

STATISTICAL COMPENDIUM: MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 1999 ALABAMA

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TABLE 1
OVERVIEW OF BENEFICIARY SELECTION CRITERIA FOR STUDY POPULATION
ALABAMA, 1999

Inclusion Criteria (1999)	No. of Dual and Non-dual Eligible Benes (Cell)	No. of Dual Eligible Benes (Cell) ^g
1. Benes who were eligible for Medicaid during at least one month ^a	657,495 (A)	152,607 (E)
2. Benes who had Medicaid pharmacy benefits during at least one month ^b	614,482 (B)	110,900 (F)
3. Benes who had fee-for-service pharmacy benefit coverage during at least one month ^{c, d, e}	607,377 (C)	109,483 (G)
4. Benes who were all-year nursing facility residents ^f	13,917 (D)	13,139 (H)

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

- a. MAX data element "Eligible Months Count" was used to determine an individual's Medicaid eligibility. All individuals who had a value greater than zero were considered as beneficiaries and counted in Cell A.
- b. Counts in Cell B were obtained by excluding from Cell A beneficiaries who never had pharmacy benefit coverage during their Medicaid enrollment in 1999 (based on MAX data element "Eligible Restricted Benefits Flag"). Characteristics of beneficiaries represented by Cell B are shown in Appendix Table A.1.
- c. Cell C represents the study population for Tables 2 through 7D. Cell C was obtained by excluding from Cell B beneficiaries who were under MC plans during all months of Medicaid eligibility in 1999, because the MAX files would not include separate prescription drug claims for those beneficiaries. MC plans include HMOs, PHPs, or other MC organizations that provided pharmacy benefits under capitation arrangements. Beneficiaries included are those who were in fee-for-service, PCCM, or PHP plans in selected states. Beneficiaries in PHPs were included if they were in one of 18 states where no PHP in the state provided a pharmacy benefit (see footnote e). For all other states, beneficiaries in PHPs were excluded. For example, if a beneficiary was under fee-for-service, PCCM, or PHPs in one of the 18 states for three months of the year but enrolled in an MC plan for the remaining nine months, only the three months were counted toward the number of benefit months associated with the beneficiary. Therefore, benefit months included represent the benefit months with fee-for-service pharmacy benefits. Beneficiaries and their benefit months included and excluded based on this criterion are shown in Appendix Table A.2.
- d. The total Medicaid pharmacy reimbursement for Alabama in 1999 was \$281,557,579, of which \$1,675,794 was excluded from our analysis because those claims were made for beneficiaries who were outside the study population or took place during months that were excluded from the analysis.
- e. The 18 states where no PHP provided a pharmacy benefit in 1999 were AL, AR, CO, FL, GA, IA, IL, KY, MA, MI, MT, NE, NY, NC, OR, PA, UT, and WI. This list was constructed based on consultation with CMS staff and two CMS documents, which can be found at <http://www.cms.hhs.gov/medicaid/managedcare/mmcms699.asp> and at <http://www.cms.hhs.gov/medicaid/managedcare/mmcms99.asp>.
- f. Cell D represents the study population for Tables 8 through 10D. All-year nursing facility residents are the beneficiaries who resided in nursing facilities throughout their enrollment in 1999. These beneficiaries were identified by comparing the number of months during which the MAX files contained at least one claim from nursing facilities to the number of Medicaid eligible months. If the former is greater than or equal to the latter, the beneficiary was considered an all-year resident. If the former is less than the latter but not equal to zero, the beneficiary was considered a part-year resident. Part-year residents were excluded from the analysis because they are likely to be short-term residents and the level and pattern of their pharmacy benefit use may differ substantially from longer-term residents. The number of part-year residents and their benefit months are presented in footnotes to Tables 8 through 10D. Residents of mental hospitals for the aged, inpatient psychiatric facilities for individuals under age 21, or intermediate care facilities for the mentally retarded were excluded from the analysis.
- g. Pharmacy benefit use and reimbursement among full dual eligible beneficiaries are presented in Tables 11 through 18. To determine Medicaid-Medicare dual eligibility status, two MAX data elements ("Eligible Medicare Crossover Code -- Annual New Values" and "Eligible Restricted Benefits Flag") were used in combination. Beneficiaries represented in Cell G, the dual study population, include all dual eligible beneficiaries who had a fee-for-service pharmacy benefit at least during one month in 1999. All benefit months of such dual eligible beneficiaries, of which 1.9 percent were restricted benefit months without a pharmacy benefit in Alabama, were used in the dual tables. Characteristics of dual eligible beneficiaries represented by Cell F are shown in Appendix Table A.3, and characteristics of beneficiaries and their benefit months included in Cell F but excluded from Cell G are shown in Appendix Table A.4.
- Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; HMO = health maintenance organization; MAX = Medicaid Analytic Extract; MC = managed care; PCCM = primary care case management; PHP = prepaid health plan.

TABLE 2
 CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY^{a, b}
 ALABAMA, 1999

