

# STATISTICAL COMPENDIUM: MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 2001 UNITED STATES

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 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics                  | No. of Benefes   |                  |                  |               |            |                   |                   | No. of Bene Mos   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
|--|------------------|------------------|------------------|---------------|------------|-------------------|-------------------|-------------------|-------------------|----------------|--------------|-------------------|-------------------|-------------------|-------------------|----------------|--------------|-------------------|-----|--|
|  | All              | Aged             | Disabled         | Adults        | Children   | Other/<br>Unknown | All               | Aged              | Disabled          | Adults         | Children     | Other/<br>Unknown | All               | Aged              | Disabled          | Adults         | Children     | Other/<br>Unknown |     |  |
| <b>All</b>                                   | <b>5,693,212</b> | <b>3,189,966</b> | <b>2,451,003</b> | <b>51,229</b> | <b>957</b> | <b>57</b>         | <b>59,578,655</b> | <b>32,729,179</b> | <b>26,448,151</b> | <b>393,324</b> | <b>7,754</b> | <b>247</b>        | <b>59,578,655</b> | <b>32,729,179</b> | <b>26,448,151</b> | <b>393,324</b> | <b>7,754</b> | <b>247</b>        |     |  |
| <b>Age</b>                                   |                  |                  |                  |               |            |                   |                   |                   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
| 5 and younger                                | 326              | 19               | 261              | 1             | 45         | 0                 | 3,187             | 174               | 2,627             | 12             | 374          | 0                 | 3,187             | 174               | 2,627             | 12             | 374          | 0                 | 0   |  |
| 6-14   | 908              | 3                | 729              | 0             | 176        | 0                 | 9,581             | 31                | 7,860             | 0              | 1,690        | 0                 | 9,581             | 31                | 7,860             | 0              | 1,690        | 0                 | 0   |  |
| 15-20  | 8,846            | 3                | 8,202            | 179           | 461        | 1                 | 91,288            | 28                | 85,915            | 1,410          | 3,929        | 6                 | 91,288            | 28                | 85,915            | 1,410          | 3,929        | 6                 | 6   |  |
| 21-44  | 862,270          | 279              | 831,411          | 30,335        | 240        | 5                 | 9,199,049         | 2,917             | 8,958,177         | 236,400        | 1,524        | 31                | 9,199,049         | 2,917             | 8,958,177         | 236,400        | 1,524        | 31                | 31  |  |
| 45-64  | 1,097,439        | 1,940            | 1,078,201        | 17,259        | 18         | 21                | 11,668,132        | 18,392            | 11,517,736        | 131,812        | 101          | 91                | 11,668,132        | 18,392            | 11,517,736        | 131,812        | 101          | 91                | 91  |  |
| 65-74  | 1,428,350        | 1,056,888        | 368,599          | 2,833         | 12         | 18                | 15,182,480        | 11,046,243        | 4,116,928         | 19,172         | 76           | 61                | 15,182,480        | 11,046,243        | 4,116,928         | 19,172         | 76           | 61                | 61  |  |
| 75-84  | 1,331,614        | 1,210,060        | 121,055          | 491           | 1          | 7                 | 13,956,185        | 12,622,347        | 1,330,151         | 3,635          | 12           | 40                | 13,956,185        | 12,622,347        | 1,330,151         | 3,635          | 12           | 40                | 40  |  |
| 85 and older                                 | 963,440          | 920,757          | 42,544           | 130           | 4          | 5                 | 9,468,620         | 9,038,929         | 428,746           | 879            | 48           | 18                | 9,468,620         | 9,038,929         | 428,746           | 879            | 48           | 18                | 18  |  |
| Unknown                                      | 19               | 17               | 1                | 1             | 0          | 0                 | 133               | 118               | 11                | 4              | 0            | 0                 | 133               | 118               | 11                | 4              | 0            | 0                 | 0   |  |
| <b>Gender</b>                                |                  |                  |                  |               |            |                   |                   |                   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
| Female                                       | 3,666,352        | 2,309,158        | 1,328,209        | 28,528        | 424        | 33                | 38,634,607        | 23,925,707        | 14,481,015        | 224,175        | 3,576        | 134               | 38,634,607        | 23,925,707        | 14,481,015        | 224,175        | 3,576        | 134               | 134 |  |
| Male   | 2,026,843        | 880,807          | 1,122,778        | 22,701        | 533        | 24                | 20,943,896        | 8,803,460         | 11,966,996        | 169,149        | 4,178        | 113               | 20,943,896        | 8,803,460         | 11,966,996        | 169,149        | 4,178        | 113               | 113 |  |
| Unknown                                      | 17               | 1                | 16               | 0             | 0          | 0                 | 152               | 12                | 140               | 0              | 0            | 0                 | 152               | 12                | 140               | 0              | 0            | 0                 | 0   |  |
| <b>Race</b>                                  |                  |                  |                  |               |            |                   |                   |                   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
| White  | 3,367,318        | 1,880,186        | 1,457,517        | 29,035        | 539        | 41                | 34,671,129        | 18,760,444        | 15,679,965        | 226,116        | 4,424        | 180               | 34,671,129        | 18,760,444        | 15,679,965        | 226,116        | 4,424        | 180               | 180 |  |
| African American                             | 1,024,552        | 494,723          | 517,618          | 11,962        | 236        | 13                | 10,879,264        | 5,219,962         | 5,566,657         | 90,681         | 1,915        | 49                | 10,879,264        | 5,219,962         | 5,566,657         | 90,681         | 1,915        | 49                | 49  |  |
| Other/unknown                                | 1,301,342        | 815,057          | 475,868          | 10,232        | 182        | 3                 | 14,028,262        | 8,748,773         | 5,201,529         | 76,527         | 1,415        | 18                | 14,028,262        | 8,748,773         | 5,201,529         | 76,527         | 1,415        | 18                | 18  |  |
| <b>Use of Nursing Facilities<sup>c</sup></b> |                  |                  |                  |               |            |                   |                   |                   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
| Entire year                                  | 855,393          | 753,405          | 101,899          | 87            | 2          | 0                 | 8,629,942         | 7,539,947         | 1,089,075         | 896            | 24           | 0                 | 8,629,942         | 7,539,947         | 1,089,075         | 896            | 24           | 0                 | 0   |  |
| Part year                                    | 434,073          | 361,371          | 72,449           | 246           | 6          | 1                 | 4,001,474         | 3,260,887         | 738,277           | 2,239          | 68           | 3                 | 4,001,474         | 3,260,887         | 738,277           | 2,239          | 68           | 3                 | 3   |  |
| None   | 4,403,746        | 2,075,190        | 2,276,655        | 50,896        | 949        | 56                | 46,947,239        | 21,928,345        | 24,620,799        | 390,189        | 7,662        | 244               | 46,947,239        | 21,928,345        | 24,620,799        | 390,189        | 7,662        | 244               | 244 |  |
| <b>Maintenance Assistance Status</b>         |                  |                  |                  |               |            |                   |                   |                   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
| Cash   | 2,920,356        | 1,385,552        | 1,516,188        | 18,556        | 60         | 0                 | 32,490,570        | 15,411,556        | 16,940,981        | 137,585        | 448          | 0                 | 32,490,570        | 15,411,556        | 16,940,981        | 137,585        | 448          | 0                 | 0   |  |
| Medically needy                              | 775,344          | 505,551          | 261,324          | 8,343         | 126        | 0                 | 7,332,121         | 4,711,770         | 2,556,090         | 63,420         | 841          | 0                 | 7,332,121         | 4,711,770         | 2,556,090         | 63,420         | 841          | 0                 | 0   |  |
| Poverty-related                              | 618,633          | 342,006          | 273,719          | 2,617         | 283        | 8                 | 6,315,836         | 3,470,740         | 2,825,729         | 16,875         | 2,456        | 36                | 6,315,836         | 3,470,740         | 2,825,729         | 16,875         | 2,456        | 36                | 36  |  |
| Other/unknown                                | 1,378,879        | 956,857          | 399,772          | 21,713        | 488        | 49                | 13,440,128        | 9,135,113         | 4,125,351         | 175,444        | 4,009        | 211               | 13,440,128        | 9,135,113         | 4,125,351         | 175,444        | 4,009        | 211               | 211 |  |
| <b>Dual Medicare Status<sup>d</sup></b>      |                  |                  |                  |               |            |                   |                   |                   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
| Full dual, all year                          | 5,506,383        | 3,089,920        | 2,365,720        | 49,732        | 954        | 57                | 57,717,325        | 31,733,332        | 25,597,652        | 378,376        | 7,718        | 247               | 57,717,325        | 31,733,332        | 25,597,652        | 378,376        | 7,718        | 247               | 247 |  |
| Full dual, part year                         | 186,829          | 100,046          | 85,283           | 1,497         | 3          | 0                 | 1,861,330         | 995,847           | 850,499           | 14,948         | 36           | 0                 | 1,861,330         | 995,847           | 850,499           | 14,948         | 36           | 0                 | 0   |  |
| <b>Managed Care Status</b>                   |                  |                  |                  |               |            |                   |                   |                   |                   |                |              |                   |                   |                   |                   |                |              |                   |     |  |
| FFS all year                                 | 5,540,770        | 3,121,310        | 2,375,967        | 42,602        | 834        | 57                | 58,785,276        | 32,378,303        | 26,042,304        | 357,206        | 7,216        | 247               | 58,785,276        | 32,378,303        | 26,042,304        | 357,206        | 7,216        | 247               | 247 |  |
| FFS part year, with Rx claims                | 109,812          | 48,883           | 55,084           | 5,762         | 83         | 0                 | 633,254           | 277,492           | 327,906           | 27,417         | 439          | 0                 | 633,254           | 277,492           | 327,906           | 27,417         | 439          | 0                 | 0   |  |
| FFS part year, no Rx claims                  | 42,629           | 19,773           | 19,951           | 2,865         | 40         | 0                 | 160,121           | 73,384            | 77,937            | 8,701          | 99           | 0                 | 160,121           | 73,384            | 77,937            | 8,701          | 99           | 0                 | 0   |  |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2006. This table was produced on 11/01/2006.

- a. Table D.2 includes the beneficiaries represented by Cell G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services. The total includes some beneficiaries with unknown basis of eligibility and some whose age categories are not consistent with basis of eligibility.
- c. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- d. The "Full dual, all year" group contains beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefits during all months of Medicaid enrollment in 2001. The "Full dual, part year" group contains beneficiaries who had such benefits for some, but not all, months of their enrollment. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.

Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; FFS = fee-for-service pharmacy benefit; MAX = Medicaid Analytic Extract; Rx = pharmacy benefit.

TABLE D.3  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics                  | % with at Least One Rx | Mean No. of Rx | Mean Rx \$ | \$ per Rx | Mean \$, All Services | Rx \$ as % of All Services | No. of Benefes |
|--|------------------------|----------------|------------|-----------|-----------------------|----------------------------|----------------|
| All  | 85.6 %                 | 39.6           | \$2,203    | \$56      | \$13,199              | 16.7 %                     | 5,693,212      |
| <b>Age</b>                                   |                        |                |            |           |                       |                            |                |
| 5 and younger                                | 87.4                   | 38.0           | 3,601      | 95        | 27,488                | 13.1                       | 326            |
| 6-14   | 89.5                   | 47.6           | 6,459      | 136       | 18,473                | 35.0                       | 908            |
| 15-20  | 75.3                   | 20.2           | 2,081      | 103       | 12,022                | 17.3                       | 8,846          |
| 21-44  | 82.4                   | 31.1           | 2,620      | 84        | 12,787                | 20.5                       | 862,270        |
| 45-64  | 87.2                   | 45.1           | 2,928      | 65        | 13,640                | 21.5                       | 1,097,439      |
| 65-74  | 84.4                   | 37.8           | 1,957      | 52        | 8,590                 | 22.8                       | 1,428,350      |
| 75-84  | 86.7                   | 41.5           | 1,962      | 47        | 13,266                | 14.8                       | 1,331,614      |
| 85 and older                                 | 87.2                   | 41.0           | 1,696      | 41        | 19,807                | 8.6                        | 963,440        |
| Unknown                                      | 68.4                   | 19.4           | 915        | 47        | 8,346                 | 11.0                       | 19             |
| <b>Basis of Eligibility<sup>c</sup></b>      |                        |                |            |           |                       |                            |                |
| Aged   | 85.4                   | 39.3           | 1,834      | 47        | 13,655                | 13.4                       | 3,189,966      |
| Disabled                                     | 86.2                   | 40.3           | 2,698      | 67        | 12,789                | 21.1                       | 2,451,003      |
| Adults                                       | 72.2                   | 20.7           | 1,508      | 73        | 4,416                 | 34.2                       | 51,229         |
| Children                                     | 67.4                   | 24.4           | 2,929      | 120       | 13,125                | 22.3                       | 957            |
| Unknown                                      | 54.4                   | 21.4           | 1,052      | 49        | 5,810                 | 18.1                       | 57             |
| <b>Gender</b>                                |                        |                |            |           |                       |                            |                |
| Female                                       | 88.0                   | 42.9           | 2,207      | 51        | 13,281                | 16.6                       | 3,666,352      |
| Male   | 81.4                   | 33.5           | 2,195      | 66        | 13,051                | 16.8                       | 2,026,843      |
| Unknown                                      | 64.7                   | 16.2           | 1,432      | 89        | 11,208                | 12.8                       | 17             |
| <b>Race</b>                                  |                        |                |            |           |                       |                            |                |
| White  | 86.7                   | 44.5           | 2,424      | 55        | 15,505                | 15.6                       | 3,367,318      |
| African American                             | 84.9                   | 34.5           | 1,908      | 55        | 10,614                | 18.0                       | 1,024,552      |
| Other/unknown                                | 83.4                   | 30.8           | 1,863      | 61        | 9,266                 | 20.1                       | 1,301,342      |
| <b>Use of Nursing Facilities<sup>d</sup></b> |                        |                |            |           |                       |                            |                |
| Entire year                                  | 88.9                   | 56.5           | 2,507      | 44        | 33,676                | 7.4                        | 855,393        |
| Part year                                    | 90.4                   | 46.8           | 2,193      | 47        | 21,353                | 10.3                       | 434,073        |
| None   | 84.6                   | 35.6           | 2,145      | 60        | 8,418                 | 25.5                       | 4,403,746      |
| <b>Maintenance Assistance Status</b>         |                        |                |            |           |                       |                            |                |
| Cash   | 87.3                   | 36.7           | 2,167      | 59        | 8,092                 | 26.8                       | 2,920,356      |
| Medically needy                              | 74.6                   | 33.1           | 1,901      | 57        | 21,618                | 8.8                        | 775,344        |
| Poverty related                              | 83.1                   | 35.0           | 2,030      | 58        | 8,828                 | 23.0                       | 618,633        |
| Other/unknown                                | 89.6                   | 51.4           | 2,526      | 49        | 21,243                | 11.9                       | 1,378,879      |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.3 includes beneficiaries represented by Cell G of Table 1.

b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.

d. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.4  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics                  | Mean No. of Rx | Mean Rx \$ | Rx \$ as % of All Services | No. of Rx, % with: |                            |                            |                            |                             | Mean \$, All Services | Benes   | Bene Mos  |              |
|--|----------------|------------|----------------------------|--------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------|---------|-----------|--------------|
|  |                |            |                            | None               | More than 0, but 1 or Less | More than 1, but 2 or Less | More than 2, but 5 or Less | More than 5, but 10 or Less |                       |         |           | More than 10 |
| All  | 3.8            | \$211      | 16.7 %                     | 14.4 %             | 18.8 %                     | 12.6 %                     | 29.2 %                     | 19.7 %                      | 5.3 %                 | \$1,261 | 5,693,212 | 59,578,655   |
| <b>Age</b>                                   |                |            |                            |                    |                            |                            |                            |                             |                       |         |           |              |
| 5 and younger                                | 3.9            | 368        | 13.1                       | 12.6               | 15.6                       | 11.3                       | 38.0                       | 19.0                        | 3.4                   | 2,812   | 326       | 3,187        |
| 6-14   | 4.5            | 612        | 35.0                       | 10.5               | 8.1                        | 9.7                        | 40.6                       | 27.3                        | 3.7                   | 1,751   | 908       | 9,581        |
| 15-20  | 2.0            | 202        | 17.3                       | 24.7               | 35.8                       | 11.9                       | 18.1                       | 7.9                         | 1.6                   | 1,165   | 8,846     | 91,288       |
| 21-44  | 2.9            | 246        | 20.5                       | 17.6               | 27.7                       | 13.3                       | 25.0                       | 13.0                        | 3.5                   | 1,199   | 862,270   | 9,199,049    |
| 45-64  | 4.2            | 275        | 21.5                       | 12.8               | 16.7                       | 12.0                       | 29.9                       | 21.6                        | 6.9                   | 1,283   | 1,097,439 | 11,668,132   |
| 65-74  | 3.6            | 184        | 22.8                       | 15.6               | 19.9                       | 13.5                       | 28.8                       | 17.6                        | 4.7                   | 808     | 1,428,350 | 15,182,480   |
| 75-84  | 4.0            | 187        | 14.8                       | 13.3               | 16.6                       | 12.5                       | 30.4                       | 21.4                        | 5.7                   | 1,266   | 1,331,614 | 13,956,185   |
| 85 and older                                 | 4.2            | 173        | 8.6                        | 12.8               | 14.3                       | 11.5                       | 31.5                       | 24.4                        | 5.6                   | 2,015   | 963,440   | 9,468,620    |
| Unknown                                      | 2.8            | 131        | 11.0                       | 31.6               | 5.3                        | 15.8                       | 31.6                       | 15.8                        | 0.0                   | 1,192   | 19        | 133          |
| <b>Basis of Eligibility<sup>c</sup></b>      |                |            |                            |                    |                            |                            |                            |                             |                       |         |           |              |
| Aged   | 3.8            | 179        | 13.4                       | 14.6               | 17.5                       | 12.6                       | 29.5                       | 20.4                        | 5.4                   | 1,331   | 3,189,966 | 32,729,179   |
| Disabled                                     | 3.7            | 250        | 21.1                       | 13.8               | 20.3                       | 12.6                       | 29.1                       | 19.0                        | 5.3                   | 1,185   | 2,451,003 | 26,448,151   |
| Adults                                       | 2.7            | 197        | 34.2                       | 27.8               | 24.5                       | 12.3                       | 21.8                       | 10.8                        | 2.9                   | 575     | 51,229    | 393,324      |
| Children                                     | 3.0            | 362        | 22.3                       | 32.6               | 20.1                       | 8.8                        | 22.6                       | 13.3                        | 2.7                   | 1,620   | 957       | 7,754        |
| Unknown                                      | 4.9            | 243        | 18.1                       | 45.6               | 5.3                        | 5.3                        | 21.1                       | 15.8                        | 7.0                   | 1,341   | 57        | 247          |
| <b>Gender</b>                                |                |            |                            |                    |                            |                            |                            |                             |                       |         |           |              |
| Female                                       | 4.1            | 210        | 16.6                       | 12.0               | 16.8                       | 12.6                       | 30.9                       | 21.7                        | 6.0                   | 1,260   | 3,666,352 | 38,634,607   |
| Male   | 3.2            | 212        | 16.8                       | 18.6               | 22.3                       | 12.5                       | 26.3                       | 16.2                        | 4.1                   | 1,263   | 2,026,843 | 20,943,896   |
| Unknown                                      | 1.8            | 160        | 12.8                       | 35.3               | 29.4                       | 11.8                       | 11.8                       | 5.9                         | 5.9                   | 1,254   | 17        | 152          |
| <b>Race</b>                                  |                |            |                            |                    |                            |                            |                            |                             |                       |         |           |              |
| White  | 4.3            | 235        | 15.6                       | 13.3               | 15.7                       | 11.1                       | 29.2                       | 23.4                        | 7.3                   | 1,506   | 3,367,318 | 34,671,129   |
| African American                             | 3.3            | 180        | 18.0                       | 15.1               | 21.3                       | 14.0                       | 30.7                       | 16.1                        | 2.9                   | 1,000   | 1,024,552 | 10,879,264   |
| Other/unknown                                | 2.9            | 173        | 20.1                       | 16.6               | 24.5                       | 15.3                       | 28.3                       | 13.0                        | 2.3                   | 860     | 1,301,342 | 14,028,262   |
| <b>use or nursing Facilities<sup>d</sup></b> |                |            |                            |                    |                            |                            |                            |                             |                       |         |           |              |
| Entire year                                  | 5.6            | 249        | 7.4                        | 11.1               | 8.6                        | 7.3                        | 27.5                       | 32.9                        | 12.6                  | 3,338   | 855,393   | 8,629,942    |
| Part year                                    | 5.1            | 238        | 10.3                       | 9.6                | 11.6                       | 10.0                       | 31.0                       | 28.6                        | 9.1                   | 2,316   | 434,073   | 4,001,474    |
| None   | 3.3            | 201        | 25.5                       | 15.4               | 21.4                       | 13.9                       | 29.4                       | 16.3                        | 3.6                   | 790     | 4,403,746 | 46,947,239   |
| <b>Maintenance Assistance Status</b>         |                |            |                            |                    |                            |                            |                            |                             |                       |         |           |              |
| Cash   | 3.3            | 195        | 26.8                       | 12.7               | 22.5                       | 14.8                       | 30.4                       | 16.2                        | 3.4                   | 727     | 2,920,356 | 32,490,570   |
| Medically needy                              | 3.5            | 201        | 8.8                        | 25.4               | 17.1                       | 10.1                       | 24.1                       | 18.1                        | 5.2                   | 2,286   | 775,344   | 7,332,121    |
| Poverty related                              | 3.4            | 199        | 23.0                       | 16.9               | 19.7                       | 13.0                       | 30.4                       | 16.6                        | 3.4                   | 865     | 618,633   | 6,315,836    |
| Other/unknown                                | 5.3            | 259        | 11.9                       | 10.4               | 11.3                       | 9.2                        | 29.2                       | 29.4                        | 10.4                  | 2,179   | 1,378,879 | 13,440,128   |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

Table D4

Dual Eligible Beneficiaries



a. Table D.4 includes the beneficiaries represented by Cell G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.

d. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.5  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics                  | All Rx     |              |             | Patented Brand-Name Drugs |              |             | Off-Patent Brand-Name Drugs |             |             | Generic Drugs |             |             |
|--|------------|--------------|-------------|---------------------------|--------------|-------------|-----------------------------|-------------|-------------|---------------|-------------|-------------|
|  | No. of Rx  | Rx \$        | \$ per Rx   | No. of Rx                 | Rx \$        | \$ per Rx   | No. of Rx                   | Rx \$       | \$ per Rx   | No. of Rx     | Rx \$       | \$ per Rx   |
| <b>All</b>                                   | <b>3.8</b> | <b>\$211</b> | <b>\$56</b> | <b>1.7</b>                | <b>\$159</b> | <b>\$92</b> | <b>0.3</b>                  | <b>\$16</b> | <b>\$53</b> | <b>1.7</b>    | <b>\$35</b> | <b>\$20</b> |
| <b>Age</b>                                   |            |              |             |                           |              |             |                             |             |             |               |             |             |
| 5 and younger                                | 3.9        | 368          | 95          | 1.8                       | 321          | 176         | 0.4                         | 13          | 35          | 1.7           | 33          | 20          |
| 6-14   | 4.5        | 612          | 136         | 2.1                       | 514          | 250         | 0.5                         | 50          | 101         | 1.9           | 48          | 24          |
| 15-20  | 2.0        | 202          | 103         | 0.9                       | 161          | 173         | 0.2                         | 18          | 109         | 0.9           | 22          | 26          |
| 21-44  | 2.9        | 246          | 84          | 1.4                       | 193          | 140         | 0.2                         | 21          | 90          | 1.3           | 32          | 25          |
| 45-64  | 4.2        | 275          | 65          | 2.0                       | 212          | 106         | 0.3                         | 21          | 69          | 1.9           | 42          | 22          |
| 65-74  | 3.6        | 184          | 52          | 1.7                       | 140          | 81          | 0.2                         | 12          | 48          | 1.6           | 32          | 20          |
| 75-84  | 4.0        | 187          | 47          | 1.8                       | 139          | 77          | 0.3                         | 13          | 41          | 1.8           | 35          | 19          |
| 85 and older                                 | 4.2        | 173          | 41          | 1.7                       | 123          | 72          | 0.4                         | 14          | 35          | 2.1           | 36          | 17          |
| Unknown                                      | 2.8        | 131          | 47          | 1.2                       | 91           | 76          | 0.2                         | 12          | 57          | 1.4           | 27          | 20          |
| <b>Basis of Eligibility<sup>d</sup></b>      |            |              |             |                           |              |             |                             |             |             |               |             |             |
| Aged   | 3.8        | 179          | 47          | 1.7                       | 133          | 77          | 0.3                         | 13          | 40          | 1.8           | 33          | 19          |
| Disabled                                     | 3.7        | 250          | 67          | 1.8                       | 193          | 110         | 0.3                         | 19          | 70          | 1.7           | 38          | 22          |
| Adults                                       | 2.7        | 197          | 73          | 1.3                       | 156          | 119         | 0.2                         | 14          | 84          | 1.2           | 26          | 22          |
| Children                                     | 3.0        | 362          | 120         | 1.4                       | 289          | 207         | 0.3                         | 41          | 138         | 1.3           | 31          | 24          |
| Unknown                                      | 4.9        | 243          | 49          | 2.0                       | 183          | 91          | 0.3                         | 20          | 76          | 2.7           | 41          | 15          |
| <b>Gender</b>                                |            |              |             |                           |              |             |                             |             |             |               |             |             |
| Female                                       | 4.1        | 210          | 51          | 1.9                       | 158          | 84          | 0.3                         | 15          | 48          | 1.9           | 36          | 19          |
| Male   | 3.2        | 212          | 66          | 1.5                       | 162          | 110         | 0.2                         | 16          | 64          | 1.5           | 34          | 23          |
| Unknown                                      | 1.8        | 160          | 89          | 0.9                       | 135          | 158         | 0.1                         | 6           | 63          | 0.8           | 19          | 23          |
| <b>Race</b>                                  |            |              |             |                           |              |             |                             |             |             |               |             |             |
| White  | 4.3        | 235          | 55          | 1.9                       | 177          | 91          | 0.4                         | 18          | 51          | 2.0           | 40          | 20          |
| African American                             | 3.3        | 180          | 55          | 1.5                       | 137          | 92          | 0.2                         | 12          | 51          | 1.5           | 30          | 20          |
| Other/unknown                                | 2.9        | 173          | 61          | 1.4                       | 134          | 94          | 0.2                         | 12          | 59          | 1.2           | 27          | 22          |
| <b>Use of Nursing Facilities<sup>e</sup></b> |            |              |             |                           |              |             |                             |             |             |               |             |             |
| Entire year                                  | 5.6        | 249          | 44          | 2.3                       | 179          | 77          | 0.5                         | 20          | 37          | 2.7           | 49          | 18          |
| Part year                                    | 5.1        | 238          | 47          | 2.2                       | 174          | 81          | 0.5                         | 19          | 41          | 2.4           | 45          | 18          |
| None   | 3.3        | 201          | 60          | 1.6                       | 154          | 97          | 0.2                         | 15          | 61          | 1.5           | 32          | 21          |
| <b>Maintenance Assistance Status</b>         |            |              |             |                           |              |             |                             |             |             |               |             |             |
| Cash   | 3.3        | 195          | 59          | 1.6                       | 149          | 95          | 0.2                         | 14          | 60          | 1.5           | 32          | 21          |
| Medically needy                              | 3.5        | 201          | 57          | 1.6                       | 152          | 97          | 0.3                         | 16          | 51          | 1.6           | 33          | 21          |
| Poverty related                              | 3.4        | 199          | 58          | 1.6                       | 152          | 94          | 0.3                         | 14          | 53          | 1.5           | 33          | 21          |
| Other/unknown                                | 5.3        | 259          | 49          | 2.3                       | 193          | 84          | 0.4                         | 19          | 43          | 2.5           | 47          | 19          |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

- a. Table D.5 includes the beneficiaries represented by Cell G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. Brand-name drugs, sometimes called “innovator single-source drugs,” are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called “innovator multiple-source drugs,” are brand-name drugs whose patents have expired. Generic drugs, sometimes called “non-innovator multiple-source drugs,” are off-patent drugs manufactured and sold by companies other than the original patent holder. In the U.S., 44.4 percent of drug claims have missing values for brand status. Thus, the sum of the three groups in this table may be smaller than all combined. For information about this classification method, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- d. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children’s group includes children receiving foster care and adoptive services.
- e. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.6

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Therapeutic Category                            | No. of Rx per Bene Mo among Users |                     |                       | \$ per Bene Mo among Users |                     |                       | \$ per Rx |                     |                       | Users       |                |               |                 |                |           |         |            |
|---|-----------------------------------|---------------------|-----------------------|----------------------------|---------------------|-----------------------|-----------|---------------------|-----------------------|-------------|----------------|---------------|-----------------|----------------|-----------|---------|------------|
|   | Total                             | Patented Brand-Name | Off-Patent Brand-Name | Total                      | Patented Brand-Name | Off-Patent Brand-Name | Total     | Patented Brand-Name | Off-Patent Brand-Name | Total Rx \$ | No. Dual Benes | As % of Benes | No. of Bene Mos |                |           |         |            |
|   |                                   |                     |                       |                            |                     |                       |           |                     |                       |             |                |               |                 | Generic        | Generic   | Generic |            |
| Anti-infective Agents                           | 0.3                               | 0.2                 | 0.0                   | 0.1                        | \$27                | \$24                  | \$0       | \$2                 | \$79                  | \$129       | \$72           | \$14          | 10,897,310      | \$865,312,982  | 2,928,107 | 51.4 %  | 32,423,863 |
| Biologics                                       | 0.1                               | 0.1                 | 0.0                   | 0.0                        | 39                  | 2                     | 9         | 27                  | 341                   | 29          | 2,700          | 637           | 98,280          | 33,544,958     | 77,346    | 1.4     | 871,014    |
| Antineoplastic Agents                           | 0.5                               | 0.2                 | 0.1                   | 0.2                        | 93                  | 57                    | 23        | 12                  | 184                   | 289         | 170            | 72            | 1,194,593       | 219,317,956    | 227,339   | 4.0     | 2,354,070  |
| Endocrine/Metabolic Drugs                       | 0.9                               | 0.5                 | 0.1                   | 0.3                        | 40                  | 34                    | 2         | 4                   | 45                    | 67          | 19             | 14            | 21,727,838      | 973,193,242    | 2,247,049 | 39.5    | 24,623,016 |
| Cardiovascular Agents                           | 1.6                               | 0.6                 | 0.1                   | 0.8                        | 57                  | 37                    | 4         | 16                  | 37                    | 59          | 33             | 20            | 57,163,960      | 2,107,927,776  | 3,385,510 | 59.5    | 36,788,385 |
| Respiratory Agents                              | 0.7                               | 0.4                 | 0.0                   | 0.3                        | 31                  | 25                    | 0         | 6                   | 47                    | 64          | 32             | 24            | 15,503,173      | 733,046,894    | 2,097,452 | 36.8    | 23,283,175 |
| Gastrointestinal Agents                         | 0.7                               | 0.3                 | 0.0                   | 0.3                        | 52                  | 43                    | 3         | 7                   | 77                    | 124         | 86             | 23            | 16,336,200      | 1,263,686,478  | 2,205,077 | 38.7    | 24,175,707 |
| Genitourinary Agents                            | 0.4                               | 0.3                 | 0.0                   | 0.1                        | 23                  | 21                    | 0         | 2                   | 53                    | 66          | 39             | 19            | 3,613,071       | 192,195,441    | 744,129   | 13.1    | 8,243,560  |
| CNS Drugs                                       | 1.2                               | 0.6                 | 0.1                   | 0.5                        | 95                  | 72                    | 10        | 12                  | 79                    | 120         | 116            | 24            | 35,292,876      | 2,793,638,411  | 2,718,464 | 47.7    | 29,451,614 |
| Stimulants/Anti-obesity/Anorexia                | 0.5                               | 0.2                 | 0.0                   | 0.2                        | 36                  | 26                    | 2         | 8                   | 74                    | 118         | 67             | 34            | 238,726         | 17,658,398     | 43,793    | 0.8     | 485,087    |
| Miscellaneous Psychological/Neurological Agents | 0.6                               | 0.5                 | 0.0                   | 0.1                        | 67                  | 65                    | 0         | 2                   | 117                   | 127         | 52             | 36            | 1,570,321       | 184,020,072    | 258,627   | 4.5     | 2,760,979  |
| Analgesics and Anesthetics                      | 0.7                               | 0.3                 | 0.0                   | 0.4                        | 39                  | 30                    | 3         | 6                   | 56                    | 106         | 82             | 16            | 21,272,930      | 1,182,733,662  | 2,791,157 | 49.0    | 30,683,400 |
| Neuromuscular Agents                            | 0.9                               | 0.4                 | 0.1                   | 0.5                        | 53                  | 38                    | 4         | 10                  | 57                    | 103         | 42             | 23            | 14,047,701      | 805,793,002    | 1,387,652 | 24.4    | 15,271,834 |
| Nutritional Products                            | 0.6                               | 0.0                 | 0.2                   | 0.4                        | 11                  | 1                     | 4         | 6                   | 18                    | 22          | 28             | 15            | 6,249,905       | 114,963,158    | 1,009,056 | 17.7    | 10,796,273 |
| Hematological Agents                            | 0.7                               | 0.2                 | 0.2                   | 0.3                        | 47                  | 38                    | 3         | 6                   | 67                    | 184         | 20             | 18            | 7,316,472       | 489,932,333    | 973,696   | 17.1    | 10,464,949 |
| Topical Products                                | 0.5                               | 0.2                 | 0.0                   | 0.2                        | 17                  | 12                    | 2         | 3                   | 38                    | 55          | 42             | 18            | 11,229,555      | 423,184,899    | 2,230,468 | 39.2    | 24,926,661 |
| Miscellaneous Products                          | 0.4                               | 0.1                 | 0.1                   | 0.2                        | 78                  | 53                    | 15        | 10                  | 190                   | 355         | 262            | 51            | 614,695         | 116,742,602    | 141,492   | 2.5     | 1,496,500  |
| Unknown Therapeutic Category                    | 0.3                               | 0.0                 | 0.0                   | 0.0                        | 8                   | 0                     | 0         | 0                   | 27                    | 0           | 0              | 0             | 868,396         | 23,800,188     | 270,515   | 4.8     | 3,040,512  |
| TOTAL NO. OF RX AND RX \$                       | n.a.                              | n.a.                | n.a.                  | n.a.                       | n.a.                | n.a.                  | n.a.      | n.a.                | n.a.                  | n.a.        | n.a.           | n.a.          | 225,236,002     | 12,540,692,452 | n.a.      | n.a.    | n.a.       |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

- a. Table D.6 includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2001. A beneficiary who used drugs from two or more categories was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. For information about these therapeutic categories, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- d. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. In the U.S., 44.4 percent of drug claims have missing values for brand status. Thus, the sum of the three groups in this table may be smaller than all prescriptions combined. For information about this classification method, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; CNS = Central Nervous System; MAX = Medicaid Analytic Extract; n.a. = not applicable; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.7

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Top 10 Drug Groups             | Users                |            |                    |                 | Among Users           |           |                   |  |
|--------------------------------|----------------------|------------|--------------------|-----------------|-----------------------|-----------|-------------------|--|
|                                | Total Medicaid Rx \$ | No.        | As % of Dual Benes | No. of Bene Mos | No. of Rx per Bene Mo | \$ per Rx | Rx \$ per Bene Mo |  |
| ANTIPSYCHOTICS                 | \$1,531,011,121      | 1,319,211  | 23.2 %             | 14,480,871      | 0.7                   | \$144     | \$106             |  |
| ULCER DRUGS                    | 1,088,859,100        | 2,238,982  | 39.3               | 24,822,695      | 0.5                   | 90        | 44                |  |
| ANTIDEPRESSANTS                | 932,388,313          | 2,198,276  | 38.6               | 24,033,115      | 0.6                   | 64        | 39                |  |
| ANTIDIABETIC                   | 663,166,874          | 1,752,104  | 30.8               | 19,379,738      | 0.6                   | 55        | 34                |  |
| ANTICONVULSANT                 | 641,788,578          | 1,136,421  | 20.0               | 12,602,444      | 0.8                   | 68        | 51                |  |
| ANALGESICS - ANTI-INFLAMMATORY | 607,387,029          | 2,052,849  | 36.1               | 23,330,853      | 0.4                   | 72        | 26                |  |
| ANTIHYPERTENSIVE               | 595,137,915          | 1,088,978  | 19.1               | 12,327,656      | 0.6                   | 85        | 48                |  |
| ANTIHYPERTENSIVE               | 590,089,304          | 2,270,621  | 39.9               | 25,148,037      | 0.6                   | 40        | 23                |  |
| ANALGESICS - Narcotic          | 506,239,924          | 2,625,054  | 46.1               | 28,904,135      | 0.4                   | 46        | 18                |  |
| CALCIUM BLOCKERS               | 444,141,411          | 1,198,907  | 21.1               | 13,272,411      | 0.6                   | 52        | 33                |  |
| Total                          | 7,600,209,569        | 17,881,403 |                    | 198,301,955     | n.a.                  | n.a.      | n.a.              |  |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.7 includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2001. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement; n.a. = not applicable.

TABLE D.7A  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED  
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | All Top 10 Drug Groups |                        |                  |                          |                             | ANTIPSYCHOTICS |                          |                             |               |                          | ULCER DRUGS                 |              |                          |                             |              |                          |                             |
|-----------------------------|------------------------|------------------------|------------------|--------------------------|-----------------------------|----------------|--------------------------|-----------------------------|---------------|--------------------------|-----------------------------|--------------|--------------------------|-----------------------------|--------------|--------------------------|-----------------------------|
|                             | No. of Rx              | Rx \$                  | No. of Users     | Users as % of Dual Benes | Mean No. of Mos among Users | No. of Users   | Users as % of Dual Benes | Mean No. of Mos among Users | No. of Users  | Users as % of Dual Benes | Mean No. of Mos among Users | No. of Users | Users as % of Dual Benes | Mean No. of Mos among Users | No. of Users | Users as % of Dual Benes | Mean No. of Mos among Users |
| <b>All</b>                  | <b>108,602,240</b>     | <b>\$7,600,209,569</b> | <b>1,319,211</b> | <b>23.2 %</b>            | <b>14,480,871</b>           | <b>0.7</b>     | <b>\$106</b>             | <b>2,238,982</b>            | <b>39.3 %</b> | <b>24,822,695</b>        | <b>0.5</b>                  | <b>\$44</b>  |                          |                             |              |                          |                             |
| <b>Female</b>               | 74,281,060             | 4,954,973,273          | 784,016          | 21.4                     | 8,584,021                   | 0.7            | 90                       | 1,573,037                   | 42.9          | 17,503,925               | 0.5                         | 44           |                          |                             |              |                          |                             |
| <b>Disabled</b>             | 30,660,033             | 2,325,406,989          | 372,160          | 28.0                     | 4,233,295                   | 0.7            | 110                      | 606,210                     | 45.6          | 6,917,831                | 0.5                         | 44           |                          |                             |              |                          |                             |
| 5 and younger               | 686                    | 34,976                 | 5                | 5.5                      | 43                          | 0.5            | 51                       | 50                          | 54.9          | 546                      | 0.5                         | 21           |                          |                             |              |                          |                             |
| 6-14                        | 3,473                  | 189,292                | 7                | 2.2                      | 77                          | 0.3            | 23                       | 148                         | 46.1          | 1,708                    | 0.4                         | 30           |                          |                             |              |                          |                             |
| 15-20                       | 31,087                 | 2,490,527              | 680              | 19.2                     | 7,521                       | 0.5            | 87                       | 779                         | 22.0          | 8,818                    | 0.3                         | 30           |                          |                             |              |                          |                             |
| 21-44                       | 6,663,274              | 588,273,618            | 137,921          | 38.6                     | 1,571,883                   | 0.7            | 119                      | 116,635                     | 32.7          | 1,329,861                | 0.4                         | 40           |                          |                             |              |                          |                             |
| 45-64                       | 15,414,559             | 1,179,417,815          | 172,563          | 29.1                     | 1,965,532                   | 0.8            | 116                      | 292,331                     | 49.3          | 3,320,286                | 0.5                         | 47           |                          |                             |              |                          |                             |
| 65-74                       | 5,935,456              | 395,608,437            | 38,141           | 15.5                     | 437,670                     | 0.6            | 83                       | 133,723                     | 54.2          | 1,550,599                | 0.4                         | 42           |                          |                             |              |                          |                             |
| 75-84                       | 2,028,197              | 126,268,937            | 16,145           | 17.5                     | 180,726                     | 0.6            | 72                       | 47,026                      | 50.9          | 538,410                  | 0.5                         | 42           |                          |                             |              |                          |                             |
| 85 and older                | 583,301                | 33,123,387             | 6,698            | 19.3                     | 69,843                      | 0.6            | 56                       | 15,518                      | 44.8          | 167,603                  | 0.5                         | 41           |                          |                             |              |                          |                             |
| <b>Other Eligibles</b>      | 43,620,918             | 2,629,560,168          | 411,856          | 17.6                     | 4,350,726                   | 0.6            | 70                       | 966,821                     | 41.4          | 10,586,051               | 0.5                         | 44           |                          |                             |              |                          |                             |
| 5 and younger               | 295                    | 13,201                 | 1                | 2.9                      | 12                          | 0.1            | 1                        | 8                           | 23.5          | 79                       | 0.5                         | 21           |                          |                             |              |                          |                             |
| 6-14                        | 678                    | 34,319                 | 3                | 4.1                      | 31                          | 0.4            | 28                       | 34                          | 46.6          | 362                      | 0.4                         | 23           |                          |                             |              |                          |                             |
| 15-20                       | 2,825                  | 194,492                | 39               | 10.9                     | 403                         | 0.8            | 104                      | 79                          | 22.0          | 817                      | 0.3                         | 29           |                          |                             |              |                          |                             |
| 21-44                       | 191,974                | 14,708,777             | 3,424            | 17.6                     | 33,445                      | 0.5            | 69                       | 4,198                       | 21.6          | 42,171                   | 0.3                         | 35           |                          |                             |              |                          |                             |
| 45-64                       | 134,214                | 9,430,836              | 1,265            | 14.7                     | 12,847                      | 0.6            | 81                       | 2,879                       | 33.4          | 28,914                   | 0.4                         | 43           |                          |                             |              |                          |                             |
| 65-74                       | 13,088,831             | 848,717,785            | 84,336           | 12.4                     | 925,762                     | 0.7            | 84                       | 288,110                     | 42.2          | 3,250,197                | 0.4                         | 42           |                          |                             |              |                          |                             |
| 75-84                       | 17,469,028             | 1,055,820,995          | 155,919          | 17.9                     | 1,662,926                   | 0.6            | 71                       | 376,170                     | 43.1          | 4,168,608                | 0.5                         | 44           |                          |                             |              |                          |                             |
| 85 and older                | 12,733,073             | 700,639,763            | 166,869          | 22.1                     | 1,715,300                   | 0.6            | 60                       | 295,343                     | 39.1          | 3,094,903                | 0.6                         | 46           |                          |                             |              |                          |                             |
| <b>Male</b>                 | 34,321,050             | 2,645,219,714          | 535,189          | 26.4                     | 5,896,781                   | 0.8            | 129                      | 665,941                     | 32.9          | 7,318,742                | 0.5                         | 44           |                          |                             |              |                          |                             |
| <b>Disabled</b>             | 20,950,226             | 1,815,805,817          | 387,016          | 34.5                     | 4,388,017                   | 0.9            | 148                      | 346,015                     | 30.8          | 3,895,029                | 0.5                         | 45           |                          |                             |              |                          |                             |
| 5 and younger               | 1,135                  | 55,985                 | 5                | 2.9                      | 40                          | 0.4            | 17                       | 88                          | 51.8          | 1,002                    | 0.4                         | 22           |                          |                             |              |                          |                             |
| 6-14                        | 5,247                  | 302,636                | 23               | 5.6                      | 250                         | 0.4            | 40                       | 186                         | 45.6          | 2,139                    | 0.5                         | 37           |                          |                             |              |                          |                             |
| 15-20                       | 41,812                 | 3,711,630              | 1,119            | 24.0                     | 12,566                      | 0.7            | 112                      | 770                         | 16.5          | 8,678                    | 0.4                         | 33           |                          |                             |              |                          |                             |
| 21-44                       | 7,707,771              | 771,544,979            | 199,909          | 42.1                     | 2,275,315                   | 0.9            | 153                      | 110,722                     | 23.3          | 1,258,082                | 0.5                         | 43           |                          |                             |              |                          |                             |
| 45-64                       | 10,296,167             | 850,719,266            | 161,078          | 33.2                     | 1,825,442                   | 0.9            | 149                      | 168,517                     | 34.8          | 1,882,416                | 0.5                         | 48           |                          |                             |              |                          |                             |
| 65-74                       | 2,299,245              | 153,012,827            | 17,771           | 14.6                     | 200,311                     | 0.7            | 99                       | 50,802                      | 41.7          | 579,743                  | 0.4                         | 42           |                          |                             |              |                          |                             |
| 75-84                       | 491,949                | 30,541,176             | 5,367            | 18.8                     | 57,202                      | 0.7            | 79                       | 11,877                      | 41.5          | 131,798                  | 0.5                         | 43           |                          |                             |              |                          |                             |
| 85 and older                | 106,900                | 5,917,318              | 1,744            | 22.2                     | 16,891                      | 0.6            | 59                       | 3,053                       | 38.8          | 31,171                   | 0.5                         | 41           |                          |                             |              |                          |                             |
| <b>Other Eligibles</b>      | 13,370,764             | 829,410,265            | 148,170          | 16.4                     | 1,508,736                   | 0.7            | 75                       | 319,926                     | 35.4          | 3,423,713                | 0.5                         | 42           |                          |                             |              |                          |                             |
| 5 and younger               | 115                    | 6,115                  | 1                | 3.2                      | 9                           | 0.1            | 3                        | 10                          | 32.3          | 106                      | 0.4                         | 17           |                          |                             |              |                          |                             |
| 6-14                        | 1,128                  | 60,964                 | 4                | 3.8                      | 48                          | 0.4            | 59                       | 28                          | 26.4          | 320                      | 0.6                         | 38           |                          |                             |              |                          |                             |
| 15-20                       | 2,043                  | 194,743                | 48               | 16.8                     | 498                         | 0.6            | 104                      | 57                          | 20.0          | 597                      | 0.5                         | 36           |                          |                             |              |                          |                             |
| 21-44                       | 118,814                | 9,912,531              | 1,698            | 14.9                     | 16,443                      | 0.6            | 94                       | 2,446                       | 21.5          | 23,937                   | 0.4                         | 43           |                          |                             |              |                          |                             |
| 45-64                       | 133,109                | 9,560,256              | 1,222            | 11.5                     | 12,376                      | 0.6            | 96                       | 2,790                       | 26.3          | 26,688                   | 0.5                         | 45           |                          |                             |              |                          |                             |
| 65-74                       | 5,558,238              | 358,704,086            | 47,690           | 12.6                     | 508,872                     | 0.7            | 89                       | 126,250                     | 33.4          | 1,390,276                | 0.5                         | 41           |                          |                             |              |                          |                             |
| 75-84                       | 5,256,077              | 322,015,185            | 60,061           | 17.7                     | 608,442                     | 0.6            | 71                       | 126,973                     | 37.5          | 1,365,038                | 0.5                         | 43           |                          |                             |              |                          |                             |
| 85 and older                | 2,301,240              | 128,956,385            | 37,446           | 22.6                     | 362,048                     | 0.6            | 59                       | 61,372                      | 37.1          | 616,751                  | 0.6                         | 45           |                          |                             |              |                          |                             |
| <b>Unknown</b>              | 299                    | 26,330                 | 9                | 25.0                     | 97                          | 0.5            | 105                      | 10                          | 27.8          | 71                       | 0.4                         | 26           |                          |                             |              |                          |                             |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

