to 94,577. This is one of every ten workers.

Utah ranks 21 among all states in the relative use of mass transit by workers. This ranking has probably increased with the addition of the University and soon the Medical Center light rail lines.

An increasing share of Utah workers cross county lines to their jobs. The percent of Utah workers who left their counties of residence to work rose from 13.5 percent (78,482 commuters) in 1980 to 16.6 percent (171,355 workers) in 2000. Counties with high outcommuting rates in 2000 include Morgan (61.1 percent), Davis (45.7 percent), Tooele (45.5 percent), Wasatch (43.8 percent), Juab (40.3 percent), Summit (35.6 percent), and Rich (35.3 percent). Davis County generates nearly one of every three (30.1 percent) inter-county commuters in the state in 2000 with 59,509 residents working in other counties.

Although historically a net exporter of labor, in 2000 there were more out-of-state workers in Utah than vice versa. This was probably a result of 2002 Winter Olympic Games preparations.

Salt Lake County is still the major receiving county for commuters. In 2000, an estimated 73,203 workers commuted into Salt Lake County from other counties. An estimated 27,344 Salt Lake County residents commuted to other counties. This means that, on net, Salt Lake County gained 49,014 workers through inter-county commuting. Commuting volumes to Salt Lake County have increased by around 10,000 for both Utah and Davis counties since 1990.

New and more complicated patterns of commuting are emerging. For example, people are commuting longer distances, particularly from counties in the more rural areas of the state and especially (although not exclusively) to Salt Lake County.

Commuting Patterns in Utah: County Trends for 1980, 1990, and 2000

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The Utah population and economy have experienced significant growth since 1980. Expansion of urbanized areas, increased traffic volumes, and longer and more time-consuming commutes to work have accompanied this growth. Journey to Work data from each of the last three decennial censuses provide detailed county level data on the trends and patterns of commuting to work. This paper is an examination of these changing county-to-county commute patterns in Utah as recorded in the census data from 1980, 1990, and 2000.

The first section of the paper is an overview of the major demographic trends driving the increased volume of work-related travel over the past 20 years both nationally and in Utah. Next, the Journey to Work data set is briefly described in order to more clearly explain the results that follow. The next section is an analysis of changing patterns of commuting times by county. Finally, the changing Utah county-to-county flows are examined in some detail.

Demographic Trends Affecting the Volume of Commuting to Work

Population growth is ultimately dependent upon economic growth. Over the past two decades these have resulted in more workers, which in turn have translated into increased volumes of commuting. In Utah it is estimated that commuting and workrelated travel are about 30 percent of total regional travel.¹ The population growth rate of Utah has been about double that of the nation for the past 20 years. From 1980 to 1990 the Utah population increased by 18 percent (increasing from 1.46 million to 1.72 million) as compared to 10 percent for the nation. Population growth rates accelerated in the 1990s, as population increased by 30 percent in Utah (from 1.72 million to 2.23 million) and 13 percent in the nation. But while the population growth rates accelerated both in Utah and the nation in the 1990s, growth rates in the number of workers followed divergent growth paths. This divergence is mostly attributable to demographics factors. First, Utah has a significantly higher fertility rate as compared to the nation and this results in a younger population. Second, the national Baby Boom (1946 through 1964) peaked in the late 1950s and generated an Echo Boom beginning in about 1977. In contrast, Utah's post-war Baby Boom never really ended and finally peaked in the early 1980s. This cohort is forming households and creating the Utah Echo Boom.

By 1985 the tail end of the national Baby Boom reached 21 years of age. As a result, the number of workers increased nationally by 19 percent from 1980 to 1990. By the 1990s the national Baby Boom generation was already in the labor force and their children became the Echo Boom. This, in combination with increased international migration, resulted in an acceleration of the growth rate of the national population but a reduction in the growth rate of the labor force as compared to the 1980s.

The story for Utah has been somewhat different because of the relatively high fertility rates and the distinctive pattern of births. Because the Utah Baby Boom peaked in the early 1980s, this cohort entered the labor force in the 1990s. Consequently, the growth rate of the number of Utah workers further accelerated and continued to exceed that of the population in general. The state also experienced a sustained period of net in-migration, about half of which was international in origin. Many of these migrants are young, brought children with them, and continued to have them once in Utah. The net result is that Utah had population and labor force growth rates substantially higher than those of the nation in the 1990s. The number of workers increased by 41 percent from 1990 to 2000 in Utah as compared to 12 percent nationally. This increase in the population and labor force has resulted in significant increases in the number of commuting trips and use of transportation infrastructure in general. From 1980 to 2000 the state population increased by 772,132 and the number of workers increased by 451,188. Two-thirds of these increases occurred in the 1990s.² (Table 1 and Figure 1)

Journey to Work Data: Sources, Interpretation, and Use

Much of what we have learned about changes in commuting patterns comes from the Journey to Work data. This is a special tabulation of data from the decennial census long form made possible by the inclusion of questions about places of residence and work as well as commute times. Specifically, the commuting questions in the 2000 questionnaire were:

- "At what location did this person work LAST WEEK? (If this person worked more than one location, print where he or she worked most last week.)"
- "How did this person usually get to work LAST WEEK? (If this person usually used more than one method of transportation during the trip, mark the box of the one used most of the distance.)"³

This information is combined with residential location to create a county level origin and destination matrix that becomes the Journey to Work file. Additional tabulations

| | S | tate of Utah | | ٦ ٦ | he Nation | |
|------------------------|------------------------|-------------------------------------|---------------------------------|-------------------------------------|---|--|
| | | Population | Workers | | Population | Workers |
| Totals | 2000 1990 1980 | 2,233,169 1,722,850 1,461,037 | 1,032,858 732,376 581,670 | Totals 2000 1990 1980 | 281,421,906 248,749,873 226,542,199 | 128,279,230 115,070,274 96,617,296 |
| Increases | 1990-2000 1980-1990 | 510,319 261,813 | 300,482 150,706 | Increases 1990-2000 1980-1990 | 32,672,033 22,207,674 | 13,208,956 18,452,978 |
| Percent Cl | nange | | | Percent Change | | |
| 1990-2000 1980-1990 | | 29.6% 17.9% | 41.0% 25.9% | 1990-2000 1980-1990 | 13.1% 9.8% | 11.5% 19.1% |

Table 1 Population and Workers: 1980, 1990, 2000

Source: Census Transportation Planning Package 2000 (CTTP 2000) Profiles (transportation.org/ctpp); Bureau of the Census, 1980 Census of the Population, General Social and Economic Characteristics: Utah, Table 65.



Figure 1 Percentage Increase in Population and Workers: Utah and U.S.

Sources: CTPP 2000, Bureau of the Census

are generated for the Department of Transportation in the Census Transportation Planning Package. These are the primary data sources used in this analysis.

Because of the way the questions are asked, people who are out-of-town on business will report their place of work for "LAST WEEK" as this business trip location. This accounts for most of the out-of-state commuting reported in the Journey to Work file. But, in general, the data reflect the commuting patterns of a region in the latter part of March in each of the decennial census years. These data are further disaggregated to smaller units of geography and are used for transportation planning, modeling, and analysis.

Importantly, work trips are a decreasing fraction of total regional travel. According to the 2001 National Household Travel Survey, work trips are only 15 percent of all person trips (down from 25 percent in 1969).⁴ However, commuting to work is generally concentrated in two main windows of time: the morning and evening commutes. These times generally constitute the peak travel time and define peak travel demand for a region. As regional travel becomes more congested (causing travel times to increase), these windows of time expand to both begin earlier and last longer. This has been the case in Utah as well. Over the past 30 years, travel for purposes other than work has grown much more rapidly than has travel to and from work. Besides personal trips (work or non-work based), other types of travel include that of tourists and other visitors, goods and services delivery, freight movement, and through-travel (both personal and

commercial). So, the Journey to Work data discussed here is a fraction, albeit significant, of total regional travel.⁵

Travel Time to Work

Commutes to work are longer in duration for Utah workers than in the past, increasing from a mean travel time of 19.3 minutes in 1980 to 21.3 minutes in 2000.6 This ranks Utah in 2000 as the 11th shortest mean commute time among all states. National mean travel times for commutes have increased from 21.7 minutes in 1980 to 25.5 minutes in 2000. States with the longest commute times include New York (31.7 minutes), Maryland (31.2 minutes), New Jersey (30.0 minutes), Illinois (28.0 minutes), and California (27.7 minutes). States with the shortest commute times are in a region extending from Idaho and Utah in the west to Iowa and Wisconsin in the east and extending south to include Oklahoma (excluding Colorado and Minnesota). The metropolitan area populations of the states with shorter commutes are generally much smaller than that of those with longer commutes. (Figures 2 and 3)

Travel times also vary by means of transportation. As reported in the 2000 census for Utah, driving alone is still the most common way to commute (779,440 or 78.8 percent of commuters) and had the second fastest commute (20.1 minutes). Walking or bicycling (33,790 or 3.4 percent of commuters) had the fastest (and undoubtedly shortest distance) commutes with a mean travel time of 12.5 minutes. Carpoolers (145,950 or 14.7 percent of commuters) had an average commute time of Table 2Means of Transportation to Work by Travel Time to Work in MinutesState of Utah Residents: 2000

