## CHAPTER 4

## OVERALL TRIP RATES

TABLE 4.1 Daily person trips by residents (metro area)

| Site | $\begin{aligned} & \text { Year } \\ & \text { Data } \end{aligned}$ | Total Daily Person Trips | Person Trips in Private Vehicles | Transit Person Trips | Non-Motorized Person Trips | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albuquerque | 1992 | 2,750,000 | 2,664,000 | 15,900 | 180,000 |  |
| Amarillo, TX | 1991 | 704,124 | 683,520 | 3,501 | 2,624 |  |
| Atlanta | 1991 | 11,015,302 | 6,879,339 | 263,218 |  |  |
| Baltimore | 1993 | 6,091,000 | 4,993,000 | 196,000 | N/A |  |
| Brownsville, TX | 1991 | 292,994 | 270,128 | 4,658 | 2,624 |  |
| Cincinnati | 1995 | 6,158,515 | 4,012,655 | 81,587 | N/A |  |
| Cleveland | 1994 | 8,576,475 | 7,426,477 | 163,292 | 716,125 |  |
| Eugene | 1994 | 1,210,000 | 1,015,000 | 24,000 | 171,000 |  |
| Las Vegas | 1998 | 5,057,000 | 4,105,853 |  |  |  |
| Los Angeles | 2000 | 49,999,541 | 36,260,752 | 1,454,859 | 507,744 |  |
| Madison | 1990 | 1,217,848 | 1,188,055 | 29,793 |  |  |
| Minn./St. Paul | 1990 | 8,860,634 | 6,711,500 | 225,128 | N/A | 49,100 |
| New York City | 1995 | 38,989,432 |  |  |  |  |
| Reno | 1998 | 948,662 | 901,855 | 22,825 | N/A |  |
| San Antonio | 1991 | 3,802,513 | 3,339,644 | 117,837 | 197,615 |  |
| San Francisco | 1996 | 18,076,332 | 14,963,986 | 1,221,217 | 1,891,129 |  |
| Sher-Den, TX | 1991 | 331,251 | 311,376 | 2,489 | 9,150 |  |
| Tucson | 1993 | 2,253,613 | 1,916,572 | 47,345 | 227,544 |  |
| Washington, DC | 1994 |  | 13,510,600 | 476,000 |  |  |

Source: Surveys of MPOs.

TABLE 4.2P Daily person trip rates, latest survey

| Site | Year | Population | All Trips |  | Vehicle Trips |  | Transit Trips |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Daily Trips | Per Capita | Daily Trips | Per Capita | Daily Trips | Per Capita |
| Albuquerque | 1992 | 693,000 | 2,750,000 | 3.97 | 2,664,000 | 3.84 | 15,900 | 0.02 |
| Amarillo, TX | 1991 | 197,547 | 704,124 | 3.56 | 683,520 | 3.46 | 3,501 | 0.02 |
| Atlanta | 1991 | 3,366,408 | 11,015,302 | 3.27 | 6,879,339 | 2.04 | 263,278 | 0.08 |
| Brownsville, TX | 1991 | 98,962 | 292,994 | 2.96 | 270,128 | 2.73 | 4,658 | 0.05 |
| Cincinnati | 1995 |  |  | 3.77 |  |  |  |  |
| Cleveland | 1994 | 2,129,203 | 8,576,475 | 4.02 | 7,426,477 | 3.49 | 163,292 | 0.08 |
| Denver | 1997 | 2,169,400 | 8,236,500 |  | 7,256,400 |  | 164,400 |  |
| Eugene | 1994 | 218,000 | 1,210,000 | 5.55 | 1,015,000 | 4.66 | 24,000 | 0.11 |
| Ft. Collins | 1995 |  |  | 4.25 |  |  |  |  |
| Kansas City | 1991 |  |  | 2.40 |  |  |  |  |
| Las Vegas | 1998 |  | 5,057,000 |  | 4,105,853 |  |  |  |
| Los Angeles | 1991 |  | 42,132,875 |  | 35,548,686 |  |  |  |
| Madison | 1990 | 317,581 | 1,217,848 | 3.83 | 1,188,055 | 3.74 | 29,793 | 0.09 |
| Minn./St. Paul | 1990 | 2,288,721 | 8,860,634 | 3.87 | 6,711,500 | 2.93 | 225,128 | 0.10 |
| New York City | 1995 | 11,277,407 | 38,989,432 | 3.74 |  |  |  |  |
| Phoenix | 1988 |  |  | 4.16 |  |  |  |  |
| Reno | 1991 | 300,041 | 948,662 | 3.16 | 901,855 | 3.01 | 22,825 | 0.08 |
| San Antonio | 1991 | 1,185,394 | 3,802,513 | 3.21 | 3,339,644 | 2.82 | 117,837 | 0.10 |
| San Francisco | 1996 | 6,023,577 | 18,076,332 | 3.00 | 14,963,986 | 2.48 | 1,221,217 | 0.20 |
| Seattle | 1998 | 3,149,700 |  | 4.14 |  |  |  |  |
| Sher-Den, TX | 1991 | 95,021 | 331,251 | 3.49 | 311,376 | 3.28 | 2,489 | 0.03 |
| Tucson | 1993 | 637,094 | 2,253,613 | 3.54 | 1,916,572 | 3.01 | 47,345 | 0.07 |
| Washington, DC | 1994 | 5,066,600 |  |  | 13,510,600 | 2.67 | 476,000 | 0.09 |
| Wilmington, DE | 1995 |  |  | 2.22 |  |  |  | 0.02 |