Table D7A

Dual Eligible Beneficiaries

a. Table D.7A includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2001. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.7B  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | ANTIDEPRESSANTS  |                          |                        |            | ANTIDIABETIC     |                          |                        |            | ANTICONVULSANT   |                          |                        |            |
|-----------------------------|------------------|--------------------------|------------------------|------------|------------------|--------------------------|------------------------|------------|------------------|--------------------------|------------------------|------------|
|                             | No. of Users     | Users as % of Dual Benes | No. of Mos among Users | Mean Rx \$ | No. of Users     | Users as % of Dual Benes | No. of Mos among Users | Mean Rx \$ | No. of Users     | Users as % of Dual Benes | No. of Mos among Users | Mean Rx \$ |
| <b>All</b>                  | <b>2,198,276</b> | <b>38.6 %</b>            | <b>24,033,115</b>      | <b>0.6</b> | <b>1,752,104</b> | <b>30.8 %</b>            | <b>19,379,738</b>      | <b>0.6</b> | <b>1,136,421</b> | <b>20.0 %</b>            | <b>12,602,444</b>      | <b>0.8</b> |
| <b>Female</b>               | 1,548,334        | 42.2                     | 16,972,617             | 0.6        | 1,231,560        | 33.6                     | 13,695,785             | 0.6        | 682,648          | 18.6                     | 7,574,680              | 0.7        |
| <b>Disabled</b>             | 727,990          | 54.8                     | 8,229,039              | 0.6        | 468,801          | 35.3                     | 5,324,919              | 0.6        | 394,147          | 29.7                     | 4,471,918              | 0.7        |
| 5 and younger               | 5                | 5.5                      | 33                     | 0.4        | 0                | 0.0                      | 0                      | 0          | 4                | 4.4                      | 46                     | 0.9        |
| 6-14                        | 23               | 7.2                      | 276                    | 0.5        | 13               | 4.0                      | 156                    | 0.5        | 34               | 10.6                     | 394                    | 0.6        |
| 15-20                       | 1,089            | 30.7                     | 12,172                 | 0.5        | 170              | 4.8                      | 1,943                  | 0.4        | 867              | 24.4                     | 9,715                  | 0.7        |
| 21-44                       | 216,945          | 60.8                     | 2,449,208              | 0.6        | 51,042           | 14.3                     | 578,936                | 0.6        | 145,019          | 40.6                     | 1,645,693              | 0.8        |
| 45-64                       | 377,240          | 63.6                     | 4,257,382              | 0.6        | 238,305          | 40.2                     | 2,687,615              | 0.6        | 193,128          | 32.5                     | 2,187,884              | 0.8        |
| 65-74                       | 92,246           | 37.4                     | 1,063,422              | 0.5        | 131,860          | 53.4                     | 1,521,876              | 0.6        | 39,036           | 15.8                     | 448,731                | 0.6        |
| 75-84                       | 29,465           | 31.9                     | 331,959                | 0.5        | 39,091           | 42.3                     | 445,086                | 0.6        | 12,600           | 13.6                     | 142,659                | 0.6        |
| 85 and older                | 10,977           | 31.7                     | 114,587                | 0.6        | 8,320            | 24.0                     | 89,307                 | 0.6        | 3,459            | 10.0                     | 36,796                 | 0.6        |
| <b>Other Eligibles</b>      | 820,339          | 35.1                     | 8,743,541              | 0.6        | 762,757          | 32.6                     | 8,370,859              | 0.6        | 288,501          | 12.3                     | 3,102,762              | 0.7        |
| 5 and younger               | 4                | 11.8                     | 36                     | 0.8        | 2                | 5.9                      | 18                     | 1.0        | 4                | 11.8                     | 39                     | 0.5        |
| 6-14                        | 5                | 6.8                      | 60                     | 0.7        | 2                | 2.7                      | 24                     | 0.8        | 7                | 9.6                      | 74                     | 0.5        |
| 15-20                       | 95               | 26.5                     | 967                    | 0.5        | 17               | 4.7                      | 160                    | 0.4        | 69               | 19.2                     | 713                    | 0.8        |
| 21-44                       | 9,918            | 51.0                     | 96,199                 | 0.5        | 1,795            | 9.2                      | 17,438                 | 0.6        | 4,710            | 24.2                     | 46,149                 | 0.6        |
| 45-64                       | 4,541            | 52.7                     | 44,795                 | 0.5        | 2,725            | 31.6                     | 26,703                 | 0.6        | 1,888            | 21.9                     | 19,027                 | 0.6        |
| 65-74                       | 216,496          | 31.7                     | 2,397,791              | 0.6        | 292,633          | 42.9                     | 3,273,584              | 0.6        | 89,815           | 13.2                     | 995,096                | 0.7        |
| 75-84                       | 308,556          | 35.4                     | 3,319,058              | 0.6        | 314,096          | 36.0                     | 3,467,966              | 0.6        | 115,368          | 13.2                     | 1,248,700              | 0.7        |
| 85 and older                | 280,724          | 37.2                     | 2,884,635              | 0.7        | 151,487          | 20.1                     | 1,584,966              | 0.7        | 76,640           | 10.1                     | 792,964                | 0.7        |
| <b>Male</b>                 | 649,941          | 32.1                     | 7,060,486              | 0.6        | 520,542          | 25.7                     | 5,683,939              | 0.6        | 453,771          | 22.4                     | 5,027,740              | 0.8        |
| <b>Disabled</b>             | 417,474          | 37.2                     | 4,672,453              | 0.6        | 254,321          | 22.7                     | 2,835,001              | 0.6        | 338,077          | 30.1                     | 3,816,635              | 0.8        |
| 5 and younger               | 3                | 1.8                      | 18                     | 0.7        | 0                | 0.0                      | 0                      | 0          | 7                | 4.1                      | 83                     | 0.8        |
| 6-14                        | 48               | 11.8                     | 553                    | 0.6        | 3                | 0.7                      | 36                     | 0.6        | 52               | 12.7                     | 596                    | 0.8        |
| 15-20                       | 1,108            | 23.8                     | 12,350                 | 0.5        | 138              | 3.0                      | 1,564                  | 0.6        | 1,186            | 25.5                     | 13,442                 | 0.8        |
| 21-44                       | 187,907          | 39.6                     | 2,115,834              | 0.6        | 50,295           | 10.6                     | 564,176                | 0.6        | 164,333          | 34.6                     | 1,863,836              | 0.8        |
| 45-64                       | 189,495          | 39.1                     | 2,109,963              | 0.6        | 143,530          | 29.6                     | 1,587,601              | 0.6        | 149,009          | 30.7                     | 1,675,946              | 0.9        |
| 65-74                       | 29,717           | 24.4                     | 337,652                | 0.5        | 49,435           | 40.6                     | 563,847                | 0.6        | 18,443           | 15.1                     | 208,471                | 0.7        |
| 75-84                       | 7,051            | 24.6                     | 75,236                 | 0.6        | 9,251            | 32.3                     | 101,205                | 0.6        | 4,155            | 14.5                     | 45,329                 | 0.7        |
| 85 and older                | 2,145            | 27.3                     | 20,847                 | 0.6        | 1,669            | 21.2                     | 16,572                 | 0.6        | 892              | 11.3                     | 8,932                  | 0.7        |
| <b>Other Eligibles</b>      | 232,467          | 25.7                     | 2,388,033              | 0.6        | 266,221          | 29.4                     | 2,848,938              | 0.6        | 115,693          | 12.8                     | 1,211,094              | 0.7        |
| 5 and younger               | 0                | 0.0                      | 0                      | 0.0        | 0                | 0.0                      | 0                      | 0          | 2                | 6.5                      | 24                     | 0.1        |
| 6-14                        | 11               | 10.4                     | 129                    | 0.6        | 0                | 0.0                      | 0                      | 0          | 6                | 5.7                      | 72                     | 1.0        |
| 15-20                       | 49               | 17.2                     | 487                    | 0.5        | 11               | 3.9                      | 92                     | 0.5        | 43               | 15.1                     | 436                    | 0.8        |
| 21-44                       | 4,592            | 40.3                     | 43,929                 | 0.5        | 1,330            | 11.7                     | 12,185                 | 0.6        | 2,541            | 22.3                     | 24,377                 | 0.6        |
| 45-64                       | 3,515            | 33.1                     | 33,704                 | 0.5        | 2,994            | 28.2                     | 27,736                 | 0.6        | 1,843            | 17.4                     | 18,114                 | 0.7        |
| 65-74                       | 81,270           | 21.5                     | 873,260                | 0.6        | 124,695          | 33.0                     | 1,364,923              | 0.6        | 48,486           | 12.8                     | 524,551                | 0.7        |
| 75-84                       | 90,852           | 26.8                     | 932,889                | 0.6        | 103,144          | 30.5                     | 1,103,315              | 0.6        | 44,215           | 13.1                     | 460,424                | 0.7        |
| 85 and older                | 52,178           | 31.5                     | 503,635                | 0.7        | 34,047           | 20.6                     | 340,687                | 0.7        | 18,557           | 11.2                     | 183,096                | 0.7        |
| <b>Unknown</b>              | 6                | 16.7                     | 49                     | 0.9        | 4                | 11.1                     | 21                     | 0.6        | 3                | 8.3                      | 35                     | 0.7        |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

Table D7B

Dual Eligible Beneficiaries



- a. Table D.7B includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2001. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mdmb.asp](http://www.Medi-Span.com/products/product_mdmb.asp) (May 13 2003).
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.7C  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | ANALGESICS - ANTI-INFLAMMATORY |                          |                             |            |                | ANTIHYPERLIPIDEMIC |                          |                             |            |                | ANTIHYPERTENSIVE |                          |                             |            |                |
|-----------------------------|--------------------------------|--------------------------|-----------------------------|------------|----------------|--------------------|--------------------------|-----------------------------|------------|----------------|------------------|--------------------------|-----------------------------|------------|----------------|
|                             | No. of Users                   | Users as % of Dual Benes | No. of Bene Mos among Users | Mean Rx \$ | Mean No. of Rx | No. of Users       | Users as % of Dual Benes | No. of Bene Mos among Users | Mean Rx \$ | Mean No. of Rx | No. of Users     | Users as % of Dual Benes | No. of Bene Mos among Users | Mean Rx \$ | Mean No. of Rx |
| <b>All</b>                  | <b>2,052,849</b>               | <b>36.1 %</b>            | <b>23,330,853</b>           | <b>0.4</b> | <b>\$26</b>    | <b>1,088,978</b>   | <b>19.1 %</b>            | <b>12,327,656</b>           | <b>0.6</b> | <b>\$48</b>    | <b>2,270,621</b> | <b>39.9 %</b>            | <b>25,148,037</b>           | <b>0.6</b> | <b>\$24</b>    |
| <b>Female</b>               | 1,467,453                      | 40.0                     | 16,717,604                  | 0.4        | 28             | 749,203            | 20.4                     | 8,514,245                   | 0.6        | 48             | 1,551,643        | 42.3                     | 17,246,275                  | 0.6        | 24             |
| <b>Disabled</b>             | 630,065                        | 47.4                     | 7,266,083                   | 0.3        | 26             | 295,522            | 22.2                     | 3,386,397                   | 0.6        | 48             | 498,919          | 37.6                     | 5,672,273                   | 0.6        | 23             |
| 5 and younger               | 8                              | 8.8                      | 74                          | 0.3        | 8              | 2                  | 2.2                      | 15                          | 0.1        | 7              | 32               | 35.2                     | 346                         | 0.3        | 11             |
| 6-14                        | 14                             | 4.4                      | 158                         | 0.2        | 2              | 16                 | 5.0                      | 192                         | 0.5        | 33             | 172              | 53.6                     | 1,938                       | 0.5        | 19             |
| 15-20                       | 805                            | 22.7                     | 9,181                       | 0.2        | 6              | 93                 | 2.6                      | 1,035                       | 0.4        | 37             | 535              | 15.1                     | 6,013                       | 0.4        | 18             |
| 21-44                       | 137,136                        | 38.4                     | 1,571,914                   | 0.3        | 17             | 26,752             | 7.5                      | 305,041                     | 0.5        | 42             | 51,161           | 14.3                     | 577,052                     | 0.5        | 19             |
| 45-64                       | 291,939                        | 49.2                     | 3,348,893                   | 0.4        | 29             | 152,318            | 25.7                     | 1,729,670                   | 0.6        | 48             | 235,205          | 39.6                     | 2,653,547                   | 0.6        | 23             |
| 65-74                       | 143,446                        | 58.1                     | 1,679,582                   | 0.4        | 27             | 88,275             | 35.8                     | 1,026,639                   | 0.6        | 50             | 143,602          | 58.2                     | 1,661,510                   | 0.6        | 25             |
| 75-84                       | 44,746                         | 48.4                     | 522,055                     | 0.4        | 29             | 24,229             | 26.2                     | 280,824                     | 0.6        | 51             | 52,553           | 56.9                     | 602,030                     | 0.6        | 25             |
| 85 and older                | 11,971                         | 34.5                     | 134,226                     | 0.4        | 29             | 3,837              | 11.1                     | 42,981                      | 0.6        | 46             | 15,659           | 45.2                     | 169,837                     | 0.6        | 23             |
| <b>Other Eligibles</b>      | 837,385                        | 35.8                     | 9,451,504                   | 0.4        | 30             | 453,680            | 19.4                     | 5,127,836                   | 0.6        | 48             | 1,052,721        | 45.0                     | 11,573,985                  | 0.6        | 24             |
| 5 and younger               | 6                              | 17.6                     | 66                          | 0.3        | 21             | 2                  | 5.9                      | 24                          | 0.7        | 61             | 11               | 32.4                     | 132                         | 0.4        | 10             |
| 6-14                        | 4                              | 5.5                      | 48                          | 0.1        | 2              | 1                  | 1.4                      | 9                           | 0.8        | 45             | 31               | 42.5                     | 330                         | 0.5        | 17             |
| 15-20                       | 60                             | 16.7                     | 630                         | 0.2        | 5              | 10                 | 2.8                      | 86                          | 0.3        | 23             | 90               | 25.1                     | 940                         | 0.4        | 17             |
| 21-44                       | 6,382                          | 32.8                     | 63,270                      | 0.3        | 17             | 806                | 4.1                      | 7,874                       | 0.5        | 37             | 1,932            | 9.9                      | 18,746                      | 0.4        | 16             |
| 45-64                       | 3,532                          | 41.0                     | 35,405                      | 0.3        | 25             | 1,436              | 16.7                     | 14,194                      | 0.5        | 43             | 2,689            | 31.2                     | 25,878                      | 0.6        | 22             |
| 65-74                       | 294,117                        | 43.1                     | 3,370,046                   | 0.4        | 28             | 201,900            | 29.6                     | 2,288,849                   | 0.5        | 48             | 334,403          | 49.0                     | 3,756,244                   | 0.6        | 24             |
| 75-84                       | 332,312                        | 38.1                     | 3,793,047                   | 0.4        | 30             | 193,191            | 22.2                     | 2,196,140                   | 0.6        | 49             | 428,702          | 49.2                     | 4,774,225                   | 0.6        | 24             |
| 85 and older                | 200,972                        | 26.6                     | 2,188,992                   | 0.5        | 33             | 56,334             | 7.5                      | 620,660                     | 0.6        | 46             | 284,863          | 37.7                     | 2,997,490                   | 0.7        | 24             |
| <b>Male</b>                 | 585,390                        | 28.9                     | 6,613,177                   | 0.3        | 21             | 339,774            | 16.8                     | 3,813,399                   | 0.6        | 48             | 718,974          | 35.5                     | 7,901,724                   | 0.6        | 23             |
| <b>Disabled</b>             | 329,239                        | 29.3                     | 3,753,188                   | 0.3        | 18             | 183,270            | 16.3                     | 2,073,627                   | 0.6        | 49             | 325,553          | 29.0                     | 3,636,766                   | 0.6        | 23             |
| 5 and younger               | 8                              | 4.7                      | 75                          | 0.2        | 3              | 2                  | 1.2                      | 24                          | 0.5        | 28             | 47               | 27.6                     | 535                         | 0.4        | 12             |
| 6-14                        | 10                             | 2.5                      | 117                         | 0.1        | 1              | 20                 | 4.9                      | 237                         | 0.5        | 34             | 214              | 52.5                     | 2,406                       | 0.5        | 18             |
| 15-20                       | 649                            | 13.9                     | 7,309                       | 0.2        | 7              | 87                 | 1.9                      | 990                         | 0.5        | 34             | 709              | 15.2                     | 8,094                       | 0.5        | 17             |
| 21-44                       | 116,189                        | 24.5                     | 1,323,851                   | 0.2        | 12             | 41,354             | 8.7                      | 471,552                     | 0.6        | 43             | 72,176           | 15.2                     | 808,162                     | 0.6        | 21             |
| 45-64                       | 150,984                        | 31.1                     | 1,710,119                   | 0.3        | 21             | 101,527            | 20.9                     | 1,137,731                   | 0.6        | 50             | 169,854          | 35.0                     | 1,879,402                   | 0.6        | 23             |
| 65-74                       | 49,966                         | 41.0                     | 581,563                     | 0.3        | 22             | 34,302             | 28.2                     | 395,893                     | 0.6        | 51             | 65,168           | 53.5                     | 746,576                     | 0.6        | 25             |
| 75-84                       | 9,520                          | 33.3                     | 109,531                     | 0.4        | 24             | 5,385              | 18.8                     | 60,842                      | 0.6        | 50             | 14,278           | 49.9                     | 159,441                     | 0.6        | 24             |
| 85 and older                | 1,913                          | 24.3                     | 20,623                      | 0.4        | 26             | 593                | 7.5                      | 6,358                       | 0.6        | 46             | 3,107            | 39.5                     | 32,150                      | 0.6        | 23             |
| <b>Other Eligibles</b>      | 256,149                        | 28.3                     | 2,859,965                   | 0.4        | 24             | 156,504            | 17.3                     | 1,739,772                   | 0.5        | 48             | 393,418          | 43.5                     | 4,264,922                   | 0.6        | 23             |
| 5 and younger               | 0                              | 0.0                      | 0                           | 0.0        | 0              | 3                  | 9.7                      | 36                          | 0.1        | 23             | 4                | 12.9                     | 45                          | 0.3        | 8              |
| 6-14                        | 4                              | 3.8                      | 48                          | 0.3        | 6              | 6                  | 5.7                      | 69                          | 0.4        | 34             | 49               | 46.2                     | 559                         | 0.5        | 15             |
| 15-20                       | 20                             | 7.0                      | 184                         | 0.2        | 22             | 5                  | 1.8                      | 53                          | 0.5        | 40             | 61               | 21.4                     | 619                         | 0.5        | 20             |
| 21-44                       | 3,290                          | 28.9                     | 32,168                      | 0.3        | 17             | 1,038              | 9.1                      | 9,972                       | 0.5        | 40             | 1,900            | 16.7                     | 17,534                      | 0.5        | 21             |
| 45-64                       | 3,158                          | 29.7                     | 30,921                      | 0.3        | 22             | 2,102              | 19.8                     | 19,978                      | 0.5        | 46             | 3,284            | 30.9                     | 30,525                      | 0.6        | 22             |
| 65-74                       | 113,103                        | 30.0                     | 1,279,588                   | 0.3        | 23             | 82,401             | 21.8                     | 921,749                     | 0.5        | 48             | 166,964          | 44.2                     | 1,844,006                   | 0.6        | 23             |
| 75-84                       | 98,294                         | 29.0                     | 1,109,100                   | 0.4        | 25             | 59,766             | 17.6                     | 667,592                     | 0.5        | 48             | 158,517          | 46.8                     | 1,730,669                   | 0.6        | 24             |
| 85 and older                | 38,280                         | 23.1                     | 407,956                     | 0.4        | 29             | 11,183             | 6.8                      | 120,323                     | 0.5        | 45             | 62,639           | 37.9                     | 640,965                     | 0.6        | 22             |
| <b>Unknown</b>              | 11                             | 30.6                     | 113                         | 0.3        | 24             | 2                  | 5.6                      | 24                          | 0.5        | 67             | 10               | 27.8                     | 91                          | 0.6        | 29             |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