Beneficiary Characteristics	No. of Benes							No. of Bene Mos											
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown	
All	607,377	52,799	161,480	49,817	343,281	0	5,803,873	568,533	1,719,735	365,794	3,149,811	0	5,803,873	568,533	1,719,735	365,794	3,149,811	0	
Age																			
5 and younger	162,745	0	5,805	0	156,940	0	1,462,270	0	58,705	0	1,403,565	0	1,462,270	0	58,705	0	1,403,565	0	
6-14	152,721	0	17,625	0	135,096	0	1,495,207	0	188,439	0	1,306,768	0	1,495,207	0	188,439	0	1,306,768	0	
15-20	63,986	0	12,965	437	50,584	0	574,529	0	134,512	3,596	436,421	0	574,529	0	134,512	3,596	436,421	0	
21-44	99,216	0	50,920	47,637	659	0	891,643	0	540,754	347,838	3,051	0	891,643	0	540,754	347,838	3,051	0	
45-64	54,022	14	52,292	1,715	1	0	563,490	63	549,269	14,155	3	0	563,490	63	549,269	14,155	3	0	
65-74	27,017	12,572	14,430	15	0	0	300,583	136,330	164,153	100	0	0	300,583	136,330	164,153	100	0	0	
75-84	25,314	19,490	5,820	3	1	0	278,930	212,859	66,038	30	3	0	278,930	212,859	66,038	30	3	0	
85 and older	22,356	20,723	1,623	10	0	0	237,221	219,281	17,865	75	0	0	237,221	219,281	17,865	75	0	0	
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender																			
Female	355,995	42,085	89,808	48,458	175,644	0	3,378,697	456,696	968,106	355,905	1,597,990	0	3,378,697	456,696	968,106	355,905	1,597,990	0	
Male	245,446	10,712	71,668	1,359	161,707	0	2,380,901	111,813	751,590	9,889	1,507,609	0	2,380,901	111,813	751,590	9,889	1,507,609	0	
Unknown	5,936	2	4	0	5,930	0	44,275	24	39	0	44,212	0	44,275	24	39	0	44,212	0	
Race																			
White	257,596	28,922	66,517	20,973	141,184	0	2,465,470	305,607	716,560	148,346	1,294,957	0	2,465,470	305,607	716,560	148,346	1,294,957	0	
African American	315,855	18,157	77,767	27,961	191,970	0	3,010,168	199,434	831,803	211,720	1,767,211	0	3,010,168	199,434	831,803	211,720	1,767,211	0	
Other/unknown	33,926	5,720	17,196	883	10,127	0	328,235	63,492	171,372	5,728	87,643	0	328,235	63,492	171,372	5,728	87,643	0	
Use of Nursing Facilities																			
All year	13,917	10,977	2,939	1	0	0	158,003	124,191	33,809	3	0	0	158,003	124,191	33,809	3	0	0	
Part year	10,770	8,856	1,913	1	0	0	97,757	79,162	18,583	12	0	0	97,757	79,162	18,583	12	0	0	
None	582,690	32,966	156,628	49,815	343,281	0	5,548,113	365,180	1,667,343	365,779	3,149,811	0	5,548,113	365,180	1,667,343	365,779	3,149,811	0	
Maintenance Assistance Status																			
Cash	285,309	33,672	150,841	22,131	78,665	0	2,856,219	365,615	1,604,213	182,922	703,469	0	2,856,219	365,615	1,604,213	182,922	703,469	0	
Medically needy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poverty-related	287,555	1,290	1,250	26,979	258,036	0	2,587,883	13,683	12,581	180,134	2,381,485	0	2,587,883	13,683	12,581	180,134	2,381,485	0	
Other/unknown	34,513	17,837	9,389	707	6,580	0	359,771	189,235	102,941	2,738	64,857	0	359,771	189,235	102,941	2,738	64,857	0	
Dual Medicare Status^c																			
Full dual, all year	105,243	49,110	55,782	346	5	0	1,156,749	529,882	624,084	2,738	45	0	1,156,749	529,882	624,084	2,738	45	0	
Full dual, part year	4,240	2,530	1,695	15	0	0	45,454	27,318	17,981	155	0	0	45,454	27,318	17,981	155	0	0	
Non-dual, all year	497,894	1,159	104,003	49,456	343,276	0	4,601,670	11,333	1,077,670	362,901	3,149,766	0	4,601,670	11,333	1,077,670	362,901	3,149,766	0	
Managed Care Status																			
FFS all year	561,900	52,107	150,918	45,395	313,480	0	5,631,338	564,787	1,680,945	348,465	3,037,141	0	5,631,338	564,787	1,680,945	348,465	3,037,141	0	
FFS part year, with Rx claims	18,677	591	6,584	1,831	9,671	0	79,677	3,215	25,546	9,016	41,900	0	79,677	3,215	25,546	9,016	41,900	0	
FFS part year, no Rx claims	26,800	101	3,978	2,591	20,130	0	92,858	531	13,244	8,313	70,770	0	92,858	531	13,244	8,313	70,770	0	

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

Table 2

All Medicaid Beneficiaries

a. Table 2 includes the beneficiaries represented by Cell C 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. 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. The "Non-dual, all year" group includes beneficiaries who were never dually eligible or dually eligible but never had Medicaid fee-for-service pharmacy benefits. 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 3
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC^{a,b}
 ALABAMA, 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 \$ ^c	No. of Benef
All	69.1 %	13.5	\$461	\$34	\$2,597	17.7 %	\$13	607,377
Age								
5 and younger	67.9	4.7	112	24	630	17.8	2	162,745
6-14	57.2	4.1	151	37	688	21.9	4	152,721
15-20	59.7	4.4	162	37	1,315	12.3	4	63,986
21-44	71.6	13.1	560	43	2,705	20.7	10	99,216
45-64	84.0	37.3	1,361	37	4,800	28.4	44	54,022
65-74	87.0	40.9	1,327	32	5,936	22.4	50	27,017
75-84	91.1	44.1	1,382	31	10,052	13.7	45	25,314
85 and older	93.1	43.0	1,269	30	15,339	8.3	39	22,356
Unknown	0.0	0.0	0	0	0	0.0	0	0
Basis of Eligibility								
Aged	89.2	40.4	1,250	31	11,354	11.0	40	52,799
Disabled	79.2	27.3	1,075	39	4,313	24.9	32	161,480
Adults	67.9	5.8	142	24	1,421	10.0	3	49,817
Children	61.5	3.9	97	25	613	15.8	1	343,281
Unknown	0.0	0.0	0	0	0	0.0	0	0
Gender								
Female	72.3	16.3	533	33	3,033	17.6	16	355,995
Male	64.9	9.5	366	38	2,013	18.2	8	245,446
Unknown	50.1	2.6	53	20	576	9.1	1	5,936
Race								
White	75.9	17.6	614	35	3,691	16.6	14	257,596
African American	63.3	9.2	303	33	1,733	17.5	11	315,855
Other/unknown	71.6	21.1	765	36	2,326	32.9	22	33,926
Use of Nursing Facilities								
Entire year	98.7	64.1	2,090	33	33,567	6.2	78	13,917
Part year	91.5	38.5	1,316	34	16,798	7.8	44	10,770
None	68.0	11.8	406	35	1,594	25.5	11	582,690
Maintenance Assistance Status								
Cash	72.2	19.8	720	36	2,570	28.0	21	285,309
Medically needy	0.0	0.0	0	0	0	0.0	0	0
Poverty related	64.5	4.2	102	24	694	14.6	2	287,555
Other/unknown	82.1	38.0	1,312	35	18,669	7.0	43	34,513