Source: Surveys of MPOs.

TABLE 4.2PA Daily person trip rates, prior survey

| Site | Year | All Trips |  | Vehicle Trips Daily Trips | Transit Trips Daily Trips |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Daily Trips | Per Capita |  |  |
| Atlanta | 1972 | 4,087,000 | 2.49 | 36,496,691 | 425,078 |
| Baltimore | 1977 | 3,407,541 | 2.90 | 3,042,934 | 364,607 |
| Buffalo | 1973 |  | 2.50 |  |  |
| Chicago | 1979 |  | 2.40 |  |  |
| Dallas | 1984 |  | 3.40 |  |  |
| Denver | 1971 |  | 2.83 |  |  |
| Detroit | 1980 |  | 2.59 |  |  |
| Kansas City | 1970 | 3,573,000 |  |  |  |
| Los Angeles | 1976 | 31,949,900 | 2.99 |  |  |
| Louisville | 1975 | 1,857,765 | 2.19 |  |  |
| Milwaukee | 1972 | 4,681,900 | 2.50 |  |  |
| Minn./St. Paul | 1982 | 6,700,000 | 3.37 |  |  |
| Philadelphia | 1977 | 25,380,000 | 2.45 |  |  |
| Phoenix | 1980 | 3,715,565 | 2.44 |  |  |
| Portland, OR | 1977 | 3,550,300 | 3.67 |  |  |
| Rochester | 1974 |  | 2.56 |  |  |
| Sacramento | 1974 |  | 3.39 |  |  |
| San Diego | 1977 |  | 3.50 |  |  |
| San Francisco | 1980-1981 | 17,168,000 | 3.40 |  |  |
| Seattle | 1977 | 5,504,910 |  |  |  |
| Washington, DC | 1968 | 2,714,000 | 2.17 |  |  |

Source: Surveys of MPOs.