Table D7C

Dual Eligible Beneficiaries

- a. Table D.7C includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2001. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mdmb.asp](http://www.Medi-Span.com/products/product_mdmb.asp) (May 13 2003).
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.7D  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | ANALGESICS - Narcotic |                          |                          |            | CALCIUM BLOCKERS |                          |               |                          | Mean Rx \$  | Mean No. of Rx | Users as % of Dual Benes | No. of Users      | No. of Benes among Users | Mean Rx \$ | Mean No. of Rx | Users as % of Dual Benes | No. of Benes among Users | Mean Rx \$ | Mean No. of Rx | No. of Benes | No. of Bene Mos |
|-----------------------------|-----------------------|--------------------------|--------------------------|------------|------------------|--------------------------|---------------|--------------------------|-------------|----------------|--------------------------|-------------------|--------------------------|------------|----------------|--------------------------|--------------------------|------------|----------------|--------------|-----------------|
|                             | No. of Users          | Users as % of Dual Benes | No. of Benes among Users | Mean Rx \$ | Mean No. of Rx   | Users as % of Dual Benes | No. of Users  | No. of Benes among Users |             |                |                          |                   |                          |            |                |                          |                          |            |                |              |                 |
| <b>All</b>                  | <b>2,625,054</b>      | <b>46.1 %</b>            | <b>28,904,135</b>        | <b>0.4</b> | <b>\$18</b>      | <b>1,198,907</b>         | <b>21.1 %</b> | <b>13,272,411</b>        | <b>\$34</b> | <b>0.6</b>     | <b>5,693,212</b>         | <b>59,578,655</b> |                          |            |                |                          |                          |            |                |              |                 |
| <b>Female</b>               | 1,836,418             | 50.1                     | 20,304,803               | 0.4        | 17               | 880,773                  | 24.0          | 9,781,739                | 33          | 0.7            | 3,666,338                | 38,634,526        |                          |            |                |                          |                          |            |                |              |                 |
| <b>Disabled</b>             | 829,680               | 62.5                     | 9,428,621                | 0.4        | 19               | 266,587                  | 20.1          | 3,026,738                | 34          | 0.6            | 1,328,209                | 14,481,015        |                          |            |                |                          |                          |            |                |              |                 |
| 5 and younger               | 18                    | 19.8                     | 189                      | 0.2        | 6                | 30                       | 33.0          | 323                      | 33          | 0.5            | 91                       | 925               |                          |            |                |                          |                          |            |                |              |                 |
| 6-14                        | 84                    | 26.2                     | 961                      | 0.1        | 1                | 159                      | 49.5          | 1,765                    | 40          | 0.6            | 321                      | 3,470             |                          |            |                |                          |                          |            |                |              |                 |
| 15-20                       | 1,527                 | 43.1                     | 17,331                   | 0.2        | 7                | 401                      | 11.3          | 4,473                    | 36          | 0.5            | 3,547                    | 37,237            |                          |            |                |                          |                          |            |                |              |                 |
| 21-44                       | 223,071               | 62.5                     | 2,532,421                | 0.4        | 21               | 24,494                   | 6.9           | 275,677                  | 31          | 0.5            | 356,877                  | 3,868,319         |                          |            |                |                          |                          |            |                |              |                 |
| 45-64                       | 416,760               | 70.2                     | 4,724,461                | 0.4        | 22               | 120,175                  | 20.2          | 1,352,470                | 34          | 0.6            | 593,494                  | 6,410,982         |                          |            |                |                          |                          |            |                |              |                 |
| 65-74                       | 128,848               | 52.2                     | 1,486,278                | 0.3        | 12               | 80,023                   | 32.4          | 925,463                  | 35          | 0.6            | 246,769                  | 2,777,599         |                          |            |                |                          |                          |            |                |              |                 |
| 75-84                       | 45,482                | 49.2                     | 518,096                  | 0.4        | 11               | 31,243                   | 33.8          | 357,349                  | 34          | 0.7            | 92,437                   | 1,027,078         |                          |            |                |                          |                          |            |                |              |                 |
| 85 and older                | 13,890                | 40.1                     | 148,884                  | 0.4        | 12               | 10,062                   | 29.0          | 109,218                  | 33          | 0.7            | 34,673                   | 355,405           |                          |            |                |                          |                          |            |                |              |                 |
| <b>Other Eligibles</b>      | 1,006,730             | 43.1                     | 10,876,127               | 0.4        | 14               | 614,184                  | 26.3          | 6,754,988                | 33          | 0.7            | 2,338,129                | 24,153,511        |                          |            |                |                          |                          |            |                |              |                 |
| 5 and younger               | 9                     | 26.5                     | 82                       | 0.2        | 4                | 9                        | 26.5          | 107                      | 49          | 0.7            | 34                       | 304               |                          |            |                |                          |                          |            |                |              |                 |
| 6-14                        | 14                    | 19.2                     | 157                      | 0.1        | 1                | 38                       | 52.1          | 410                      | 31          | 0.6            | 73                       | 709               |                          |            |                |                          |                          |            |                |              |                 |
| 15-20                       | 123                   | 34.3                     | 1,220                    | 0.2        | 4                | 56                       | 15.6          | 578                      | 36          | 0.5            | 359                      | 3,064             |                          |            |                |                          |                          |            |                |              |                 |
| 21-44                       | 11,518                | 59.2                     | 112,693                  | 0.4        | 23               | 1,071                    | 5.5           | 10,098                   | 26          | 0.5            | 19,462                   | 154,664           |                          |            |                |                          |                          |            |                |              |                 |
| 45-64                       | 4,778                 | 55.4                     | 47,331                   | 0.4        | 23               | 1,362                    | 15.8          | 13,208                   | 32          | 0.6            | 8,619                    | 69,389            |                          |            |                |                          |                          |            |                |              |                 |
| 65-74                       | 308,177               | 45.2                     | 3,457,908                | 0.4        | 13               | 181,748                  | 26.6          | 2,040,276                | 33          | 0.6            | 682,306                  | 7,221,722         |                          |            |                |                          |                          |            |                |              |                 |
| 75-84                       | 378,649               | 43.4                     | 4,149,314                | 0.4        | 14               | 251,620                  | 28.9          | 2,804,029                | 34          | 0.7            | 871,859                  | 9,209,563         |                          |            |                |                          |                          |            |                |              |                 |
| 85 and older                | 303,462               | 40.2                     | 3,107,422                | 0.4        | 15               | 178,280                  | 23.6          | 1,886,282                | 33          | 0.7            | 755,417                  | 7,494,096         |                          |            |                |                          |                          |            |                |              |                 |
| <b>Male</b>                 | 788,628               | 38.9                     | 8,599,266                | 0.4        | 20               | 318,134                  | 15.7          | 3,490,672                | 34          | 0.6            | 2,026,838                | 20,943,844        |                          |            |                |                          |                          |            |                |              |                 |
| <b>Disabled</b>             | 488,985               | 43.6                     | 5,457,404                | 0.4        | 24               | 143,665                  | 12.8          | 1,601,486                | 35          | 0.6            | 1,122,777                | 11,966,985        |                          |            |                |                          |                          |            |                |              |                 |
| 5 and younger               | 26                    | 15.3                     | 294                      | 0.1        | 1                | 52                       | 30.6          | 592                      | 25          | 0.5            | 170                      | 1,702             |                          |            |                |                          |                          |            |                |              |                 |
| 6-14                        | 87                    | 21.3                     | 993                      | 0.1        | 3                | 213                      | 52.2          | 2,420                    | 47          | 0.7            | 408                      | 4,390             |                          |            |                |                          |                          |            |                |              |                 |
| 15-20                       | 1,319                 | 28.3                     | 14,932                   | 0.2        | 7                | 436                      | 9.4           | 4,860                    | 42          | 0.6            | 4,655                    | 48,678            |                          |            |                |                          |                          |            |                |              |                 |
| 21-44                       | 196,710               | 41.5                     | 2,211,352                | 0.4        | 26               | 29,823                   | 6.3           | 332,851                  | 36          | 0.6            | 474,523                  | 5,089,757         |                          |            |                |                          |                          |            |                |              |                 |
| 45-64                       | 230,311               | 47.5                     | 2,551,583                | 0.4        | 26               | 75,296                   | 15.5          | 832,203                  | 36          | 0.6            | 484,702                  | 5,106,715         |                          |            |                |                          |                          |            |                |              |                 |
| 65-74                       | 47,404                | 38.9                     | 536,752                  | 0.3        | 13               | 29,773                   | 24.4          | 340,104                  | 34          | 0.6            | 121,830                  | 1,339,329         |                          |            |                |                          |                          |            |                |              |                 |
| 75-84                       | 10,536                | 36.8                     | 115,818                  | 0.4        | 11               | 6,596                    | 23.0          | 73,361                   | 33          | 0.6            | 28,618                   | 303,073           |                          |            |                |                          |                          |            |                |              |                 |
| 85 and older                | 2,592                 | 32.9                     | 25,680                   | 0.4        | 10               | 1,476                    | 18.8          | 15,095                   | 30          | 0.7            | 7,871                    | 73,341            |                          |            |                |                          |                          |            |                |              |                 |
| <b>Other Eligibles</b>      | 299,642               | 33.1                     | 3,141,857                | 0.4        | 13               | 174,469                  | 19.3          | 1,889,186                | 32          | 0.6            | 904,061                  | 8,976,859         |                          |            |                |                          |                          |            |                |              |                 |
| 5 and younger               | 7                     | 22.6                     | 84                       | 0.1        | 1                | 6                        | 19.4          | 72                       | 41          | 0.5            | 31                       | 256               |                          |            |                |                          |                          |            |                |              |                 |
| 6-14                        | 15                    | 14.2                     | 172                      | 0.1        | 1                | 50                       | 47.2          | 541                      | 50          | 0.8            | 106                      | 1,012             |                          |            |                |                          |                          |            |                |              |                 |
| 15-20                       | 42                    | 14.7                     | 439                      | 0.3        | 52               | 56                       | 19.6          | 565                      | 42          | 0.6            | 285                      | 2,309             |                          |            |                |                          |                          |            |                |              |                 |
| 21-44                       | 6,407                 | 56.2                     | 61,259                   | 0.5        | 40               | 837                      | 7.3           | 7,738                    | 34          | 0.6            | 11,396                   | 86,196            |                          |            |                |                          |                          |            |                |              |                 |
| 45-64                       | 4,799                 | 45.2                     | 45,462                   | 0.4        | 28               | 1,457                    | 13.7          | 13,497                   | 33          | 0.6            | 10,619                   | 81,007            |                          |            |                |                          |                          |            |                |              |                 |
| 65-74                       | 125,796               | 33.3                     | 1,369,394                | 0.3        | 13               | 72,323                   | 19.2          | 798,323                  | 33          | 0.6            | 377,445                  | 3,843,830         |                          |            |                |                          |                          |            |                |              |                 |
| 75-84                       | 108,252               | 32.0                     | 1,138,186                | 0.3        | 11               | 71,167                   | 21.0          | 774,816                  | 32          | 0.6            | 338,700                  | 3,416,471         |                          |            |                |                          |                          |            |                |              |                 |
| 85 and older                | 54,324                | 32.8                     | 526,861                  | 0.4        | 11               | 28,573                   | 17.3          | 293,634                  | 30          | 0.7            | 165,479                  | 1,545,778         |                          |            |                |                          |                          |            |                |              |                 |
| <b>Unknown</b>              | 17                    | 47.2                     | 126                      | 0.2        | 11               | 2                        | 5.6           | 13                       | 19          | 0.7            | 36                       | 285               |                          |            |                |                          |                          |            |                |              |                 |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

Table D7D

Dual Eligible Beneficiaries

- a. Table D.7D includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2001. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy; \$ = Medicaid reimbursement.

TABLE D.8  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics             | Rx \$ per Bene Mo | No. of Rx per Bene Mo | No. of All-Year NF Residents | Bene Mos among All-Year NF Residents |
|---|-------------------|-----------------------|------------------------------|--------------------------------------|
| <b>All</b>                              | <b>\$249</b>      | <b>5.6</b>            | <b>855,393</b>               | <b>8,629,942</b>                     |
| <b>Age</b>                              |                   |                       |                              |                                      |
| 0-64                                    | 387               | 6.7                   | 62,062                       | 683,353                              |
| 65-74                                   | 316               | 6.5                   | 108,793                      | 1,132,432                            |
| 75-84                                   | 260               | 5.9                   | 276,812                      | 2,787,355                            |
| 85 and older                            | 199               | 5.0                   | 407,722                      | 4,026,773                            |
| Unknown                                 | 193               | 5.0                   | 4                            | 29                                   |
| <b>Gender</b>                           |                   |                       |                              |                                      |
| Female                                  | 241               | 5.6                   | 630,341                      | 6,413,559                            |
| Male                                    | 271               | 5.6                   | 225,052                      | 2,216,383                            |
| Unknown                                 | 0                 | 0.0                   | 0                            | 0                                    |
| <b>Race</b>                             |                   |                       |                              |                                      |
| White                                   | 256               | 5.9                   | 674,601                      | 6,743,622                            |
| African American                        | 240               | 5.1                   | 100,214                      | 1,054,137                            |
| Other/unknown                           | 201               | 4.1                   | 80,578                       | 832,183                              |
| <b>Basis of Eligibility<sup>c</sup></b> |                   |                       |                              |                                      |
| Aged                                    | 236               | 5.5                   | 753,405                      | 7,539,947                            |
| Disabled                                | 339               | 6.2                   | 101,899                      | 1,089,075                            |
| Adults                                  | 222               | 3.2                   | 87                           | 896                                  |
| Children                                | 191               | 5.9                   | 2                            | 24                                   |
| Unknown                                 | 0                 | 0.0                   | 0                            | 0                                    |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.8 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their 2001 Medicaid enrollment. A total of 434,073 beneficiaries who were in nursing facilities for part of their enrollment and their 4,001,474 benefit months were excluded from the analysis. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.

Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy; \$ = Medicaid reimbursement.

TABLE D.9  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d, e</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Therapeutic Category                            | No. of Rx per Bene Mo among Users |          |            | \$ per Bene Mo among Users |          |            | \$ per Rx |          |            | Users         |             |      |                                    |                 |        |           |
|---|-----------------------------------|----------|------------|----------------------------|----------|------------|-----------|----------|------------|---------------|-------------|------|------------------------------------|-----------------|--------|-----------|
|   | Total                             | Patented | Off-Patent | Total                      | Patented | Off-Patent | Total     | Patented | Off-Patent | Total # of Rx | Total Rx \$ | No.  | As % of Dual All-Year NF Residents | No. of Bene Mos |        |           |
| Anti-infective Agents                           | 0.4                               | 0.2      | 0.0        | 0.2                        | \$18     | \$16       | \$0       | \$2      | \$50       | \$76          | \$55        | \$13 | 1,961,036                          | 503,413         | 58.9 % | 5,321,933 |
| Biologics                                       | 0.1                               | 0.1      | 0.0        | 0.0                        | 2        | 1          | 1         | 1        | 25         | 14            | 5,045       | 23   | 43,876                             | 39,996          | 4.7    | 448,750   |
| Antineoplastic Agents                           | 0.6                               | 0.1      | 0.2        | 0.2                        | 86       | 32         | 38        | 16       | 146        | 224           | 158         | 78   | 371,372                            | 63,320          | 7.4    | 626,878   |
| Endocrine/Metabolic Drugs                       | 1.1                               | 0.5      | 0.2        | 0.4                        | 36       | 29         | 2         | 5        | 32         | 53            | 15          | 11   | 4,044,402                          | 339,579         | 39.7   | 3,523,780 |
| Cardiovascular Agents                           | 2.0                               | 0.6      | 0.2        | 1.2                        | 49       | 25         | 4         | 20       | 25         | 44            | 21          | 16   | 11,048,680                         | 543,876         | 63.6   | 5,567,976 |
| Respiratory Agents                              | 0.7                               | 0.3      | 0.0        | 0.4                        | 29       | 18         | 0         | 10       | 39         | 55            | 26          | 26   | 2,446,823                          | 312,538         | 36.5   | 3,304,352 |
| Gastrointestinal Agents                         | 1.0                               | 0.4      | 0.0        | 0.5                        | 56       | 42         | 3         | 12       | 57         | 103           | 67          | 22   | 3,806,990                          | 372,722         | 43.6   | 3,877,815 |
| Genitourinary Agents                            | 0.6                               | 0.4      | 0.0        | 0.2                        | 29       | 25         | 0         | 4        | 49         | 63            | 37          | 21   | 1,030,807                          | 160,499         | 18.8   | 1,706,695 |
| CNS Drugs                                       | 1.6                               | 0.9      | 0.1        | 0.5                        | 108      | 89         | 8         | 11       | 70         | 97            | 86          | 21   | 8,711,327                          | 539,944         | 63.1   | 5,606,620 |
| Stimulants/Anti-obesity/Anorexia                | 0.7                               | 0.1      | 0.0        | 0.6                        | 22       | 11         | 1         | 10       | 31         | 108           | 33          | 18   | 40,308                             | 5,538           | 0.6    | 57,331    |
| Miscellaneous Psychological/Neurological Agents | 0.8                               | 0.8      | 0.0        | 0.0                        | 88       | 88         | 0         | 0        | 114        | 116           | 43          | 31   | 665,686                            | 84,206          | 9.8    | 865,011   |
| Analgesics and Anesthetics                      | 0.9                               | 0.4      | 0.0        | 0.5                        | 42       | 34         | 2         | 5        | 44         | 78            | 47          | 12   | 3,501,292                          | 364,160         | 42.6   | 3,739,018 |
| Neuromuscular Agents                            | 1.3                               | 0.5      | 0.1        | 0.7                        | 60       | 36         | 6         | 18       | 47         | 79            | 39          | 28   | 3,196,386                          | 238,006         | 27.8   | 2,533,158 |
| Nutritional Products                            | 0.8                               | 0.0      | 0.2        | 0.6                        | 13       | 0          | 5         | 8        | 17         | 19            | 25          | 14   | 2,010,540                          | 252,165         | 29.5   | 2,589,677 |
| Hematological Agents                            | 1.1                               | 0.3      | 0.3        | 0.5                        | 47       | 37         | 5         | 6        | 44         | 142           | 14          | 12   | 2,421,244                          | 218,369         | 25.5   | 2,243,146 |
| Topical Products                                | 0.6                               | 0.2      | 0.1        | 0.3                        | 18       | 11         | 2         | 4        | 32         | 48            | 40          | 16   | 2,722,158                          | 445,752         | 52.1   | 4,788,038 |
| Miscellaneous Products                          | 0.3                               | 0.0      | 0.0        | 0.2                        | 10       | 3          | 1         | 6        | 37         | 77            | 176         | 26   | 124,579                            | 45,711          | 5.3    | 473,350   |
| Unknown Therapeutic Category                    | 0.3                               | 0.0      | 0.0        | 0.0                        | 9        | 0          | 0         | 0        | 26         | 0             | 0           | 0    | 177,363                            | 48,010          | 5.6    | 517,194   |
| TOTAL NO. OF RX AND RX \$                       | n.a.                              | n.a.     | n.a.       | n.a.                       | n.a.     | n.a.       | n.a.      | n.a.     | n.a.       | n.a.          | n.a.        | n.a. | 48,324,869                         | 2,144,595,730   | n.a.   | n.a.      |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.9 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 434,073 beneficiaries who were in nursing facilities for part of their enrollment and their 4,001,474 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2001. A beneficiary who used drugs from two or more categories was counted as a user for each category. Therefore, the sum of users across categories may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

d. For information about these therapeutic categories, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

e. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. For information about this classification method, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003). In the U.S., 44.4 percent of drug claims have missing values for brand status. Thus, the sum of the three groups in this table may be smaller than all prescriptions combined.

Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; CNS = Central Nervous System; MAX = Medicaid Analytic Extract; n.a. = not applicable; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY TOP-10 DRUG GROUP<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Top 10 Drug Groups in Nursing Facilities | Users                |                  |                               |                   | Among Users           |             |                   |
|--|----------------------|------------------|-------------------------------|-------------------|-----------------------|-------------|-------------------|
|  | Total Medicaid Rx \$ | No. of Users     | As % of All-Year NF Residents | No. of Bene Mos   | No. of Rx per Bene Mo | \$ per Rx   | Rx \$ per Bene Mo |
| ANTIPSYCHOTICS                           | \$328,419,840        | 335,573          | 39.2 %                        | 3,588,448         | 0.8                   | \$117       | \$92              |
| ANTIDEPRESSANTS                          | 222,942,105          | 446,300          | 52.2                          | 4,692,041         | 0.8                   | 58          | 48                |
| ULCER DRUGS                              | 191,616,967          | 349,361          | 40.8                          | 3,672,237         | 0.7                   | 72          | 52                |
| ANTICONVULSANT                           | 103,570,487          | 205,173          | 24.0                          | 2,214,954         | 1.0                   | 48          | 47                |
| ANTIDIABETIC                             | 81,743,414           | 243,112          | 28.4                          | 2,554,601         | 0.8                   | 39          | 32                |
| ANTIHYPERTENSIVE                         | 80,188,347           | 289,458          | 33.8                          | 3,008,377         | 0.8                   | 32          | 27                |
| ANALGESICS - ANTI-INFLAMMATORY           | 77,200,721           | 188,008          | 22.0                          | 2,024,679         | 0.6                   | 62          | 38                |
| MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL  | 76,000,701           | 84,049           | 9.8                           | 869,033           | 0.8                   | 114         | 87                |
| ANALGESICS - Narcotic                    | 73,850,510           | 334,947          | 39.2                          | 3,425,824         | 0.6                   | 37          | 22                |
| ANTIASTHMATIC                            | 61,807,549           | 278,513          | 32.6                          | 2,904,274         | 0.5                   | 41          | 21                |
| <b>Total</b>                             | <b>1,297,340,641</b> | <b>2,754,494</b> |                               | <b>28,954,468</b> | <b>n.a.</b>           | <b>n.a.</b> | <b>n.a.</b>       |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.10 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 434,073 beneficiaries who were in nursing facilities for part of their enrollment and their 4,001,474 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

d. The top 10 drug groups were determined based on total 2001 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.