| | Travel Time to Work | | | | | | | | | |
|--|---------------------|--------------|------------|----------|----------|----------|---------|--|--|--|
| | | Workers Who | | | | | 45 or | | | |
| | Mean Travel | Did Not Work | Less Than | 10 to 19 | 20 to 29 | 30 to 44 | More | | | |
| | Time to Work | at Home | 10 Minutes | Minutes | Minutes | Minutes | Minutes | | | |
| Workers who did not work at home | 21.3 | 989,525 | 187,215 | 348,135 | 205,880 | 153,715 | 94,575 | | | |
| Workers who did not work at home - Row percent | (X) | 100 | 18.9 | 35.2 | 20.8 | 15.5 | 9.6 | | | |
| workers who did not work at home - Column percent | (X) | 100 | 100 | 100 | 100 | 100 | 100 | | | |
| Drove alone | 20.1 | 779,440 | 149,370 | 284,930 | 169,935 | 116,240 | 58,970 | | | |
| Drove alone - Row percent | (X) | 100 | 19.2 | 36.6 | 21.8 | 14.9 | 7.6 | | | |
| Drove alone - Column percent | (X) | 78.8 | 79.8 | 81.8 | 82.5 | 75.6 | 62.4 | | | |
| Carpooled | 25.6 | 145,950 | 20,660 | 45,315 | 28,805 | 28,115 | 23,050 | | | |
| Carpooled - Row percent | (X) | 100 | 14.2 | 31 | 19.7 | 19.3 | 15.8 | | | |
| Carpooled - Column percent | (X) | 14.7 | 11 | 13 | 14 | 18.3 | 24.4 | | | |
| Public transportation (including taxicab) | 42.2 | 23,200 | 705 | 3,305 | 2,955 | 6,385 | 9,850 | | | |
| Public transportation (including taxicab) - Row percent | (X) | 100 | 3 | 14.2 | 12.7 | 27.5 | 42.5 | | | |
| Public transportation (including taxicab) - Column percent | (X) | 2.3 | 0.4 | 0.9 | 1.4 | 4.2 | 10.4 | | | |
| Bicycle or walked | 12.5 | 33,790 | 14,880 | 12,630 | 3,305 | 1,900 | 1,070 | | | |
| Bicycle or walked - Row percent | (X) | 100 | 44 | 37.4 | 9.8 | 5.6 | 3.2 | | | |
| Bicycle or walked - Column percent | (X) | 3.4 | 7.9 | 3.6 | 1.6 | 1.2 | 1.1 | | | |
| Motorcycle or other means | 41.7 | 7,145 | 1,595 | 1,960 | 880 | 1,080 | 1,635 | | | |
| Motorcycle or other means - Row percent | (X) | 100 | 22.3 | 27.4 | 12.3 | 15.1 | 22.9 | | | |
| Motorcycle or other means - Column percent | (X) | 0.7 | 0.9 | 0.6 | 0.4 | 0.7 | 1.7 | | | |

Source: Census Transportation Planning Package 2000 (CTTP 2000) Profiles, (transportation.org/ctpp)

N

Table 3Means of Transportation and Travel Time to Work: State of Utah Residents

| /leans | of | Trans | portation | to | Work |
|--------|----|-------|-----------|----|------|
|--------|----|-------|-----------|----|------|

| | 1990 Ce | ensus | 2000 Ce | ensus | Change 1990 to 2000 | | |
|---|---------|---------|-----------|---------|---------------------|---------|--|
| | Number | Percent | Number | Percent | Number | Percent | |
| Workers 16 years and over | 732,376 | 100.0% | 1,032,858 | 100.0% | 300,482 | 41.0% | |
| Drove alone | 541,226 | 73.9% | 779,438 | 75.5% | 238,212 | 44.0% | |
| Carpooled | 111,197 | 15.2% | 145,950 | 14.1% | 34,753 | 31.3% | |
| Public transportation (including taxicab) | 16,971 | 2.3% | 23,199 | 2.2% | 6,228 | 36.7% | |
| Bicycle or walked | 30,090 | 4.1% | 33,790 | 3.3% | 3,700 | 12.3% | |
| Motorcycle or other means | 6,644 | 0.9% | 7,146 | 0.7% | 502 | 7.6% | |
| Worked at home | 26,248 | 3.6% | 43,335 | 4.2% | 17,087 | 65.1% | |

Travel Time to Work

| | 1990 Ce | ensus | 2000 Ce | ensus | Change 1990 to 2000 | | |
|------------------------------------|---------|---------|---------|---------|---------------------|---------|--|
| | Number | Percent | Number | Percent | Number | Percent | |
| Workers who did not work at home | 706,128 | 100.0% | 989,523 | 100.0% | 283,395 | 40.1% | |
| Less than 5 minutes | 35,377 | 5.0% | 43,896 | 4.4% | 8,519 | 24.1% | |
| 5 to 9 minutes | 112,479 | 15.9% | 143,317 | 14.5% | 30,838 | 27.4% | |
| 10 to 14 minutes | 132,929 | 18.8% | 175,060 | 17.7% | 42,131 | 31.7% | |
| 15 to 19 minutes | 131,876 | 18.7% | 173,076 | 17.5% | 41,200 | 31.2% | |
| 20 to 29 minutes | 149,115 | 21.1% | 205,880 | 20.8% | 56,765 | 38.1% | |
| 30 to 44 minutes | 92,667 | 13.1% | 153,717 | 15.5% | 61,050 | 65.9% | |
| 45 or more minutes | 51,685 | 7.3% | 94,577 | 9.6% | 42,892 | 83.0% | |
| Mean travel time to work (minutes) | 18.9 | N/A | 21.3 | N/A | 2.4 | N/A | |

Source: Census Transportation Planning Package 2000 (CTTP 2000) Profiles, (transportation.org/ctpp)



Sources: CTPP 2000, Bureau of the Census, Pisarski



Commuting Patterns in Utah

| Ord | lered by 2000 Tra | avel Time | | Ordere | ed by 1990 to 20 | 000 Increase | |
|---------------------|-------------------|-------------|--------|---------------------|------------------|--------------|--------|
| County of Residence | 1990 Census | 2000 Census | Change | County of Residence | 1990 Census | 2000 Census | Change |
| Tooele | 22.0 | 32.1 | 10.1 | Piute | 15.6 | 26.3 | 10.7 |
| Rich | 19.6 | 29.0 | 9.4 | Tooele | 22.0 | 32.1 | 10.1 |
| Morgan | 22.4 | 26.3 | 4.0 | Daggett | 11.4 | 21.5 | 10.1 |
| Piute | 15.6 | 26.3 | 10.7 | Rich | 19.6 | 29.0 | 9.4 |
| Wasatch | 21.1 | 25.3 | 4.2 | San Juan | 14.3 | 21.4 | 7.2 |
| Summit | 21.1 | 24.8 | 3.7 | Duchesne | 15.8 | 22.4 | 6.6 |
| Juab | 20.3 | 23.1 | 2.9 | Beaver | 10.6 | 17.1 | 6.5 |
| Salt Lake | 20.1 | 22.5 | 2.4 | Wayne | 13.7 | 19.5 | 5.8 |
| Davis | 18.8 | 22.4 | 3.6 | Sanpete | 16.9 | 22.4 | 5.5 |
| Duchesne | 15.8 | 22.4 | 6.6 | Millard | 14.6 | 19.0 | 4.3 |
| Sanpete | 16.9 | 22.4 | 5.5 | Wasatch | 21.1 | 25.3 | 4.2 |
| Box Elder | 20.8 | 21.6 | 0.9 | Morgan | 22.4 | 26.3 | 4.0 |
| Weber | 19.4 | 21.6 | 2.2 | Summit | 21.1 | 24.8 | 3.7 |
| Daggett | 11.4 | 21.5 | 10.1 | Davis | 18.8 | 22.4 | 3.6 |
| San Juan | 14.3 | 21.4 | 7.2 | Sevier | 14.0 | 17.6 | 3.6 |
| State Average | 18.9 | 21.3 | 2.4 | Emery | 17.6 | 21.0 | 3.3 |
| Emery | 17.6 | 21.0 | 3.3 | Kane | 15.8 | 18.9 | 3.1 |
| Uintah | 17.2 | 19.5 | 2.3 | Juab | 20.3 | 23.1 | 2.9 |
| Wayne | 13.7 | 19.5 | 5.8 | Grand | 12.2 | 15.0 | 2.8 |
| Millard | 14.6 | 19.0 | 4.3 | Salt Lake | 20.1 | 22.5 | 2.4 |
| Kane | 15.8 | 18.9 | 3.1 | State Average | 18.9 | 21.3 | 2.4 |
| Utah | 17.1 | 18.8 | 1.7 | Uintah | 17.2 | 19.5 | 2.3 |
| Sevier | 14.0 | 17.6 | 3.6 | Weber | 19.4 | 21.6 | 2.2 |
| Washington | 15.5 | 17.2 | 1.7 | Iron | 12.8 | 15.0 | 2.2 |
| Beaver | 10.6 | 17.1 | 6.5 | Utah | 17.1 | 18.8 | 1.7 |
| Cache | 16.4 | 16.8 | 0.4 | Washington | 15.5 | 17.2 | 1.7 |
| Carbon | 15.9 | 16.4 | 0.5 | Box Elder | 20.8 | 21.6 | 0.9 |
| Grand | 12.2 | 15.0 | 2.8 | Garfield | 13.3 | 13.9 | 0.6 |
| Iron | 12.8 | 15.0 | 2.2 | Carbon | 15.9 | 16.4 | 0.5 |
| Garfield | 13.3 | 13.9 | 0.6 | Cache | 16.4 | 16.8 | 0.4 |

Table 4 Mean Travel Time to Work in Minutes for Utah Residents

Source: Census Transportation Planning Package 2000 (CTTP 2000) Profiles, (transportation.org/ctpp)

25.6 minutes while those taking public transportation (23,200 or 2.3 percent of commuters) had a mean travel time of 42.2 minutes. All categories of commuters increased in number of total commutes from 1990 to 2000. In terms of relative shares, all means of transportation lost shares to driving alone, which increased from 76.6 percent to 78.8 percent of commutes. Utah ranks 21 among all states in the relative use of public transportation by workers (2.3 percent of workers). States with the highest shares of commuters using public transportation include New York (24.4 percent of workers), New Jersey (9.6 percent of workers), and Illinois (8.7 percent of workers). In Utah, persons working at home increased as a share of Utah workers from 3.6 percent in 1990 to 4.2 percent in 2000. (Tables 2 and 3) The Utah ranking has probably increased given the subsequent opening of the University and soon the Medical Center light rail lines.