TABLE 4.2H Daily household trip rates, latest survey

| Site | Year | Population | All Trips |  | Vehicle Trips |  | Transit Trips |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Daily Trips | Per Hsld. | Daily Trips | Per Hsld. | Daily Trips | Per Hsld. |
| Albuquerque | 1992 | 272,910 | 2,750,000 | 10.08 | 2,664,000 | 9.76 | 15,900 | 0.06 |
| Amarillo, TX | 1991 |  | 704,124 |  | 683,520 |  | 3,501 |  |
| Atlanta | 1991 | 1,303,719 | 11,015,302 | 8.45 | 6,879,339 | 5.28 | 263,278 | 0.20 |
| Baltimore | 1993 | 867,600 | 6,091,000 | 7.02 | 4,993,000 | 5.75 | 196,000 | 0.23 |
| Brownsville, TX | 1991 |  | 292,994 |  | 270,128 |  | 4,658 |  |
| Cincinnati | 1995 | 1,817,569 | 6,158,515 | 9.76 | 4,012,655 |  | 81,587 |  |
| Cleveland | 1994 | 2,129,203 | 8,576,475 | 10.39 | 7,426,477 |  | 163,292 |  |
| Eugene | 1994 | 218,000 | 1,210,000 | 12.99 | 1,015,000 |  | 24,000 |  |
| Ft. Collins | 1995 |  |  | 10.66 |  |  |  |  |
| Kansas City | 1991 |  |  | 7.60 |  | 5.4 |  | 0.20 |
| Las Vegas | 1998 | 607,480 | 5,057,000 | 8.32 | 4,105,853 | 6.76 |  |  |
| Los Angeles | 1991 | 5,429,530 | 49,999,541 | 7.60 | 36,260,752 | 6.68 | 1,454,859 | 0.27 |
| Madison | 1990 | 317,581 | 1,217,848 | 9.75 | 1,188,055 |  | 29,793 |  |
| Minn./St. Paul | 1990 | 875,504 | 8,860,634 | 10.12 | 6,711,500 | 7.7 | 225,128 | 0.26 |
| New York City | 1995 | 3,754,251 | 38,989,432 | 10.39 |  |  |  |  |
| Phoenix | 1988 |  |  | 8.38 |  |  |  |  |
| Reno | 1991 | 124,428 | 948,662 | 7.62 | 901,855 | 7.2 | 22,825 | 0.18 |
| Sacramento | 1991 |  |  | 9.72 |  |  |  |  |
| San Antonio | 1991 |  | 3,802,513 |  | 3,339,644 |  | 117,837 |  |
| San Francisco | 1996 |  | 18,076,332 |  | 14,963,986 |  | 1,221,217 |  |
| Seattle | 1998 | 3,149,700 |  | 8.38 |  |  |  |  |
| Sher-Den, TX | 1991 |  | 331,251 |  | 311,376 |  | 2,489 |  |
| Tucson | 1993 |  | 2,253,613 |  | 1,916,572 |  | 47,345 |  |
| Washington, DC | 1994 | 5,066,600 |  |  | 13,510,600 |  | 476,000 |  |
| Wilmington, DE | 1995 |  |  | 5.73 |  |  |  | 0.06 |

Source: Surveys of MPOs.

TABLE 4.2HA Daily household trip rates, prior survey

|  |  |  |  |
| :--- | :--- | :---: | :--- |
| Site | Year | All Trips Per Hsld. | Vehicle Trips Per Hsld. |
|  |  |  |  |
| Atlanta | 1972 | 7.20 |  |
| Baltimore | 1977 | 8.30 |  |
| Buffalo | 1973 | 7.50 |  |
| Chicago | 1979 | 7.20 | 6.68 |
| Dallas | 1984 | 8.76 | 8.30 |
| Denver | 1971 | 7.47 |  |
| Detroit | 1980 | 8.15 | 6.00 |
| Los Angeles | 1976 | 6.34 | 6.10 |
| Louisville | 1975 | 7.90 | 6.00 |
| Milwaukee | 1972 | $\mathrm{~N} / \mathrm{A}$ |  |
| Minn./St. Paul | 1982 | 7.66 | 6.58 |
| Philadelphia | 1977 | 8.66 | 8.03 |
| Phoenix | 1980 | 9.34 |  |
| Portland, OR | 1977 | 9.80 |  |
| Rochester | 1974 | 8.71 |  |
| Sacramento | 1978 | 6.63 |  |
| San Diego | 1977 |  |  |
| San Francisco | $1980-1981$ | 1977 |  |
| Seattle |  |  |  |
|  |  |  |  |

Source: Surveys of MPOs.