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

Table 3

All Medicaid Beneficiaries

a. Table 3 includes beneficiaries represented by Cell C 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 4
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC^{a,b}
 ALABAMA, 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				1.0 %
All	1.4	\$48	17.7 %	30.9 %	46.0 %	7.2 %	9.8 %	5.1 %	1.0 %	\$272	607,377	5,803,873
Age												
5 and younger	0.5	12	17.8	32.1	60.8	5.4	1.5	0.1	0.0	70	162,745	1,462,270
6-14	0.4	15	21.9	42.8	51.1	3.9	2.0	0.2	0.0	70	152,721	1,495,207
15-20	0.5	18	12.3	40.3	52.5	4.6	2.3	0.3	0.0	146	63,986	574,529
21-44	1.5	62	20.7	28.4	45.5	9.7	11.6	4.0	0.7	301	99,216	891,643
45-64	3.6	131	28.4	16.0	20.7	12.6	28.3	18.1	4.2	460	54,022	563,490
65-74	3.7	119	22.4	13.0	18.7	12.9	31.3	20.1	4.1	534	27,017	300,583
75-84	4.0	125	13.7	8.9	16.0	13.0	35.2	22.9	4.0	912	25,314	278,930
85 and older	4.0	120	8.3	6.9	15.8	13.7	37.1	23.2	3.4	1,446	22,356	237,221
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Basis of Eligibility												
Aged	3.8	116	11.0	10.8	17.3	13.6	34.2	20.7	3.4	1,054	52,799	568,533
Disabled	2.6	101	24.9	20.8	31.4	11.7	21.7	11.9	2.5	405	161,480	1,719,735
Adults	0.8	19	10.0	32.1	55.2	7.2	4.5	0.9	0.1	194	49,817	365,794
Children	0.4	11	15.8	38.5	56.0	4.2	1.2	0.0	0.0	67	343,281	3,149,811
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Gender												
Female	1.7	56	17.6	27.7	44.7	7.6	11.8	6.8	1.4	320	355,995	3,378,697
Male	1.0	38	18.2	35.1	47.9	6.7	7.1	2.8	0.4	208	245,446	2,380,901
Unknown	0.3	7	9.1	49.9	46.3	3.1	0.7	0.0	0.0	77	5,936	44,275
Race												
White	1.8	64	16.6	24.1	46.7	8.5	11.9	7.3	1.6	386	257,596	2,465,470
African American	1.0	32	17.5	36.7	46.8	6.0	7.3	2.8	0.4	182	315,855	3,010,168
Other/unknown	2.2	79	32.9	28.4	34.6	9.3	16.8	9.2	1.8	240	33,926	328,235
Use of Nursing Facilities												
Entire year	5.6	184	6.2	1.3	7.5	9.4	35.8	36.6	9.4	2,957	13,917	158,003
Part year	4.2	145	7.8	8.5	14.8	13.5	36.2	23.3	3.7	1,851	10,770	97,757
None	1.2	43	25.5	32.0	47.5	7.1	8.7	4.0	0.7	167	582,690	5,548,113
Maintenance Assistance Status												
Cash	2.0	72	28.0	27.8	36.5	9.6	16.4	8.2	1.5	257	285,309	2,856,219
Medically needy	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Poverty related	0.5	11	14.6	35.5	58.3	4.6	1.4	0.1	0.0	77	287,555	2,587,883
Other/unknown	3.6	126	7.0	17.9	22.3	9.6	25.0	20.5	4.7	1,791	34,513	359,771

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

Table 4

All Medicaid Beneficiaries

- a. Table 4 includes the beneficiaries represented by Cell C 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 5
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC^{a, b, c}
 ALABAMA, 1999

Beneficiary Characteristics	All Rx		Patented Brand-Name Drugs		Off-Patent Brand-Name Drugs		Generic Drugs	
	No. of Rx	Rx \$	No. of Rx	\$ per Rx	No. of Rx	Rx \$	No. of Rx	Rx \$
All	1.4	\$48	0.5	\$30	0.2	\$7	0.7	\$10
Age								
5 and younger	0.5	12	0.2	8	0.0	1	0.3	3
6-14	0.4	15	0.2	11	0.0	1	0.2	3
15-20	0.5	18	0.2	12	0.0	2	0.3	3
21-44	1.5	62	0.5	41	0.2	8	0.8	11
45-64	3.6	131	1.2	81	0.4	18	1.8	24
65-74	3.7	119	1.2	71	0.5	18	1.8	24
75-84	4.0	125	1.2	71	0.6	21	2.0	27
85 and older	4.0	120	1.1	65	0.6	20	2.1	28
Unknown	0.0	0	0.0	0	0.0	0	0.0	0
Basis of Eligibility								
Aged	3.8	116	1.1	66	0.6	19	1.8	25
Disabled	2.6	101	0.9	64	0.3	14	1.3	18
Adults	0.8	19	0.2	11	0.1	2	0.5	5
Children	0.4	11	0.1	7	0.0	1	0.2	3
Unknown	0.0	0	0.0	0	0.0	0	0.0	0
Gender								
Female	1.7	56	0.6	34	0.2	8	0.9	11
Male	1.0	38	0.3	24	0.1	5	0.5	7
Unknown	0.3	7	0.1	4	0.0	0	0.2	2
Race								
White	1.8	64	0.6	39	0.2	9	0.9	13
African American	1.0	32	0.3	20	0.1	4	0.5	6
Other/unknown	2.2	79	0.7	49	0.3	11	1.1	15
Use of Nursing Facilities								
Entire year	5.6	184	1.7	106	0.9	30	2.9	40
Part year	4.2	145	1.3	86	0.6	23	2.1	30
None	1.2	43	0.4	27	0.1	6	0.6	8
Maintenance Assistance Status								
Cash	2.0	72	0.7	45	0.2	10	1.0	14
Medically needy	0.0	0	0.0	0	0.0	0	0.0	0
Poverty related	0.5	11	0.2	7	0.0	1	0.2	3
Other/unknown	3.6	126	1.1	75	0.5	20	1.8	25

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 5 includes the beneficiaries represented by Cell C 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 5

All Medicaid 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 Alabama, 4.9 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 (May 13 2003).

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

TABLE 6
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d}
 ALABAMA, 1999

Therapeutic Category	No. of Rx per Bene Mo among Users				\$ per Bene Mo among Users				Total No. of Rx	Total Rx \$	No.	As % of All Benes	No. of Bene Mos				
	Patented		Off-Patent		Patented		Off-Patent										
	Total	Brand-Name	Generic	Total	Brand-Name	Generic	Total	Brand-Name						Generic			
Anti-infective Agents	0.3	0.1	0.0	0.1	\$10	\$8	\$0	\$1	\$36	\$63	\$38	\$11	845,508	\$30,518,506	294,451	48.5%	3,153,491
Biologics	0.1	0.1	0.0	0.0	50	36	4	11	407	377	3,075	385	7,326	2,979,705	5,248	0.9	59,186
Antineoplastic Agents	0.5	0.2	0.1	0.2	58	35	14	8	127	215	133	46	22,981	2,920,877	4,683	0.8	50,653
Endocrine/Metabolic Drugs	0.6	0.3	0.1	0.2	17	13	1	2	30	45	23	11	637,793	19,374,617	104,923	17.3	1,143,282
Cardiovascular Agents	1.4	0.4	0.3	0.6	38	20	10	8	28	46	34	12	1,619,252	44,729,708	105,957	17.4	1,170,720
Respiratory Agents	0.4	0.1	0.0	0.2	9	6	1	3	24	45	17	12	941,068	22,592,737	226,209	37.2	2,440,565
Gastrointestinal Agents	0.5	0.2	0.0	0.3	24	19	1	5	50	97	99	16	414,971	20,775,812	76,894	12.7	848,756
Genitourinary Agents	0.2	0.2	0.0	0.1	8	6	0	1	31	42	21	15	96,564	3,032,686	37,433	6.2	394,664
CNS Drugs	0.8	0.3	0.1	0.4	44	30	9	6	56	99	94	14	920,382	51,116,230	104,541	17.2	1,151,476
Stimulants/Anti-obesity/Anorexia	0.5	0.2	0.1	0.3	18	8	2	8	35	40	44	30	86,086	3,025,843	15,590	2.6	168,664
Miscellaneous Psychological/Neurological Agents	0.6	0.4	0.0	0.2	49	45	0	4	85	115	61	21	30,622	2,610,552	4,838	0.8	53,807
Analgesics and Anesthetics	0.4	0.1	0.0	0.4	9	4	1	4	21	75	43	12	767,485	16,205,559	159,621	26.3	1,728,635
Neuromuscular Agents	0.7	0.2	0.1	0.4	25	16	4	5	39	85	36	15	443,740	17,138,246	61,157	10.1	679,369
Nutritional Products	0.5	0.0	0.2	0.3	8	1	3	3	16	32	23	11	296,588	4,835,943	57,704	9.5	597,696
Hematological Agents	0.5	0.1	0.2	0.3	27	15	5	7	55	276	35	25	181,630	9,949,445	34,715	5.7	362,546
Topical Products	0.3	0.1	0.0	0.1	6	4	1	2	25	39	32	13	444,684	11,284,000	162,241	26.7	1,765,259
Miscellaneous Products	0.5	0.2	0.1	0.2	78	55	15	8	153	286	216	33	18,170	2,785,176	3,247	0.5	35,665
Unknown Therapeutic Category	0.3	0.0	0.0	0.0	11	0	0	0	35	0	0	0	395,757	14,006,143	112,005	18.4	1,240,352
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.	8,170,607	279,881,785	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 6 includes the beneficiaries represented by Cell C 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 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.

