

# STATISTICAL COMPENDIUM: MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 1999 MISSOURI

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TABLE 11

CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

Beneficiary Characteristics	No. of Benes							No. of Bene Mos				
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown
<b>All</b>	<b>139,412</b>	<b>85,638</b>	<b>52,822</b>	<b>911</b>	<b>41</b>	<b>0</b>	<b>1,435,120</b>	<b>875,009</b>	<b>552,750</b>	<b>7,000</b>	<b>361</b>	<b>0</b>
<b>Age</b>												
5 and younger	8	0	3	0	5	0	93	0	36	0	57	0
6-14	18	0	6	0	12	0	189	0	72	0	117	0
15-20	227	0	202	4	21	0	2,296	0	2,112	33	151	0
21-44	23,269	0	22,578	690	1	0	250,363	0	244,975	5,376	12	0
45-64	28,585	1,507	26,889	189	0	0	296,001	16,622	277,979	1,400	0	0
65-74	30,637	28,713	1,900	24	0	0	313,120	297,145	15,819	156	0	0
75-84	31,054	30,179	871	4	0	0	317,384	309,203	8,146	35	0	0
85 and older	25,614	25,239	373	0	2	0	255,674	252,039	3,611	0	24	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
<b>Gender</b>												
Female	90,421	63,480	26,406	516	19	0	944,676	660,477	279,926	4,108	165	0
Male	48,991	22,158	26,416	395	22	0	490,444	214,532	272,824	2,892	196	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
<b>Race</b>												
White	112,967	70,567	41,717	657	26	0	1,154,943	714,154	435,432	5,129	228	0
African American	24,516	13,610	10,659	233	14	0	260,424	145,634	112,906	1,763	121	0
Other/unknown	1,929	1,461	446	21	1	0	19,753	15,221	4,412	108	12	0
<b>Use of Nursing Facilities</b>												
All year	22,188	20,628	1,559	0	1	0	237,922	220,323	17,587	0	12	0
Part year	14,008	12,723	1,284	0	1	0	126,295	113,641	12,642	0	12	0
None	103,216	52,287	49,979	911	39	0	1,070,903	541,045	522,521	7,000	337	0
<b>Maintenance Assistance Status</b>												
Cash	36,328	18,935	17,142	245	6	0	417,518	218,010	197,420	2,033	55	0
Medically needy	0	0	0	0	0	0	0	0	0	0	0	0
Poverty-related	7,526	3,903	3,535	66	22	0	67,355	31,558	35,145	460	192	0
Other/unknown	95,558	62,800	32,145	600	13	0	950,247	625,441	320,185	4,507	114	0
<b>Dual Medicare Status<sup>c</sup></b>												
Full dual, all year	127,275	79,736	46,656	842	41	0	1,315,542	821,131	487,800	6,250	361	0
Full dual, part year	12,137	5,902	6,166	69	0	0	119,578	53,878	64,950	750	0	0
<b>Managed Care Status</b>												
FFS all year	139,120	85,637	52,721	735	27	0	1,433,512	875,004	552,062	6,146	300	0
FFS part year, with Rx claims	180	0	80	93	7	0	1,071	0	570	468	33	0
FFS part year, no Rx claims	112	1	21	83	7	0	537	5	118	386	28	0

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table 11 includes the beneficiaries represented by Cells G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

Table 11

Dual Eligible Beneficiaries

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. 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 1999. 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 12  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

Beneficiary Characteristics	% with at Least One Rx	Mean No. of Rx	Mean Rx \$	\$ per Rx	Mean \$, All Services	Rx \$ as % of All Services	Mean OTC Drug \$ <sup>c</sup>	No. of Beneficiaries
All	90.1 %	48.1	\$2,225	\$46	\$10,671	20.8 %	\$55	139,412
<b>Age</b>								
5 and younger	87.5	62.4	5,786	93	22,938	25.2	56	8
6-14	94.4	49.7	6,354	128	12,102	52.5	46	18
15-20	81.5	25.7	2,206	86	11,561	19.1	19	227
21-44	86.0	37.8	2,758	73	10,008	27.6	33	23,269
45-64	90.7	53.7	2,877	54	9,552	30.1	69	28,585
65-74	88.0	48.0	2,017	42	7,691	26.2	64	30,637
75-84	91.4	50.7	1,928	38	11,035	17.5	57	31,054
85 and older	93.9	48.4	1,617	33	15,632	10.3	48	25,614
Unknown	0.0	0.0	0	0	0	0.0	0	0
<b>Basis of Eligibility</b>								
Aged	91.4	49.8	1,897	38	11,377	16.7	58	85,638
Disabled	88.3	46.0	2,780	61	9,672	28.7	52	52,822
Adults	68.4	14.4	685	48	1,897	36.1	12	911
Children	82.9	46.7	6,315	135	17,206	36.7	51	41
Unknown	0.0	0.0	0	0	0	0.0	0	0
<b>Gender</b>								
Female	92.4	52.3	2,192	42	11,022	19.9	62	90,421
Male	85.7	40.4	2,285	57	10,023	22.8	43	48,991
Unknown	0.0	0.0	0	0	0	0.0	0	0
<b>Race</b>								
White	91.2	51.0	2,345	46	11,030	21.3	56	112,967
African American	85.3	36.3	1,718	47	9,330	18.4	55	24,516
Other/unknown	82.7	30.3	1,614	53	6,687	24.1	40	1,929
<b>Use of Nursing Facilities</b>								
Entire year	98.2	66.5	2,451	37	26,388	9.3	70	22,188
Part year	96.1	51.3	1,973	39	14,663	13.5	56	14,008
None	87.5	43.7	2,210	51	6,750	32.7	52	103,216
<b>Maintenance Assistance Status</b>								
Cash	91.4	49.2	2,309	47	7,006	33.0	58	36,328
Medically needy	0.0	0.0	0	0	0	0.0	0	0
Poverty related	86.0	32.9	1,707	52	6,008	28.4	38	7,526
Other/unknown	89.9	48.9	2,234	46	12,431	18.0	56	95,558

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

Table 12

Dual Eligible Beneficiaries

a. Table 12 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. Information about OTC drugs appears in this column only. OTC drugs are not part of the reimbursement amount for prescription drugs.