TABLE 4.3PA Person trip rates by household size, prior survey

|  |  | Daily Trips Per Person By Hsld. Size |  |  |  |
| :--- | :---: | :---: | :---: | :---: | ---: |
| Site | Year | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{2}$ | $\mathbf{4 +}$ |
|  |  |  |  |  |  |
| Buffalo | 1973 | 2.0 | 2.5 | 2.8 | 2.8 |
| Chicago | 1979 | 2.3 | 2.7 | 2.1 | 2.3 |
| Los Angeles | 1976 | 3.0 | 3.2 | 3.0 | 2.7 |
| Milwaukee | 1972 | 2.4 | 2.8 | 2.7 | 2.6 |
| Phoenix | 1980 | 2.9 | 2.8 | 2.5 | 2.2 |
| Rochester | 1974 | 2.3 | 2.8 | 2.8 | 2.8 |
| Sacramento | 1978 | 3.0 | 3.5 | 3.3 | 3.7 |
| San Diego | 1977 | 3.2 | 3.6 | 3.6 | 3.5 |
| San Francisco | $1980-1981$ | 4.0 | 3.5 | 3.2 | 3.4 |
|  |  |  |  |  |  |

Source: Surveys of MPOs.

TABLE 4.3H Household trip rates by household size, latest survey

| Site | Year | Percentage Of Households By Number Of Members |  |  |  | Average \# Members | Daily Trips Per Household By Household Size |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1 | 2 | 3 | 4+ |  | 1 | 2 | 3 | 4+ |
| Albuquerque | 1992 | 18.93 | 37.35 | 18.75 | 24.97 | 2.54 |  |  |  |  |
| Amarillo, TX | 1991 | 21.41 | 33.46 | 18.89 | 26.24 | 2.59 | 4.40 | 8.80 | 11.56 | 18.51 |
| Atlanta | 1991 |  |  |  |  | 3.55 |  |  |  |  |
| Baltimore | 1993 | 23.40 | 31.10 | 19.30 | 26.20 | 2.70 | 3.19 | 6.30 | 8.59 | 12.44 |
| Brownsville, TX | 1991 | 14.80 | 24.80 | 22.80 | 37.60 | 3.73 | 5.14 | 8.83 | 10.98 | 17.86 |
| Cleveland | 1994 | 27.00 | 32.00 | 18.00 | 23.00 | 2.58 |  |  |  |  |
| Eugene | 1994 | 30.10 | 35.10 | 15.10 | 18.70 | 2.44 | 4.99 | 9.55 | 14.12 | 22.91 |
| Kansas City | 1991 | 15.60 | 35.10 | 20.30 | 28.40 |  |  |  |  |  |
| Los Angeles | 1991 |  |  |  |  |  | 4.04 | 6.62 | 8.91 | 10.83 |
| Madison | 1990 | 28.00 | 34.50 | 16.00 | 22.00 | 2.54 | 2.90 | 5.87 | 6.06 | 7.79 |
| Minn./St. Paul | 1990 | 25.40 | 32.30 | 17.10 | 25.20 | 2.56 | 3.80 | 8.40 | 12.20 | 15.9 (for 4 |
| New York City | 1995 | 35.90 | 26.60 | 29.80 | 7.70 | 2.66 |  |  |  |  |
| Phoenix | 1988 |  |  |  |  |  | 4.11 | 6.92 | 9.46 | 27.11 |
| Reno | 1991 | 27.00 | 39.50 | 14.00 | 20.00 |  |  |  |  |  |
| San Antonio | 1991 | 20.86 | 28.61 | 18.78 | 31.76 | 2.89 | 4.07 | 7.60 | 10.20 | 15.49 |
| San Diego | 1995 |  |  |  |  | 2.61 |  |  |  |  |
| San Francisco | 1996 | 26.0. | 32.30 | 16.70 | 25.00 |  | 3.64 | 6.34 | 8.43 | 12.60 |
| Seattle | 1998 | 21.40 | 41.40 | 15.00 | 22.20 | 2.51 | 4.30 | 7.80 | 10.30 | 12.40 |
| Sher-Den, TX | 1991 | 29.63 | 27.48 | 18.89 | 24.00 | 2.58 | 3.40 | 8.38 | 12.45 | 18.05 |
| Tucson | 1993 |  |  |  |  |  | 3.96 | 7.23 | 12.52 |  |
| Washington, DC | 1994 |  |  |  |  | 2.61 |  |  |  |  |
| Wilmington, DE | 1995 | 23.30 | 38.30 | 17.20 | 21.10 | 2.47 | 2.27 | 5.15 | 7.63 | 9.07 |

Source: Surveys of MPOs.