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 (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 Alabama, 4.9 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 (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 7
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP^{a, b, c}
 ALABAMA, 1999

Top 10 Drug Groups	Users				Among Users		
	Total Medicaid Rx \$	No. As % of All Benes	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo	
ANTIPSYCHOTICS	\$24,442,805	36,121	5.9 %	404,648	0.6	\$109	\$60
ANTIDEPRESSANTS	19,484,691	77,708	12.8	863,050	0.5	49	23
ULCER DRUGS	16,482,847	73,801	12.2	825,263	0.4	55	20
ANTICONVULSANT	14,113,066	39,568	6.5	442,076	0.6	52	32
ANTIHYPERTENSIVE	13,783,547	67,775	11.2	760,930	0.6	31	18
ANTIDIABETIC	13,661,273	46,789	7.7	523,316	0.7	40	26
CALCIUM BLOCKERS	12,155,382	37,567	6.2	419,825	0.7	44	29
ANTIASTHMATIC	11,329,248	115,432	19.0	1,263,568	0.3	30	9
ANALGESICS - Narcotic	9,661,627	157,535	25.9	1,724,456	0.3	21	6
ANTHYPERLIPIDEMIC	7,813,979	18,151	3.0	206,055	0.6	64	38

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

- a. Table 7 includes the beneficiaries represented by Cell C 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 (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 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^{a,b,c}
 ALABAMA, 1999

Beneficiary Characteristics	All Top 10 Drug Groups					ANTIPSYCHOTICS					ANTIDEPRESSANTS						
	No. of Rx	Rx \$	No. of Users	Users as % of All Benes	No. of Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Mos among Users	Mean No. of Rx	Mean Rx \$
All	3,216,813	\$142,928,465	36,121	5.9 %	404,648	0.6	\$60	77,708	12.8 %	863,050	0.5	\$23					
Female	2,295,711	98,888,451	22,449	6.3	251,534	0.5	54	57,315	16.1	636,269	0.5	23					
Disabled	1,421,839	66,309,226	15,297	17.0	174,147	0.6	63	35,720	39.8	405,785	0.5	24					
5 and younger	6,010	226,133	27	1.1	291	0.4	25	23	0.9	213	0.4	20					
6-14	21,073	1,091,224	370	5.9	4,101	0.5	46	671	10.7	7,603	0.4	19					
15-20	16,540	960,424	364	7.5	4,003	0.4	52	715	14.7	8,006	0.4	22					
21-44	301,970	16,019,833	5,815	21.7	66,475	0.5	66	11,693	43.6	132,876	0.4	23					
45-64	705,475	32,951,216	6,293	19.0	71,210	0.6	68	17,133	51.6	193,487	0.5	25					
65-74	249,278	10,372,783	1,462	14.4	16,948	0.6	53	3,721	36.7	43,285	0.5	22					
75-84	98,184	3,818,863	768	16.5	8,883	0.5	37	1,391	30.0	16,051	0.6	23					
85 and older	23,309	868,750	198	14.5	2,236	0.5	28	373	27.2	4,264	0.5	23					
Other Eligibles	873,872	32,579,225	7,152	2.7	77,387	0.4	33	21,595	8.1	230,484	0.5	22					
5 and younger	31,312	567,831	35	0.0	370	0.2	14	79	0.1	870	0.3	7					
6-14	37,731	1,228,517	304	0.5	3,408	0.3	26	1,520	2.3	16,904	0.3	14					
15-20	26,574	747,211	316	0.9	3,204	0.2	17	1,488	4.3	15,464	0.3	15					
21-44	76,442	2,205,728	696	1.5	6,670	0.2	19	4,311	9.1	40,479	0.3	14					
45-64	10,364	407,291	51	3.5	484	0.3	36	436	30.0	4,294	0.4	18					
65-74	146,194	6,074,731	778	8.6	8,641	0.5	49	2,413	26.8	27,326	0.5	23					
75-84	285,737	11,435,334	2,166	13.7	24,027	0.5	38	5,322	33.8	59,273	0.6	26					
85 and older	259,518	9,912,582	2,806	16.2	30,583	0.5	31	6,026	34.8	65,874	0.6	28					
Male	919,304	44,011,205	13,672	5.6	153,114	0.6	71	20,391	8.3	226,763	0.4	21					
Disabled	654,571	34,705,862	11,198	15.6	126,404	0.6	79	13,891	19.4	156,712	0.4	22					
5 and younger	10,625	410,400	72	2.2	791	0.4	33	62	1.9	656	0.3	9					
6-14	42,149	2,123,881	997	8.8	11,012	0.5	51	1,516	13.4	17,262	0.4	19					
15-20	25,958	1,646,084	767	9.5	8,613	0.5	62	1,026	12.7	11,717	0.4	22					
21-44	203,564	13,431,089	5,525	22.9	62,829	0.7	93	5,226	21.7	59,183	0.4	24					
45-64	271,772	13,025,381	3,059	16.0	34,322	0.7	78	4,824	25.3	53,690	0.5	22					
65-74	78,626	3,231,125	567	13.2	6,515	0.6	53	943	22.0	10,854	0.5	21					
75-84	18,540	710,085	169	14.3	1,874	0.6	39	244	20.7	2,789	0.5	20					
85 and older	3,337	127,817	42	16.6	448	0.4	26	50	19.8	561	0.6	24					
Other Eligibles	264,733	9,305,343	2,474	1.4	26,710	0.4	33	6,500	3.7	70,051	0.4	19					
5 and younger	45,651	892,955	100	0.1	1,149	0.3	19	121	0.2	1,373	0.3	8					
6-14	54,596	1,869,816	686	1.0	7,608	0.4	30	2,524	3.7	28,139	0.3	14					
15-20	13,174	511,285	231	1.4	2,428	0.3	33	779	4.6	8,423	0.3	18					
21-44	5,218	202,777	43	3.9	387	0.3	26	262	23.8	2,365	0.3	15					
45-64	2,413	104,879	14	5.0	138	0.4	61	87	31.3	828	0.3	16					
65-74	43,401	1,791,501	325	9.1	3,523	0.5	46	675	18.9	7,366	0.5	23					
75-84	57,343	2,285,492	535	14.3	5,830	0.5	37	1,097	29.3	11,644	0.5	27					
85 and older	42,937	1,646,638	540	15.9	5,647	0.4	28	955	28.1	9,913	0.6	28					
Unknown	1,798	28,809	0	0.0	0	0.0	0	2	0.0	18	0.8	87					