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 13  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

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
<b>All</b>	<b>4.7</b>	<b>\$216</b>	<b>20.8 %</b>	<b>9.9 %</b>	<b>15.7 %</b>	<b>10.9 %</b>	<b>29.9 %</b>	<b>26.0 %</b>	<b>7.6 %</b>	<b>\$1,037</b>	<b>139,412</b>	<b>1,435,120</b>
<b>Age</b>												
5 and younger	5.4	498	25.2	12.5	0.0	0.0	25.0	50.0	12.5	1,973	8	93
6-14	4.7	605	52.5	5.6	11.1	22.2	22.2	33.3	5.6	1,153	18	189
15-20	2.5	218	19.1	18.5	35.2	11.9	20.3	12.3	1.8	1,143	227	2,296
21-44	3.5	256	27.6	14.0	26.4	12.5	24.8	17.2	5.0	930	23,269	250,363
45-64	5.2	278	30.1	9.3	14.2	10.6	28.6	26.8	10.5	922	28,585	296,001
65-74	4.7	197	26.2	12.0	15.1	10.6	29.0	25.5	7.8	753	30,637	313,120
75-84	5.0	189	17.5	8.6	12.4	10.3	31.8	29.1	7.7	1,080	31,054	317,384
85 and older	4.9	162	10.3	6.1	11.9	10.9	34.9	30.2	6.1	1,566	25,614	255,674
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Basis of Eligibility</b>												
Aged	4.9	186	16.7	8.6	13.1	10.6	31.8	28.5	7.4	1,114	85,638	875,009
Disabled	4.4	266	28.7	11.7	19.5	11.5	27.1	22.4	7.8	924	52,822	552,750
Adults	1.9	89	36.1	31.6	36.0	10.2	14.5	5.8	1.9	247	911	7,000
Children	5.3	717	36.7	17.1	9.8	7.3	29.3	26.8	9.8	1,954	41	361
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Gender</b>												
Female	5.0	210	19.9	7.6	13.5	10.7	31.3	28.5	8.4	1,055	90,421	944,676
Male	4.0	228	22.8	14.3	19.6	11.3	27.3	21.4	6.0	1,001	48,991	490,444
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Race</b>												
White	5.0	229	21.3	8.8	14.1	10.3	30.2	28.1	8.6	1,079	112,967	1,154,943
African American	3.4	162	18.4	14.7	21.9	13.6	29.4	17.4	3.1	878	24,516	260,424
Other/unknown	3.0	158	24.1	17.3	28.1	14.1	23.3	13.7	3.4	653	1,929	19,753
<b>Use of Nursing Facilities</b>												
Entire year	6.2	229	9.3	1.8	6.9	7.6	31.5	39.6	12.7	2,461	22,188	237,922
Part year	5.7	219	13.5	3.9	9.6	10.1	34.5	32.0	9.8	1,626	14,008	126,295
None	4.2	213	32.7	12.5	18.4	11.7	29.0	22.3	6.1	651	103,216	1,070,903
<b>Maintenance Assistance Status</b>												
Cash	4.3	201	33.0	8.6	18.7	11.8	30.0	24.2	6.7	610	36,328	417,518
Medically needy	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Poverty related	3.7	191	28.4	14.0	21.7	13.0	28.5	18.5	4.4	671	7,526	67,355
Other/unknown	4.9	225	18.0	10.1	14.0	10.4	30.0	27.3	8.1	1,250	95,558	950,247

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

Table 13

Dual Eligible Beneficiaries

- a. Table 13 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.
- 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 14  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

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>4.7</b>	<b>\$216</b>	<b>\$46</b>	<b>1.7</b>	<b>\$136</b>	<b>\$82</b>	<b>0.7</b>	<b>\$36</b>	<b>\$50</b>	<b>2.1</b>	<b>\$36</b>	<b>\$17</b>
<b>Age</b>												
5 and younger	5.4	498	93	2.2	412	185	0.8	29	35	1.8	32	18
6-14	4.7	605	128	1.6	418	269	1.2	143	123	1.7	40	23
15-20	2.5	218	86	1.0	146	144	0.4	44	111	1.0	26	25
21-44	3.5	256	73	1.4	183	134	0.4	35	79	1.5	31	20
45-64	5.2	278	54	2.0	178	90	0.7	45	64	2.3	43	19
65-74	4.7	197	42	1.7	120	70	0.7	33	47	2.0	35	17
75-84	5.0	189	38	1.7	110	65	0.8	34	42	2.2	36	16
85 and older	4.9	162	33	1.5	90	61	0.9	30	35	2.3	34	15
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Basis of Eligibility</b>												
Aged	4.9	186	38	1.7	109	66	0.8	33	41	2.2	35	16
Disabled	4.4	266	61	1.7	179	106	0.6	40	69	1.9	37	19
Adults	1.9	89	48	0.7	58	82	0.2	13	72	0.9	14	16
Children	5.3	717	135	1.8	491	268	1.0	138	139	2.1	78	36
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Gender</b>												
Female	5.0	210	42	1.8	128	72	0.8	35	47	2.2	37	16
Male	4.0	228	57	1.4	150	105	0.6	36	58	1.8	34	19
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Race</b>												
White	5.0	229	46	1.8	143	81	0.8	38	50	2.2	39	17
African American	3.4	162	47	1.2	105	85	0.5	26	50	1.5	24	16
Other/unknown	3.0	158	53	1.1	106	94	0.4	25	57	1.3	21	17
<b>Use of Nursing Facilities</b>												
Entire year	6.2	229	37	2.0	134	67	1.0	38	39	2.9	46	16
Part year	5.7	219	39	1.9	131	70	0.9	35	40	2.6	44	17
None	4.2	213	51	1.6	136	88	0.6	35	56	1.8	33	18
<b>Maintenance Assistance Status</b>												
Cash	4.3	201	47	1.5	125	81	0.6	35	55	1.9	32	17
Medically needy	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Poverty related	3.7	191	52	1.3	122	92	0.5	30	56	1.6	30	19
Other/unknown	4.9	225	46	1.7	141	82	0.8	36	48	2.2	38	17

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table 14 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.