TABLE D.10A

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED AND FIRST AND SECOND TOP DRUG GROUPS SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE<sup>a, b, c, d</sup>  
DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | All Top 10 Drug Groups |                        |                |                             | ANTIPSYCHOTICS   |              |                |                | ANTIDEPRESSANTS  |                  |                |             |
|-----------------------------|------------------------|------------------------|----------------|-----------------------------|------------------|--------------|----------------|----------------|------------------|------------------|----------------|-------------|
|                             | No. of Rx              | Rx \$                  | No. of Users   | Mean No. of Mos among Users | No. of Residents | No. of Users | Mean No. of Rx | Mean Rx \$     | No. of Residents | No. of Users     | Mean No. of Rx | Mean Rx \$  |
| <b>All</b>                  | <b>21,464,220</b>      | <b>\$1,297,340,641</b> | <b>335,573</b> | <b>39.2 %</b>               | <b>3,588,448</b> | <b>0.8</b>   | <b>\$92</b>    | <b>446,300</b> | <b>52.2 %</b>    | <b>4,692,041</b> | <b>0.8</b>     | <b>\$48</b> |
| <b>Female</b>               | 15,607,982             | 928,091,661            | 235,504        | 37.4                        | 2,532,110        | 0.8          | 86             | 334,849        | 53.1             | 3,540,510        | 0.8            | 47          |
| <b>Disabled</b>             | 1,782,131              | 121,574,608            | 28,820         | 53.4                        | 323,704          | 0.9          | 125            | 30,905         | 57.2             | 338,723          | 0.8            | 53          |
| 64 or younger               | 1,070,518              | 76,917,800             | 15,969         | 57.9                        | 182,107          | 1.0          | 144            | 17,975         | 65.2             | 202,078          | 0.9            | 58          |
| 65-74                       | 311,740                | 20,578,027             | 5,432          | 58.3                        | 62,012           | 0.9          | 117            | 4,820          | 51.8             | 53,701           | 0.8            | 49          |
| 75-84                       | 246,630                | 15,340,370             | 4,618          | 50.6                        | 50,702           | 0.8          | 97             | 4,429          | 48.5             | 46,480           | 0.8            | 45          |
| 85 and older                | 153,243                | 8,738,411              | 2,801          | 35.0                        | 28,883           | 0.7          | 71             | 3,681          | 46.0             | 36,464           | 0.7            | 41          |
| <b>Other Eligibles</b>      | 13,825,821             | 806,516,622            | 206,684        | 35.9                        | 2,208,406        | 0.7          | 81             | 303,943        | 52.7             | 3,201,775        | 0.8            | 47          |
| 64 or younger               | 8,383                  | 505,161                | 119            | 50.2                        | 1,277            | 1.0          | 118            | 146            | 61.6             | 1,590            | 0.9            | 53          |
| 65-74                       | 1,924,814              | 120,334,883            | 27,551         | 51.9                        | 302,763          | 0.9          | 108            | 35,724         | 67.3             | 385,596          | 0.8            | 51          |
| 75-84                       | 5,291,602              | 313,824,591            | 78,443         | 41.5                        | 845,569          | 0.8          | 86             | 111,061        | 58.7             | 1,175,632        | 0.8            | 48          |
| 85 and older                | 6,601,022              | 371,851,987            | 100,571        | 30.1                        | 1,058,797        | 0.7          | 68             | 157,012        | 47.0             | 1,638,957        | 0.8            | 45          |
| <b>Male</b>                 | 5,856,238              | 369,248,980            | 100,069        | 44.5                        | 1,056,338        | 0.8          | 104            | 111,451        | 49.5             | 1,151,531        | 0.8            | 48          |
| <b>Disabled</b>             | 1,599,696              | 117,931,892            | 28,590         | 59.7                        | 319,455          | 1.0          | 147            | 24,540         | 51.2             | 268,255          | 0.8            | 54          |
| 64 or younger               | 1,250,969              | 95,482,272             | 21,632         | 63.5                        | 245,155          | 1.1          | 159            | 18,586         | 54.6             | 207,150          | 0.9            | 55          |
| 65-74                       | 206,522                | 13,908,861             | 3,920          | 54.3                        | 43,724           | 0.9          | 123            | 3,094          | 42.9             | 33,354           | 0.8            | 50          |
| 75-84                       | 99,704                 | 6,147,621              | 2,073          | 48.7                        | 21,392           | 0.8          | 95             | 1,856          | 43.6             | 18,313           | 0.8            | 45          |
| 85 and older                | 42,501                 | 2,393,138              | 965            | 40.7                        | 9,184            | 0.7          | 71             | 1,004          | 42.3             | 9,438            | 0.8            | 40          |
| <b>Other Eligibles</b>      | 4,256,504              | 251,314,383            | 71,478         | 40.3                        | 736,871          | 0.8          | 86             | 86,911         | 49.1             | 883,276          | 0.8            | 47          |
| 64 or younger               | 6,063                  | 376,914                | 87             | 39.9                        | 932              | 0.8          | 118            | 126            | 57.8             | 1,296            | 0.8            | 49          |
| 65-74                       | 1,208,126              | 75,535,876             | 19,297         | 49.3                        | 207,748          | 0.8          | 105            | 21,591         | 55.2             | 228,721          | 0.8            | 50          |
| 75-84                       | 1,837,919              | 107,518,512            | 30,881         | 41.5                        | 318,156          | 0.8          | 84             | 37,771         | 50.8             | 384,513          | 0.8            | 46          |
| 85 and older                | 1,204,396              | 67,883,081             | 21,213         | 33.4                        | 210,035          | 0.7          | 69             | 27,423         | 43.2             | 268,746          | 0.8            | 44          |
| <b>Unknown</b>              | 68                     | 3,136                  | 1              | 25.0                        | 12               | 0.2          | 24             | 1              | 25.0             | 12               | 0.8            | 5           |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.10A includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 434,073 beneficiaries who were in nursing facilities for part of their enrollment and their 4,001,474 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

d. The top 10 drug groups were determined based on total 2001 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10B  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY  
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | ULCER DRUGS    |                             |                  |                |                |                | ANTICONVULSANT |                             |                |                |                |                | ANTIDIABETIC     |                             |                |                |                |                |
|-----------------------------|----------------|-----------------------------|------------------|----------------|----------------|----------------|----------------|-----------------------------|----------------|----------------|----------------|----------------|------------------|-----------------------------|----------------|----------------|----------------|----------------|
|                             | Users as %     |                             |                  | Users as %     |                |                | Users as %     |                             |                | Users as %     |                |                | Users as %       |                             |                | Users as %     |                |                |
|                             | No. of Users   | No. of Bene Mos among Users | Mean No. of Rx   | Mean No. of Rx | Mean No. of Rx | Mean No. of Rx | No. of Users   | No. of Bene Mos among Users | Mean No. of Rx | Mean No. of Rx | Mean No. of Rx | Mean No. of Rx | No. of Users     | No. of Bene Mos among Users | Mean No. of Rx | Mean No. of Rx | Mean No. of Rx | Mean No. of Rx |
| <b>All</b>                  | <b>349,361</b> | <b>40.8 %</b>               | <b>3,672,237</b> | <b>0.7</b>     | <b>\$52</b>    | <b>205,173</b> | <b>24.0 %</b>  | <b>2,214,954</b>            | <b>1.0</b>     | <b>\$47</b>    | <b>243,112</b> | <b>28.4 %</b>  | <b>2,554,601</b> | <b>0.8</b>                  | <b>\$32</b>    |                |                |                |
| <b>Female</b>               | 257,434        | 40.8                        | 2,723,047        | 0.7            | 52             | 133,952        | 21.3           | 1,448,780                   | 0.9            | 43             | 176,070        | 27.9           | 1,864,864        | 0.8                         | 32             |                |                |                |
| <b>Disabled</b>             | 23,806         | 44.1                        | 260,060          | 0.7            | 53             | 25,256         | 46.8           | 285,253                     | 1.1            | 62             | 18,493         | 34.2           | 202,054          | 0.9                         | 37             |                |                |                |
| 64 or younger               | 12,339         | 44.8                        | 138,314          | 0.7            | 56             | 17,753         | 64.4           | 202,439                     | 1.1            | 68             | 9,207          | 33.4           | 102,495          | 0.9                         | 40             |                |                |                |
| 65-74                       | 4,124          | 44.3                        | 45,616           | 0.7            | 52             | 3,887          | 41.8           | 43,922                      | 1.0            | 52             | 4,059          | 43.6           | 45,397           | 0.9                         | 37             |                |                |                |
| 75-84                       | 4,073          | 44.6                        | 43,339           | 0.7            | 49             | 2,457          | 26.9           | 27,097                      | 0.9            | 40             | 3,423          | 37.5           | 36,160           | 0.8                         | 32             |                |                |                |
| 85 and older                | 3,270          | 40.9                        | 32,791           | 0.7            | 46             | 1,159          | 14.5           | 11,795                      | 0.8            | 33             | 1,804          | 22.6           | 18,002           | 0.8                         | 27             |                |                |                |
| <b>Other Eligibles</b>      | 233,627        | 40.5                        | 2,462,975        | 0.7            | 52             | 108,696        | 18.9           | 1,163,527                   | 0.9            | 39             | 157,576        | 27.3           | 1,662,807        | 0.8                         | 31             |                |                |                |
| 64 or younger               | 96             | 40.5                        | 1,014            | 0.8            | 49             | 132            | 55.7           | 1,469                       | 1.0            | 52             | 112            | 47.3           | 1,212            | 0.8                         | 28             |                |                |                |
| 65-74                       | 24,850         | 46.8                        | 269,018          | 0.7            | 54             | 21,956         | 41.3           | 241,536                     | 1.0            | 50             | 26,383         | 49.7           | 284,242          | 0.9                         | 37             |                |                |                |
| 75-84                       | 80,955         | 42.8                        | 860,941          | 0.7            | 53             | 45,504         | 24.1           | 489,394                     | 0.9            | 40             | 67,272         | 35.6           | 713,691          | 0.8                         | 32             |                |                |                |
| 85 and older                | 127,726        | 38.3                        | 1,332,002        | 0.7            | 51             | 41,104         | 12.3           | 431,128                     | 0.8            | 32             | 63,809         | 19.1           | 663,662          | 0.8                         | 28             |                |                |                |
| <b>Male</b>                 | 91,927         | 40.8                        | 949,190          | 0.7            | 53             | 71,221         | 31.6           | 766,174                     | 1.0            | 53             | 67,042         | 29.8           | 689,737          | 0.8                         | 33             |                |                |                |
| <b>Disabled</b>             | 20,208         | 42.2                        | 220,525          | 0.7            | 55             | 27,137         | 56.7           | 305,107                     | 1.1            | 68             | 13,941         | 29.1           | 150,167          | 0.9                         | 36             |                |                |                |
| 64 or younger               | 14,710         | 43.2                        | 163,477          | 0.7            | 57             | 22,370         | 65.7           | 253,583                     | 1.1            | 72             | 9,599          | 28.2           | 105,534          | 0.9                         | 38             |                |                |                |
| 65-74                       | 2,862          | 39.7                        | 30,904           | 0.7            | 53             | 3,134          | 43.4           | 34,731                      | 1.0            | 51             | 2,350          | 32.6           | 25,560           | 0.8                         | 34             |                |                |                |
| 75-84                       | 1,717          | 40.3                        | 17,413           | 0.7            | 49             | 1,225          | 28.8           | 12,786                      | 0.9            | 41             | 1,423          | 33.4           | 13,851           | 0.8                         | 30             |                |                |                |
| 85 and older                | 919            | 38.7                        | 8,731            | 0.7            | 43             | 408            | 17.2           | 4,007                       | 0.8            | 34             | 569            | 24.0           | 5,222            | 0.8                         | 28             |                |                |                |
| <b>Other Eligibles</b>      | 71,719         | 40.5                        | 728,665          | 0.7            | 53             | 44,084         | 24.9           | 461,067                     | 0.9            | 43             | 53,101         | 30.0           | 539,570          | 0.8                         | 32             |                |                |                |
| 64 or younger               | 81             | 37.2                        | 882              | 0.8            | 53             | 95             | 43.6           | 1,007                       | 1.1            | 64             | 72             | 33.0           | 751              | 0.8                         | 28             |                |                |                |
| 65-74                       | 17,099         | 43.7                        | 180,454          | 0.7            | 54             | 15,771         | 40.3           | 170,516                     | 1.0            | 51             | 15,289         | 39.1           | 161,071          | 0.8                         | 35             |                |                |                |
| 75-84                       | 30,279         | 40.7                        | 308,179          | 0.7            | 53             | 18,766         | 25.2           | 195,246                     | 0.9            | 41             | 24,205         | 32.6           | 244,965          | 0.8                         | 31             |                |                |                |
| 85 and older                | 24,260         | 38.2                        | 239,150          | 0.7            | 51             | 9,452          | 14.9           | 94,298                      | 0.9            | 35             | 13,535         | 21.3           | 132,783          | 0.8                         | 28             |                |                |                |
| <b>Unknown</b>              | 1              | 25.0                        | 12               | 0.8            | 13             | 0              | 0.0            | 0                           | 0.0            | 0              | 1              | 25.0           | 3                | 1.0                         | 11             |                |                |                |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.10B includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 434,073 beneficiaries who were in nursing facilities for part of their enrollment and their 4,001,474 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

d. The top 10 drug groups were determined based on total 2001 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10C  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY  
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | ANTIHYPERTENSIVE |                                |                                   |                      |               | ANALGESICS - ANTI-INFLAMMATORY |                                |                                   |                      |               | MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL |                                |                                   |                      |               |
|-----------------------------|------------------|--------------------------------|-----------------------------------|----------------------|---------------|--------------------------------|--------------------------------|-----------------------------------|----------------------|---------------|---|--------------------------------|-----------------------------------|----------------------|---------------|
|                             | Users as %       |                                |                                   |                      |               | Users as %                     |                                |                                   |                      |               | Users as %                              |                                |                                   |                      |               |
|                             | No. of Users     | No. of Bene<br>NF<br>Residents | No. of Bene<br>Mos among<br>Users | Mean<br>No. of<br>Rx | Mean<br>Rx \$ | No. of Users                   | No. of Bene<br>NF<br>Residents | No. of Bene<br>Mos among<br>Users | Mean<br>No. of<br>Rx | Mean<br>Rx \$ | No. of Users                            | No. of Bene<br>NF<br>Residents | No. of Bene<br>Mos among<br>Users | Mean<br>No. of<br>Rx | Mean<br>Rx \$ |
| <b>All</b>                  | <b>289,458</b>   | <b>33.8 %</b>                  | <b>3,008,377</b>                  | <b>0.8</b>           | <b>\$27</b>   | <b>188,008</b>                 | <b>22.0 %</b>                  | <b>2,024,679</b>                  | <b>0.6</b>           | <b>\$38</b>   | <b>84,049</b>                           | <b>9.8 %</b>                   | <b>869,033</b>                    | <b>0.8</b>           | <b>\$88</b>   |
| <b>Female</b>               | 209,039          | 33.2                           | 2,180,846                         | 0.8                  | 27            | 146,506                        | 23.2                           | 1,583,468                         | 0.6                  | 39            | 63,323                                  | 10.0                           | 662,165                           | 0.8                  | 88            |
| <b>Disabled</b>             | 16,959           | 31.4                           | 182,800                           | 0.8                  | 27            | 13,546                         | 25.1                           | 152,334                           | 0.6                  | 33            | 3,438                                   | 6.4                            | 36,162                            | 0.7                  | 96            |
| 64 or younger               | 7,430            | 27.0                           | 82,749                            | 0.8                  | 28            | 7,225                          | 26.2                           | 83,051                            | 0.6                  | 30            | 1,214                                   | 4.4                            | 13,534                            | 0.6                  | 123           |
| 65-74                       | 3,483            | 37.4                           | 38,544                            | 0.8                  | 28            | 2,451                          | 26.3                           | 28,097                            | 0.6                  | 34            | 565                                     | 6.1                            | 6,262                             | 0.7                  | 77            |
| 75-84                       | 3,407            | 37.3                           | 35,638                            | 0.8                  | 26            | 2,135                          | 23.4                           | 23,442                            | 0.6                  | 39            | 856                                     | 9.4                            | 8,668                             | 0.7                  | 84            |
| 85 and older                | 2,639            | 33.0                           | 25,869                            | 0.8                  | 25            | 1,735                          | 21.7                           | 17,744                            | 0.6                  | 37            | 803                                     | 10.0                           | 7,698                             | 0.7                  | 81            |
| <b>Other Eligibles</b>      | 192,079          | 33.3                           | 1,998,043                         | 0.8                  | 27            | 132,959                        | 23.1                           | 1,431,131                         | 0.6                  | 40            | 59,885                                  | 10.4                           | 626,003                           | 0.8                  | 87            |
| 64 or younger               | 81               | 34.2                           | 866                               | 0.8                  | 25            | 62                             | 26.2                           | 707                               | 0.5                  | 26            | 13                                      | 5.5                            | 156                               | 0.8                  | 82            |
| 65-74                       | 21,564           | 40.6                           | 231,056                           | 0.8                  | 28            | 14,250                         | 26.8                           | 157,988                           | 0.6                  | 40            | 5,089                                   | 9.6                            | 53,497                            | 0.8                  | 88            |
| 75-84                       | 68,955           | 36.5                           | 724,544                           | 0.8                  | 27            | 47,194                         | 25.0                           | 511,661                           | 0.6                  | 41            | 23,838                                  | 12.6                           | 248,281                           | 0.8                  | 89            |
| 85 and older                | 101,479          | 30.4                           | 1,041,577                         | 0.8                  | 26            | 71,453                         | 21.4                           | 760,775                           | 0.6                  | 39            | 30,945                                  | 9.3                            | 324,069                           | 0.8                  | 86            |
| <b>Male</b>                 | 80,419           | 35.7                           | 827,531                           | 0.8                  | 27            | 41,502                         | 18.4                           | 441,211                           | 0.6                  | 34            | 20,726                                  | 9.2                            | 206,868                           | 0.8                  | 86            |
| <b>Disabled</b>             | 15,770           | 32.9                           | 170,875                           | 0.8                  | 29            | 8,693                          | 18.2                           | 97,049                            | 0.5                  | 29            | 2,534                                   | 5.3                            | 26,199                            | 0.7                  | 89            |
| 64 or younger               | 10,752           | 31.6                           | 118,952                           | 0.8                  | 30            | 6,404                          | 18.8                           | 72,447                            | 0.5                  | 28            | 1,284                                   | 3.8                            | 14,077                            | 0.6                  | 99            |
| 65-74                       | 2,689            | 37.3                           | 29,224                            | 0.8                  | 27            | 1,223                          | 16.9                           | 13,696                            | 0.5                  | 30            | 469                                     | 6.5                            | 5,052                             | 0.7                  | 73            |
| 75-84                       | 1,584            | 37.2                           | 15,923                            | 0.8                  | 27            | 664                            | 15.6                           | 6,971                             | 0.6                  | 33            | 487                                     | 11.4                           | 4,599                             | 0.7                  | 79            |
| 85 and older                | 745              | 31.4                           | 6,776                             | 0.8                  | 26            | 402                            | 16.9                           | 3,935                             | 0.6                  | 34            | 294                                     | 12.4                           | 2,471                             | 0.7                  | 81            |
| <b>Other Eligibles</b>      | 64,648           | 36.5                           | 656,644                           | 0.8                  | 27            | 32,808                         | 18.5                           | 344,150                           | 0.6                  | 36            | 18,192                                  | 10.3                           | 180,669                           | 0.8                  | 86            |
| 64 or younger               | 83               | 38.1                           | 830                               | 0.9                  | 29            | 32                             | 14.7                           | 365                               | 0.6                  | 26            | 9                                       | 4.1                            | 99                                | 0.7                  | 87            |
| 65-74                       | 16,307           | 41.7                           | 172,400                           | 0.8                  | 28            | 7,507                          | 19.2                           | 81,624                            | 0.6                  | 36            | 3,162                                   | 8.1                            | 32,594                            | 0.8                  | 84            |
| 75-84                       | 28,097           | 37.8                           | 286,097                           | 0.8                  | 27            | 13,565                         | 18.2                           | 142,943                           | 0.6                  | 36            | 8,473                                   | 11.4                           | 83,852                            | 0.8                  | 86            |
| 85 and older                | 20,161           | 31.8                           | 197,317                           | 0.8                  | 25            | 11,704                         | 18.4                           | 119,218                           | 0.6                  | 36            | 6,548                                   | 10.3                           | 64,124                            | 0.8                  | 87            |
| <b>Unknown</b>              | 2                | 50.0                           | 15                                | 0.9                  | 66            | 2                              | 50.0                           | 15                                | 0.3                  | 20            | 0                                       | 0.0                            | 0                                 | 0.0                  | 0             |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