Commute times have increased for all Utah counties from 1990 to 2000. Tooele County ranked first in 2000 with a mean travel time of 32.1 minutes, an increase of 10.1 minutes as compared to 1990. Other counties with long average commute times are Rich (29.0 minutes), Morgan (26.3 minutes), Piute (26.3 minutes), Wasatch (25.3 minutes), Summit (24.8 minutes), and Juab (23.1 minutes). Counties with large increases in commute times from 1990 to 2000 include Piute, Tooele, Daggett, and Rich. (Table 4 and Figure 4) One cause of the increasing commute times is an increase in the number and share of commuters with very long commutes. In 1990 there were an estimated 51,685 persons (7.3 percent of all Utah commuters) who reported commutes of 45 minutes or more. By 2000, an estimated 94,577 or 9.6 percent of commuters in the state reported these long (45 minutes or longer) commutes. In 2000, about one quarter (25.1 percent) of Utah commuters had travel times to work of 30 minutes or more. Tooele County has the highest



proportion (31.4 percent) of commuters traveling 45 minutes or more reported in the 2000 census. Other counties with large relative shares of very long commutes are Rich (25.0 percent), Juab (20.9 percent), Wasatch (18.6 percent), and Piute (16.7 percent). Counties with the shortest mean travel times to work include Garfield (13.9 minutes), Iron (15.0 minutes), Grand (15.0 minutes), Carbon (16.4 minutes), and Cache (16.8 minutes). (Tables 4 and 5 and Figure 4)

Journey to Work: Commuting Out-of-County

While the great majority (83.4 percent in 2000) of Utahns work in their county of residence, an increasing number and share of workers cross county lines (and also state lines) to their jobs. From 1980 to 2000, the number of workers with jobs in their county of residence increased by 358,334 or 71.2 percent, from 503,169 to 861,503. The number of Utahns crossing county lines to work increased over the same period by 92,873 (118.3 percent) from 78,482 to 171,355. Out-of-county commuting accounted for one out of three (32.8 percent) of the new work commutes in Utah over the past two decades (excluding working at home). This has resulted in an increase in the county out-commuting rate at the state level. In 1980, 13.5 percent of Utah workers left their counties of residence to work. This increased to 15.2 percent in 1990 and 16.6 percent in 2000. Nationally, the share of workers crossing county lines for employment increased to 23 percent in 2000, up from 20 percent in

1990 and 18 percent in 1980. Commuting does tend to be understated by this measure in the western U.S. because counties are so much larger as compared to those in the eastern U.S.⁷ (Figures 5 and 6)

Out-commuting rates vary widely by county. Morgan County has had the highest out-of-county commuting rate for all three decades (1980, 1990, and 2000) with 61.1 percent of the workers who live in Morgan County (or 1,951 of 3,168 workers) commuting outside Morgan to work in 2000. The out-commuting rate of Davis County workers for 2000 is 45.7 percent. Although Davis ranks second in the overall rate, the 59,509 residents working in other counties is the highest number of any county. In fact, Davis County generated nearly one of every three (30.1 percent) inter-county commuters in the state in 2000. Other counties with high ratios of resident workers working out-of-county are Tooele (45.5 percent out-commuting rate), Wasatch (43.8 percent), Juab (40.3 percent), Summit (35.6 percent), and Rich (35.3 percent). Counties experiencing large relative increases in their outcommuting rates from 1980 to 2000 include Tooele (from 15.8 percent to 45.5 percent), Juab (16.4 percent to 40.3 percent), Piute (17.6 percent to 30.8 percent), Emery (12.0 percent to 25.0 percent), San Juan (8.9 percent to 20.3 percent), Duchesne (11.4 percent to 20.8 percent), and Box Elder (15.7 percent to 24.7 percent). Not surprisingly, Salt Lake County, the destination of many of these out-of-county commuters, has the lowest outcommuting rate (6. 2 percent in 2000). (Tables 6 and 7)

Journey to Work: Commuting Out-of-State

An estimated 11,569 Utah workers reported working outside Utah in response to the question: "Where did you work LAST WEEK?" on the long form of the 2000 Census questionnaire. Counties with the highest rates of reported out-of-state workers in 2000 include Rich (20.1 percent), Kane (19.1 percent), San Juan (10.4 percent), and Daggett (10.1 percent). These are all relatively small rural counties located on the perimeter of the state. Reported destinations for these out-of-state commuters are Wyoming (Uinta and Lincoln counties) for Rich residents, Arizona (Coconino County) for Kane residents, Colorado (Montezuma County) and Arizona (Apache, Coconino, and Navajo counties) for San Juan residents), and Wyoming (Sweetwater County) for Daggett residents.

Counties with large numbers of out-of-state workers in 2000 were Salt Lake (3,155), Utah (1,376), Washington (1,372), and Davis (944). Washington County has a relatively low out-commuting rate (6.5 percent). The majority (58 percent) of those reported to have worked out-of-county were commutes to Clark County, Nevada.

| | Count | ties Ranked | by 2000 Sh | are | | | | |
|--------------------|--------|-------------|------------|---------|---------------------|---------|--|--|
| | 199 | 90 | 20 | 00 | 1990 to 2000 Change | | | |
| Place of Residence | Number | Percent | Number | Percent | Number | Percent | | |
| Tooele | 1,965 | 18.0 | 5,434 | 31.4 | 3,469 | 176.5 | | |
| Rich | 88 | 15.3 | 181 | 25.0 | 93 | 105.7 | | |
| Juab | 440 | 19.7 | 689 | 20.9 | 249 | 56.6 | | |
| Wasatch | 628 | 15.5 | 1,208 | 18.6 | 580 | 92.4 | | |
| Piute | 35 | 8.9 | 82 | 16.7 | 47 | 134.3 | | |
| Sanpete | 602 | 11.9 | 1,278 | 16.0 | 676 | 112.3 | | |
| Summit | 910 | 13.3 | 2,243 | 14.9 | 1,333 | 146.5 | | |
| Morgan | 264 | 12.2 | 447 | 14.8 | 183 | 69.3 | | |
| Daggett | 11 | 4.0 | 46 | 13.9 | 35 | 318.2 | | |
| Duchesne | 300 | 7.3 | 668 | 13.3 | 368 | 122.7 | | |
| San Juan | 296 | 8.6 | 490 | 12.5 | 194 | 65.5 | | |
| Davis | 4,136 | 5.3 | 12,636 | 11.7 | 8,500 | 205.5 | | |
| Weber | 6,091 | 9.0 | 9,952 | 11.2 | 3,861 | 63.4 | | |
| Uintah | 768 | 10.8 | 1,070 | 10.9 | 302 | 39.3 | | |
| Wayne | 61 | 8.0 | 112 | 10.9 | 51 | 83.6 | | |
| Beaver | 77 | 4.9 | 250 | 10.5 | 173 | 224.7 | | |
| Box Elder | 1,298 | 9.4 | 1,752 | 10.2 | 454 | 35.0 | | |
| Emery | 292 | 8.5 | 417 | 10.1 | 125 | 42.8 | | |
| Kane | 191 | 10.2 | 232 | 9.9 | 41 | 21.5 | | |
| State of Utah | 51,685 | 7.3 | 94,577 | 9.6 | 42,892 | 83.0 | | |
| Millard | 232 | 6.0 | 431 | 9.4 | 199 | 85.8 | | |
| Utah | 7,859 | 7.9 | 12,934 | 8.3 | 5,075 | 64.6 | | |
| Sevier | 393 | 7.4 | 579 | 8.2 | 186 | 47.3 | | |
| Carbon | 601 | 8.3 | 667 | 8.1 | 66 | 11.0 | | |
| Salt Lake | 19,706 | 6.2 | 34,144 | 8.1 | 14,438 | 73.3 | | |
| Iron | 501 | 6.2 | 1,157 | 7.8 | 656 | 130.9 | | |
| Cache | 2,639 | 9.3 | 3,119 | 7.5 | 480 | 18.2 | | |
| Grand | 142 | 5.5 | 274 | 7.4 | 132 | 93.0 | | |
| Garfield | 96 | 6.3 | 130 | 6.9 | 34 | 35.4 | | |
| Washington | 1,063 | 6.5 | 1,955 | 5.9 | 892 | 83.9 | | |

Table 5 Commuters Traveling 45 Minutes or More Counties Banked by 2000 Share

Source: Census Transportation Planning Package 2000 (CTTP 2000) Profiles, (transportation.org/ctpp)



Sources: CTPP 2000, Bureau of the Census

Table 6 Out-Commuting Rates from Counties in Utah Share of Resident Workers Leaving the County to Work Ranked in Descending Order for 2000

| Place of Residence | 1980 | 1990 | 2000 |
|--------------------|-------|-------|-------|
| Morgan | 52.8% | 57.2% | 61.6% |
| Davis | 43.9% | 45.4% | 45.7% |
| Tooele | 15.8% | 19.5% | 45.5% |
| Wasatch | 35.3% | 44.4% | 43.8% |
| Juab | 16.4% | 26.3% | 40.3% |
| Summit | 30.9% | 33.8% | 35.6% |
| Rich | 31.4% | 23.4% | 35.3% |
| Piute | 17.6% | 24.5% | 30.8% |
| Weber | 27.7% | 27.9% | 29.2% |
| Kane | 27.0% | 30.5% | 28.8% |
| Emery | 12.0% | 16.2% | 25.0% |
| Box Elder | 15.7% | 17.3% | 24.7% |
| Daggett | 15.9% | 5.5% | 21.2% |
| Duchesne | 11.4% | 11.3% | 20.8% |
| Sanpete | 15.1% | 16.0% | 20.3% |
| San Juan | 8.9% | 7.7% | 20.3% |
| State Total | 13.5% | 15.2% | 16.6% |
| Utah | 9.7% | 10.4% | 13.9% |
| Wayne | 12.5% | 7.1% | 12.4% |
| Uintah | 13.5% | 12.6% | 12.2% |
| Carbon | 11.4% | 9.6% | 11.5% |
| Garfield | 8.2% | 6.7% | 10.4% |
| Cache | 9.0% | 11.2% | 10.3% |
| Sevier | 6.2% | 6.4% | 9.8% |
| Iron | 4.5% | 6.8% | 9.0% |
| Beaver | 4.4% | 6.4% | 8.2% |
| Millard | 4.1% | 3.9% | 7.5% |
| Washington | 7.6% | 6.9% | 6.7% |
| Grand | 13.5% | 4.1% | 6.5% |
| Salt Lake | 4.8% | 6.8% | 6.2% |

Source: U.S. Bureau of the Census, BEBR Calculations

In the cases of the large urban counties (Salt Lake, Utah, and Davis), people were most likely on out-of-state business trips. While there are certainly a few isolated cases of people living in Utah on the weekends who are working elsewhere during the week on a regular basis, this is highly unusual. (Table 8)