Table 14

Dual Eligible Beneficiaries



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 Missouri, 5.2 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).

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

TABLE 15

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			Total No. of Rx			Total Rx \$	No. Dual Benes	As % of Bene Mos					
	Patented			Off-Patent			Generic										
	Total	Brand-Name	Off-Patent	Total	Brand-Name	Off-Patent	Total	Brand-Name	Off-Patent				Generic				
Anti-infective Agents	0.4	0.2	0.0	0.2	\$25	\$22	\$0	\$3	\$69	\$115	\$49	\$15	336,743	\$23,234,299	83,905	60.2 %	919,902
Biologics	0.1	0.1	0.0	0.0	7	2	2	3	66	20	1,509	161	4,003	263,065	3,458	2.5	39,372
Antineoplastic Agents	0.5	0.2	0.1	0.2	79	53	16	9	153	280	135	46	23,228	3,562,550	4,274	3.1	45,126
Endocrine/Metabolic Drugs	0.9	0.4	0.1	0.3	30	24	2	4	35	58	20	12	533,224	18,521,218	56,356	40.4	610,420
Cardiovascular Agents	1.7	0.5	0.4	0.7	52	27	15	9	31	52	38	13	1,541,923	48,402,945	86,883	62.3	927,557
Respiratory Agents	0.8	0.4	0.0	0.3	28	21	1	7	37	54	29	19	532,001	19,844,077	63,660	45.7	700,391
Gastrointestinal Agents	0.7	0.3	0.1	0.3	52	37	7	8	71	113	82	26	472,547	33,473,793	59,311	42.5	647,215
Genitourinary Agents	0.4	0.2	0.0	0.2	16	12	0	4	39	55	32	21	87,443	3,429,757	18,909	13.6	209,559
CNS Drugs	1.3	0.5	0.2	0.6	88	59	17	11	66	108	100	19	1,079,505	71,560,399	75,917	54.5	817,519
Stimulants/Anti-obesity/Anorexia	0.5	0.1	0.3	0.1	38	7	24	7	73	113	76	48	1,492	108,461	257	0.2	2,850
Miscellaneous Psychological/Neurological Agents	0.7	0.5	0.0	0.1	69	66	0	3	105	121	39	28	29,570	3,110,324	4,297	3.1	45,144
Analgesics and Anesthetics	0.8	0.2	0.1	0.5	33	19	6	8	42	88	78	16	599,196	25,369,742	71,685	51.4	779,737
Neuromuscular Agents	1.0	0.3	0.1	0.5	46	28	7	11	48	93	44	23	402,259	19,357,290	38,468	27.6	422,846
Nutritional Products	0.6	0.0	0.2	0.3	12	1	6	5	20	22	25	16	249,192	4,931,227	38,397	27.5	412,275
Hematological Agents	0.7	0.1	0.3	0.4	37	21	9	7	50	209	30	21	208,882	10,385,220	26,230	18.8	279,223
Topical Products	0.4	0.2	0.1	0.2	13	8	2	2	32	49	34	14	246,940	7,826,032	54,439	39.0	604,780
Miscellaneous Products	0.4	0.1	0.1	0.2	65	34	23	7	152	318	254	30	21,548	3,279,708	4,753	3.4	50,718
Unknown Therapeutic Category	0.5	0.0	0.0	0.0	20	0	0	0	40	0	0	0	336,016	13,498,433	61,217	43.9	675,090
<b>TOTAL NO. OF RX AND RX \$</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	6,705,712	310,158,540	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

- a. Table 15 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 1999. 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 Missouri, 5.2 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 16

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP<sup>a, b, c</sup>  
DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

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	\$35,140,514	37,666	27.0 %	414,787	0.7	\$119	\$85
ULCER DRUGS	28,054,917	59,451	42.6	654,864	0.5	84	43
ANTIDEPRESSANTS	26,175,884	68,160	48.9	741,936	0.6	58	35
ANTICONVULSANT	14,640,087	28,806	20.7	318,332	0.8	57	46
ANTIHYPERTENSIVE	13,375,465	52,873	37.9	570,610	0.7	36	23
ANALGESICS - ANTI-INFLAMMATORY	12,319,101	52,335	37.5	589,186	0.4	56	21
CALCIUM BLOCKERS	11,988,997	31,871	22.9	345,965	0.7	49	35
ANTIDIABETIC	11,831,833	38,853	27.9	421,752	0.7	41	28
ANALGESICS - Narcotic	11,377,445	75,813	54.4	828,421	0.4	34	14
ANTIASTHMATIC	11,183,646	53,951	38.7	586,916	0.5	40	19

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table 16 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 1999. 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 1999. 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.

TABLE 16A  
 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, MISSOURI, 1999