- a. Table D.10C includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 434,073 beneficiaries who were in nursing facilities for part of their enrollment and their 4,001,474 benefit months were excluded from the analysis.
- b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- d. The top 10 drug groups were determined based on total 2001 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- Benefit Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10D  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS  
 SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics | ANALGESICS - Narcotic |               |                             |            | ANTI-ASTHMATIC |                |                             |                  | Mean Rx \$ | Mean No. of Rx | All-Year NF Residents | Bene Mos among All-Year NF Residents |
|-----------------------------|-----------------------|---------------|-----------------------------|------------|----------------|----------------|-----------------------------|------------------|------------|----------------|-----------------------|--------------------------------------|
|                             | Users as %            |               | No. of Bene Mos among Users |            | Users as %     |                | No. of Bene Mos among Users |                  |            |                |                       |                                      |
|                             | No. of Users          | Residents     | No. of Users                | Residents  | No. of Users   | Residents      | No. of Users                | Residents        |            |                |                       |                                      |
| <b>All</b>                  | <b>334,947</b>        | <b>39.2 %</b> | <b>3,425,824</b>            | <b>0.6</b> | <b>\$22</b>    | <b>278,513</b> | <b>32.6 %</b>               | <b>2,904,274</b> | <b>0.5</b> | <b>\$21</b>    | <b>855,393</b>        | <b>8,629,942</b>                     |
| <b>Female</b>               | 258,907               | 41.1          | 2,668,466                   | 0.6        | 22             | 194,516        | 30.9                        | 2,048,960        | 0.5        | 20             | 630,338               | 6,413,542                            |
| <b>Disabled</b>             | 22,466                | 41.6          | 241,614                     | 0.7        | 27             | 17,899         | 33.1                        | 193,555          | 0.6        | 24             | 54,010                | 578,075                              |
| 64 or younger               | 12,561                | 45.6          | 139,157                     | 0.7        | 30             | 9,156          | 33.2                        | 101,761          | 0.6        | 26             | 27,567                | 305,796                              |
| 65-74                       | 3,553                 | 38.2          | 38,249                      | 0.7        | 25             | 3,327          | 35.7                        | 36,233           | 0.6        | 25             | 9,310                 | 102,161                              |
| 75-84                       | 3,437                 | 37.6          | 35,663                      | 0.6        | 22             | 2,924          | 32.0                        | 30,471           | 0.5        | 20             | 9,135                 | 94,294                               |
| 85 and older                | 2,915                 | 36.4          | 28,545                      | 0.5        | 18             | 2,492          | 31.2                        | 25,090           | 0.4        | 15             | 7,998                 | 75,824                               |
| <b>Other Eligibles</b>      | 236,440               | 41.0          | 2,426,849                   | 0.6        | 22             | 176,617        | 30.6                        | 1,855,405        | 0.5        | 20             | 576,328               | 5,835,467                            |
| 64 or younger               | 115                   | 48.5          | 1,211                       | 0.6        | 25             | 78             | 32.9                        | 847              | 0.8        | 31             | 237                   | 2,508                                |
| 65-74                       | 26,135                | 49.2          | 278,086                     | 0.7        | 27             | 21,297         | 40.1                        | 228,969          | 0.6        | 26             | 53,121                | 555,737                              |
| 75-84                       | 80,971                | 42.8          | 842,381                     | 0.6        | 23             | 63,157         | 33.4                        | 666,410          | 0.5        | 22             | 189,067               | 1,934,883                            |
| 85 and older                | 129,219               | 38.7          | 1,305,171                   | 0.5        | 20             | 92,085         | 27.6                        | 959,179          | 0.4        | 17             | 333,903               | 3,342,339                            |
| <b>Male</b>                 | 76,040                | 33.8          | 757,358                     | 0.5        | 19             | 83,997         | 37.3                        | 855,314          | 0.6        | 24             | 225,051               | 2,216,371                            |
| <b>Disabled</b>             | 15,768                | 32.9          | 167,772                     | 0.6        | 25             | 15,263         | 31.9                        | 163,542          | 0.6        | 25             | 47,889                | 511,000                              |
| 64 or younger               | 11,880                | 34.9          | 129,333                     | 0.7        | 27             | 10,496         | 30.8                        | 115,103          | 0.6        | 27             | 34,040                | 372,795                              |
| 65-74                       | 1,954                 | 27.1          | 20,311                      | 0.6        | 20             | 2,424          | 33.6                        | 25,651           | 0.6        | 24             | 7,218                 | 77,188                               |
| 75-84                       | 1,210                 | 28.4          | 11,567                      | 0.5        | 16             | 1,464          | 34.4                        | 14,770           | 0.5        | 20             | 4,259                 | 40,631                               |
| 85 and older                | 724                   | 30.5          | 6,561                       | 0.5        | 12             | 879            | 37.1                        | 8,018            | 0.4        | 15             | 2,372                 | 20,386                               |
| <b>Other Eligibles</b>      | 60,272                | 34.0          | 589,586                     | 0.5        | 18             | 68,732         | 38.8                        | 691,748          | 0.6        | 23             | 177,162               | 1,705,371                            |
| 64 or younger               | 81                    | 37.2          | 820                         | 0.6        | 24             | 50             | 22.9                        | 529              | 0.5        | 19             | 218                   | 2,254                                |
| 65-74                       | 14,109                | 36.0          | 145,423                     | 0.6        | 21             | 15,995         | 40.9                        | 166,399          | 0.6        | 27             | 39,144                | 397,346                              |
| 75-84                       | 24,870                | 33.4          | 243,874                     | 0.5        | 18             | 29,316         | 39.4                        | 295,505          | 0.6        | 24             | 74,351                | 717,547                              |
| 85 and older                | 21,212                | 33.4          | 199,469                     | 0.5        | 14             | 23,371         | 36.8                        | 229,315          | 0.5        | 20             | 63,449                | 588,224                              |
| <b>Unknown</b>              | 1                     | 25.0          | 3                           | 0.7        | 5              | 2              | 50.0                        | 24               | 1.0        | 54             | 4                     | 29                                   |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.10D includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 434,073 beneficiaries who were in nursing facilities for part of their enrollment and their 4,001,474 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.

d. The top 10 drug groups were determined based on total 2001 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.11  
 USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG DUALS  
 BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 UNITED STATES, 2001

| Beneficiary Characteristics                  | No. of Benes with at Least One Part D Excl Rx |               | % Benes with at Least One Part D Excl Rx |                   | No. of Part D Excl Rx per Bene |                      | Total Part D Excl Rx \$ |              | \$ per Part D Excl Rx |         | % of All Rx \$ |  | Total No. of Benes |
|--|---|---------------|--|-------------------|--------------------------------|----------------------|-------------------------|--------------|-----------------------|---------|----------------|--|--------------------|
|  | D Excl Rx                                     | Excl Rx       | Excl Rx                                  | %                 | Excl Rx                        | Bene                 | Excl Rx \$              | Excl Rx \$   | Excl Rx               | Excl Rx | %              |  |                    |
| <b>All</b>                                   | <b>3,015,280</b>                              | <b>53.0 %</b> | <b>5.0</b>                               | <b>28,198,351</b> | <b>\$79</b>                    | <b>\$452,292,607</b> | <b>\$16</b>             | <b>3.6 %</b> | <b>5,693,212</b>      |         |                |  |                    |
| <b>Age</b>                                   |   |               |  |                   |                                |                      |                         |              |                       |         |                |  |                    |
| 5 and younger                                | 226   | 69.3          | 9.3                                      | 3,031             | 329                            | 107,169              | 35                      | 9.1          | 326                   |         |                |  |                    |
| 6-14   | 618   | 68.1          | 8.3                                      | 7,515             | 238                            | 216,049              | 29                      | 3.7          | 908                   |         |                |  |                    |
| 15-20  | 3,308   | 37.4          | 2.4                                      | 21,282            | 76                             | 674,739              | 32                      | 3.7          | 8,846                 |         |                |  |                    |
| 21-44  | 373,786                                       | 43.3          | 3.5                                      | 2,999,319         | 90                             | 77,602,035           | 26                      | 3.4          | 862,270               |         |                |  |                    |
| 45-64  | 593,853                                       | 54.1          | 5.2                                      | 5,695,773         | 105                            | 115,296,942          | 20                      | 3.6          | 1,097,439             |         |                |  |                    |
| 65-74  | 742,113                                       | 52.0          | 4.4                                      | 6,236,534         | 66                             | 93,573,400           | 15                      | 3.3          | 1,428,350             |         |                |  |                    |
| 75-84  | 741,199                                       | 55.7          | 5.3                                      | 7,106,659         | 70                             | 92,915,996           | 13                      | 3.6          | 1,331,614             |         |                |  |                    |
| 85 and older                                 | 560,171                                       | 58.1          | 6.4                                      | 6,128,195         | 75                             | 71,905,613           | 12                      | 4.4          | 963,440               |         |                |  |                    |
| Unknown                                      | 6   | 31.6          | 2.3                                      | 43                | 35                             | 664                  | 15                      | 3.8          | 19                    |         |                |  |                    |
| <b>Basis of Eligibility<sup>c</sup></b>      |   |               |  |                   |                                |                      |                         |              |                       |         |                |  |                    |
| Aged   | 1,725,007                                     | 54.1          | 5.2                                      | 16,702,377        | 68                             | 216,580,104          | 13                      | 3.7          | 3,189,966             |         |                |  |                    |
| Disabled                                     | 1,271,151                                     | 51.9          | 4.6                                      | 11,384,099        | 95                             | 232,841,080          | 20                      | 3.5          | 2,451,003             |         |                |  |                    |
| Adults                                       | 18,751  | 36.6          | 2.1                                      | 108,228           | 54                             | 2,764,570            | 26                      | 3.6          | 51,229                |         |                |  |                    |
| Children                                     | 348   | 36.4          | 3.7                                      | 3,494             | 110                            | 104,942              | 30                      | 3.7          | 957                   |         |                |  |                    |
| Unknown                                      | 23  | 40.4          | 2.7                                      | 153               | 34                             | 1,911                | 12                      | 3.2          | 57                    |         |                |  |                    |
| <b>Gender</b>                                |   |               |  |                   |                                |                      |                         |              |                       |         |                |  |                    |
| Female                                       | 2,076,813                                     | 56.6          | 5.4                                      | 19,970,275        | 82                             | 299,757,516          | 15                      | 3.7          | 3,666,352             |         |                |  |                    |
| Male   | 938,461                                       | 46.3          | 4.1                                      | 8,228,066         | 75                             | 152,532,597          | 19                      | 3.4          | 2,026,843             |         |                |  |                    |
| Unknown                                      | 6   | 35.3          | 1.2                                      | 20                | 147                            | 2,494                | 125                     | 10.2         | 17                    |         |                |  |                    |
| <b>Race</b>                                  |   |               |  |                   |                                |                      |                         |              |                       |         |                |  |                    |
| White  | 1,833,020                                     | 54.4          | 5.8                                      | 19,430,976        | 89                             | 298,847,752          | 15                      | 3.7          | 3,367,318             |         |                |  |                    |
| African American                             | 496,757                                       | 48.5          | 3.9                                      | 3,969,813         | 68                             | 69,186,651           | 17                      | 3.5          | 1,024,552             |         |                |  |                    |
| Other/unknown                                | 685,503                                       | 52.7          | 3.7                                      | 4,797,562         | 65                             | 84,258,204           | 18                      | 3.5          | 1,301,342             |         |                |  |                    |
| <b>Use of Nursing Facilities<sup>d</sup></b> |   |               |  |                   |                                |                      |                         |              |                       |         |                |  |                    |
| Entire year                                  | 535,444                                       | 62.6          | 9.2                                      | 7,858,418         | 105                            | 89,728,100           | 11                      | 4.2          | 855,393               |         |                |  |                    |
| Part year                                    | 290,291                                       | 66.9          | 6.8                                      | 2,949,741         | 88                             | 38,148,154           | 13                      | 4.0          | 434,073               |         |                |  |                    |
| None   | 2,189,545                                     | 49.7          | 3.9                                      | 17,390,192        | 74                             | 324,416,353          | 19                      | 3.4          | 4,403,746             |         |                |  |                    |
| <b>Maintenance Assistance Status</b>         |   |               |  |                   |                                |                      |                         |              |                       |         |                |  |                    |
| Cash   | 1,531,214                                     | 52.4          | 4.1                                      | 12,042,393        | 73                             | 213,701,367          | 18                      | 3.4          | 2,920,356             |         |                |  |                    |
| Medically needy                              | 359,066                                       | 46.3          | 4.9                                      | 3,832,643         | 70                             | 54,038,766           | 14                      | 3.7          | 775,344               |         |                |  |                    |
| Poverty related                              | 273,065                                       | 44.1          | 3.1                                      | 1,888,386         | 71                             | 43,768,466           | 23                      | 3.5          | 618,633               |         |                |  |                    |
| Other/unknown                                | 851,935                                       | 61.8          | 7.6                                      | 10,434,929        | 102                            | 140,784,008          | 13                      | 4.0          | 1,378,879             |         |                |  |                    |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

Table D11

Dual Eligible Beneficiaries

a. Table D.11 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2001.

b. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.

c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care or adoptive services.

d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.

Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.12  
 USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG DUALS PER BENEFIT MONTH  
 BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 UNITED STATES, 2001

| Beneficiary Characteristics                  | No. Rx per Bene Mo. | Rx \$ per Bene Mo. | \$ per Rx | Barbiturate \$ per Bene Mo. | Benzodiazapine \$ per Bene Mo. | No. of Bene Mos |
|--|---------------------|--------------------|-----------|-----------------------------|--------------------------------|-----------------|
| All  | 0.5                 | \$8                | \$16      | \$0                         | \$2                            | 59,578,655      |
| <b>Age</b>                                   |                     |                    |           |                             |                                |                 |
| 5 and younger                                | 1.0                 | 34                 | 35        | 0                           | 3                              | 3,187           |
| 6-14   | 0.8                 | 23                 | 29        | 0                           | 0                              | 9,581           |
| 15-20  | 0.2                 | 7                  | 32        | 0                           | 1                              | 91,288          |
| 21-44  | 0.3                 | 8                  | 26        | 0                           | 3                              | 9,199,049       |
| 45-64  | 0.5                 | 10                 | 20        | 0                           | 3                              | 11,668,132      |
| 65-74  | 0.4                 | 6                  | 15        | 0                           | 2                              | 15,182,480      |
| 75-84  | 0.5                 | 7                  | 13        | 0                           | 2                              | 13,956,185      |
| 85 and older                                 | 0.6                 | 8                  | 12        | 0                           | 1                              | 9,468,620       |
| Unknown                                      | 0.3                 | 5                  | 15        | 0                           | 1                              | 133             |
| <b>Basis of Eligibility<sup>c</sup></b>      |                     |                    |           |                             |                                |                 |
| Aged   | 0.5                 | 7                  | 13        | 0                           | 1                              | 32,729,179      |
| Disabled                                     | 0.4                 | 9                  | 20        | 0                           | 3                              | 26,448,151      |
| Adults                                       | 0.3                 | 7                  | 26        | 0                           | 2                              | 393,324         |
| Children                                     | 0.5                 | 14                 | 30        | 0                           | 1                              | 7,754           |
| Unknown                                      | 0.6                 | 8                  | 12        | 0                           | 4                              | 247             |
| <b>Gender</b>                                |                     |                    |           |                             |                                |                 |
| Female                                       | 0.5                 | 8                  | 15        | 0                           | 2                              | 38,634,607      |
| Male   | 0.4                 | 7                  | 19        | 0                           | 2                              | 20,943,896      |
| Unknown                                      | 0.1                 | 16                 | 125       | 0                           | 15                             | 152             |
| <b>Race</b>                                  |                     |                    |           |                             |                                |                 |
| White  | 0.6                 | 9                  | 15        | 0                           | 3                              | 34,671,129      |
| African American                             | 0.4                 | 6                  | 17        | 0                           | 1                              | 10,879,264      |
| Other/unknown                                | 0.3                 | 6                  | 18        | 0                           | 1                              | 14,028,262      |
| <b>Use of Nursing Facilities<sup>d</sup></b> |                     |                    |           |                             |                                |                 |
| Entire year                                  | 0.9                 | 10                 | 11        | 0                           | 2                              | 8,629,942       |
| Part year                                    | 0.7                 | 10                 | 13        | 0                           | 2                              | 4,001,474       |
| None   | 0.4                 | 7                  | 19        | 0                           | 2                              | 46,947,239      |
| <b>Maintenance Assistance Status</b>         |                     |                    |           |                             |                                |                 |
| Cash   | 0.4                 | 7                  | 18        | 0                           | 2                              | 32,490,570      |
| Medically needy                              | 0.5                 | 7                  | 14        | 0                           | 2                              | 7,332,121       |
| Poverty related                              | 0.3                 | 7                  | 23        | 0                           | 2                              | 6,315,836       |
| Other/unknown                                | 0.8                 | 10                 | 13        | 0                           | 3                              | 13,440,128      |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.12 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2001.

b. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.

c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.

d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.

Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.



TABLE D.13  
 USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS FOR SELECTED DRUG CATEGORIES AMONG DUALS<sup>a,b,c</sup>  
 UNITED STATES, 2001

| Drug Category                | No. Users        | Rx, \$ per User | Total Rx \$          | Rx \$ as % of All Part D Excl Rx \$ | Total No. Rx.     | \$ per Rx   | No. Rx as % of All Part D Excl Rx |
|------------------------------|------------------|-----------------|----------------------|-------------------------------------|-------------------|-------------|-----------------------------------|
| <b>All</b>                   | <b>4,461,524</b> | <b>\$101</b>    | <b>\$452,292,607</b> | <b>100.0 %</b>                      | <b>28,198,351</b> | <b>\$16</b> | <b>100.0 %</b>                    |
| Anorexia or weight loss/gain | 16,975           | 202             | 3,430,465            | 0.8                                 | 35,548            | 97          | 0.1                               |
| Fertility drugs              | 6,267            | 38              | 235,770              | 0.1                                 | 6,977             | 34          | 0.0                               |
| Drugs for cosmetic purposes  | 8,491            | 871             | 7,394,802            | 1.6                                 | 41,080            | 180         | 0.1                               |
| Cough and cold medications   | 689,930          | 73              | 50,522,479           | 11.2                                | 1,819,798         | 28          | 6.5                               |
| Vitamins and minerals        | 963,051          | 111             | 106,542,457          | 23.6                                | 5,901,201         | 18          | 20.9                              |
| Non-prescription drugs       | 1,554,282        | 69              | 106,677,846          | 23.6                                | 12,791,626        | 8           | 45.4                              |
| Barbiturates                 | 61,796           | 65              | 4,012,508            | 0.9                                 | 600,547           | 7           | 2.1                               |
| Benzodiazepines              | 1,032,680        | 123             | 127,017,012          | 28.1                                | 6,537,892         | 19          | 23.2                              |
| Other Part D Excl Rx Drugs   | 128,052          | 363             | 46,459,268           | 10.3                                | 463,682           | 100         | 1.6                               |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table D.13 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2001. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2001. A beneficiary who used drugs from two or more Part D excluded categories was counted as a user for each category. Therefore, the sum of users across drug categories may exceed the total number of individual users as noted on Table D11.

b. Includes OTC drugs as well as prescription drugs.

c. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.

Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

NATIONAL COMPARISON TABLE N.5  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, ALL STATES COMBINED AND BY STATE  
 DUAL ELIGIBLE BENEFICIARIES, 2001<sup>a,b,c</sup>

|                   | % of All Rx      |                   |                                |                       |                   |                                  |                       |               |                                 |                       | Among All-Year NF Residents <sup>e</sup> |  |
|-------------------|------------------|-------------------|--------------------------------|-----------------------|-------------------|----------------------------------|-----------------------|---------------|---------------------------------|-----------------------|--|--|
|                   | No. of Benes     | No. of Bene Mos   | % of Benes with One or More Rx | No. of Rx per Bene Mo | Rx \$ per Bene Mo | Patented Brand-Name <sup>d</sup> | Off-Patent Brand-Name | Generic       | Rx \$ as % of Total Medicaid \$ | No. of Rx per Bene Mo | \$ per Bene Mo                           |  |
| <b>All States</b> | <b>5,693,212</b> | <b>59,578,655</b> | <b>85.6 %</b>                  | <b>3.8</b>            | <b>\$211</b>      | <b>46.0 %</b>                    | <b>7.8 %</b>          | <b>45.8 %</b> | <b>16.7 %</b>                   | <b>5.6</b>            | <b>\$249</b>                             |  |
| Alabama           | 107,002          | 1,155,551         | 88.3                           | 4.0                   | 165               | 39.8                             | 7.6                   | 52.5          | 15.5                            | 6.1                   | 244                                      |  |
| Alaska            | 10,763           | 111,868           | 86.0                           | 4.9                   | 277               | 49.6                             | 11.4                  | 38.6          | 19.5                            | 6.9                   | 392                                      |  |
| Arizona           | 13,696           | 86,234            | 6.1                            | 0.1                   | 3                 | 39.1                             | 5.8                   | 54.8          | 0.7                             | 3.2                   | 99                                       |  |
| Arkansas          | 69,902           | 738,040           | 88.9                           | 3.3                   | 165               | 43.5                             | 9.2                   | 47.1          | 15.4                            | 5.8                   | 260                                      |  |
| California        | 827,646          | 8,917,553         | 82.3                           | 2.5                   | 182               | 46.0                             | 6.4                   | 47.1          | 23.3                            | 4.5                   | 214                                      |  |
| Colorado          | 51,558           | 512,268           | 82.3                           | 4.3                   | 227               | 43.8                             | 9.0                   | 47.1          | 14.6                            | 6.3                   | 273                                      |  |
| Connecticut       | 77,157           | 811,070           | 90.4                           | 4.5                   | 262               | 46.6                             | 8.4                   | 44.9          | 11.2                            | 5.7                   | 266                                      |  |
| Delaware          | 10,202           | 103,917           | 85.9                           | 4.3                   | 249               | 49.3                             | 7.5                   | 42.9          | 11.8                            | 5.4                   | 218                                      |  |
| D.C.              | 17,838           | 185,267           | 66.2                           | 2.7                   | 153               | 45.9                             | 6.9                   | 46.2          | 11.6                            | 1.0                   | 42                                       |  |
| Florida           | 347,701          | 3,581,314         | 83.9                           | 3.9                   | 222               | 45.3                             | 8.0                   | 46.3          | 24.1                            | 6.1                   | 261                                      |  |
| Georgia           | 157,335          | 1,641,556         | 90.6                           | 4.1                   | 195               | 45.5                             | 8.3                   | 46.0          | 21.8                            | 5.6                   | 264                                      |  |
| Hawaii            | 24,174           | 245,560           | 87.3                           | 2.9                   | 159               | 46.6                             | 6.6                   | 46.7          | 17.6                            | 3.6                   | 156                                      |  |
| Idaho             | 19,272           | 197,470           | 89.3                           | 5.1                   | 264               | 46.2                             | 7.3                   | 45.8          | 17.5                            | 6.9                   | 296                                      |  |
| Illinois          | 199,385          | 1,918,326         | 83.3                           | 4.3                   | 217               | 43.2                             | 9.1                   | 47.4          | 15.2                            | 6.2                   | 281                                      |  |
| Indiana           | 110,776          | 1,146,893         | 85.4                           | 5.1                   | 282               | 44.8                             | 7.8                   | 47.0          | 19.3                            | 7.6                   | 359                                      |  |
| Iowa              | 57,349           | 609,943           | 90.6                           | 4.6                   | 219               | 38.8                             | 9.9                   | 51.0          | 16.1                            | 6.0                   | 231                                      |  |
| Kansas            | 41,143           | 383,606           | 90.4                           | 5.4                   | 278               | 46.7                             | 8.9                   | 44.2          | 15.5                            | 7.9                   | 354                                      |  |
| Kentucky          | 99,450           | 1,034,499         | 89.5                           | 5.3                   | 256               | 44.8                             | 8.5                   | 46.3          | 22.6                            | 8.6                   | 341                                      |  |
| Louisiana         | 109,176          | 1,194,655         | 89.7                           | 4.5                   | 218               | 45.9                             | 7.8                   | 46.0          | 22.2                            | 7.2                   | 349                                      |  |
| Maine             | 44,915           | 489,431           | 92.4                           | 4.2                   | 216               | 45.4                             | 7.0                   | 47.2          | 17.7                            | 6.4                   | 259                                      |  |
| Maryland          | 70,325           | 718,185           | 83.3                           | 4.1                   | 214               | 46.7                             | 9.6                   | 43.5          | 13.3                            | 6.7                   | 281                                      |  |
| Massachusetts     | 198,801          | 2,157,027         | 88.7                           | 3.8                   | 209               | 45.5                             | 6.3                   | 47.6          | 14.6                            | 5.3                   | 213                                      |  |
| Michigan          | 197,469          | 2,048,559         | 88.3                           | 4.2                   | 204               | 45.2                             | 5.5                   | 49.2          | 24.6                            | 5.8                   | 213                                      |  |
| Minnesota         | 71,285           | 664,987           | 86.1                           | 3.8                   | 237               | 45.1                             | 9.0                   | 45.7          | 11.3                            | 6.2                   | 262                                      |  |
| Mississippi       | 139,751          | 1,511,175         | 91.6                           | 3.6                   | 207               | 48.6                             | 7.5                   | 43.4          | 29.8                            | 6.4                   | 325                                      |  |
| Missouri          | 147,362          | 1,520,738         | 90.7                           | 5.1                   | 267               | 44.3                             | 7.8                   | 47.5          | 23.2                            | 6.8                   | 290                                      |  |
| Montana           | 16,929           | 163,690           | 88.4                           | 4.6                   | 236               | 42.1                             | 8.8                   | 48.9          | 18.6                            | 6.0                   | 241                                      |  |
| Nebraska          | 34,945           | 361,023           | 91.2                           | 5.1                   | 256               | 45.6                             | 9.0                   | 45.3          | 18.3                            | 7.0                   | 282                                      |  |
| Nevada            | 17,933           | 181,969           | 82.3                           | 3.4                   | 184               | 46.6                             | 7.1                   | 46.0          | 18.6                            | 5.7                   | 227                                      |  |
| New Hampshire     | 19,648           | 196,599           | 90.9                           | 5.0                   | 272               | 44.0                             | 7.9                   | 47.8          | 13.5                            | 6.3                   | 261                                      |  |
| New Jersey        | 141,347          | 1,488,329         | 90.2                           | 4.5                   | 258               | 48.6                             | 8.1                   | 43.2          | 17.0                            | 6.2                   | 288                                      |  |
| New Mexico        | 32,057           | 339,404           | 79.8                           | 3.2                   | 153               | 42.6                             | 9.9                   | 47.4          | 11.3                            | 5.0                   | 224                                      |  |