Utah has historically been a net exporter of labor. In 1980 there were 8,100 Utah residents working outside the state while an estimated 3,017 non-Utah residents worked in Utah for a net labor export of 5,083. In 1990, the net export of Utah labor was estimated to be 7,826 with 11,154 Utahns working out-of-state and 3,328 non-Utahns working in-state. Then, in 2000, Utah apparently became a net importer of labor with the number of Utahns working out-of-state estimated to be up slightly to 11,569 and the number of non-Utah residents working in-state estimated to be up dramatically to 12,482. The number of out-of-state workers reporting working in Salt Lake County increased from 1,071 in 1990 to 5,294 in 2000, accounting for nearly half (46.1 percent) of the increase. In fact, if Salt Lake is excluded from the statewide calculation, Utah is again a net exporter of labor. By 2000, preparations were well underway for the 2002 Winter Olympic Games. Although further investigation is necessary in order to definitively establish the connection, it is likely that many of the reported outof-state workers in Utah during this time were associated with the Olympic Games preparation. If this is indeed the case, then in the absence of the ramp-up to the Olympic Games, Utah again would have been a net exporter of labor. Because the data source for this analysis is the Census questionnaire, non-U.S. residents working in Utah are not counted. This underestimates imported labor. (Table 9)

County-to-County Commuting Patterns

Salt Lake is Still the Center

Salt Lake County has long been the center of employment in the state and consequently it is the county that receives the greatest number of inter-county commuters. On net, nearly 50,000 more commuters traveled to Salt Lake County than vice versa as reported in the 2000 Census. Twenty other counties had net out-commuting while eight other counties had small net in-commuting. (Tables 10 – 12)

Salt Lake County provided nearly half the total employment of the state in 2000 (47.4 percent), although this share has fallen from 49.4 percent in 1980.⁸ In 2000, Salt Lake County was home to 438,627 workers, 411,283 of whom reported working in the county. Total employment generated in Salt Lake County grew by



| Share of State Commuters and Inter-County Commuters | | | | | | | | | | | | | | | |
|--|--|---|---|---|--|---|--|---|--|---|---|---|---|--|--|
| | | 2000 | | Shares o | of State | | 1990 | | Shares of | of State | | 1980 | Shares o | of State | |
| County of Residence | Total Resident Workers | Working in County of Residence | Working Outside County of Residence | Workers | Commute Out-of-County | Total Resident Workers | Working in County of Residence | Working Outside County of Residence | Workers | Commute Out-of-County | Total Resident Workers | Working in County of Residence | Working Outside County of Residence | Workers | Commute Out-of-County |
| Beaver Box Elder Cache Carbon Daggett Davis Duchesne Emery Garfield Grand Iron Juab Kane Millard Morgan Piute Rich Salt Lake San Juan Sanpete Sevier Summit | 2,460 18,030 43,731 8,460 377 112,717 5,370 4,293 1,983 3,958 15,249 3,369 2,621 4,820 3,168 523 791 438,627 4,117 8,412 7,444 16,205 | 2,258 13,570 39,235 7,489 297 61,208 4,255 3,220 1,776 3,699 13,882 2,011 1,867 4,457 1,217 362 512 411,283 3,283 6,706 6,714 10,496 | 202 4,460 4,496 971 80 51,509 1,115 1,073 207 259 1,367 1,358 754 363 1,951 161 161 279 27,344 834 1,706 730 | 0.2% 0.2% 1.7% 4.2% 0.8% 0.9% 0.9% 0.5% 0.4% 0.3% 0.3% 0.3% 0.3% 0.1% 42.5% 0.4% 0.8% 0.4% 0.8% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.4% 0.5% 0.4% 0.4% 0.5% 0.4% 0.4% 0.5% 0.4% 0.4% 0.5% 0.4% | 0.1% 2.6% 0.6% 0.0% 30.1% 0.7% 0.6% 0.2% 0.8% 0.4% 0.2% 1.1% 0.2% 16.0% 0.5% 1.0% 0.4% | 1,660 14,438 30,003 7,429 289 81,054 4,443 3,626 1,568 2,758 8,366 2,340 1,939 4,165 2,287 417 637 329,238 3,619 5,346 5,563 7,239 | 1,554 11,938 26,643 6,718 273 44,256 3,941 3,040 1,463 2,645 7,798 1,724 1,347 4,004 1,347 4,004 1,347 4,004 3,35 488 306,801 3,340 4,489 5,209 | 106 2,500 3,360 711 16 36,798 502 586 105 586 113 568 616 592 161 1,308 102 149 22,437 279 857 354 | 0.2% 2.0% 4.1% 1.0% 0.0% 11.1% 0.6% 0.2% 0.4% 1.1% 0.3% 0.3% 0.3% 0.3% 0.3% 0.1% 45.0% 0.7% 0.8% | 0.1% 2.3% 3.0% 0.6% 0.5% 0.5% 0.1% 0.5% 0.1% 1.2% 0.1% 20.2% 0.3% 0.8% 0.3% | 1,420 12,751 22,325 8,322 271 58,893 4,175 3,784 1,248 3,466 6,547 1,989 1,324 3,165 1,794 408 865 266,549 3,546 4,626 5,299 4,592 | 1,357 10,755 20,306 7,376 228 33,019 3,699 3,330 1,146 2,997 6,252 1,662 967 3,034 847 336 593 253,728 3,229 3,929 4,973 2,175 | 63 1,996 2,019 946 43 25,874 476 454 102 295 327 357 131 947 72 272 12,821 317 697 326 1 417 946 | 0.2% 2.2% 3.8% 1.4% 0.0% 10.1% 0.7% 0.7% 0.6% 0.6% 0.3% 0.5% 0.3% 0.1% 45.8% 0.6% 0.8% 0.8% | 0.1% 2.5% 2.6% 1.2% 0.1% 33.0% 0.6% 0.6% 0.6% 0.4% 0.4% 0.4% 0.2% 1.2% 0.1% 0.3% 16.3% 0.4% 0.9% 0.4% |
| Tooele Uintah Utah Wasatch Washington Wayne Weber State Total | 16,295 17,966 10,145 163,577 6,860 35,064 1,087 91,344 1,032,858 | 9,784 8,910 140,834 3,857 32,708 952 64,671 861,503 | 8,809 8,182 1,235 22,743 3,003 2,356 135 26,673 171,355 | 1.0% 1.7% 1.0% 15.8% 0.7% 3.4% 0.1% 8.8% 100.0% | 3.4% 4.8% 0.7% 13.3% 1.8% 1.4% 0.1% 15.6% 100.0% | 7,338 11,228 7,453 104,035 4,276 17,023 792 69,046 732,376 | 4,856 9,041 6,516 93,254 2,379 15,853 736 49,812 621,412 | 2,482 2,187 937 10,781 1,897 1,170 56 19,234 110,964 | 1.0% 1.5% 1.0% 14.2% 0.6% 2.3% 0.1% 9.4% 100.0% | 2.2% 2.0% 0.8% 9.7% 1.7% 1.1% 0.1% 17.3% 100.0% | 4,592 10,249 7,348 75,860 3,208 8,383 617 58,627 581,651 | 3,175 8,633 6,353 68,491 2,074 7,744 540 42,396 503,169 | 1,417 1,616 995 7,369 1,134 639 77 16,231 78,482 | 0.8% 1.8% 1.3% 13.0% 0.6% 1.4% 0.1% 10.1% 100.0% | 1.8% 2.1% 1.3% 9.4% 1.4% 0.8% 0.1% 20.7% 100.0% |

Table 7 Total Workers Residing in County: Place of Work Share of State Commuters and Inter-County Commuters

Source: U.S. Bureau of the Census, BEBR Calculations

137,046 over the past decade. About one-fourth (23.8 percent) of these additional jobs were taken by nonresidents of the county. The number of nonresidents commuting into Salt Lake County grew from 29,640 in 1980, to 40,639 in 1990, and to 73,203 in 2000.

While most of the increase in commuter traffic in Salt Lake County has come from people who both live and work in the county, there have been significant increases in inter-county commuters. The number of commuters to Salt Lake County reported in the 2000 census were 33,851 from Davis County, 18,159 from Utah County, 7,031 from Tooele County, 6,425 from Weber County, and 4,501 from Summit County. Out-commuting from both Davis and Utah counties to Salt Lake County each increased by about 10,000 over the past decade. Other significant increases in out-commuting to Salt Lake County from 1990 to 2000 were Tooele (increased by 5,574), Summit (increased by 2,566), and Weber (increased by 2,531). Commuters to Salt Lake County have come from increasingly distant counties. By 2000, significant volumes of commuters have come from Box Elder, Cache, Morgan, Wasatch, and Sanpete counties. Reverse flows from Salt Lake County have grown as well. In 2000, the number of out-commuters from Salt Lake County was significant in Davis (8,370), Utah (8,075), Summit (2,678), Weber (2,084), and Tooele (1,656) counties. (Tables 13-14 and Figures 7-10)

Labor Force Growth and Job Growth Imbalances

Counties where labor force growth has exceeded employment growth have generally experienced large increases in out-commuting. For example, the number of workers in Tooele County rose from 11,228 in 1990 to 17,966 in 2000, an increase of 6,738. Over the same period, employment (Census measure) increased by only 825, from 11,434 to 12,259. Consequently, out-

Table 8Out-of-State Workers by County of ResidenceNumbers and Shares Ranked in Descending Order for 2000