TABLE 4.3HA Household trip rates by household size, prior survey

|  |  | Daily Trips Per Household By Household Size |  |  |  |
| :--- | :---: | :---: | :---: | :---: | ---: |
| Site | Year | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4 +}$ |
|  |  |  |  |  |  |
| Baltimore | 1977 | 2.70 | 5.70 | 7.1 | 10.3 |
| Buffalo | 1973 | 2 | 5 | 8.5 | 11.2 |
| Chicago | 1979 | 2.3 | 5.4 | 6.3 | 9.3 |
| Los Angeles | 1976 | 3.02 | 6.46 | 8.7 | 12.87 |
| Milwaukee | 1972 | 2.4 | 5.5 | 8.2 | 10.4 |
| Minn./St. Paul | 1982 | 3.05 | 7.01 | 10.13 | 13.7 |
| Phoenix | 1980 | 2.89 | 5.63 | 7.38 | 8.73 |
| Rochester | 1974 | 2.3 | 5.6 | 8.3 | 11.1 |
| Sacramento | 1978 | 3.02 | 6.96 | 9.82 | 17.88 |
| San Diego | 1977 | 3.2 | 7.23 | 10.91 | 16.44 |
| San Francisco | $1980-1981$ | 3.95 | 7.08 | 9.65 | 13.53 |
|  |  |  |  |  |  |

Source: Surveys of MPOs.

TABLE 4.4H Daily household trip rates by household vehicle ownership

| Site (Year Survey) | Percentage Of Households By Number Of Vehicles |  |  |  | Average Vehicles <br> By Household | Trips Per Household By Number Of Vehicles |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0 | 1 | 2 | $3+$ |  | 0 | 1 | 2 | 3 | 4+ |
| Albuquerque (1992) | 1.60 | 27.70 | 47.80 | 22.90 | 1.81 |  |  |  |  |  |
| Amarillo, TX |  |  |  |  | 1.80 |  |  |  |  |  |
| Baltimore (1993) | 16.50 | 31.70 | 35.90 | 15.90 | 1.05 | 3.17 | 5.39 | 9.53 | 13.52 | N/A |
| Brownsville, TX | 13.50 | 42.90 | 29.80 | 13.80 | 1.56 |  |  |  |  |  |
| Detroit (1994) | 12.10 | 32.80 | 37.70 | 17.40 |  |  |  |  |  |  |
| Eugene | 11.50 | 35.80 | 38.50 | 14.20 | 2.13 | 5.79 | 7.72 | 12.76 | 14.08 | 15.77 |
| Los Angeles (1998) | 9.50 | 34.90 | 55.60 | ? | 1.94 |  |  |  |  |  |
| Madison (1990) | 9.90 | 36.60 | 39.50 | 14.00 | 1.62 | 4.12 | 4.09 | 6.18 | 8.12 | N/A |
| Minn. / St. Paul (1990) | 9.50 | 31.90 | 41.30 | 17.30 | 1.74 |  |  |  |  |  |
| New York City (1997) | 38.80 | 28.90 | 32.20 | 8.30 | 1.16 |  |  |  |  |  |
| San Antonio (1991) | 13.20 | 37.10 | 35.10 | 14.70 | 1.63 |  |  |  |  |  |
| San Francisco (1990) | 10.30 | 32.10 | 37.00 | 21.00 |  |  |  |  |  |  |
| Seattle | 2.90 | 25.00 | 44.40 | 19.10 |  | 3.69 | 5.88 | 8.82 | 10.48 | 11.10 |
| Sher-Den, TX (1991) | 9.20 | 34.40 | 31.20 | 25.30 | 1.84 |  |  |  |  |  |
| Wilmington, DE | 4.30 | 29.80 | 44.00 | 21.80 | 2.47 | 2.37 | 3.78 | 6.04 | 8.13 | 9.06 |

[^0]Survey dates not given for Amarillo, Brownsville, Eugene, Seattle, and Wilmington.