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ULCER DRUGS			
	No. of Rx	Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
<b>All</b>	<b>3,074,938</b>	<b>\$176,087,889</b>	<b>37,666</b>	<b>27.0 %</b>	<b>414,787</b>	<b>0.7</b>	<b>\$85</b>	<b>59,451</b>	<b>42.6 %</b>	<b>654,864</b>	<b>0.5</b>	<b>\$43</b>
<b>Female</b>	2,102,452	114,023,528	22,570	25.0	249,069	0.6	70	41,599	46.0	461,780	0.5	43
<b>Disabled</b>	678,590	44,670,364	9,062	34.3	102,905	0.7	96	12,594	47.7	141,775	0.4	41
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	13	348	0	0.0	0	0.0	0	1	33.3	12	0.2	4
15-20	1,323	107,284	31	33.3	351	1.0	113	24	25.8	280	0.3	29
21-44	208,391	15,299,264	4,089	42.9	46,699	0.7	101	3,561	37.4	40,693	0.4	36
45-64	434,982	27,497,175	4,702	31.8	53,425	0.7	95	8,191	55.3	92,243	0.5	44
65-74	19,512	1,054,393	152	13.5	1,549	0.5	44	465	41.4	4,751	0.4	41
75-84	10,530	534,544	55	9.4	595	0.5	41	241	41.0	2,617	0.5	43
85 and older	3,839	177,356	33	12.3	286	0.5	28	111	41.3	1,179	0.5	41
<b>Other Eligibles</b>	1,423,862	69,353,164	13,508	21.1	146,164	0.6	51	29,005	45.3	320,005	0.5	43
5 and younger	24	737	0	0.0	0	0.0	0	1	50.0	12	0.2	14
6-14	61	3,287	0	0.0	0	0.0	0	3	50.0	33	0.7	48
15-20	50	2,866	0	0.0	0	0.0	0	2	15.4	24	0.5	18
21-44	3,241	185,992	68	15.3	680	0.4	54	62	14.0	629	0.3	31
45-64	29,102	1,592,627	212	20.8	2,411	0.6	61	568	55.9	6,490	0.5	44
65-74	477,498	24,759,513	3,510	18.3	39,310	0.7	72	9,226	48.1	104,149	0.5	43
75-84	520,683	25,184,945	4,819	21.3	51,994	0.6	51	10,470	46.4	115,837	0.5	43
85 and older	393,203	17,623,197	4,899	23.6	51,769	0.5	34	8,673	41.8	92,831	0.6	44
<b>Male</b>	972,486	62,064,361	15,096	30.8	165,718	0.8	107	17,852	36.4	193,084	0.5	43
<b>Disabled</b>	551,304	41,423,273	10,306	39.0	115,962	0.9	130	9,087	34.4	100,350	0.5	44
5 and younger	33	1,217	0	0.0	0	0.0	0	1	50.0	12	0.2	3
6-14	18	1,236	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	1,272	117,158	31	28.4	327	1.0	178	21	19.3	223	0.3	22
21-44	248,705	21,082,992	6,161	47.2	70,095	0.9	136	3,631	27.8	41,321	0.4	40
45-64	286,589	19,440,820	4,003	33.1	44,441	0.9	124	5,036	41.7	54,773	0.5	47
65-74	9,746	530,498	71	9.1	672	0.6	48	260	33.4	2,531	0.5	43
75-84	3,630	179,474	21	7.4	212	0.5	35	105	37.1	1,143	0.5	44
85 and older	1,311	69,878	19	18.3	215	0.6	39	33	31.7	347	0.4	44
<b>Other Eligibles</b>	421,182	20,641,088	4,790	21.2	49,756	0.6	54	8,765	38.8	92,734	0.5	43
5 and younger	11	847	1	33.3	12	0.2	11	1	33.3	9	0.2	40
6-14	51	3,431	0	0.0	0	0.0	0	2	33.3	24	0.3	17
15-20	168	12,656	1	8.3	12	0.9	276	4	33.3	42	0.5	49
21-44	1,839	94,618	29	11.7	258	0.3	31	45	18.1	437	0.4	34
45-64	16,431	961,678	143	21.1	1,637	0.8	85	307	45.2	3,420	0.5	52
65-74	183,264	9,313,952	1,717	18.0	18,484	0.7	67	3,665	38.4	39,415	0.5	42
75-84	145,637	6,944,635	1,796	23.6	18,393	0.6	51	2,999	39.4	31,523	0.5	43
85 and older	73,781	3,309,271	1,103	24.7	10,960	0.5	33	1,742	39.0	17,864	0.6	44
<b>Unknown</b>	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table 16A 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 1999. 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 1999. 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 16B  
 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, MISSOURI, 1999

Beneficiary Characteristics	ANTIDEPRESSANTS					ANTICONVULSANT					ANTIHYPERTENSIVE				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
<b>All</b>	<b>68,160</b>	<b>48.9 %</b>	<b>741,936</b>	<b>0.6</b>	<b>\$35</b>	<b>28,806</b>	<b>20.7 %</b>	<b>318,332</b>	<b>0.8</b>	<b>\$46</b>	<b>52,873</b>	<b>37.9 %</b>	<b>570,610</b>	<b>0.7</b>	<b>\$23</b>
<b>Female</b>	47,603	52.6	521,212	0.6	35	16,748	18.5	185,553	0.8	42	36,366	40.2	395,776	0.7	23
<b>Disabled</b>	19,236	72.8	214,479	0.6	38	8,855	33.5	99,890	0.8	52	7,854	29.7	86,220	0.6	22
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	33.3	12	0.5	3
15-20	41	44.1	443	0.6	40	36	38.7	405	0.7	84	12	12.9	125	0.7	11
21-44	7,212	75.7	81,033	0.5	39	4,079	42.8	46,246	0.8	56	1,392	14.6	15,630	0.5	19
45-64	11,357	76.7	126,570	0.6	38	4,514	30.5	50,852	0.8	48	5,533	37.4	61,086	0.6	23
65-74	392	34.9	3,956	0.5	27	151	13.5	1,577	0.7	36	513	45.7	5,072	0.6	24
75-84	184	31.3	1,954	0.5	26	58	9.9	648	0.7	27	302	51.4	3,206	0.6	25
85 and older	50	18.6	523	0.6	24	17	6.3	162	0.6	15	101	37.5	1,089	0.7	27
<b>Other Eligibles</b>	28,367	44.3	306,733	0.6	33	7,893	12.3	85,663	0.8	30	28,512	44.5	309,556	0.7	24
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	1	16.7	9	0.1	8	0	0.0	0	0.0	0	1	16.7	10	0.4	7
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	4	30.8	32	0.4	18
21-44	171	38.6	1,613	0.4	29	41	9.3	393	0.6	39	34	7.7	345	0.6	21
45-64	598	58.8	6,747	0.6	33	202	19.9	2,323	0.8	37	462	45.4	5,230	0.6	24
65-74	8,462	44.1	94,323	0.6	31	2,822	14.7	31,474	0.8	35	9,353	48.8	103,498	0.6	24
75-84	9,956	44.1	107,537	0.7	33	2,901	12.8	31,181	0.8	29	10,751	47.6	117,387	0.7	24
85 and older	9,179	44.2	96,504	0.7	35	1,927	9.3	20,292	0.8	25	7,907	38.1	83,054	0.7	23
<b>Male</b>	20,557	42.0	220,724	0.6	36	12,058	24.6	132,779	0.8	52	16,507	33.7	174,834	0.6	24
<b>Disabled</b>	12,805	48.5	140,694	0.6	38	8,804	33.3	98,719	0.9	59	7,215	27.3	77,865	0.6	23
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	50.0	12	0.8	5
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	3	100.0	36	0.2	10
15-20	47	43.1	495	0.6	36	31	28.4	359	0.9	77	9	8.3	91	0.5	9
21-44	6,706	51.4	75,274	0.6	39	4,880	37.4	55,408	0.9	63	2,210	16.9	24,990	0.5	21
45-64	5,816	48.1	62,611	0.6	37	3,793	31.4	41,945	0.9	54	4,545	37.6	48,201	0.6	24
65-74	180	23.1	1,705	0.5	26	85	10.9	855	0.7	34	301	38.7	2,943	0.6	25
75-84	40	14.1	428	0.6	19	13	4.6	128	0.6	25	105	37.1	1,121	0.6	22
85 and older	16	15.4	181	0.7	44	2	1.9	24	1.5	53	41	39.4	471	0.7	24
<b>Other Eligibles</b>	7,752	34.3	80,030	0.6	33	3,254	14.4	34,060	0.8	33	9,292	41.2	96,969	0.7	24
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	1	16.7	12	0.8	61	0	0.0	0	0.0	0	1	16.7	3	0.3	2
15-20	4	33.3	37	1.4	56	2	16.7	13	1.0	64	3	25.0	36	0.8	62
21-44	101	40.7	979	0.4	19	36	14.5	384	0.5	24	22	8.9	206	0.4	11
45-64	290	42.7	3,220	0.6	34	158	23.3	1,737	0.9	43	307	45.2	3,445	0.7	25
65-74	2,843	29.8	30,221	0.6	31	1,486	15.6	15,978	0.8	35	3,944	41.3	41,880	0.6	25
75-84	2,785	36.6	28,433	0.6	34	1,095	14.4	11,216	0.8	30	3,346	44.0	34,701	0.7	24
85 and older	1,728	38.7	17,128	0.7	34	477	10.7	4,732	0.8	26	1,669	37.4	16,698	0.7	23
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Table 16B  
Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table 16B 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 1999. 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 1999. 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 16C  
 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, MISSOURI, 1999