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 7A includes the beneficiaries represented by Cell C 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 (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 7B
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BOE, AND AGE^{a, b, c}
 ALABAMA, 1999

Beneficiary Characteristics	ULCER DRUGS					ANTICONVULSANT					ANTIHYPERTENSIVE				
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	73,801	12.2 %	825,263	0.4	\$20	39,568	6.5 %	442,076	0.6	\$32	67,775	11.2 %	760,930	0.6	\$18
Female	53,549	15.0	601,904	0.4	21	24,453	6.9	273,216	0.6	29	48,760	13.7	549,146	0.6	18
Disabled	30,688	34.2	352,996	0.4	22	17,648	19.7	199,814	0.6	32	27,944	31.1	318,115	0.6	18
5 and younger	211	8.4	2,218	0.3	15	276	11.0	2,890	0.6	35	46	1.8	465	0.5	6
6-14	313	5.0	3,584	0.3	15	910	14.5	9,986	0.7	45	301	4.8	3,290	0.5	11
15-20	398	8.2	4,585	0.2	12	621	12.8	6,852	0.7	49	138	2.8	1,522	0.5	14
21-44	7,314	27.3	84,174	0.3	18	6,479	24.2	73,416	0.6	35	3,843	14.3	43,706	0.5	14
45-64	15,010	45.2	171,552	0.4	24	6,989	21.0	79,311	0.6	29	14,549	43.8	163,783	0.6	18
65-74	4,765	47.0	55,782	0.4	24	1,596	15.7	18,510	0.6	23	5,908	58.3	68,885	0.6	20
75-84	2,099	45.2	24,469	0.4	24	628	13.5	7,210	0.6	20	2,504	54.0	28,984	0.6	20
85 and older	578	42.2	6,632	0.5	24	149	10.9	1,639	0.6	21	655	47.8	7,480	0.6	18
Other Eligibles	22,861	8.6	248,908	0.4	19	6,805	2.6	73,402	0.6	22	20,816	7.8	231,031	0.6	19
5 and younger	2,025	2.7	19,658	0.2	5	168	0.2	1,822	0.4	15	73	0.1	760	0.4	6
6-14	1,625	2.4	18,087	0.1	6	497	0.7	5,352	0.4	21	336	0.5	3,759	0.4	9
15-20	1,250	3.7	13,129	0.1	7	308	0.9	3,140	0.4	21	211	0.6	2,045	0.2	6
21-44	2,678	5.7	25,928	0.2	11	926	2.0	8,820	0.3	17	1,418	3.0	13,051	0.3	9
45-64	294	20.2	2,937	0.3	16	85	5.9	820	0.5	30	392	27.0	3,859	0.5	14
65-74	2,872	31.9	32,945	0.4	23	944	10.5	10,574	0.6	25	4,225	46.9	48,415	0.6	20
75-84	5,870	37.3	66,763	0.5	24	2,014	12.8	22,498	0.6	24	7,515	47.7	85,591	0.6	20
85 and older	6,247	36.0	69,461	0.5	25	1,863	10.7	20,376	0.6	21	6,646	38.3	73,551	0.7	20
Male	20,000	8.1	221,218	0.3	18	15,113	6.2	168,842	0.6	36	19,014	7.7	211,778	0.6	17
Disabled	12,275	17.1	139,092	0.4	21	12,484	17.4	140,469	0.7	39	13,119	18.3	146,769	0.6	17
5 and younger	278	8.4	3,045	0.3	12	366	11.1	3,965	0.6	38	120	3.6	1,219	0.4	7
6-14	405	3.6	4,647	0.3	13	1,420	12.5	15,894	0.6	40	865	7.6	9,609	0.6	11
15-20	375	4.6	4,240	0.2	14	1,025	12.6	11,336	0.7	48	311	3.8	3,513	0.5	12
21-44	3,701	15.4	42,113	0.3	19	5,381	22.3	61,130	0.7	45	2,729	11.3	30,615	0.5	16
45-64	5,448	28.5	61,224	0.4	23	3,457	18.1	38,630	0.7	32	6,453	33.8	71,362	0.6	18
65-74	1,586	36.9	18,334	0.4	24	640	14.9	7,319	0.7	25	2,008	46.7	23,137	0.6	21
75-84	402	34.1	4,595	0.4	20	171	14.5	1,922	0.6	23	543	46.1	6,288	0.6	19
85 and older	80	31.6	894	0.5	27	24	9.5	273	0.7	21	90	35.6	1,026	0.6	19
Other Eligibles	7,725	4.4	82,126	0.3	14	2,629	1.5	28,373	0.5	21	5,895	3.4	65,009	0.6	17
5 and younger	2,301	3.0	22,694	0.2	5	250	0.3	2,710	0.4	17	187	0.2	2,025	0.4	5
6-14	1,284	1.9	14,319	0.1	6	726	1.1	8,027	0.4	18	1,113	1.6	12,356	0.5	9
15-20	512	3.1	5,524	0.2	8	238	1.4	2,594	0.4	22	147	0.9	1,586	0.4	10
21-44	176	16.0	1,617	0.3	21	113	10.3	954	0.4	27	88	8.0	778	0.4	12
45-64	79	28.4	762	0.3	22	26	9.4	267	0.4	19	62	22.3	555	0.5	15
65-74	925	25.8	10,420	0.4	21	415	11.6	4,617	0.6	24	1,385	38.7	15,676	0.6	20
75-84	1,272	34.0	13,999	0.5	22	468	12.5	5,030	0.7	25	1,652	44.2	18,342	0.6	21
85 and older	1,176	34.7	12,791	0.5	23	393	11.6	4,174	0.6	22	1,261	37.2	13,691	0.6	21
Unknown	252	4.2	2,141	0.2	4	2	0.0	18	0.2	5	1	0.0	6	0.2	4