| Share of Cou | unty Workers Worki | ng Outside Utal | h | Number of County Workers Working Outside Utah | | | | | | | |
|--------------------|--------------------|-----------------|-------|---|-------|--------|--------|--|--|--|--|
| Place of Residence | 1980 | 1990 | 2000 | Place of Residence | 1980 | 1990 | 2000 | | | | |
| Rich | 31.4% | 23.4% | 20.1% | Statewide Total | 8,100 | 11,154 | 11,569 | | | | |
| Kane | 26.2% | 22.7% | 19.1% | Salt Lake | 2,478 | 3,816 | 3,155 | | | | |
| San Juan | 6.7% | 6.0% | 10.4% | Utah | 731 | 1,216 | 1,376 | | | | |
| Daggett | 11.8% | 5.5% | 10.1% | Washington | 417 | 842 | 1,372 | | | | |
| Washington | 5.0% | 4.9% | 3.9% | Davis | 620 | 965 | 944 | | | | |
| Summit | 4.0% | 3.0% | 3.1% | Weber | 734 | 685 | 699 | | | | |
| Uintah | 3.7% | 4.9% | 3.0% | Tooele | 308 | 656 | 527 | | | | |
| Tooele | 3.0% | 5.8% | 2.9% | Cache | 334 | 376 | 509 | | | | |
| Grand | 2.0% | 1.9% | 2.7% | Kane | 347 | 441 | 501 | | | | |
| Piute | 4.9% | 4.8% | 2.7% | Summit | 182 | 220 | 501 | | | | |
| Iron | 1.5% | 2.1% | 1.8% | San Juan | 237 | 216 | 429 | | | | |
| Wayne | 6.0% | 4.9% | 1.5% | Uintah | 272 | 364 | 306 | | | | |
| Garfield | 7.0% | 2.8% | 1.4% | Iron | 95 | 177 | 274 | | | | |
| Emery | 1.5% | 1.6% | 1.3% | Rich | 272 | 149 | 159 | | | | |
| Cache | 1.5% | 1.3% | 1.2% | Box Elder | 109 | 153 | 130 | | | | |
| Duchesne | 3.3% | 2.1% | 1.1% | Grand | 71 | 52 | 108 | | | | |
| Millard | 1.9% | 1.7% | 1.1% | Sanpete | 73 | 72 | 89 | | | | |
| Statewide Total | 1.4% | 1.5% | 1.1% | Sevier | 89 | 103 | 65 | | | | |
| Sanpete | 1.6% | 1.3% | 1.1% | Duchesne | 137 | 93 | 61 | | | | |
| Sevier | 1.7% | 1.9% | 0.9% | Carbon | 59 | 74 | 60 | | | | |
| Utah | 1.0% | 1.2% | 0.8% | Emery | 56 | 57 | 54 | | | | |
| Davis | 1.1% | 1.2% | 0.8% | Millard | 61 | 71 | 54 | | | | |
| Beaver | 3.7% | 3.9% | 0.8% | Daggett | 32 | 16 | 38 | | | | |
| Weber | 1.3% | 1.0% | 0.8% | Wasatch | 89 | 96 | 35 | | | | |
| Box Elder | 0.9% | 1.1% | 0.7% | Garfield | 87 | 44 | 28 | | | | |
| Salt Lake | 0.9% | 1.2% | 0.7% | Juab | 48 | 35 | 24 | | | | |
| Juab | 2.4% | 1.5% | 0.7% | Morgan | 52 | 42 | 21 | | | | |
| Carbon | 0.7% | 1.0% | 0.7% | Beaver | 53 | 64 | 20 | | | | |
| Morgan | 2.9% | 1.8% | 0.7% | Wayne | 37 | 39 | 16 | | | | |
| Wasatch | 2.8% | 2.2% | 0.5% | Piute | 20 | 20 | 14 | | | | |

Source: U.S. Bureau of the Census, BEBR Calculations

Table 9Workers Crossing State Lines for WorkState Level and Salt Lake County

| State Level | 1980 | 1990 | 2000 |
|--|-------|--------|---------|
| Utah Residents Working Out of State (Export Labor) | 8,100 | 11,154 | 11,569 |
| U.S. Residents (Excluding Utahns) Working in Utah (Import Labor) | 3,017 | 3,328 | 12,482 |
| Net Exports Labor / (Imports) | 5,083 | 7,826 | (913) |
| Salt Lake | 1980 | 1990 | 2000 |
| Salt Lake Residents Working Out of State (Export Labor) | 2,478 | 3,816 | 3,155 |
| U.S. Residents (Not Utah Residents) Working in Salt Lake County (Import Labor) | 1,011 | 1,071 | 5,294 |
| Net Exports Labor / (Imports) | 1,467 | 2,745 | (2,139) |
| Difference | 1980 | 1990 | 2000 |
| Utah Residents Excluding Salt Lake County Working Out of State | 5,622 | 7,338 | 8,414 |
| U.S. Residents (Excluding Utahns) Working in Utah (Excluding Salt Lake County) | 2,006 | 2,257 | 7,188 |
| Net Exports Labor / (Imports) | 3,616 | 5,081 | 1,226 |
| Source: U.S. Bureau of the Census, BEBR Calculations | | | |

commuters increased from 2,187 to 8,187. Mean travel times to work increased (from 22.0 minutes to 32.1 minutes), as did the out-commuting rate (from 19.5 percent to 45.5 percent). This is the classic case of a "bedroom community." Similarly, in Davis County the number of workers residing in the county increased by 31,663 from 1990 to 2000 while the amount of employment only increased 22,891 over the same period, a deficit of 8,772.

In many cases, counties with high out-commuting rates also have not generated enough jobs to accommodate the number of resident workers needing employment. But this is not always the case and exceptions to this illustrate that commuting patterns are becoming much more complicated than in the past. Counties with outcommuting rates of greater than 28 percent in 2000 include Morgan (61.6 percent), Davis (45.7 percent), Tooele (45.5 percent), Wasatch (43.8 percent), Juab (40.3 percent), Summit (35.6 percent), Rich (35.3 percent), Piute (30.8 percent), Weber (29.2 percent), and Kane (28.8 percent). If out-commuting were based on a shortage of employment within the county for workers residing in the county, then we would expect this to be reflected in a high resident worker to available employment ratio. Counties with a resident worker to available employment ratio exceeding 1.2 in 2000 include Morgan (1.81), Tooele (1.47), Rich (1.44), Wasatch (1.35), Kane (1.33), Juab (1.32), Davis (1.26), and Piute (1.22). Absent from this list are Summit and Weber counties. As it turns out, 5,808 residents of Summit County report working out of the county while 4,991 nonresidents of Summit County report working in the county for a net difference of 817. Summit County residents out-commute mostly to Salt Lake County while the in-commuters to Summit County come primarily from Salt Lake and Wasatch counties. Similarly, in Weber County the number of residents working out of the county is reported in 2000 to be 26,673 while 21,555 people work at jobs in Weber County and live in other counties for a net difference of 5,118. Weber residents out-commute to Davis, Salt Lake, and Box Elder counties in large numbers. In-commuters to Weber County are coming mainly from Davis, Salt Lake, Box Elder, and Morgan counties. Commuting patterns in Utah are not explained simply by residential proximity to employment centers. The location of housing types (and associated costs), the industrial and occupational distribution of job opportunities in different areas, the skill sets of workers in different locations, and transportation costs (time and money) between locations all impact commuting patterns of a region. (Figures 11 and 12)

More Volume, Longer Distances, More Complex Patterns

Over the past 10 years, the volume of commuting to work has increased in all counties of the state. This is the result of a significant increase in the number of workers in Utah. Areas of rapid population and/or employment growth have had the most rapid rates of increase in workrelated commuting traffic. These include Utah County, counties in the southwestern area of the state (Washington and Iron), and counties in the expanding urban area of the state (Summit, Tooele, and Wasatch).

In addition to the increased volumes, people are commuting longer distances, particularly from counties in the more rural areas of the state and especially (although not exclusively) to Salt Lake County. For example, significant numbers of Sanpete County residents commute to Juab, Salt Lake, Sevier, and Utah counties. Residents of Morgan County commute in increasing numbers to Davis, Salt Lake, Summit, and Weber counties. New patterns of cross-commuting are emerging as well. For example, an estimated 803 commuters make the drive from Davis to Utah County while 842 make the reverse commute. All of this makes planning for transportation needs even more challenging. (Figures 13 and 14)

Footnotes

 Quality Growth Efficiency Tools (QGET) Workgroup, "Transportation," pages 35-44, from 2003 Baseline Scenario, May 2003.
 Structural increases in female labor force participation rates beginning in the 1960s had mostly run their course by 1990 and explain some of this increase in the national and state labor force. In Utah, similar increases in the aggregate female labor participation rates occurred, although age specific rates were different. For further information see Pam Perlich, "Labor Force Participation Rates in Utah," Bureau of Economic and Business Research, University of Utah, unpublished memorandum, January 2, 2003.

³ Bureau of the Census, Form D-61B, OMB No. 0607-0856, 2000.

⁴ U.S. Department of Transportation, *Changes in the Purpose of Travel Over Time. A Snapshot Analysis of the National Household Travel Survey* 2001, downloaded May, 2003 from http://nhts.ornl.gov/2001/

⁵ Alan E. Pisarski, *Commuting in America II: The Second National Report on Commuting Patterns and Trends*, Eno Transportation Foundation, Inc., 1996, pages 1-12.

⁶ The travel time data in the Journey to Work file refer only to the morning commute. Often the evening commute is combined with other trips.

⁷ Laurent Beisie, "Even with Jobs in Suburbs, Commutes Get Longer," *Christian Science Monitor*, March 7, 2003, online from csmonitor.com.

⁸ This measure of employment is lower than job counts produced by the Bureau of Labor Statistics and Bureau of Economic Analysis. Among other reasons, the results differ because the census questionnaire does not allow for multiple job holding.