Dual Eligible Beneficiaries

Table N.5

|                | % of All Rx  |                 |                                |                       |                   |                                  |                       |         |                                 |     | Among All-Year NF Residents <sup>e</sup> |                |
|----------------|--------------|-----------------|--------------------------------|-----------------------|-------------------|----------------------------------|-----------------------|---------|---------------------------------|-----|--|----------------|
|                | No. of Benes | No. of Bene Mos | % of Benes with One or More Rx | No. of Rx per Bene Mo | Rx \$ per Bene Mo | Patented Brand-Name <sup>d</sup> | Off-Patent Brand-Name | Generic | Rx \$ as % of Total Medicaid \$ |     | No. of Rx per Bene Mo                    | \$ per Bene Mo |
|                |              |                 |                                |                       |                   |                                  |                       |         | Mo                              | Mo  |  |                |
| New York       | 551,094      | 5,973,304       | 75.1                           | 3.0                   | 199               | 53.5                             | 8.6                   | 37.1    | 9.3                             | 0.7 | 64                                       |                |
| North Carolina | 221,891      | 2,439,419       | 91.7                           | 3.9                   | 217               | 48.1                             | 7.7                   | 43.8    | 23.9                            | 5.4 | 281                                      |                |
| North Dakota   | 14,441       | 146,934         | 78.9                           | 4.1                   | 195               | 43.3                             | 11.2                  | 45.1    | 11.8                            | 6.2 | 254                                      |                |
| Ohio           | 209,434      | 2,083,910       | 90.4                           | 5.5                   | 271               | 46.0                             | 7.2                   | 46.4    | 13.8                            | 7.2 | 299                                      |                |
| Oklahoma       | 82,774       | 860,180         | 88.2                           | 3.3                   | 170               | 42.4                             | 8.4                   | 49.1    | 16.1                            | 6.4 | 278                                      |                |
| Oregon         | 40,244       | 334,352         | 87.7                           | 5.2                   | 252               | 40.7                             | 5.8                   | 53.2    | 16.9                            | 6.5 | 272                                      |                |
| Pennsylvania   | 173,685      | 1,664,210       | 85.0                           | 5.2                   | 255               | 44.6                             | 9.6                   | 45.5    | 14.0                            | 7.1 | 292                                      |                |
| Rhode Island   | 26,109       | 285,163         | 89.5                           | 3.9                   | 214               | 47.2                             | 6.3                   | 46.3    | 12.9                            | 5.0 | 237                                      |                |
| South Carolina | 124,598      | 1,358,518       | 85.5                           | 2.2                   | 153               | 48.9                             | 7.2                   | 43.9    | 20.4                            | 0.8 | 53                                       |                |
| South Dakota   | 13,769       | 145,233         | 86.3                           | 4.3                   | 214               | 41.9                             | 11.6                  | 46.4    | 14.9                            | 6.3 | 269                                      |                |
| Tennessee      | 0            | 0               | 0.0                            | 0.0                   | 0                 | 0.0                              | 0.0                   | 0.0     | 0.0                             | 0.0 | 0  |                |
| Texas          | 339,392      | 3,611,587       | 88.8                           | 2.9                   | 171               | 48.2                             | 8.7                   | 43.0    | 15.5                            | 6.4 | 303                                      |                |
| Utah           | 11,959       | 94,923          | 82.7                           | 5.5                   | 286               | 46.8                             | 6.5                   | 46.6    | 15.6                            | 7.0 | 318                                      |                |
| Vermont        | 18,247       | 199,259         | 91.2                           | 4.3                   | 231               | 46.0                             | 8.8                   | 44.5    | 20.8                            | 6.1 | 253                                      |                |
| Virginia       | 106,328      | 1,111,806       | 87.8                           | 4.2                   | 223               | 44.1                             | 7.9                   | 46.9    | 20.2                            | 6.7 | 288                                      |                |
| Washington     | 103,511      | 1,068,044       | 88.6                           | 4.5                   | 230               | 44.8                             | 5.5                   | 49.5    | 28.9                            | 5.7 | 247                                      |                |
| West Virginia  | 46,283       | 482,668         | 90.7                           | 4.5                   | 203               | 41.3                             | 7.0                   | 51.5    | 17.3                            | 6.2 | 246                                      |                |
| Wisconsin      | 118,808      | 1,237,259       | 87.2                           | 4.5                   | 213               | 42.3                             | 9.0                   | 48.5    | 13.6                            | 6.3 | 245                                      |                |
| Wyoming        | 6,353        | 65,180          | 88.0                           | 4.4                   | 241               | 43.8                             | 10.9                  | 44.9    | 13.9                            | 6.6 | 295                                      |                |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Table N.5, except for the last two columns, includes beneficiaries represented by Cell G of Table 1 in the national table set and the table set for each state. The last two columns include beneficiaries represented by Cell H of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

b. Dual eligible beneficiaries included in this table are those who had Medicare benefits as well as Medicaid fee-for-service pharmacy benefit coverage during at least one month of their Medicaid enrollment in 2001. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.

c. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to states.

d. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. For information about this classification method, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

e. All-year nursing facility residents are beneficiaries who resided in nursing facilities throughout their Medicaid enrollment in 2001. Part-year residents were excluded from the analysis. See footnote f of Table 1 for more information about how we determined all-year nursing facility residents.

Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; D.C. = District of Columbia; MAX = Medicaid Analytic Extract; NF = nursing facility.

NATIONAL COMPARISON TABLE N.6  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT BY BASIS OF ELIGIBILITY, ALL STATES COMBINED AND BY STATE  
 DUAL ELIGIBLE BENEFICIARIES, 2001<sup>a,b,c,d</sup>

|               | Share of Bene Mos (percent) |      |          |          | Medicaid Rx \$ per Bene Mo (dollars) |      |          |          | Share of Total Medicaid Rx \$ (percent) |      |          |          |      |     |     |
|---------------|-----------------------------|------|----------|----------|--------------------------------------|------|----------|----------|---|------|----------|----------|------|-----|-----|
|               | All                         | Aged | Disabled | Children | All                                  | Aged | Disabled | Children | All                                     | Aged | Disabled | Children |      |     |     |
|               | 100                         | 54.9 | 44.4     | 0.7      | 0.0                                  | 211  | 179      | 250      | 197                                     | 362  | 100      | 46.6     | 52.7 | 0.6 | 0.0 |
| All States    | 100                         | 54.9 | 44.4     | 0.7      | 0.0                                  | 211  | 179      | 250      | 197                                     | 362  | 100      | 46.6     | 52.7 | 0.6 | 0.0 |
| Alabama       | 100                         | 42.9 | 56.5     | 0.6      | 0.0                                  | 165  | 157      | 173      | 73                                      | 110  | 100      | 40.6     | 59.1 | 0.3 | 0.0 |
| Alaska        | 100                         | 53.5 | 45.6     | 0.9      | 0.0                                  | 277  | 196      | 373      | 268                                     | 136  | 100      | 37.8     | 61.4 | 0.8 | 0.0 |
| Arizona       | 100                         | 42.8 | 55.0     | 2.2      | 0.0                                  | 3    | 2        | 4        | 1                                       | 6    | 100      | 32.9     | 66.4 | 0.6 | 0.0 |
| Arkansas      | 100                         | 48.9 | 50.4     | 0.7      | 0.0                                  | 165  | 174      | 158      | 81                                      | 0    | 100      | 51.5     | 48.2 | 0.3 | 0.0 |
| California    | 100                         | 56.3 | 43.2     | 0.4      | 0.0                                  | 182  | 136      | 242      | 196                                     | 336  | 100      | 42.0     | 57.5 | 0.5 | 0.0 |
| Colorado      | 100                         | 63.4 | 36.2     | 0.3      | 0.0                                  | 227  | 191      | 290      | 199                                     | 501  | 100      | 53.4     | 46.3 | 0.3 | 0.0 |
| Connecticut   | 100                         | 61.0 | 37.7     | 1.3      | 0.0                                  | 262  | 218      | 332      | 249                                     | 337  | 100      | 50.9     | 47.8 | 1.3 | 0.0 |
| Delaware      | 100                         | 56.0 | 41.1     | 2.8      | 0.0                                  | 249  | 204      | 314      | 205                                     | 2669 | 100      | 45.8     | 51.7 | 2.3 | 0.1 |
| D.C.          | 100                         | 46.3 | 52.0     | 1.7      | 0.0                                  | 153  | 94       | 207      | 143                                     | 354  | 100      | 28.3     | 70.1 | 1.5 | 0.1 |
| Florida       | 100                         | 52.1 | 47.6     | 0.3      | 0.0                                  | 222  | 166      | 283      | 139                                     | 592  | 100      | 39.0     | 60.8 | 0.2 | 0.0 |
| Georgia       | 100                         | 47.9 | 51.6     | 0.5      | 0.0                                  | 195  | 186      | 203      | 140                                     | 282  | 100      | 45.8     | 53.8 | 0.3 | 0.0 |
| Hawaii        | 100                         | 63.2 | 36.7     | 0.1      | 0.0                                  | 159  | 120      | 227      | 68                                      | 873  | 100      | 47.6     | 52.3 | 0.1 | 0.0 |
| Idaho         | 100                         | 52.8 | 46.8     | 0.3      | 0.0                                  | 264  | 230      | 304      | 274                                     | 404  | 100      | 45.9     | 53.8 | 0.3 | 0.0 |
| Illinois      | 100                         | 45.1 | 53.4     | 1.5      | 0.1                                  | 217  | 188      | 243      | 173                                     | 402  | 100      | 39.0     | 59.7 | 1.2 | 0.1 |
| Indiana       | 100                         | 58.2 | 41.2     | 0.6      | 0.0                                  | 282  | 259      | 316      | 196                                     | 468  | 100      | 53.5     | 46.1 | 0.4 | 0.0 |
| Iowa          | 100                         | 53.1 | 46.5     | 0.4      | 0.0                                  | 219  | 199      | 243      | 148                                     | 162  | 100      | 48.2     | 51.5 | 0.3 | 0.0 |
| Kansas        | 100                         | 49.0 | 50.7     | 0.2      | 0.0                                  | 278  | 274      | 282      | 99                                      | 214  | 100      | 48.4     | 51.5 | 0.1 | 0.0 |
| Kentucky      | 100                         | 43.4 | 56.3     | 0.4      | 0.0                                  | 256  | 248      | 263      | 210                                     | 716  | 100      | 41.9     | 57.8 | 0.3 | 0.0 |
| Louisiana     | 100                         | 63.6 | 36.3     | 0.1      | 0.0                                  | 218  | 226      | 205      | 200                                     | 682  | 100      | 65.8     | 34.1 | 0.1 | 0.0 |
| Maine         | 100                         | 41.0 | 56.8     | 2.2      | 0.0                                  | 216  | 191      | 235      | 192                                     | 292  | 100      | 36.2     | 61.8 | 2.0 | 0.0 |
| Maryland      | 100                         | 53.0 | 46.4     | 0.6      | 0.0                                  | 214  | 196      | 236      | 141                                     | 548  | 100      | 48.4     | 51.1 | 0.4 | 0.1 |
| Massachusetts | 100                         | 41.0 | 57.8     | 1.2      | 0.0                                  | 209  | 159      | 245      | 179                                     | 562  | 100      | 31.1     | 67.8 | 1.0 | 0.0 |
| Michigan      | 100                         | 45.2 | 54.5     | 0.3      | 0.0                                  | 204  | 172      | 231      | 183                                     | 447  | 100      | 38.1     | 61.6 | 0.3 | 0.0 |
| Minnesota     | 100                         | 36.0 | 63.7     | 0.3      | 0.0                                  | 237  | 164      | 279      | 115                                     | 322  | 100      | 24.9     | 74.9 | 0.1 | 0.0 |
| Mississippi   | 100                         | 50.3 | 49.5     | 0.2      | 0.0                                  | 207  | 196      | 217      | 213                                     | 397  | 100      | 47.8     | 51.9 | 0.2 | 0.0 |
| Missouri      | 100                         | 57.1 | 42.1     | 0.8      | 0.0                                  | 267  | 224      | 328      | 113                                     | 518  | 100      | 47.8     | 51.8 | 0.3 | 0.0 |
| Montana       | 100                         | 51.3 | 43.0     | 5.6      | 0.1                                  | 236  | 205      | 279      | 193                                     | 86   | 100      | 44.6     | 50.8 | 4.5 | 0.1 |
| Nebraska      | 100                         | 57.7 | 42.0     | 0.3      | 0.0                                  | 256  | 227      | 296      | 243                                     | 156  | 100      | 51.2     | 48.5 | 0.3 | 0.0 |
| Nevada        | 100                         | 59.6 | 39.8     | 0.6      | 0.0                                  | 184  | 157      | 224      | 147                                     | 0    | 100      | 51.0     | 48.5 | 0.5 | 0.0 |
| New Hampshire | 100                         | 56.3 | 40.1     | 3.6      | 0.1                                  | 272  | 228      | 336      | 241                                     | 417  | 100      | 47.2     | 49.5 | 3.2 | 0.1 |
| New Jersey    | 100                         | 51.3 | 48.5     | 0.2      | 0.0                                  | 258  | 212      | 308      | 135                                     | 245  | 100      | 42.0     | 57.9 | 0.1 | 0.0 |
| New Mexico    | 100                         | 47.0 | 52.5     | 0.5      | 0.0                                  | 153  | 125      | 179      | 35                                      | 306  | 100      | 38.3     | 61.5 | 0.1 | 0.0 |

|                | Share of Bene Mos (percent) |      |          |        |          | Medicaid Rx \$ per Bene Mo (dollars) |      |          |        |          | Share of Total Medicaid Rx \$ (percent) |      |          |        |          |
|----------------|-----------------------------|------|----------|--------|----------|--------------------------------------|------|----------|--------|----------|---|------|----------|--------|----------|
|                | All                         | Aged | Disabled | Adults | Children | All                                  | Aged | Disabled | Adults | Children | All                                     | Aged | Disabled | Adults | Children |
|                |                             |      |          |        |          |                                      |      |          |        |          |   |      |          |        |          |
| New York       | 100                         | 55.2 | 43.8     | 1.0    | 0.0      | 199                                  | 138  | 273      | 319    | 373      | 100                                     | 38.2 | 60.2     | 1.6    | 0.0      |
| North Carolina | 100                         | 61.6 | 37.9     | 0.5    | 0.0      | 217                                  | 200  | 243      | 201    | 465      | 100                                     | 56.9 | 42.5     | 0.5    | 0.0      |
| North Dakota   | 100                         | 63.8 | 35.9     | 0.2    | 0.0      | 195                                  | 183  | 217      | 158    | 75       | 100                                     | 59.8 | 40.0     | 0.2    | 0.0      |
| Ohio           | 100                         | 58.4 | 40.5     | 1.0    | 0.0      | 271                                  | 247  | 308      | 163    | 228      | 100                                     | 53.3 | 46.1     | 0.6    | 0.0      |
| Oklahoma       | 100                         | 65.8 | 33.5     | 0.8    | 0.0      | 170                                  | 163  | 185      | 94     | 511      | 100                                     | 63.1 | 36.5     | 0.4    | 0.1      |
| Oregon         | 100                         | 62.5 | 36.0     | 1.5    | 0.0      | 252                                  | 204  | 335      | 254    | 844      | 100                                     | 50.7 | 47.8     | 1.5    | 0.1      |
| Pennsylvania   | 100                         | 67.9 | 31.8     | 0.3    | 0.0      | 255                                  | 241  | 286      | 276    | 444      | 100                                     | 64.0 | 35.7     | 0.3    | 0.0      |
| Rhode Island   | 100                         | 48.4 | 51.5     | 0.1    | 0.0      | 214                                  | 175  | 250      | 131    | 439      | 100                                     | 39.7 | 60.2     | 0.1    | 0.0      |
| South Carolina | 100                         | 60.5 | 38.7     | 0.8    | 0.0      | 153                                  | 128  | 192      | 126    | 103      | 100                                     | 50.6 | 48.7     | 0.7    | 0.0      |
| South Dakota   | 100                         | 51.1 | 48.2     | 0.7    | 0.0      | 214                                  | 215  | 214      | 103    | 537      | 100                                     | 51.4 | 48.2     | 0.3    | 0.1      |
| Tennessee      | 0                           | 0.0  | 0.0      | 0.0    | 0.0      | 0                                    | 0    | 0        | 0      | 0        | 0                                       | 0.0  | 0.0      | 0.0    | 0.0      |
| Texas          | 100                         | 73.2 | 26.6     | 0.2    | 0.0      | 171                                  | 169  | 178      | 153    | 409      | 100                                     | 72.1 | 27.7     | 0.2    | 0.0      |
| Utah           | 100                         | 56.3 | 42.7     | 0.9    | 0.0      | 286                                  | 247  | 339      | 260    | 0        | 100                                     | 48.6 | 50.6     | 0.8    | 0.0      |
| Vermont        | 100                         | 47.6 | 50.4     | 1.9    | 0.0      | 231                                  | 203  | 260      | 137    | 650      | 100                                     | 41.9 | 56.9     | 1.1    | 0.1      |
| Virginia       | 100                         | 60.6 | 39.1     | 0.3    | 0.0      | 223                                  | 202  | 255      | 221    | 296      | 100                                     | 54.9 | 44.8     | 0.3    | 0.0      |
| Washington     | 100                         | 57.1 | 42.6     | 0.4    | 0.0      | 230                                  | 191  | 284      | 132    | 288      | 100                                     | 47.3 | 52.5     | 0.2    | 0.0      |
| West Virginia  | 100                         | 49.1 | 50.2     | 0.6    | 0.0      | 203                                  | 194  | 211      | 195    | 260      | 100                                     | 47.0 | 52.3     | 0.6    | 0.0      |
| Wisconsin      | 100                         | 43.7 | 54.5     | 1.8    | 0.0      | 213                                  | 190  | 231      | 204    | 159      | 100                                     | 39.1 | 59.2     | 1.7    | 0.0      |
| Wyoming        | 100                         | 54.0 | 45.4     | 0.6    | 0.0      | 241                                  | 230  | 254      | 165    | 315      | 100                                     | 51.6 | 47.9     | 0.4    | 0.0      |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

- a. Table N.6 includes beneficiaries represented by Cell G of Table 1 in the national table set and the table set for each state. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Dual eligible beneficiaries included in this table are those who had Medicare benefits as well as Medicaid fee-for-service pharmacy benefit coverage during at least one month of their Medicaid enrollment in 2001. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.
- c. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to states.
- d. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services. The total includes some beneficiaries with unknown basis of eligibility and some whose age categories are not consistent with basis of eligibility.

Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; D.C. = District of Columbia; MAX = Medicaid Analytic Extract.