Table 7B
 All Medicaid Beneficiaries

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

- a. Table 7B includes the beneficiaries represented by Cell C 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 (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 7C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BOE, AND AGE^{a, b, c}
 ALABAMA, 1999

Beneficiary Characteristics	ANTIDIABETIC				CALCIUM BLOCKERS				ANTI-ASTHMATIC						
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	46,789	7.7 %	523,316	0.7	\$26	37,567	6.2 %	419,825	0.7	\$29	115,432	19.0 %	1,263,568	0.3	\$9
Female	37,288	10.5	418,291	0.7	26	29,119	8.2	326,323	0.7	29	64,855	18.2	712,148	0.3	9
Disabled	23,717	26.4	268,738	0.6	28	16,282	18.1	183,943	0.7	30	29,329	32.7	332,938	0.4	13
5 and younger	5	0.2	47	0.6	17	6	0.2	51	0.6	11	1,012	40.4	11,303	0.2	7
6-14	46	0.7	549	0.7	28	16	0.3	183	0.4	16	1,503	24.0	17,127	0.3	12
15-20	129	2.7	1,429	0.5	24	50	1.0	565	0.4	20	756	15.6	8,583	0.3	10
21-44	3,524	13.1	39,809	0.6	25	2,068	7.7	23,214	0.5	23	6,624	24.7	75,017	0.3	10
45-64	13,060	39.3	146,530	0.6	29	8,558	25.8	95,195	0.7	30	13,815	41.6	156,151	0.4	14
65-74	4,823	47.6	55,945	0.7	29	3,557	35.1	41,446	0.7	33	4,072	40.2	47,122	0.4	15
75-84	1,746	37.6	20,053	0.7	25	1,600	34.5	18,476	0.7	32	1,256	27.1	14,329	0.4	13
85 and older	384	28.0	4,376	0.7	23	427	31.2	4,813	0.7	30	291	21.2	3,306	0.4	10
Other Eligibles	13,571	5.1	149,553	0.7	23	12,837	4.8	142,380	0.7	28	35,526	13.3	379,210	0.2	7
5 and younger	22	0.0	195	0.5	19	4	0.0	48	0.3	18	13,078	17.7	139,532	0.2	3
6-14	141	0.2	1,458	0.7	28	25	0.0	260	0.4	15	7,507	11.1	82,455	0.2	7
15-20	179	0.5	1,779	0.5	20	165	0.5	1,505	0.2	7	2,405	7.0	24,648	0.2	6
21-44	1,194	2.5	10,980	0.4	17	1,010	2.1	9,256	0.3	13	3,627	7.7	33,558	0.2	6
45-64	296	20.4	2,809	0.5	21	227	15.6	2,227	0.5	23	266	18.3	2,659	0.4	11
65-74	3,029	33.6	34,484	0.7	26	2,482	27.6	28,328	0.7	31	1,918	21.3	21,756	0.4	13
75-84	5,214	33.1	59,338	0.7	24	4,637	29.4	53,111	0.7	30	3,474	22.1	38,926	0.4	13
85 and older	3,496	20.2	38,510	0.7	20	4,287	24.7	47,645	0.7	29	3,251	18.7	35,676	0.4	12
Male	9,501	3.9	105,025	0.6	26	8,446	3.4	93,478	0.6	28	49,744	20.3	543,878	0.3	9
Disabled	7,090	9.9	79,160	0.6	27	6,195	8.6	68,889	0.6	29	16,559	23.1	186,571	0.4	13
5 and younger	6	0.2	60	0.7	19	7	0.2	78	0.5	16	1,864	56.5	21,387	0.3	8
6-14	50	0.4	567	0.7	26	20	0.2	231	0.4	19	2,998	26.4	34,034	0.3	12
15-20	81	1.0	906	0.8	33	48	0.6	530	0.4	18	1,081	13.3	12,072	0.3	11
21-44	1,550	6.4	17,242	0.6	26	1,323	5.5	14,735	0.5	27	2,545	10.6	28,991	0.3	10
45-64	4,026	21.1	44,544	0.6	28	3,367	17.6	36,772	0.6	29	5,552	29.1	61,461	0.5	16
65-74	1,081	25.2	12,458	0.7	27	1,088	25.3	12,607	0.7	32	1,964	45.7	22,359	0.5	17
75-84	250	21.2	2,884	0.7	23	288	24.4	3,321	0.7	29	469	39.8	5,330	0.5	15
85 and older	46	18.2	499	0.6	19	54	21.3	615	0.8	32	86	34.0	937	0.4	11
Other Eligibles	2,411	1.4	25,865	0.7	23	2,251	1.3	24,589	0.7	28	33,185	19.1	357,307	0.2	6
5 and younger	24	0.0	253	0.3	12	5	0.0	54	0.1	4	18,105	23.4	192,482	0.2	3
6-14	109	0.2	1,191	0.7	25	21	0.0	240	0.2	10	9,990	14.8	109,659	0.2	8
15-20	75	0.4	738	0.8	35	32	0.2	323	0.3	12	1,315	7.8	14,354	0.2	7
21-44	44	4.0	378	0.5	22	53	4.8	471	0.4	15	144	13.1	1,308	0.5	20
45-64	43	15.5	374	0.5	18	44	15.8	381	0.5	25	61	21.9	669	0.3	9
65-74	690	19.3	7,628	0.7	26	675	18.9	7,540	0.6	29	1,091	30.5	12,126	0.4	14
75-84	849	22.7	9,218	0.7	22	813	21.7	9,053	0.7	30	1,388	37.1	15,103	0.5	15
85 and older	577	17.0	6,085	0.6	19	608	17.9	6,527	0.7	26	1,091	32.2	11,606	0.4	12
Unknown	0	0.0	0	0.0	0	2	0.0	24	1.0	51	833	14.0	7,542	0.2	2

Table 7C
 All Medicaid Beneficiaries

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

- a. Table 7C includes the beneficiaries represented by Cell C 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 (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 7D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY, BY SEX, BOE, AND AGE^{a, b, c}
 ALABAMA, 1999