TABLE 4.4HA Household trip rates by number household vehicles, prior survey

|  | Trips Per Household By Number Of Vehicles |  |  |  |  |
| :--- | :--- | :---: | ---: | :--- | ---: |
| Site (Year Survey) | $\mathbf{0}$ | $\mathbf{1}$ | 2 | 3 | All |
|  |  |  |  |  |  |
| Buffalo (1973) | 1.6 | 6.9 | 11.5 | 16.9 | 7.5 |
| Chicago (1979) | 1.7 | 6.4 | 10.7 | 12.7 | 7.2 |
| Cincinnati (1972) | 2.0 | 6.5 | 11.6 | 11.6 | $\mathrm{~N} / \mathrm{A}$ |
| Los Angeles (1976) | 2.0 | 5.8 | 11.0 | 11.0 | 8.1 |
| Milwaukee (1972) | 1.9 | 7.0 | 11.5 | 16.0 | 7.9 |
| Minn./St. Paul (1982) | 1.8 | 6.5 | 11.1 | 16.4 | 9.1 |
| Portland, OR (1977) | 3.0 | 6.2 | 11.5 | 11.5 | 8.7 |
| Rochester (1974) | 2.2 | 7.1 | 11.1 | 14.0 | 8.0 |
| San Diego (1977) | 3.0 | 6.6 | 13.0 | 13.0 | 9.8 |
| San Francisco (1980-1981) | 4.0 | 6.3 | 10.1 | 13.4 | 8.7 |
| Washington, DC (1968) | 2.1 | 5.9 | 9.7 | 10.6 | $\mathrm{~N} / \mathrm{A}$ |

Source: Surveys of MPOs.

TABLE 4.5 Person trip rates by major trip purpose, latest survey

| Site | Pct. Trips By Type |  |  | Daily Trip Rate Per Person |  |  | Daily Trip Rate Per Household |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | HBW | HBO | NHB | HBW | HBO | NHB | HBW | HBO | NHB |
| Albuquerque | 17.7\% | 53.9\% | 28.4\% |  |  |  | 1.70 | 5.20 | 2.80 |
| Amarillo, TX | 18.1\% | 49.5\% | 32.4\% | 0.72 | 1.93 | 1.26 | 1.86 | 5.00 | 3.26 |
| Atlanta | 21.6\% | 51.3\% | 27.1\% | 0.71 | 1.68 | 0.89 | 1.83 | 4.33 | 3.20 |
| Baltimore | 22.1\% | 50.3\% | 27.6\% | 0.62 | 1.42 | 0.78 | 1.69 | 3.84 | 2.10 |
| Brownsville, TX | 15.2\% | 57.2\% | 27.6\% | 0.48 | 1.74 | 0.85 | 1.80 | 6.51 | 3.17 |
| Cincinnati | 18.1\% | 51.6\% | 29.7\% |  |  |  |  |  |  |
| Dallas |  |  |  | 0.75 | 1.65 | 0.84 | 1.94 | 4.30 | 2.18 |
| Eugene | 15.6\% | 57.6\% | 26.8\% | 0.76 | 2.82 | 1.32 | 1.80 | 6.70 | 3.10 |
| Ft. Collins | 13.0\% | 60.0\% | 27.0\% | 0.55 | 2.55 | 1.15 | 1.39 | 6.40 | 2.88 |
| Houston | 19.8\% | 52.3\% | 27.9\% |  |  |  | 1.79 | 4.75 | 2.53 |
| Las Vegas | 25.8\% | 42.0\% | 32.2\% |  |  |  | 2.15 | 3.49 | 2.68 |
| Los Angeles | 19.3\% | 52.1\% | 28.6\% | 0.60 | 1.62 | 0.89 | 1.78 | 4.80 | 2.64 |
| Madison | 19.6\% | 36.6\% | 19.0\% | 0.75 | 1.40 | 0.73 | 1.91 | 3.57 | 1.85 |
| Minn/St. Paul | 14.3\% | 52.8\% | 32.8\% | 0.56 | 2.03 | 1.28 | 1.45 | 5.31 | 3.36 |
| Phoenix | 22.8\% | 48.0\% | 29.2\% |  |  |  | 1.86 | 3.97 | 2.33 |
| Reno | 28.1\% | 40.8\% | 31.1\% | 0.89 | 1.29 | 0.98 | 2.15 | 3.12 | 2.37 |
| San Antonio | 26.9\% | 41.9\% | 31.2\% | 0.67 | 1.66 | 0.91 | 1.95 | 4.81 | 2.63 |
| San Diego |  |  |  |  |  |  | 1.20 | 2.40 |  |
| San Francisco | 25.2\% | 46.4\% | 28.4\% | 0.76 | 1.39 | 0.85 | 2.03 | 3.73 | 2.29 |
| Seattle | 22.9\% | 44.3\% | 32.8\% | 0.94 | 1.81 | 1.34 | 1.99 | 3.85 | 2.85 |
| Sher-Den, TX | 20.5\% | 43.9\% | 35.6\% | 0.63 | 1.87 | 1.18 | 1.61 | 4.84 | 3.06 |
| St. Louis |  |  |  | 0.64 | 1.73 | 1.04 | 1.70 | 4.58 | 2.77 |
| Tucson | 17.6\% | 56.5\% | 25.9\% | 0.60 | 1.94 | 0.89 | 1.53 | 4.92 | 2.25 |
| Wilmington, DE | 32.1\% | 49.6\% | 18.3\% | 0.71 | 1.11 | 0.39 | 1.82 | 2.89 | 1.02 |