Beneficiary Characteristics	ANALGESICS - ANTI-INFLAMMATORY					CALCIUM BLOCKERS					ANTI-DIABETIC				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
<b>All</b>	<b>52,335</b>	<b>37.5 %</b>	<b>589,186</b>	<b>0.4</b>	<b>\$21</b>	<b>31,871</b>	<b>22.9 %</b>	<b>345,965</b>	<b>0.7</b>	<b>\$35</b>	<b>38,853</b>	<b>27.9 %</b>	<b>421,752</b>	<b>0.7</b>	<b>\$28</b>
<b>Female</b>	37,873	41.9	429,125	0.4	22	23,420	25.9	256,092	0.7	35	28,023	31.0	307,612	0.7	28
<b>Disabled</b>	13,513	51.2	153,176	0.3	21	4,821	18.3	53,032	0.6	35	7,636	28.9	84,417	0.7	32
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	2	66.7	24	0.2	11	0	0.0	0	0.0	0
15-20	33	35.5	391	0.2	6	5	5.4	60	0.3	27	2	2.2	22	0.5	16
21-44	4,199	44.1	48,150	0.3	15	799	8.4	9,043	0.5	30	1,370	14.4	15,520	0.6	29
45-64	8,547	57.8	96,729	0.4	24	3,406	23.0	37,665	0.6	36	5,638	38.1	62,588	0.7	33
65-74	459	40.9	4,801	0.4	24	339	30.2	3,374	0.6	35	380	33.9	3,717	0.7	27
75-84	196	33.3	2,227	0.4	25	201	34.2	2,120	0.7	37	188	32.0	1,965	0.7	29
85 and older	79	29.4	878	0.3	16	69	25.7	746	0.7	34	58	21.6	605	0.6	18
<b>Other Eligibles</b>	24,360	38.1	275,949	0.4	23	18,599	29.1	203,060	0.7	35	20,387	31.8	223,195	0.7	26
5 and younger	0	0.0	0	0.0	0	2	100.0	24	0.6	18	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	4	66.7	43	0.5	30	2	33.3	24	0.4	12
15-20	0	0.0	0	0.0	0	3	23.1	28	0.6	54	0	0.0	0	0.0	0
21-44	130	29.3	1,323	0.2	16	21	4.7	218	0.4	22	33	7.4	344	0.5	20
45-64	566	55.7	6,527	0.4	22	317	31.2	3,613	0.7	37	495	48.7	5,657	0.7	32
65-74	9,094	47.4	104,282	0.4	23	5,934	30.9	66,034	0.7	36	8,155	42.5	90,791	0.7	30
75-84	8,838	39.1	100,437	0.4	23	6,949	30.8	76,124	0.7	35	7,690	34.1	84,052	0.7	25
85 and older	5,732	27.6	63,380	0.4	22	5,369	25.8	56,976	0.8	33	4,012	19.3	42,327	0.7	20
<b>Male</b>	14,462	29.5	160,061	0.4	18	8,451	17.3	89,873	0.7	35	10,830	22.1	114,140	0.7	29
<b>Disabled</b>	8,433	31.9	94,029	0.3	16	3,669	13.9	39,469	0.6	37	4,883	18.5	52,120	0.7	33
5 and younger	0	0.0	0	0.0	0	1	50.0	12	1.1	78	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	2	66.7	24	0.4	36	0	0.0	0	0.0	0
15-20	20	18.3	212	0.2	6	7	6.4	64	0.4	31	3	2.8	36	0.6	15
21-44	3,827	29.3	43,641	0.3	11	1,058	8.1	11,826	0.6	36	1,255	9.6	13,964	0.7	31
45-64	4,300	35.6	47,188	0.4	20	2,356	19.5	25,113	0.6	38	3,388	28.0	35,834	0.7	34
65-74	190	24.4	1,958	0.4	20	166	21.3	1,574	0.6	38	171	22.0	1,583	0.6	36
75-84	80	28.3	847	0.4	21	58	20.5	638	0.6	29	54	19.1	577	0.6	25
85 and older	16	15.4	183	0.4	20	21	20.2	218	0.7	33	12	11.5	126	0.5	21
<b>Other Eligibles</b>	6,029	26.7	66,032	0.4	20	4,782	21.2	50,404	0.7	33	5,947	26.3	62,020	0.7	25
5 and younger	0	0.0	0	0.0	0	2	66.7	21	0.3	17	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	4	66.7	48	0.6	47	0	0.0	0	0.0	0
15-20	2	16.7	24	0.1	1	5	41.7	48	0.7	40	1	8.3	12	0.5	20
21-44	75	30.2	724	0.3	12	13	5.2	134	0.5	23	31	12.5	298	0.5	27
45-64	268	39.5	2,973	0.4	24	152	22.4	1,671	0.7	37	224	33.0	2,461	0.7	33
65-74	2,785	29.1	31,047	0.4	19	2,133	22.3	22,927	0.7	34	2,750	28.8	29,370	0.7	28
75-84	1,919	25.2	20,893	0.4	21	1,673	22.0	17,370	0.7	32	2,036	26.8	20,740	0.7	23
85 and older	980	21.9	10,371	0.4	20	800	17.9	8,185	0.7	30	905	20.3	9,139	0.7	20
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0



Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table 16C 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 1999. 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 1999. 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 16D  
 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, MISSOURI, 1999

Beneficiary Characteristics	ANALGESICS - Narcotic				ANTIASTHMATIC							
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Benes	No. of Bene Mos
<b>All</b>	<b>75,813</b>	<b>54.4 %</b>	<b>828,421</b>	<b>0.4</b>	<b>\$14</b>	<b>53,951</b>	<b>38.7 %</b>	<b>586,916</b>	<b>0.5</b>	<b>\$19</b>	<b>139,412</b>	<b>1,435,120</b>
<b>Female</b>	52,857	58.5	582,958	0.4	13	35,775	39.6	394,237	0.5	18	90,421	944,676
<b>Disabled</b>	19,437	73.6	216,787	0.4	15	12,556	47.5	140,526	0.4	19	26,406	279,926
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	12
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	3	36
15-20	44	47.3	518	0.2	3	15	16.1	180	0.2	5	93	1,022
21-44	6,717	70.5	75,982	0.4	15	3,338	35.0	38,104	0.3	14	9,531	104,205
45-64	11,755	79.4	131,021	0.4	16	8,434	57.0	94,345	0.5	20	14,799	156,606
65-74	546	48.7	5,342	0.4	12	504	44.9	4,978	0.5	22	1,122	9,760
75-84	254	43.2	2,708	0.3	8	194	33.0	2,121	0.5	19	588	5,668
85 and older	121	45.0	1,216	0.3	10	71	26.4	798	0.4	17	269	2,617
<b>Other Eligibles</b>	33,420	52.2	366,171	0.4	12	23,219	36.3	253,711	0.5	18	64,015	664,750
5 and younger	2	100.0	24	0.1	1	1	50.0	12	0.4	10	2	24
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	6	54
15-20	3	23.1	28	0.1	1	1	7.7	12	0.4	28	13	96
21-44	215	48.5	2,159	0.3	9	89	20.1	904	0.3	10	443	3,522
45-64	675	66.4	7,721	0.4	17	598	58.8	6,778	0.5	21	1,017	11,137
65-74	11,158	58.2	124,753	0.4	11	9,262	48.3	103,201	0.5	21	19,181	203,061
75-84	11,815	52.3	130,203	0.4	13	7,741	34.3	84,178	0.5	18	22,580	236,456
85 and older	9,552	46.0	101,283	0.4	12	5,527	26.6	58,626	0.4	13	20,773	210,400
<b>Male</b>	22,956	46.9	245,463	0.4	15	18,176	37.1	192,679	0.5	21	48,991	490,444
<b>Disabled</b>	13,689	51.8	148,988	0.4	18	7,677	29.1	83,229	0.5	20	26,416	272,824
5 and younger	0	0.0	0	0.0	0	2	100.0	24	0.3	8	2	24
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	3	36
15-20	24	22.0	259	0.2	5	18	16.5	180	0.4	16	109	1,090
21-44	6,375	48.9	71,461	0.4	18	2,372	18.2	26,860	0.4	14	13,047	140,770
45-64	6,846	56.6	72,907	0.4	18	4,861	40.2	51,984	0.5	23	12,090	121,373
65-74	316	40.6	3,072	0.4	10	263	33.8	2,506	0.5	23	778	6,059
75-84	98	34.6	991	0.4	10	113	39.9	1,201	0.5	20	283	2,478
85 and older	30	28.8	298	0.3	17	48	46.2	474	0.4	16	104	994
<b>Other Eligibles</b>	9,267	41.0	96,475	0.4	11	10,499	46.5	109,450	0.6	21	22,575	217,620
5 and younger	1	33.3	12	0.1	1	0	0.0	0	0.0	0	3	33
6-14	1	16.7	12	0.1	1	1	16.7	12	0.2	3	6	63
15-20	2	16.7	18	0.1	1	0	0.0	0	0.0	0	12	88
21-44	140	56.5	1,389	0.4	14	25	10.1	237	0.3	9	248	1,866
45-64	323	47.6	3,515	0.4	21	332	48.9	3,767	0.5	23	679	6,885
65-74	4,219	44.2	44,763	0.4	11	4,840	50.6	51,217	0.6	22	9,556	94,240
75-84	2,861	37.6	29,518	0.4	10	3,623	47.7	37,570	0.6	21	7,603	72,782
85 and older	1,720	38.5	17,248	0.4	9	1,678	37.6	16,647	0.5	17	4,468	41,663
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0

Table 16D

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

- a. Table 16D 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 1999. 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 1999. 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 17  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