Beneficiary Characteristics	ANALGESICS - Narcotic				ANTIHYPERLIPIDEMIC							
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Benes	No. of Bene Mos
All	157,555	25.9 %	1,724,456	0.3	\$6	18,151	3.0 %	205,955	0.6	\$38	607,377	5,803,873
Female	116,702	32.8	1,267,808	0.3	5	13,940	3.9	158,860	0.6	39	355,995	3,378,697
Disabled	59,462	66.2	682,489	0.3	7	9,465	10.5	107,611	0.6	38	89,808	968,106
5 and younger	192	7.7	2,144	0.1	1	1	0.0	12	0.1	3	2,508	24,875
6-14	667	10.6	7,602	0.1	1	2	0.0	24	0.4	21	6,273	67,287
15-20	1,339	27.6	15,444	0.2	2	8	0.2	90	0.4	27	4,855	50,786
21-44	19,187	71.5	220,136	0.3	6	910	3.4	10,288	0.4	26	26,822	287,661
45-64	26,627	80.2	303,844	0.3	8	5,717	17.2	64,108	0.6	38	33,205	353,711
65-74	7,588	74.9	88,649	0.3	7	2,133	21.0	25,019	0.7	44	10,134	115,782
75-84	3,071	66.2	35,595	0.4	7	611	13.2	7,110	0.7	41	4,641	52,825
85 and older	791	57.7	9,075	0.3	7	83	6.1	960	0.6	36	1,370	15,179
Other Eligibles	57,240	21.5	585,319	0.2	4	4,475	1.7	51,249	0.6	39	266,187	2,410,591
5 and younger	2,435	3.3	27,207	0.1	1	34	0.0	372	0.1	1	73,807	664,871
6-14	4,602	6.8	51,149	0.1	1	15	0.0	174	0.3	10	67,397	651,125
15-20	9,011	26.3	87,299	0.1	1	11	0.0	120	0.2	8	34,236	282,737
21-44	20,298	43.0	183,630	0.2	2	138	0.3	1,345	0.3	21	47,195	343,076
45-64	704	48.5	7,118	0.3	4	73	5.0	685	0.4	22	1,452	11,960
65-74	4,397	48.8	50,539	0.3	6	1,531	17.0	17,650	0.6	39	9,008	98,634
75-84	8,076	51.3	92,506	0.3	7	1,973	12.5	22,967	0.7	42	15,753	173,603
85 and older	7,717	44.5	85,871	0.3	8	700	4.0	7,936	0.6	38	17,339	184,585
Male	40,797	16.6	456,321	0.3	6	4,208	1.7	47,168	0.6	36	245,446	2,380,901
Disabled	25,530	35.6	289,209	0.3	8	3,389	4.7	37,974	0.6	37	71,668	751,590
5 and younger	289	8.8	3,316	0.1	1	6	0.2	60	0.3	12	3,297	33,830
6-14	1,112	9.8	12,840	0.1	1	5	0.0	60	0.3	7	11,351	121,149
15-20	1,426	17.6	16,441	0.1	2	15	0.2	168	0.4	21	8,110	83,726
21-44	9,630	40.0	109,274	0.3	8	683	2.8	7,696	0.5	29	24,096	253,069
45-64	10,065	52.7	112,638	0.4	10	2,071	10.9	22,882	0.6	38	19,086	195,546
65-74	2,312	53.8	26,763	0.3	7	521	12.1	6,058	0.7	43	4,296	48,371
75-84	576	48.9	6,596	0.3	7	77	6.5	918	0.6	42	1,179	13,213
85 and older	120	47.4	1,341	0.3	6	11	4.3	132	0.7	43	253	2,686
Other Eligibles	15,267	8.8	167,112	0.2	3	819	0.5	9,194	0.5	33	173,778	1,629,311
5 and younger	3,222	4.2	35,787	0.1	1	53	0.1	599	0.1	2	77,218	694,614
6-14	4,667	6.9	51,979	0.1	1	19	0.0	219	0.2	14	67,687	655,547
15-20	2,381	14.2	25,793	0.1	1	6	0.0	57	0.3	17	16,782	157,244
21-44	617	56.0	5,602	0.4	8	30	2.7	261	0.3	22	1,101	7,813
45-64	194	69.8	1,898	0.4	11	28	10.1	294	0.5	34	278	2,261
65-74	1,350	37.7	15,051	0.3	6	331	9.2	3,755	0.6	38	3,579	37,796
75-84	1,534	41.0	16,937	0.3	7	267	7.1	3,081	0.6	37	3,740	39,277
85 and older	1,302	38.4	14,065	0.3	6	85	2.5	928	0.6	34	3,393	34,759
Unknown	36	0.6	327	0.1	1	3	0.1	27	0.1	2	5,936	44,275

Table 7D

All Medicaid Beneficiaries

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 7D includes the beneficiaries represented by Cell C 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 (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 8
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BENEFICIARY CHARACTERISTIC^{a, b}
 ALABAMA, 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
All	\$184	5.6	13,917	158,003
Age				
0-64	209	5.5	1,316	14,858
65-74	227	6.6	1,566	18,075
75-84	198	5.9	4,159	47,307
85 and older	161	5.3	6,876	77,763
Unknown	0	0.0	0	0
Gender				
Female	183	5.7	11,070	126,003
Male	189	5.5	2,847	32,000
Unknown	0	0.0	0	0
Race				
White	195	6	10,547	119,546
African American	151	4.6	3,200	36,585
Other/unknown	174	5.1	170	1,872
Basis of Eligibility				
Aged	179	5.6	10,977	124,191
Disabled	204	5.8	2,939	33,809
Adults	385	5.7	1	3
Children	0	0.0	0	0
Unknown	0	0.0	0	0

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 8 includes the beneficiaries represented by Cell D of Table 1, those who resided in nursing facilities throughout their 1999 Medicaid enrollment. A total of 10,770 beneficiaries who were in nursing facilities for part of their enrollment and their 97,757 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 9
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d, e}
 ALABAMA, 1999

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			Total # of Rx			Total 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	Generic	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	No.	As % of All-Year NF Residents	No. of Bene Mos
Anti-infective Agents	0.3	0.2	0.0	0.1	\$16	\$14	\$0	\$2	\$47	\$71	\$46	\$12	41,565	\$1,933,512	10,371	74.5 %	119,113
Biologicals	0.1	0.1	0.0	0.0	1	1	0	0	12	10	0	18	3,759	46,027	3,104	22.3	36,734
Antineoplastic Agents	0.4	0.1	0.2	0.2	48	12	25	11	108	173	160	49	4,165	448,520	828	5.9	9,304
Endocrine/Metabolic Drugs	0.9	0.4	0.1	0.4	25	19	1	4	26	44	15	10	64,573	1,700,456	5,988	43.0	68,459
Cardiovascular Agents	1.8	0.4	0.4	1.0	40	17	12	12	22	40	26	13	206,122	4,593,027	10,099	72.6	114,760
Respiratory Agents	0.6	0.1	0.0	0.4	13	7	0	6	23	46	21	15	46,347	1,073,174	7,102	51.0	81,702
Gastrointestinal Agents	0.9	0.3	0.0	0.6	39	27	1	11	42	92	73	18	71,276	2,982,254	6,707	48.2	76,788
Genitourinary Agents	0.5	0.2	0.0	0.2	17	13	0	3	35	52	25	16	14,013	496,365	2,590	18.6	29,917
CNS Drugs	1.2	0.6	0.2	0.5	64	45	13	6	52	78	79	12	120,640	6,313,602	8,675	62.3	99,006
Stimulants/Anti-obesity/Anorexia	0.5	0.0	0.0	0.4	11	0	1	10	23	82	27	22	472	10,889	88	0.6	998
Miscellaneous Psychological/Neurological Agents	0.7	0.7	0.0	0.0	79	78	0	1	109	114	0	25	9,433	1,025,288	1,140	8.2	12,984
Analgesics and Anesthetics	0.7	0.1	0.0	0.5	16	8	1	7	23	69	34	13	49,808	1,157,425	6,399	46.0	73,335
Neuromuscular Agents	1.1	0.3	0.3	0.5	41	18	12	11	39	70	41	21	54,048	2,095,553	4,450	32.0	51,077
Nutritional Products	0.8	0.1	0.2	0.5	14	4	4	5	16	31	20	11	76,592	1,231,049	7,960	57.2	91,169
Hematological Agents	0.9	0.1	0.3	0.5	27	9	8	10	32	131	28	20	42,289	1,340,350	4,349	31.2	49,651
Topical Products	0.4	0.2	0.1	0.2	13	7	3	2	29	43	35	13	45,317	1,300,479	8,790	63.2	101,682
Miscellaneous Products	0.2	0.0	0.0	0.2	9	3	1	5	36	173	84	22	2,020	72,611	727	5.2	8,277
Unknown Therapeutic Category	0.5	0.0	0.0	0.0	14	0	0	0	31	0	0	0	40,081	1,262,223	7,591	54.5	87,541
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.	892,520	29,082,804	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 9 includes the beneficiaries represented by Cell D of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 1999. A total of 10,770 beneficiaries who were in nursing facilities for part of their enrollment and their 97,757 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 (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 (May 13 2003).