Source: Surveys of MPOs.
HBW = Home-based work; HBO = Home-based other; NHB = Non-home based.

TABLE 4.5A Person trip rates by major trip purpose, prior survey

| Site (Year Survey) | Pct. Trips By Type |  |  | Daily Trip Rate Per Household |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | HBW | HBO | NHB | HBW | HBO | NHB |
| Atlanta (1972) | 25.4\% | 55.4\% | 19.2\% |  |  |  |
| Baltimore (1977) | 22.3\% | 54.7\% | 23.0\% |  |  |  |
| Cincinnati | 28.7\% | 53.3\% | 18.0\% |  |  |  |
| Dallas (1980) | 19.9\% | 59.7\% | 20.4\% |  |  |  |
| Denver (1982) | 25.2\% | 54.0\% | 20.8\% |  |  |  |
| Detroit (1980) | 20.3\% | 53.8\% | 25.9\% |  |  |  |
| Houston | 0.0\% | 0.0\% | 0.0\% | 1.71 | 4.8 | 2.96 |
| Kansas City (1970) | 18.7\% | 59.1\% | 22.2\% |  |  |  |
| Los Angeles(1976) | 19.2\% | 52.7\% | 28.2\% |  |  |  |
| Louisville (1975) | 26.6\% | 54.1\% | 19.3\% |  |  |  |
| Milwaukee (1972) | 33.0\% | 47.0\% | 20.0\% |  |  |  |
| Minn/St. Paul (1980) | 17.9\% | 53.7\% | 28.4\% |  |  |  |
| Philadelphia (1977) | 23.0\% | 55.0\% | 22.0\% |  |  |  |
| Phoenix (1980) | 25.7\% | 53.5\% | 20.8\% |  |  |  |
| Portland, OR (1977) | 19.3\% | 57.9\% | 22.8\% |  |  |  |
| Sacramento (1978) | 13.9\% | 58.8\% | 27.3\% |  |  |  |
| San Diego (1977) | 14.6\% | 57.5\% | 28.0\% |  |  |  |
| San Francisco (1980) | 18.2\% | 51.4\% | 30.4\% |  |  |  |
| Washington, DC (1968) | 24.4\% | 62.8\% | 12.8\% |  |  |  |

Source: Surveys of MPOs.
HBW = Home-based work; HBO = Home-based other; NHB = Non-home based.