| | | | | | | | Employment in the County Held by | | | | | | Employment in the County Held by | | | | | |
|-----------------|--------------|-----------|---------|-----------|-----------|--|----------------------------------|------------|---------|-----------|-----------|------------|----------------------------------|---------|---------|-----------|-----------|--|
| Total Employmen | t in the Cou | inty | | | | | Residents | of the Cou | inty | | | | Nonresidents of the County | | | | | |
| Total | E | mployment | | Char | nges | | Employment | | | Changes | | Employment | | | Changes | | | |
| Place of Work | 2000 | 1990 | 1980 | 1990-2000 | 1980-1990 | | 2000 | 1990 | 1980 | 1990-2000 | 1980-1990 | | 2000 | 1990 | 1980 | 1990-2000 | 1980-1990 | |
| Beaver | 2,549 | 1,649 | 1,377 | 900 | 272 | | 2,258 | 1,554 | 1,357 | 704 | 197 | | 291 | 95 | 20 | 196 | 75 | |
| Box Elder | 18,078 | 16,124 | 12,808 | 1,954 | 3,316 | | 13,570 | 11,938 | 10,755 | 1,632 | 1,183 | | 4,508 | 4,186 | 2,053 | 322 | 2,133 | |
| Cache | 40,800 | 27,354 | 20,699 | 13,446 | 6,655 | | 39,235 | 26,643 | 20,306 | 12,592 | 6,337 | | 1,565 | 711 | 393 | 854 | 318 | |
| Carbon | 8,657 | 7,378 | 7,973 | 1,279 | -595 | | 7,489 | 6,718 | 7,376 | 771 | -658 | | 1,168 | 660 | 597 | 508 | 63 | |
| Daggett | 356 | 302 | 228 | 54 | 74 | | 297 | 273 | 228 | 24 | 45 | | 59 | 29 | 0 | 30 | 29 | |
| Davis | 89,311 | 66,420 | 50,170 | 22,891 | 16,250 | | 61,208 | 44,256 | 33,019 | 16,952 | 11,237 | | 28,103 | 22,164 | 17,151 | 5,939 | 5,013 | |
| Duchesne | 5,084 | 4,467 | 4,330 | 617 | 137 | | 4,255 | 3,941 | 3,699 | 314 | 242 | | 829 | 526 | 631 | 303 | -105 | |
| Emery | 4,091 | 3,872 | 4,794 | 219 | -922 | | 3,220 | 3,040 | 3,330 | 180 | -290 | | 871 | 832 | 1,464 | 39 | -632 | |
| Garfield | 1,896 | 1,537 | 1,224 | 359 | 313 | | 1,776 | 1,463 | 1,146 | 313 | 317 | | 120 | 74 | 78 | 46 | -4 | |
| Grand | 4,203 | 2,821 | 3,232 | 1,382 | -411 | | 3,699 | 2,645 | 2,997 | 1,054 | -352 | | 504 | 176 | 235 | 328 | -59 | |
| Iron | 14,824 | 8,028 | 6,413 | 6,796 | 1,615 | | 13,882 | 7,798 | 6,252 | 6,084 | 1,546 | | 942 | 230 | 161 | 712 | 69 | |
| Juab | 2,552 | 1,938 | 2,017 | 614 | -79 | | 2,011 | 1,724 | 1,662 | 287 | 62 | | 541 | 214 | 355 | 327 | -141 | |
| Kane | 1,973 | 1,347 | 1,021 | 626 | 326 | | 1,867 | 1,347 | 967 | 520 | 380 | | 106 | 0 | 54 | 106 | -54 | |
| Millard | 4,826 | 4,434 | 3,169 | 392 | 1,265 | | 4,457 | 4,004 | 3,034 | 453 | 970 | | 369 | 430 | 135 | -61 | 295 | |
| Morgan | 1,746 | 1,303 | 1,205 | 443 | 98 | | 1,217 | 979 | 847 | 238 | 132 | | 529 | 324 | 358 | 205 | -34 | |
| Piute | 429 | 315 | 336 | 114 | -21 | | 362 | 315 | 336 | 47 | -21 | | 67 | 0 | 0 | 67 | 0 | |
| Rich | 550 | 488 | 617 | 62 | -129 | | 512 | 488 | 593 | 24 | -105 | | 38 | 0 | 24 | 38 | -24 | |
| Salt Lake | 484,486 | 347,440 | 283,368 | 137,046 | 64,072 | | 411,283 | 306,801 | 253,728 | 104,482 | 53,073 | | 73,203 | 40,639 | 29,640 | 32,564 | 10,999 | |
| San Juan | 3,574 | 3,542 | 3,563 | 32 | -21 | | 3,283 | 3,340 | 3,229 | -57 | 111 | | 291 | 202 | 334 | 89 | -132 | |
| Sanpete | 7,201 | 4,614 | 4,019 | 2,587 | 595 | | 6,706 | 4,489 | 3,929 | 2,217 | 560 | | 495 | 125 | 90 | 370 | 35 | |
| Sevier | 7,311 | 5,528 | 5,204 | 1,783 | 324 | | 6,714 | 5,209 | 4,973 | 1,505 | 236 | | 597 | 319 | 231 | 278 | 88 | |
| Summit | 15,477 | 7,458 | 4,281 | 8,019 | 3,177 | | 10,486 | 4,856 | 3,175 | 5,630 | 1,681 | | 4,991 | 2,602 | 1,106 | 2,389 | 1,496 | |
| Tooele | 12,259 | 11,434 | 10,770 | 825 | 664 | | 9,784 | 9,041 | 8,633 | 743 | 408 | | 2,475 | 2,393 | 2,137 | 82 | 256 | |
| Uintah | 9,742 | 6,885 | 6,689 | 2,857 | 196 | | 8,910 | 6,516 | 6,353 | 2,394 | 163 | | 832 | 369 | 336 | 463 | 33 | |
| Utah | 152,950 | 97,688 | 70,267 | 55,262 | 27,421 | | 140,834 | 93,254 | 68,491 | 47,580 | 24,763 | | 12,116 | 4,434 | 1,776 | 7,682 | 2,658 | |
| Wasatch | 5,072 | 2,666 | 2,238 | 2,406 | 428 | | 3,857 | 2,379 | 2,074 | 1,478 | 305 | | 1,215 | 287 | 164 | 928 | 123 | |
| Washington | 33,965 | 16,383 | 7,857 | 17,582 | 8,526 | | 32,708 | 15,853 | 7,744 | 16,855 | 8,109 | | 1,257 | 530 | 113 | 727 | 417 | |
| Wayne | 1,101 | 776 | 553 | 325 | 223 | | 952 | 736 | 540 | 216 | 196 | | 149 | 40 | 13 | 109 | 27 | |
| Weber | 86,226 | 67,233 | 53,270 | 18,993 | 13,963 | | 64,671 | 49,812 | 42,396 | 14,859 | 7,416 | | 21,555 | 17,421 | 10,874 | 4,134 | 6,547 | |
| Total | 1,021,289 | 721,424 | 573,692 | 299,865 | 147,732 | | 861,503 | 621,412 | 503,169 | 240,091 | 118,243 | | 159,786 | 100,012 | 70,523 | 59,774 | 29,489 | |

Table 10 County Employment: Workers Identified by Residence

| | Place | of Wor | k | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---------|-----------|--------|---------|---------|--------|----------|------------|----------|-------|----------|---------|-------|---------|--------|----------|--------|------------------|----------|---------|--------|----------------------|--------|---------------|-----------------|--------------|----------------|---|--------|--------------|----------------|
| Place of Residence | Beaver | Box Elder | Cache | Carbon | Daggett | Davis | Duchesne | Emery | Garfield | Grand | Iron | Juab | Kane | Millard | Morgan | Piute | Rich | Salt Lake | San Juan | Sanpete | Sevier | Summit | Tooele | Uintah | Utah | Wasatch | Washington | Wayne | Weber | Outside Utah | Total |
| Beaver | 2,258 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 104 | 1 | 0 | 9 | 0 | 15 | 0 | 15 | 0 | 2 | 9 | 0 | 5 | 0 | 0 | 0 | 19 | 0 | 0 | 20 | 2,460 |
| Box Elder | 0 | 13,570 | 631 | 0 | 0 | 660 | 0 | 0 | 4 | 5 | 0 | 0 | 0 | 2 | 7 | 0 | 2 | 401 | 0 | 0 | 0 | 22 | 26 | 0 | 26 | 0 | 14 | 1 | 2,529 | 130 | 18,030 |
| Cache | 2 | 2,383 | 39,235 | 7 | 2 | 334 | 9 | 5 | 0 | 8 | 1 | 0 | 10 | 6 | 16 | 0 | 25 | 463 | 0 | 0 | 0 | 3 | 8 | 0 | 94 | 0 | 5 | 0 | 606 | 509 | 43,731 |
| Carbon | 0 | 2 | 0 | 7,489 | 0 | 5 | 13 | 679 | 0 | 25 | 9 | 3 | 0 | 4 | 0 | 0 | 0 | 67 | 10 | 2 | 0 | 3 | 0 | 6 | 72 | 11 | 0 | 0 | 0 | 60 | 8,460 |
| Daggett | 0 | 0 | 0 | 0 | 297 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 13 | 5 | 0 | 0 | 0 | 1 | 38 | 377 |
| Davis | 0 | 313 | 199 | 0 | 0 | 61,208 | 12 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 96 | 0 | 0 | 33,851 | 0 | 21 | 8 | 83 | 178 | 6 | 803 | 31 | 44 | 28 | 14,876 | 944 | 112,717 |
| Duchesne | 0 | 0 | 2 | 19 | 3 | 13 | 4,255 | 2 | 0 | 2 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 109 | 0 | 2 | 6 | 62 | 11 | 692 | 25 | 86 | 8 | 0 | 5 | 61 | 5,370 |
| Emery | 2 | 0 | 3 | 795 | 0 | 2 | 0 | 3,220 | 2 | 98 | 2 | 0 | 0 | 2 | 0 | 11 | 0 | 43 | 9 | 2 | 18 | 1 | 0 | 0 | 19 | 3 | 7 | 0 | 0 | 54 | 4,293 |
| Garfield | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 1,776 | 0 | 45 | 0 | 4 | 0 | 0 | 2 | 0 | 10 | 52 | 0 | 16 | 0 | 0 | 0 | 26 | 0 | 12 | 5 | 0 | 28 | 1,983 |
| Grand | 0 | 0 | 6 | 2 | 0 | 8 | 0 | 37 | 0 | 3,699 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 60 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 12 | 0 | 108 | 3,958 |
| Iron | 187 | 0 | 0 | 14 | 0 | 10 | 0 | 0 | 14 | 0 1 | 3,882 | 0 | 37 | 35 | 8 | 14 | 0 | 19 | 0 | 9 | 9 | 0 | 0 | 0 | 32 | 7 | 677 | 8 | 13 | 274 | 15,249 |
| Juab | 0 | 8 | 0 | 10 | 0 | 4 | 6 | 0 | 0 | 2 | 0 2 | 2,011 | 0 | 72 | 0 | 0 | 0 | 143 | 0 | 37 | 4 | 6 | 73 | 0 | 959 | 3 | 1 | 6 | 0 | 24 | 3,369 |
| Kane | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 11 | 0 | 1,867 | 0 | 0 | 6 | 0 | 2 | 109 | 8 | 0 | 3 | 0 | 0 | 0 | 0 | 78 | 5 | 0 | 501 | 2,621 |
| Millard | 23 | 0 | 0 | 1 | 0 | 5 | 0 | 2 | 3 | 0 | 13 | 29 | 0 | 4,457 | 0 | 0 | 0 | 80 | 0 | 17 | 33 | 2 | 9 | 0 | 88 | 0 | 0 | 0 | 4 | 54 | 4,820 |
| Morgan | 0 | 8 | 0 | 0 | 0 | 604 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,217 | 0 | 0 | 273 | 0 | 0 | 0 | 107 | 3 | 0 | 9 | 4 | 0 | 0 | 922 | 21 | 3,168 |
| Piute | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 30 | 0 | 7 | 0 | 0 | 0 | 0 | 362 | 0 | 10 | 0 | 8 | 71 | 0 | 0 | 0 | 2 | 0 | 6 | 5 | 1 | 14 | 523 |
| Rich | 0 | 2 | 41 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 512 | 37 | 0 | 0 | 0 | 5 | 3 | 0 | 6 | 0 | 0 | 0 | 10 | 159 | 791 |
| Salt Lake | 46 | 80 | 224 | 47 | 17 | 8,370 | 47 | 0 | 12 | 27 | 45 | 27 | 7 | 44 | 81 | 0 | 04 | 111,283 | 36 | 57 | 6 | 2,678 | 1,656 | 74 | 8,075 | 246 | 194 | 9 | 2,084 | 3,155 | 438,627 |
| San Juan | 0 | 0 | 15 | 11 | 0 | 8 | 0 | 0 | 0 | 310 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 3,283 | 0 | 0 | 0 | 0 | 0 | / | 0 | 8 | 3 | 0 | 429 | 4,117 |
| Sanpete | 0 | 0 | 2 | 134 | 0 | 18 | 2 | 81 | 2 | 0 | 1 | 208 | 4 | 15 | 0 | 0 | 0 | 265 | 0 | 6,706 | 315 | 12 | 4 | 2 | 488 | 20 | 27 | 15 | 2 | 89 | 8,412 |
| Sevier | 23 | 0 | 5 | 2 | 0 | 105 | 0 | 2 | 9 | 2 | 89 | 30 | 0 | 29 | 0 | 13 | 0 | 91 | 0 | 260 | 6,/14 | 4 | 0 | 0 | 46 | 0 | 21 | 30 | 120 | 65 | 1,444 |
| Summit | 0 | 17 | 0 | 0 | 2 | 105 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 10 | 81 | 0 | 0 | 4,501 | 0 | 0 | 0 | 10,480 | 20 | 14 | 127 | 302 | 4 | 0 | 120 | 501 | 10,295 |
| llintoh | 0 | 0 | 2 | 4 25 | 25 | 202 | 606 | 2 | 9 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | U E | 7,051 | 0 | 0 | 0 | 4/ | 9,704 | 0 0 1 0 | 201 | 2 | 0 | 0 | 27 | 206 | 10 145 |
| Unitan | 0 | 4 | 12 | 20 | 22 | 20 | 25 | 2 20 | 0 | 16 | 0 20 | 242 | 2 | 125 | 71 | 0 | 0 | 02 10 150 | 6 | 50 | 26 | 12 | 260 | 0,910 25.1 | 10 024 | 161 | 101 | 0 | 217 | 300 1 276 | 162 577 |
| Wasatch | 0 | 14 | 12 | 0 | 0 | 642 | 22 | 29 | 0 | 10 | 20 | 242 | 0 | 0 | /1 | 0 | 0 | 10,139 | 0 | 00 | 00 | 1 500 | 11 | 251 | 40,034 | 401 2 057 | 101 | 4 | 217 | 1,570 | 6 960 |
| Washington | 1 | 0 | 2 | 0 | 0 | 7 | 0 | 12 | 0 | 2 | 5 | 0 | /1 | 1 | 0 | 6 | 0 | 024 207 | 0 | 7 | 10 | 1,509 | 7 | 0 | 490 | נס,כ דר | 007.00 | 7 | 00 | 1 272 | 25.064 |
| Wayno | 4 | 0 | 2/ | 0 | 0 | / | 0 | 12 | 5 | 2 | 544 6 | 1 | 41 | י ר | 0 | 0 | 0 | 207 | 0 | 6 | 10 | 2 | 0 | 0 | 50 | 2/3 | 02,700 ۲ | 057 | 0 | 1,572 | 1 097 |
| Weber | 0 | 1 671 | 370 | 12 | 0 | 16 659 | 0 | 3 | 0 | 5 | 0 | 0 | 0 | 0 | 163 | 0 | 0 | 6 / 25 | 0 | 7 | -40 | 73 | 76 | 0 | /58 | 12 | 20 | 01 | 6/ 671 | 600 | 01 3 <i>1/</i> |
| In-State Total | 2 5 4 9 | 18 078 | 40 800 | 8 657 | 356 | 89 311 | 5 08/ | ر 4 091 | 1 896 | 4 203 | 14 874 | 2 5 5 2 | 1 973 | 4 876 | 1 746 | ں 470 | 550 | 0,423 181 186 | 3 57/ | 7 201 | 7 311 | در 15 <i>4</i> 77 | 12 250 | 9742 | 4.00 152 950 | 5 072 | 29 23 965 1 | 1 101 | 86 226 | 11 56 | 1 032 858 |
| | 2,343 | 10,070 | 40,000 | 5,057 | 550 | 55,511 | 5,004 | וכט,ד | 1,050 | 7,203 | 17,024 | 2,332 | 210,0 | 7,020 | 1,740 | 42 J | 550 | -0-,-00 | 5,574 | 7,201 | ווכ,ז | 1,14,1 | 12,233 | 5,142 | 1 32,330 | 3,012 | 5,505 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 00,220 | 1,50 | 1,052,050 |
| Outside Utah | 59 | 651 | 1,979 | 217 | 110 | 537 | 49 | 17 | 22 | 89 | 68 | 7 | 269 | 39 | 31 | 0 | 63 | 5,294 | 363 | 10 | 50 | 389 | 403 | 104 | 562 | 27 | 781 | 6 | 286 | 9 | 12,482 |