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>\$229</b>	<b>6.2</b>	<b>22,188</b>	<b>237,922</b>
<b>Age</b>				
0-64	335	7.2	1,593	18,188
65-74	288	7.1	2,841	30,908
75-84	243	6.5	7,043	74,756
85 and older	186	5.6	10,711	114,070
Unknown	0	0.0	0	0
<b>Gender</b>				
Female	221	6.2	16,663	180,146
Male	254	6.3	5,525	57,776
Unknown	0	0.0	0	0
<b>Race</b>				
White	233	6.3	19,478	207,787
African American	197	5.2	2,530	28,370
Other/unknown	211	6	180	1,765
<b>Basis of Eligibility</b>				
Aged	220	6.1	20,628	220,323
Disabled	330	7.2	1,559	17,587
Adults	0	0.0	0	0
Children	126	4.5	1	12
Unknown	0	0.0	0	0

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table 17 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their 1999 Medicaid enrollment. A total of 14,008 beneficiaries who were in nursing facilities for part of their enrollment and their 126,295 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.

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 18

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, MISSOURI, 1999

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		
		Brand-Name	Generic		Brand-Name	Generic		Brand-Name	Generic							
Anti-infective Agents	0.4	0.2	0.0	0.2	\$13	\$0	\$2	\$44	\$69	\$36	\$14	62,516	\$2,753,891	16,032	72.3 %	177,917
Biologics	0.1	0.1	0.0	0.0	1	0	0	11	9	0	19	1,339	15,197	1,250	5.6	14,155
Antineoplastic Agents	0.6	0.1	0.2	0.2	56	24	9	101	186	121	38	5,261	529,428	869	3.9	9,471
Endocrine/Metabolic Drugs	1.0	0.4	0.1	0.5	23	16	2	22	41	13	10	103,386	2,309,589	9,004	40.6	98,463
Cardiovascular Agents	1.9	0.5	0.5	1.0	42	17	13	22	38	28	12	326,838	7,301,973	15,909	71.7	172,164
Respiratory Agents	0.7	0.3	0.0	0.4	20	12	1	30	46	28	20	78,780	2,356,550	10,483	47.2	116,325
Gastrointestinal Agents	1.0	0.4	0.1	0.5	54	35	6	55	93	70	24	119,098	6,550,495	10,993	49.5	121,417
Genitourinary Agents	0.6	0.3	0.0	0.3	20	14	0	36	54	35	20	26,577	953,229	4,250	19.2	47,461
CNS Drugs	1.6	0.8	0.2	0.6	91	67	15	59	84	82	15	260,451	15,252,877	15,401	69.4	167,932
Stimulants/Anti-obesity/Anorexia	0.6	0.0	0.3	0.2	34	5	26	59	121	77	12	102	6,012	16	0.1	179
Miscellaneous Psychological/Neurological Agents	0.8	0.7	0.0	0.0	85	84	0	111	114	0	38	12,182	1,348,342	1,501	6.8	15,810
Analgesics and Anesthetics	0.8	0.2	0.1	0.5	29	17	4	34	71	60	13	94,651	3,232,391	10,250	46.2	112,389
Neuromuscular Agents	1.2	0.3	0.2	0.6	51	24	12	42	74	48	23	95,066	3,995,753	7,045	31.8	78,333
Nutritional Products	0.8	0.0	0.3	0.4	13	0	7	18	14	23	15	75,464	1,350,119	9,163	41.3	100,242
Hematological Agents	1.0	0.1	0.4	0.5	28	10	8	28	122	22	18	66,803	1,877,987	6,182	27.9	67,195
Topical Products	0.5	0.2	0.1	0.2	15	9	3	29	47	33	12	73,745	2,152,433	13,041	58.8	146,414
Miscellaneous Products	0.3	0.0	0.0	0.2	7	1	1	26	51	156	21	4,037	103,371	1,349	6.1	14,771
Unknown Therapeutic Category	0.5	0.0	0.0	0.0	17	0	0	33	0	0	0	70,126	2,281,691	11,802	53.2	132,662
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.	1,476,422	54,371,328	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

- a. Table 18 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 1999. A total of 14,008 beneficiaries who were in nursing facilities for part of their enrollment and their 126,295 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 1999. 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 Missouri, 5.2 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.

Table 18

Dual Eligible 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; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

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, MISSOURI, 1999

Beneficiary Characteristics	No. of Benes					No. of Bene Mos					
	All	Aged	Disabled	Adults	Children	All	Aged	Disabled	Adults	Children	Unknown
<b>All</b>	<b>139,483</b>	<b>85,638</b>	<b>52,826</b>	<b>971</b>	<b>48</b>	<b>1,437,008</b>	<b>875,015</b>	<b>553,214</b>	<b>8,264</b>	<b>515</b>	<b>0</b>
<b>Age</b>											
5 and younger	8	0	3	0	5	96	0	36	0	60	0
6-14	18	0	6	0	12	198	0	72	0	126	0
15-20	231	0	202	4	25	2,443	0	2,135	47	261	0
21-44	23,320	0	22,581	735	4	251,662	0	245,289	6,329	44	0
45-64	28,600	1,507	26,890	203	0	296,398	16,622	278,106	1,670	0	0
65-74	30,638	28,713	1,900	25	0	313,153	297,151	15,819	183	0	0
75-84	31,054	30,179	871	4	0	317,384	309,203	8,146	35	0	0
85 and older	25,614	25,239	373	0	2	255,674	252,039	3,611	0	24	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Gender</b>											
Female	90,466	63,480	26,407	557	22	945,983	660,477	280,279	4,989	238	0
Male	49,017	22,158	26,419	414	26	491,025	214,538	272,935	3,275	277	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Race</b>											
White	113,009	70,567	41,720	694	28	1,156,014	714,160	435,685	5,876	293	0
African American	24,544	13,610	10,660	255	19	261,199	145,634	113,117	2,238	210	0
Other/unknown	1,930	1,461	446	22	1	19,795	15,221	4,412	150	12	0
<b>Use of Nursing Facilities</b>											
All year	22,188	20,628	1,559	0	1	237,922	220,323	17,587	0	12	0
Part year	14,009	12,723	1,285	0	1	126,307	113,641	12,654	0	12	0
None	103,286	52,287	49,982	971	46	1,072,779	541,051	522,973	8,264	491	0
<b>Maintenance Assistance Status</b>											
Cash	36,379	18,935	17,143	292	9	418,362	218,010	197,575	2,681	96	0
Medically needy	0	0	0	0	0	0	0	0	0	0	0
Poverty related	7,529	3,903	3,535	67	24	67,473	31,558	35,159	503	253	0
Other/unknown	95,575	62,800	32,148	612	15	951,173	625,447	320,480	5,080	166	0
<b>Dual Status<sup>c</sup></b>											
Full dual, all year	127,346	79,736	46,660	902	48	1,317,410	821,137	488,250	7,508	515	0
Full dual, part year	12,137	5,902	6,166	69	0	119,598	53,878	64,964	756	0	0
<b>Managed Care Status</b>											
FFS all year	139,120	85,637	52,721	735	27	1,433,512	875,004	552,062	6,146	300	0
FFS part year, with Rx claims	180	0	80	93	7	1,836	0	893	872	71	0
FFS part year, no Rx claims	112	1	21	83	7	1,035	11	211	741	72	0
MC all year, with Rx claims	13	0	4	7	2	135	0	48	63	24	0
MC all year, no Rx claims	58	0	0	53	5	490	0	0	442	48	0