NATIONAL COMPARISON TABLE N.7  
 TOP 10 DRUG GROUPS RANKED BY TOTAL MEDICAID PHARMACY REIMBURSEMENT, ALL STATES COMBINED AND BY STATE  
 DUAL ELIGIBLE BENEFICIARIES, 2001<sup>a,b,c</sup>

|                   | ANTI-<br>PSYCHOTIC | ULCER<br>DRUGS | ANTI-<br>DEPRESSANT | ANTI-<br>DIABETIC | ANTI-<br>CONVULSANT | ANTI-<br>INFLAMMATORY | ANTI-<br>HYPERLIPIDEMIC | ANTI-<br>HYPERTENSIVE | ANTI-<br>NARCOTIC | ANALGESICS<br>NARCOTIC | ANALGESICS<br>NON-NARCOTIC | CALCIUM<br>BLOCKERS |
|-------------------|--------------------|----------------|---------------------|-------------------|---------------------|-----------------------|-------------------------|-----------------------|-------------------|------------------------|----------------------------|---------------------|
| <b>All States</b> | 1                  | 2              | 3                   | 4                 | 5                   | 6                     | 7                       | 8                     | 9                 | 10                     |                            |                     |
| Alabama           | 1                  | 4              | 2                   | 3                 | 6                   | n.a.                  | 9                       | 5                     | 7                 | 8                      |                            |                     |
| Alaska            | 1                  | 2              | 3                   | 10                | 5                   | 6                     | n.a.                    | 8                     | 4                 | n.a.                   |                            |                     |
| Arizona           | n.a.               | 4              | n.a.                | 2                 | 9                   | n.a.                  | 8                       | 3                     | 7                 | 10                     |                            |                     |
| Arkansas          | 1                  | 2              | 3                   | 5                 | 7                   | 6                     | 10                      | 4                     | 9                 | 8                      |                            |                     |
| California        | 1                  | 2              | 7                   | 3                 | 10                  | 5                     | 4                       | 6                     | n.a.              | 9                      |                            |                     |
| Colorado          | 1                  | 2              | 3                   | 7                 | 5                   | 6                     | 10                      | 8                     | 4                 | n.a.                   |                            |                     |
| Connecticut       | 1                  | 3              | 2                   | 6                 | 4                   | 10                    | 7                       | 8                     | 5                 | n.a.                   |                            |                     |
| Delaware          | 2                  | 7              | n.a.                | 6                 | 8                   | n.a.                  | 5                       | 3                     | n.a.              | 4                      |                            |                     |
| D.C.              | 1                  | 2              | 4                   | 9                 | 5                   | 8                     | 7                       | 10                    | 6                 | n.a.                   |                            |                     |
| Florida           | 1                  | 2              | 4                   | 6                 | 10                  | 5                     | 9                       | 8                     | 7                 | n.a.                   |                            |                     |
| Georgia           | 1                  | 2              | 3                   | 5                 | 8                   | 6                     | 10                      | 4                     | 7                 | 9                      |                            |                     |
| Hawaii            | 1                  | n.a.           | 5                   | 4                 | 6                   | 10                    | 2                       | 3                     | 7                 | 9                      |                            |                     |
| Idaho             | 1                  | 3              | 2                   | 6                 | 4                   | 7                     | 10                      | 9                     | 5                 | n.a.                   |                            |                     |
| Illinois          | 1                  | 2              | 3                   | 5                 | 4                   | 8                     | 7                       | 6                     | n.a.              | 10                     |                            |                     |
| Indiana           | 1                  | 2              | 3                   | 6                 | 4                   | 7                     | 10                      | 9                     | 5                 | n.a.                   |                            |                     |
| Iowa              | 1                  | 4              | 2                   | 5                 | 3                   | n.a.                  | 9                       | 8                     | 7                 | 10                     |                            |                     |
| Kansas            | 1                  | 3              | 2                   | 6                 | 4                   | 5                     | 10                      | 9                     | 7                 | n.a.                   |                            |                     |
| Kentucky          | 2                  | 1              | 3                   | 6                 | 9                   | 5                     | 7                       | 8                     | n.a.              | 10                     |                            |                     |
| Louisiana         | 1                  | 2              | 3                   | 5                 | 9                   | 4                     | 8                       | 6                     | 10                | 7                      |                            |                     |
| Maine             | 1                  | 3              | 2                   | 7                 | 4                   | 9                     | 6                       | 10                    | 5                 | n.a.                   |                            |                     |
| Maryland          | 1                  | 2              | 3                   | 5                 | 4                   | 10                    | 6                       | 7                     | 9                 | 8                      |                            |                     |
| Massachusetts     | 1                  | 4              | 2                   | 8                 | 3                   | n.a.                  | 5                       | 10                    | 7                 | n.a.                   |                            |                     |
| Michigan          | 1                  | 3              | 2                   | 6                 | 4                   | 8                     | 7                       | 9                     | 5                 | n.a.                   |                            |                     |
| Minnesota         | 1                  | 4              | 2                   | 6                 | 3                   | 9                     | 8                       | 10                    | 5                 | n.a.                   |                            |                     |
| Mississippi       | 2                  | 1              | 6                   | 3                 | 10                  | 4                     | 8                       | 5                     | 9                 | 7                      |                            |                     |
| Missouri          | 1                  | 5              | 2                   | 7                 | 4                   | 3                     | 8                       | 9                     | 6                 | n.a.                   |                            |                     |
| Montana           | 1                  | 2              | 3                   | 7                 | 5                   | 9                     | 10                      | 8                     | 4                 | n.a.                   |                            |                     |
| Nebraska          | 1                  | 2              | 3                   | 7                 | 4                   | 5                     | 9                       | 10                    | 6                 | n.a.                   |                            |                     |
| Nevada            | 1                  | 2              | 4                   | 9                 | 6                   | 5                     | 8                       | 7                     | 3                 | n.a.                   |                            |                     |
| New Hampshire     | 1                  | 3              | 2                   | 7                 | 4                   | 8                     | 9                       | 10                    | 5                 | n.a.                   |                            |                     |
| New Jersey        | 1                  | 2              | 7                   | 3                 | 10                  | 4                     | 5                       | 8                     | n.a.              | 9                      |                            |                     |
| New Mexico        | 2                  | 1              | 3                   | 4                 | 5                   | 6                     | 9                       | 7                     | 8                 | n.a.                   |                            |                     |
| New York          | 1                  | 2              | 5                   | 6                 | 9                   | 8                     | 4                       | 7                     | n.a.              | 10                     |                            |                     |
| North Carolina    | 2                  | 1              | 3                   | 4                 | 9                   | 5                     | 7                       | 6                     | 8                 | 10                     |                            |                     |
| North Dakota      | 1                  | 3              | 2                   | 5                 | 4                   | 6                     | 10                      | 7                     | 8                 | n.a.                   |                            |                     |
| Ohio              | 1                  | 2              | 3                   | 5                 | 4                   | 6                     | 7                       | 10                    | 8                 | n.a.                   |                            |                     |
| Oklahoma          | 1                  | 3              | 2                   | 6                 | 7                   | 9                     | 8                       | 4                     | 5                 | 10                     |                            |                     |

Table N.7

Dual Eligible Beneficiaries

|                | ANTI-<br>PSYCHOTIC | ULCER<br>DRUGS | ANTI-<br>DEPRESSANT | ANTI-<br>DIABETIC | ANTI-<br>CONVULSANT | ANTI-<br>INFLAMMATORY | ANTI-<br>HYPERLIPIDEMIC | ANTI-<br>HYPERTENSIVE | ANTI-<br>NARCOTIC | CALCIUM<br>BLOCKERS |
|----------------|--------------------|----------------|---------------------|-------------------|---------------------|-----------------------|-------------------------|-----------------------|-------------------|---------------------|
| Oregon         | 1                  | 5              | 2                   | 6                 | 4                   | 10                    | 9                       | 8                     | 3                 | n.a.                |
| Pennsylvania   | 1                  | 2              | 3                   | 5                 | 4                   | 9                     | 7                       | 8                     | 6                 | n.a.                |
| Rhode Island   | 1                  | 2              | 3                   | 7                 | 4                   | 8                     | 5                       | 6                     | n.a.              | 10                  |
| South Carolina | 2                  | 1              | 5                   | 3                 | 10                  | 7                     | 6                       | 4                     | 9                 | 8                   |
| South Dakota   | 1                  | 2              | 3                   | 8                 | 4                   | 6                     | n.a.                    | 9                     | 5                 | 10                  |
| Tennessee      | NA                 | NA             | NA                  | NA                | NA                  | NA                    | NA                      | NA                    | NA                | NA                  |
| Texas          | 1                  | 2              | 4                   | 3                 | 8                   | 5                     | 7                       | 6                     | 10                | 9                   |
| Utah           | 1                  | 3              | 2                   | 7                 | 4                   | 6                     | 9                       | 8                     | 5                 | n.a.                |
| Vermont        | 1                  | 2              | 3                   | 9                 | 4                   | 8                     | 5                       | 10                    | 6                 | n.a.                |
| Virginia       | 1                  | 2              | 3                   | 4                 | 5                   | 8                     | 7                       | 6                     | 9                 | 10                  |
| Washington     | 1                  | 3              | 2                   | 6                 | 5                   | 7                     | 8                       | 9                     | 4                 | n.a.                |
| West Virginia  | 1                  | 6              | 2                   | 4                 | 3                   | n.a.                  | 5                       | 8                     | 9                 | 10                  |
| Wisconsin      | 1                  | 3              | 2                   | 6                 | 4                   | 9                     | 7                       | 10                    | 5                 | n.a.                |
| Wyoming        | 1                  | 2              | 3                   | 8                 | 4                   | 5                     | 10                      | 9                     | 6                 | n.a.                |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 08/09/2006.

a. Table N.7 is based on beneficiaries represented by Cell G of Table 1 in the national table set and the table set for each state.

b. Dual eligible beneficiaries included in this table are those who had Medicare benefits as well as Medicaid fee-for-service pharmacy benefit coverage during at least one month of their Medicaid enrollment in 2001. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.

c. The top 10 drug groups were determined based on total Medicaid reimbursement in each state for 2001. The Medicaid reimbursement amounts do not reflect federally required rebates from drug manufacturers to states. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

CMS = Center for Medicare and Medicaid Services; D.C. = District of Columbia; MAX = Medicaid Analytic Extract; n.a. = not applicable; NA = not available













SUPPLEMENTAL TABLE 1E  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 85 AND OLDER<sup>a, b</sup>  
 UNITED STATES, 2001

Total Number of Dual Eligible Beneficiaries, Age 85+ 963,440  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 85+ \$1,634,235,391  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 85+ \$1,696

| Annual Pharmacy Reimbursement per Beneficiary | Number of Beneficiaries | Percent of Dual Beneficiaries, Age 85+ | Pharmacy Reimbursement | Percent of Total Pharmacy Reimbursement |
|---|-------------------------|--|------------------------|---|
| \$0   | 123,009                 | 12.8 %                                 | 0                      | 0.0 %                                   |
| 1-500   | 189,672                 | 19.7                                   | 43,541,918             | 2.7                                     |
| 501-1,000                                     | 135,678                 | 14.1                                   | 100,600,015            | 6.2                                     |
| 1,001-1,500                                   | 109,746                 | 11.4                                   | 136,323,584            | 8.3                                     |
| 1,501-2,000                                   | 89,954                  | 9.3                                    | 156,679,568            | 9.6                                     |
| 2,001-2,500                                   | 72,825                  | 7.6                                    | 163,217,604            | 10.0                                    |
| 2,501-3,000                                   | 58,493                  | 6.1                                    | 160,303,042            | 9.8                                     |
| 3,001-3,500                                   | 45,595                  | 4.7                                    | 147,787,311            | 9.0                                     |
| 3,501-4,000                                   | 34,900                  | 3.6                                    | 130,499,975            | 8.0                                     |
| 4,001-4,500                                   | 26,777                  | 2.8                                    | 113,505,284            | 6.9                                     |
| 4,501-5,000                                   | 20,053                  | 2.1                                    | 95,034,301             | 5.8                                     |
| 5,001-5,500                                   | 14,931                  | 1.5                                    | 78,206,204             | 4.8                                     |
| 5,501-6,000                                   | 10,954                  | 1.1                                    | 62,875,427             | 3.8                                     |
| 6,001-6,500                                   | 8,086                   | 0.8                                    | 50,439,985             | 3.1                                     |
| 6,501-7,000                                   | 5,858                   | 0.6                                    | 39,468,438             | 2.4                                     |
| 7,001-7,500                                   | 4,355                   | 0.5                                    | 31,515,784             | 1.9                                     |
| 7,501-8,000                                   | 3,111                   | 0.3                                    | 24,072,748             | 1.5                                     |
| 8,001-8,500                                   | 2,215                   | 0.2                                    | 18,245,801             | 1.1                                     |
| 8,501-9,000                                   | 1,624                   | 0.2                                    | 14,189,597             | 0.9                                     |
| 9,001-9,500                                   | 1,167                   | 0.1                                    | 10,781,349             | 0.7                                     |
| 9,501-10,000                                  | 879                     | 0.1                                    | 8,560,353              | 0.5                                     |
| 10,001+                                       | 3,558                   | 0.4                                    | 48,387,103             | 3.0                                     |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. This table is based on prescription drug claims for beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefit coverage during some or all months of Medicaid enrollment in 2001.

b. Medicaid reimbursement amounts in this table do not reflect federally required rebates from drug manufacturers to states.

APPENDIX TABLE A.3  
 CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics                  | No. of Benes     |                  |                  |               |              | No. of Bene Mos   |                   |                   |                |              |            |
|--|------------------|------------------|------------------|---------------|--------------|-------------------|-------------------|-------------------|----------------|--------------|------------|
|  | All              | Aged             | Disabled         | Adults        | Children     | All               | Aged              | Disabled          | Adults         | Children     | Unknown    |
| <b>All</b>                                   | <b>6,363,555</b> | <b>3,509,726</b> | <b>2,777,388</b> | <b>75,259</b> | <b>1,125</b> | <b>67,801,555</b> | <b>36,562,990</b> | <b>30,563,163</b> | <b>665,223</b> | <b>9,932</b> | <b>247</b> |
| <b>Age</b>                                   |                  |                  |                  |               |              |                   |                   |                   |                |              |            |
| 5 and younger                                | 361              | 19               | 287              | 1             | 54           | 0                 | 3,693             | 174               | 3,021          | 486          | 0          |
| 6-14   | 1,051            | 4                | 848              | 0             | 199          | 0                 | 11,560            | 43                | 9,468          | 2,049        | 0          |
| 15-20  | 10,157           | 3                | 9,379            | 207           | 567          | 1                 | 110,588           | 30                | 103,427        | 5,361        | 6          |
| 21-44  | 985,084          | 339              | 944,114          | 40,360        | 266          | 5                 | 10,780,976        | 3,641             | 10,416,140     | 359,401      | 31         |
| 45-64  | 1,255,224        | 2,506            | 1,223,857        | 28,818        | 22           | 21                | 13,624,682        | 24,956            | 13,338,492     | 261,008      | 91         |
| 65-74  | 1,621,071        | 1,197,914        | 418,238          | 4,889         | 12           | 18                | 17,544,824        | 12,775,451        | 4,732,690      | 36,544       | 61         |
| 75-84  | 1,457,565        | 1,322,334        | 134,423          | 800           | 1            | 7                 | 15,465,067        | 13,970,835        | 1,488,792      | 5,388        | 40         |
| 85 and older                                 | 1,033,022        | 986,590          | 46,240           | 183           | 4            | 5                 | 10,260,028        | 9,787,742         | 471,118        | 1,102        | 18         |
| Unknown                                      | 20               | 17               | 2                | 1             | 0            | 0                 | 137               | 118               | 15             | 4            | 0          |
| <b>Gender</b>                                |                  |                  |                  |               |              |                   |                   |                   |                |              |            |
| Female                                       | 4,078,219        | 2,532,181        | 1,505,046        | 40,457        | 502          | 33                | 43,706,324        | 26,615,979        | 16,722,463     | 363,174      | 134        |
| Male   | 2,285,319        | 977,544          | 1,272,326        | 34,802        | 623          | 24                | 24,095,079        | 9,946,999         | 13,840,560     | 302,049      | 113        |
| Unknown                                      | 17               | 1                | 16               | 0             | 0            | 0                 | 152               | 12                | 140            | 0            | 0          |
| <b>Race</b>                                  |                  |                  |                  |               |              |                   |                   |                   |                |              |            |
| White  | 3,765,236        | 2,062,540        | 1,658,285        | 43,742        | 628          | 41                | 39,487,541        | 20,901,084        | 18,194,029     | 386,779      | 180        |
| African American                             | 1,138,610        | 540,257          | 581,603          | 16,456        | 281          | 13                | 12,310,519        | 5,771,752         | 6,389,951      | 146,245      | 49         |
| Other/unknown                                | 1,459,709        | 906,929          | 537,500          | 15,061        | 216          | 3                 | 16,003,495        | 9,890,154         | 5,979,183      | 132,199      | 18         |
| <b>Use of Nursing Facilities<sup>c</sup></b> |                  |                  |                  |               |              |                   |                   |                   |                |              |            |
| Entire year                                  | 885,610          | 781,012          | 104,507          | 89            | 2            | 0                 | 8,981,535         | 7,861,385         | 1,119,227      | 899          | 0          |
| Part year                                    | 446,540          | 371,642          | 74,623           | 268           | 6            | 1                 | 4,173,869         | 3,400,266         | 770,952        | 2,576        | 3          |
| None   | 5,031,405        | 2,357,072        | 2,598,258        | 74,902        | 1,117        | 56                | 54,646,151        | 25,301,339        | 28,672,984     | 661,748      | 244        |
| <b>Maintenance Assistance Status</b>         |                  |                  |                  |               |              |                   |                   |                   |                |              |            |
| Cash   | 3,349,257        | 1,562,720        | 1,761,197        | 25,258        | 82           | 0                 | 37,840,362        | 17,608,393        | 20,008,189     | 223,034      | 0          |
| Medically needy                              | 825,936          | 542,725          | 272,844          | 10,220        | 147          | 0                 | 7,917,017         | 5,134,509         | 2,693,699      | 87,652       | 0          |
| Poverty related                              | 677,012          | 370,756          | 303,106          | 2,826         | 316          | 8                 | 7,098,421         | 3,841,886         | 3,234,041      | 19,500       | 36         |
| Other/unknown                                | 1,511,350        | 1,033,525        | 440,241          | 36,955        | 580          | 49                | 14,945,755        | 9,978,202         | 4,627,234      | 335,037      | 211        |
| <b>Dual Status<sup>d</sup></b>               |                  |                  |                  |               |              |                   |                   |                   |                |              |            |
| Full dual, all year                          | 6,160,740        | 3,400,508        | 2,685,556        | 73,497        | 1,122        | 57                | 65,666,596        | 35,422,039        | 29,588,042     | 646,372      | 247        |
| Full dual, part year                         | 202,815          | 109,218          | 91,832           | 1,762         | 3            | 0                 | 2,134,959         | 1,140,951         | 975,121        | 18,851       | 0          |
| <b>Managed Care Status</b>                   |                  |                  |                  |               |              |                   |                   |                   |                |              |            |
| FFS all year                                 | 5,540,770        | 3,121,310        | 2,375,967        | 42,602        | 834          | 57                | 58,782,950        | 32,377,074        | 26,041,245     | 357,169      | 247        |
| FFS part year, with Rx claims                | 109,813          | 48,883           | 55,085           | 5,762         | 83           | 0                 | 1,206,475         | 532,511           | 615,591        | 57,535       | 0          |
| FFS part year, no Rx claims                  | 42,630           | 19,773           | 19,951           | 2,866         | 40           | 0                 | 434,950           | 201,453           | 208,478        | 24,657       | 0          |
| MC all year, with Rx claims                  | 77,049           | 36,437           | 37,509           | 3,075         | 28           | 0                 | 863,891           | 403,157           | 429,766        | 30,680       | 0          |
| MC all year, no Rx claims                    | 592,904          | 283,136          | 288,674          | 20,954        | 140          | 0                 | 6,512,660         | 3,048,501         | 3,267,748      | 195,182      | 0          |
| Unknown                                      | 389              | 187              | 202              | 0             | 0            | 0                 | 629               | 294               | 335            | 0            | 0          |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.  
 Appendix Table A.3

- a. Table A.3 includes the beneficiaries represented by Cell F of Table 1. Benefit months are months during which beneficiaries had pharmacy benefit coverage.
- b. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services. The total includes some beneficiaries with unknown basis of eligibility and some whose age categories are not consistent with basis of eligibility.
- c. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- d. The "Full dual, all year" group contains beneficiaries who had Medicare as well as Medicaid pharmacy benefits during all months of Medicaid enrollment in 2001. The "Full dual, part year" group contains beneficiaries who had such benefits for some, but not all, months of their enrollment. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; FFS = fee-for-service pharmacy benefit; MAX = Medicaid Analytic Extract; MC = managed care; Rx = pharmacy benefit.

APPENDIX TABLE A.4  
 MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS<sup>a</sup>  
 DUAL ELIGIBLE BENEFICIARIES, UNITED STATES, 2001

| Beneficiary Characteristics      | Bene Mos in Cell F of Table 1 |                   | Included in Cell G of Table 1 |                   | Excluded from Cell G of Table 1 |                  |
|----------------------------------|-------------------------------|-------------------|-------------------------------|-------------------|---------------------------------|------------------|
|                                  | No. of Benes                  | No. of Bene Mos   | No. of Benes                  | No. of Bene Mos   | No. of Benes                    | No. of Bene Mos  |
| <b>All</b>                       | <b>6,363,555</b>              | <b>67,801,555</b> | <b>5,693,212</b>              | <b>59,578,655</b> | <b>77,050</b>                   | <b>8,222,900</b> |
| FFS all year                     | 5,540,770                     | 58,782,950        | 5,540,770                     | 58,785,276        | 0                               | -2,326           |
| FFS part year, with Rx claims    | 109,813                       | 1,206,475         | 109,812                       | 633,254           | 1                               | 573,221          |
| FFS part year, with no Rx claims | 42,630                        | 434,950           | 42,629                        | 160,121           | 1                               | 274,829          |
| MC all year, with Rx claims      | 77,049                        | 863,891           | 1                             | 4                 | 77,048                          | 863,887          |
| MC all year, with no Rx claims   | 592,904                       | 6,512,660         | 0                             | 0                 | 0                               | 6,512,660        |
| Unknown                          | 389                           | 629               | 0                             | 0                 | 0                               | 629              |

Source: Data for this table are from the MAX 2001 file for the U.S., released by CMS in 09/2005. This table was produced on 11/01/2006.

a. Benefit months are months during which beneficiaries had pharmacy benefit coverage.

Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; FFS = fee-for-service pharmacy benefit; MAX = Medicaid Analytic Extract; MC = managed care; Rx = pharmacy benefit.