TABLE 4.6 Home-based person trips by trip purpose

| Site | Home-Based Trips <br> As Pct. Of All Trips | Pct. Of Home-Based Trips To And From: |  |  |  |  | Total Home-Based Trips Per Household |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Work | School | Shop | Soc./Rec. | Other |  |
| Albuquerque | 76.1\% | 24.7\% |  | 14.6\% | 13.7\% | 47.0\% | 6.9 |
| Amarillo, TX | 67.6\% | 26.7\% |  |  |  | 73.3\% | 6.9 |
| Atlanta | 72.9\% | 21.6\% |  |  |  | 78.4\% |  |
| Baltimore | 72.4\% | 22.1\% |  |  |  | 77.9\% |  |
| Boston | 71.6\% |  |  |  |  |  |  |
| Brownsville, TX | 72.4\% | 21.0\% |  |  |  | 79.0\% | 8.3 |
| Cincinnati | 69.7\% | 18.1\% |  |  |  | 81.9\% |  |
| Eugene | 73.2\% | 21.3\% | 12.0\% | 18.4\% |  | 60.3\% |  |
| Ft. Collins | 13.0\% |  |  |  |  |  | 7.8 |
| Las Vegas | 67.8\% | 25.8\% |  |  |  | 74.2\% |  |
| Los Angeles | 71.4\% | 27.0\% |  |  | 12.8\% | 60.0\% |  |
| Louisville |  |  |  |  |  |  |  |
| Madison | 56.2\% | 34.9\% | 7.1\% | 15.1\% |  | 42.9\% |  |
| Minn/St. Paul | 66.8\% | 21.5\% | 7.4\% | 17.4\% | 53.7\% |  | 6.8 |
| New York City | 25.0\% | 11.0\% | 46.0\% | 19.0\% | 0.0\% | 24.0\% |  |
| Reno | 68.9\% | 40.8\% | 11.9\% | 17.2\% | 12.5\% | 17.6\% | 5.3 |
| San Antonio | 72.0\% | 28.8\% |  |  |  | 71.2\% | 6.8 |
| San Francisco | 71.6\% | 35.2\% | 12.6\% | 36.0\% | 16.2\% | 0.0\% | 5.8 |
| Seattle | 67.0\% |  |  |  |  |  |  |
| Sher-Den, TX | 66.3\% | 24.2\% |  |  |  | 75.8\% | 6.5 |
| Tucson | 56.5\% | 31.1\% | 25.8\% | 18.3\% | N/A | N/A | 6.5 |
| Wilmington, DE | 71.7\% | 39.3\% | 3.5\% | 21.1\% |  | 36.2\% |  |

Source: Surveys of MPOs.

TABLE 4.6A Home-based person trips by trip purpose, prior survey

| Site (Year Survey) | Home-Based Trips As Pct. Of All Trips | Pct. Of Home-Based Trips To And From: |  |  |  |  | Total Home-Based Trips Per Household |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Work | School | Shop | Soc,/Rec. | Other |  |
| Atlanta (1972) | 80.8\% | 31.4\% |  |  |  | 68.6\% | 5.8 |
| Dallas (1984) | 74.7\% | 36.1\% |  |  |  | 63.9\% | 6.4 |
| Denver (1982) | 79.2\% | 31.8\% |  | 21.5\% |  | 46.7\% | N/A |
| Detroit (1980) | 74.1\% | 27.4\% |  |  |  | 72.6\% | 5.5 |
| Louisville (1975) | 80.7\% | 33.0\% |  | 21.6\% | 21.2\% | 24.2\% | N/A |
| Philadelphia (1977) | 78.0\% | 29.5\% |  |  |  | 70.5\% | N/A |
| Phoenix (1980) | 79.2\% | 32.4\% | 11.4\% | 20.5\% |  | 37.5\% | N/A |
| Portland, OR (1977) | 77.2\% | 25.0\% | 14.0\% |  | 21.3\% | 39.7\% | N/A |
| San Diego (1977) | 71.0\% | 22.3\% |  | 18.2\% |  | 59.5\% | 7.0 |
| San Francisco | 73.2\% | 29.6\% | 14.9\% |  | 19.8\% | 35.7\% | 6.4 |
| Washington, DC (1968) | 87.2\% | 28.0\% | 8.0\% | 23.4\% | 17.7\% | 22.9\% | 6.3 |

Source: Surveys of MPOs.
Survey date not given for San Francisco.


[^0]:    Source: Surveys of MPOs.