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

a. Table A.3 includes the beneficiaries represented by Cell F of Table 1. Benefit months are months during which beneficiaries had pharmacy benefit.

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. The "Full dual, all year" group contains beneficiaries who had Medicare as well as Medicaid pharmacy benefits during all months of Medicaid enrollment in 1999. 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 Mo(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  
 DUAL ELIGIBLE BENEFICIARIES, MISSOURI, 1999

Beneficiary Characteristics	Benees and					
	Bene Mos in Cell F of Table 1	Included in Cell G of Table 1		Excluded from Cell G of Table 1		
	No. of Benees	No. of Bene Mos	No. of Benees	No. of Bene Mos	No. of Benees	No. of Bene Mos
<b>All</b>	<b>139,483</b>	<b>1,437,008</b>	<b>139,412</b>	<b>1,435,120</b>	<b>71</b>	<b>1,888</b>
FFS all year	139,120	1,433,512	139,120	1,433,512	0	0
FFS part year, with Rx claims	180	1,836	180	1,071	0	765
FFS part year, with no Rx claims	112	1,035	112	537	0	498
MC all year, with Rx claims	13	135	0	0	13	135
MC all year, with no Rx claims	58	490	0	0	58	490

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 06/25/2004.

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.

SUPPLEMENTAL TABLE 1  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES<sup>a, b</sup>  
 MISSOURI, 1999

Total Number of Dual Eligible Beneficiaries 139,412  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries \$310,158,540  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary \$2,225

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	13,851	9.9 %	\$0	0.0 %
1-500	28,012	20.1	6,087,658	2.0
501-1,000	17,969	12.9	13,317,139	4.3
1,001-1,500	14,290	10.3	17,761,705	5.7
1,501-2,000	11,942	8.6	20,805,615	6.7
2,001-2,500	9,847	7.1	22,108,755	7.1
2,501-3,000	8,164	5.9	22,400,301	7.2
3,001-3,500	6,565	4.7	21,280,548	6.9
3,501-4,000	5,359	3.8	20,030,372	6.5
4,001-4,500	4,207	3.0	17,846,302	5.8
4,501-5,000	3,462	2.5	16,415,084	5.3
5,001-5,500	2,799	2.0	14,666,538	4.7
5,501-6,000	2,290	1.6	13,142,603	4.2
6,001-6,500	1,792	1.3	11,186,662	3.6
6,501-7,000	1,458	1.0	9,827,033	3.2
7,001-7,500	1,228	0.9	8,891,760	2.9
7,501-8,000	898	0.6	6,950,743	2.2
8,001-8,500	727	0.5	5,994,045	1.9
8,501-9,000	679	0.5	5,932,171	1.9
9,001-9,500	558	0.4	5,154,007	1.7
9,501-10,000	466	0.3	4,541,324	1.5
10,001+	2,849	2.0	45,818,175	14.8

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 10/26/2004.

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 1999.

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





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SUPPLEMENTAL TABLE 1D  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 85 AND OLDER<sup>a, b</sup>  
 MISSOURI, 1999

Total Number of Dual Eligible Beneficiaries, Age 85+ 25,614  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 85+ \$41,410,402  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 85+ \$1,617

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 85+	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	1,555	6.1 %	0	0.0 %
1-500	5,681	22.2	1,344,908	3.2
501-1,000	4,187	16.3	3,123,056	7.5
1,001-1,500	3,474	13.6	4,326,037	10.4
1,501-2,000	2,665	10.4	4,633,030	11.2
2,001-2,500	2,209	8.6	4,951,764	12.0
2,501-3,000	1,667	6.5	4,570,284	11.0
3,001-3,500	1,218	4.8	3,942,463	9.5
3,501-4,000	879	3.4	3,281,845	7.9
4,001-4,500	632	2.5	2,677,368	6.5
4,501-5,000	443	1.7	2,099,403	5.1
5,001-5,500	307	1.2	1,608,082	3.9
5,501-6,000	229	0.9	1,312,142	3.2
6,001-6,500	127	0.5	791,895	1.9
6,501-7,000	99	0.4	667,948	1.6
7,001-7,500	71	0.3	511,819	1.2
7,501-8,000	48	0.2	371,184	0.9
8,001-8,500	29	0.1	237,134	0.6
8,501-9,000	27	0.1	236,410	0.6
9,001-9,500	24	0.1	221,479	0.5
9,501-10,000	10	0.0	97,364	0.2
10,001+	33	0.1	404,787	1.0

Source: Data for this table are from the MAX 1999 file for Missouri, released by CMS in 10/2003. This table was produced on 10/26/2004.

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 1999.

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