Source: U.S. Bureau of the Census, BEBR Calculations

Washington **Box Elder** Duchesne Salt Lake San Juan Wasatch Daggett Garfield Morgan Sanpete Summit Carbon Millard Beaver Cache Tooele Uintah Wayne Weber Emery Grand Sevier Place of Davis Piute Utah Kane Juab Rich Iron Residence Beaver (2) (2) (83) (4) (14) (31) (14) (8) Box Elder 0 (1,752) (2) (1) (4) Cache 1,752 0 (16) (15) (2) (5) (2) (32) (2) (7) (3) (5) (4) (12) Carbon (6) (116) (7) (7) (1) (132) (2) (19) (3) (2) Daggett (2) (3) (22) Davis (347) (135) (5) (6) (1) (2) (8) (4) (5) (508) (8) (1)(22) (161) (14)(39) (34) (1,783) 25,481 (10) (6) (4) (10) Duchesne (7) (2) (2) (2) (5) (12) (3) Emery (79) (3) (10)Garfield (3) (4) (23) (5) (493) (2) (2) (9) Grand (2) (2) (2) (11) (250) (2) (11)(2) (2) (5) (5) (23) (61) (2) (5) (26) (3) (6) Iron (1) (6) (4) (31) (80) (1) Juab (171)(26)Kane (10)(26)(5) (3) Millard (2) (22) (1) (1) (2) (6) (3) (3) (43) (47) (8) (62) Morgan (16) (6) (7) (6) Piute (15) (11) Rich (1) (5) Salt Lake (239) (25, 481)(62) (43) (116) (36) (192) (7) (208) (85) (1,823) (5,375) (8) (10,084) (578) (13) (10) (4,341) (321) (20) (37) (10) (9) (52) (6) San Juan (109) (5) Sanpete (2) (3) (8) (4) (2) (8) Sevier (6) (16) (7) (4) 0 (58) (55) (16) (2) (5) (62) (1) (6) (3) (2) (21) (210) (1,207) (15) Summit (3) (3) (26) 1,823 (12) (4) (3) (49) Tooele (5) (20) (3) (7) (73) (186) (70) (3) 5,375 (4) (10) (204) (9) (7) Uintah (2) (2) (2) (1) (37) (2) (141) Utah (12) (82) 3 (5) (26)(4) (717) (6) 10.084 (438) (10) (12) Wasatch (3) (4) (3) (27) (11) (81) (4) (20) 1,207 (37) (8) (1) (37) (8) (63) (29) Washington (15) (14) (12) (133)(20) (3) Wayne (1) (28) (12) (2) (5) (5) (9) (5) (5) (11)Weber 0 (858) (227) 12 (1) 1,783 (5) (13) (1) (10) (47) (26) (4) (759) 4,341 Net In-109 178 (2,422) 257 17 (22,462) (225) (148) (59) (151) (793) (147) 60 (1,401) (80) (82) 49,014 (114) (1,122) (68) (317) (5,180) (97) (9,251) (1,753) 30 (4.419)

Table 12 Net Commuting Between Counties in Utah: 2000

Place of Work

Commuting

| | Place | of Wor | k | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--------|-----------|--------|--------|---------|--------|----------|-------|----------|-------|-------|-------|-------|---------|--------|-------|------|-----------|----------|---------|--------|--------|--------|--------|--------|---------|------------|-------|--------|--------------|---------|
| Place of Residence | Beaver | Box Elder | Cache | Carbon | Daggett | Davis | Duchesne | Emery | Garfield | Grand | Iron | Juab | Kane | Millard | Morgan | Piute | Rich | Salt Lake | San Juan | Sanpete | Sevier | Summit | Tooele | Uintah | Utah | Wasatch | Washington | Wayne | Weber | Outside Utah | Total |
| Beaver | 1,554 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 1,660 |
| Box Elder | 0 | 11,938 | 319 | 0 | 0 | 486 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 205 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 1,321 | 153 | 14,438 |
| Cache | 0 | 2,070 | 26,643 | 0 | 0 | 254 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 220 | 0 | 10 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 378 | 376 | 30,003 |
| Carbon | 0 | 0 | 0 | 6,718 | 0 | 0 | 0 | 538 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 11 | 0 | 14 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 74 | 7,429 |
| Daggett | 0 | 0 | 0 | 0 | 273 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 289 |
| Davis | 0 | 282 | 48 | 0 | 0 | 44,256 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 59 | 0 | 0 | 23,862 | 0 | 0 | 0 | 102 | 101 | 0 | 179 | 0 | 0 | 0 | 11,187 | 965 | 81,054 |
| Duchesne | 0 | 0 | 0 | 10 | 0 | 0 | 3,941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 327 | 31 | 11 | 0 | 0 | 0 | 93 | 4,443 |
| Emery | 0 | 0 | 0 | 380 | 0 | 0 | 0 | 3,040 | 0 | 88 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 11 | 0 | 57 | 3,626 |
| Garfield | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,463 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 44 | 1,568 |
| Grand | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 33 | 0 2 | 2,645 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 2,758 |
| Iron | 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 7,798 | 0 | 0 | 14 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 257 | 0 | 0 | 177 | 8,366 |
| Juab | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,724 | 0 | 149 | 0 | 0 | 0 | 57 | 0 | 13 | 0 | 0 | 115 | 0 | 247 | 0 | 0 | 0 | 0 | 35 | 2,340 |
| Kane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,347 | 0 | 0 | 0 | 0 | 0 | 151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 441 | 1,939 |
| Millard | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 4,004 | 0 | 0 | 0 | 35 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 4,165 |
| Morgan | 0 | 15 | 0 | 0 | 0 | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 979 | 0 | 0 | 159 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 639 | 42 | 2,287 |
| Piute | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 315 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 417 |
| Rich | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 488 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149 | 637 |
| Salt Lake | 0 | 38 | 81 | 0 | 0 | 8,105 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 35 | 0 | 0 | 0 | 306,801 | 0 | 28 | 0 | 1,305 | 1,840 | 28 | 3,249 | 84 | 112 | 0 | 3,691 | 3,816 | 329,238 |
| San Juan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,340 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 216 | 3,619 |
| Sanpete | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 160 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 122 | 0 | 4,489 | 186 | 0 | 0 | 0 | 72 | 0 | 10 | 11 | 0 | 72 | 5,346 |
| Sevier | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 73 | 0 | 49 | 5,209 | 0 | 0 | 0 | 25 | 0 | 16 | 0 | 0 | 103 | 5,563 |
| Summit | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 1,935 | 0 | 0 | 0 | 4,856 | 0 | 0 | 73 | 65 | 0 | 0 | 80 | 220 | 7,338 |
| Tooele | 0 | 12 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,457 | 0 | 0 | 0 | 0 | 9,041 | 0 | 0 | 0 | 0 | 0 | 0 | 656 | 11,228 |
| Uintah | 0 | 0 | 0 | 0 | 29 | 0 | 526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 6,516 | 0 | 0 | 0 | 0 | 0 | 364 | 7,453 |
| Utah | 0 | 20 | 16 | 79 | 0 | 351 | 0 | 47 | 16 | 0 | 0 | 135 | 0 | 85 | 0 | 0 | 0 | 8,043 | 0 | 25 | 40 | 99 | 313 | 0 | 93,254 | 109 | 106 | 0 | 81 | 1,216 | 104,035 |
| Wasatch | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 342 | 0 | 0 | 0 | 998 | 0 | 0 | 372 | 2,379 | 0 | 0 | 44 | 96 | 4,276 |
| Washington | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 10 | 0 | 11 | 0 | 37 | 18 ' | 15,853 | 0 | 0 | 842 | 17,023 |
| Wayne | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 736 | 0 | 39 | 792 |
| Weber | 0 | 1,749 | 247 | 0 | 0 | 12,387 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102 | 0 | 0 | 3,894 | 0 | 0 | 0 | 62 | 13 | 14 | 52 | 0 | 29 | 0 | 49,812 | 685 | 69,046 |
| In-State Total | 1,649 | 16,124 | 27,354 | 7,378 | 302 | 66,420 | 4,467 | 3,872 | 1,537 | 2,821 | 8,028 | 1,938 | 1,347 | 8,438 | 2,282 | 630 | 488 | 347,440 | 3,542 | 4,614 | 5,528 | 7,458 | 11,434 | 6,885 | 97,688 | 2,666 | 16,383 | 776 | 67,233 | 11,154 | 732,376 |
| Outside Utah | 0 | 375 | 964 | 0 | 12 | 50 | 14 | 52 | 0 | 0 | 0 | 0 | 165 | 0 | 0 | 0 | 14 | 1,071 | 181 | 0 | 0 | 10 | 124 | 0 | 129 | 10 | 98 | 0 | 59 | | 3,328 |

Table 13 Utah Journey to Work by County: 1990

Table 14 Utah Journey to Work by County: 1980

| Place of Residence | Beaver | Box Elder | Cache | Carbon | Daggett | Davis | Duchesne | Emery | Garfield | Grand | Iron | Juab | Kane | Millard | Morgan | Piute | Rich | Salt Lake | San Juan | Sanpete | Sevier | Summit | Tooele | Uintah | Utah | Wasatch | Washington | Wayne | Weber | Outside Utah | Total |
|-----------------------|--------|-----------|--------|--------|----------|--------|----------|-------|----------|-------|-------|-------|-------|---------|--------|-------|------|-----------|----------|---------|--------|--------|--------|--------|--------|---------|------------|-------|--------|--------------|---------|
| Beaver | 1,357 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 1,420 |
| Box Elder | 0 | 10,755 | 286 | 0 | 0 | 392 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,063 | 109 | 12,751 |
| Cache | 0 | 921 | 20,306 | 0 | 0 | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 157 | 0 | 0 | 0 | 0 | 0 | 35 | 13 | 0 | 0 | 0 | 414 | 334 | 22,325 |
| Carbon | 0 | 11 | 0 | 7,376 | 0 | 0 | 11 | 791 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 59 | 8,322 |
| Daggett | 0 | 0 | 0 | 0 | 228 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 271 |
| Davis | 0 | 49 | 0 | 0 | 0 | 33,019 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 19 | 0 | 24 | 18,094 | 0 | 0 | 0 | 23 | 24 | 0 | 105 | 0 | 0 | 0 | 6,893 | 620 | 58,893 |
| Duchesne | 0 | 0 | 0 | 0 | 0 | 0 3 | 3,699 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 248 | 17 | 38 | 0 | 0 | 26 | 137 | 4,175 |
| Emery | 0 | 0 | 0 | 294 | 0 | 0 | 0 3 | 3,330 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 56 | 3,784 |
| Garfield | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,146 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 87 | 1,248 |
| Grand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 14 3 | 2,997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 296 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 71 | 3,466 |
| Iron | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 6,252 | 0 | 14 | 14 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 95 | 6,547 |
| Juab | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,662 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 37 | 0 | 0 | 28 | 0 | 146 | 0 | 0 | 0 | 0 | 48 | 1,989 |
| Kane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 347 | 1,324 |
| Millard | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 0 3 | 3,034 | 0 | 0 | 0 | 17 | 0 | 0 | 11 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 61 | 3,165 |
| Morgan | 0 | 0 | 0 | 0 | 0 | 265 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 847 | 0 | 0 | 115 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 469 | 52 | 1,794 |
| Piute | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 3 | 336 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 408 |
| Rich | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 ! | 593 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 272 | 865 |
| Salt Lake | 0 | 123 | 0 | 0 | 0 | 4,829 | 37 | 53 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 02 | 253,728 | 0 | 0 | 0 | 513 | 1,876 | 0 | 1,037 | 49 | 0 | 0 | 1,779 | 2,478 | 266,549 |
| San Juan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 53 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 3,229 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 237 | 3,546 |
| Sanpete | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 264 | 0 | 0 | 0 | 53 | 0 | 10 | 0 | 0 | 0 | 38 | 0 : | 3,929 | 152 | 0 | 0 | 0 | 8/ | 0 | 0 | 0 | 0 | /3 | 4,626 |
| Sevier | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 0 | 0 | 0 | 10 | 0 | 40 | 0 | 0 | 0 | 24 | 13 | 29 | 4,973 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 89 | 5,299 |
| Summit | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 1,039 | 0 | 0 | 0 | 3,175 | 0 | 0 | 10 | 22 | 0 | 0 | 41 | 182 | 4,592 |
| looele | 0 | 25 | 12 | 0 | 0 | 40 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,062 | 0 | 0 | 0 | 18 | 8,633 | 0 | 0 | 0 | 0 | 0 | 119 | 308 | 10,249 |
| Uintah | 0 | 0 | 0 | 0 | 0 | 0 | 583 | 11 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 16 | 0 | 6,353 | 0 | 38 | 0 | 13 | 36 | 2/2 | 7,348 |
| Utan | 0 | 0 | 31 | 246 | 0 | 104 | 0 | 127 | 0 | 31 | 18 | 215 | 0 | 21 | 0 | 0 | 0 | 5,520 | 25 | 24 | 0 | 16 | 209 | 0 | 68,491 | 1/ | 0 | 0 | 34 | /31 | /5,860 |
| wasatch | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122 | 0 | 10 | 0 | 0 | 0 | 0 | 296 | 0 | 0 | 0 | 439 | 0 | 19 | 291 | 2,074 | 0 | 0 | 0 | 89 | 3,208 |
| Washington | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133 | 0 | 10 | 0 | 0 | 0 | 0 | /9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,144 | 0 | 0 | 417 | 8,383 |
| Wayne | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 540 | 0 | 3/ | 617 |
| weber | 1 277 | 924 | 20,600 | 0 | 0 220 | 11,370 | 4 220 | U | 1 224 | 0 | 6 412 | 0 | 1 021 | 0 | 140 | 0 | 0 | 2,900 | 2 5 6 2 | U | U | 1 201 | 10 770 | 54 | 10 | 2 2 2 0 | 7 05 7 | 552 | +2,390 | 9 1 0 0 | 20,02/ |
| in-state lotal | 1,3// | 12,808 | 20,699 | 1,973 | 228 | 50,170 | 4,530 | 4,794 | 1,224 | 5,232 | 0,413 | 2,017 | 1,021 | 5,133 | 1,100 | 550 | 01/ | 283,368 | 5,503 | 4,019 | 5,204 | 4,281 | 10,770 | 0,089 | 70,267 | 2,238 | /,85/ | 222 | 55,270 | 8,100 | 160,180 |
| Outside Utah | 17 | 174 | 516 | 14 | 31 | 71 | 11 | 63 | 13 | 66 | 12 | 0 | 64 | 27 | 0 | 0 | 20 | 1,011 | 273 | 76 | 0 | 64 | 117 | 34 | 242 | 0 | 16 | 14 | 71 | | 3,017 |



Source: Bureau of the Census; and Avenue Script by Adam Sobek, Digit Lab, University of Utah

Figure 9 In-Commuting to Salt Lake County: 2000

For Values of 250 or Greater



Source: Bureau of the Census; and Avenue Script by Adam Sobek, Digit Lab, University of Utah





Source: Bureau of the Census; and Avenue Script by Adam Sobek, Digit Lab, University of Utah

Figure 10 Out-Commuting from Salt Lake County: 2000

For Values of 250 or Greater





Source: Bureau of the Census data, BEBR Calculations

Figure 13 In-State County-to-County Commuting: 1980



Sources: Bureau of the Census; and Avenue Script by Adam Sobek, Digit Lab, University of Utah



Source: Bureau of the Census data, BEBR Calculations

Figure 14 In-State County-to-County Commuting: 2000



Sources: Bureau of the Census; and Avenue Script by Adam Sobek, Digit Lab, University of Utah

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UTAH ECONOMIC AND BUSINESS REVIEW

VOLUME 63 NOs. 5 & 6

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