In Alabama, 4.9 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 9

All Medicaid 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.

TABLE 10
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,
 BY TOP-10 DRUG GROUP^{a, b, c, d}
 ALABAMA, 1999

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
ANTIDEPRESSANTS	\$3,178,383	7,672	55.1 %	87,734	0.7	\$53	\$36
ULCER DRUGS	2,150,735	6,276	45.1	72,157	0.7	44	30
ANTIPSYCHOTICS	2,140,107	3,792	27.2	43,742	0.6	79	49
ANTICONVULSANT	1,559,204	3,771	27.1	43,522	0.8	42	36
ANTIHYPERTENSIVE	1,372,997	5,061	36.4	57,772	0.8	31	24
ANTIDIABETIC	1,195,581	4,256	30.6	48,802	0.8	31	24
CALCIUM BLOCKERS	1,132,208	3,082	22.1	35,138	0.8	40	32
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	1,025,175	1,146	8.2	13,080	0.7	109	78
DERMATOLOGICAL	892,874	12,405	89.1	144,582	0.2	30	6
ANTIANSIETY AGENTS	866,132	3,969	28.5	45,624	0.5	36	19

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 10 includes the beneficiaries represented by Cell D of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 1999. A total of 10,770 beneficiaries who were in nursing facilities for part of their enrollment and their 97,757 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 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.

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 1999 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 (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 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^{a, b, c, d} ALABAMA, 1999

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIDEPRESSANTS				ULCER DRUGS			
	No. of Rx	Rx \$	No. of Users	Mean No. of Rx	Mean No. of Users	Residents	NF Mos among Users	Mean Rx \$	No. of Users	Residents	NF Mos among Users	Mean No. of Rx
All	348,608	\$15,513,396	7,672	55.1 %	87,734	0.7	\$36	6,276	45.1 %	72,157	0.7	\$30
Female	276,804	12,267,406	6,270	56.6	72,048	0.7	36	4,932	44.6	56,817	0.7	30
Disabled	55,813	2,597,255	983	52.8	11,389	0.7	40	841	45.2	9,788	0.7	32
64 or younger	20,491	1,017,966	341	49.2	3,807	0.8	46	278	40.1	3,163	0.7	31
65-74	16,069	710,560	289	61.8	3,397	0.7	39	239	51.1	2,809	0.7	33
75-84	13,591	624,238	244	53.3	2,880	0.7	38	200	43.7	2,373	0.7	32
85 and older	5,662	244,491	109	45.2	1,305	0.7	32	124	51.5	1,443	0.7	34
Other Eligibles	220,991	9,670,151	5,287	57.4	60,659	0.7	35	4,091	44.4	47,029	0.7	29
64 or younger	7	526	1	100.0	3	0.7	44	0	0.0	0	0.0	0
65-74	18,989	919,887	424	80.5	4,917	0.7	41	282	53.5	3,273	0.6	29
75-84	79,933	3,604,064	1,838	63.5	21,144	0.7	37	1,357	46.9	15,594	0.6	30
85 and older	122,062	5,145,674	3,024	52.2	34,595	0.7	33	2,452	42.4	28,162	0.7	29
Male	71,804	3,245,990	1,402	49.2	15,686	0.7	38	1,344	47.2	15,340	0.7	30
Disabled	29,438	1,392,426	415	38.5	4,709	0.7	41	489	45.3	5,656	0.7	35
64 or younger	17,607	854,395	238	38.3	2,652	0.7	43	278	44.8	3,182	0.7	36
65-74	8,321	362,377	114	38.6	1,346	0.7	39	141	47.8	1,667	0.7	36
75-84	2,714	138,226	46	38.7	528	0.7	43	47	39.5	555	0.6	28
85 and older	796	37,428	17	38.6	183	0.6	30	23	52.3	252	0.6	32
Other Eligibles	42,366	1,853,564	987	55.8	10,977	0.7	37	855	48.4	9,684	0.6	27
64 or younger	9	542	2	200.0	6	0.7	35	1	100.0	3	1.0	23
65-74	8,279	354,366	173	62.7	1,931	0.7	37	139	50.4	1,575	0.6	27
75-84	17,734	795,269	414	60.1	4,558	0.7	39	345	50.1	3,906	0.7	26
85 and older	16,344	703,387	398	49.6	4,482	0.7	35	370	46.1	4,200	0.6	27
Unknown	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 Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 10A includes the beneficiaries represented by Cell D of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 1999. A total of 10,770 beneficiaries who were in nursing facilities for part of their enrollment and their 97,757 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 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.

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 1999 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 (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 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^{a, b, c, d}
 ALABAMA, 1999

Beneficiary Characteristics	ANTI-PSYCHOTICS					ANTICONVULSANT					ANTI-HYPERTENSIVE				
	Users as %		No. of Bene		Mean	Users as %		No. of Bene		Mean	Users as %		No. of Bene		Mean
	No. of Users	Residents	No. of Users	NF Residents		Users	Mos among Users	No. of Users	Residents		Users	Mos among Users	No. of Users	Residents	
All	3,792	27.2 %	43,742	0.6	\$49	3,771	27.1 %	43,522	0.8	\$36	5,061	36.4 %	57,772	0.8	\$24
Female	3,064	27.7	35,467	0.6	48	2,709	24.5	31,341	0.8	34	3,921	35.4	44,851	0.8	23
Disabled	663	35.6	7,796	0.7	62	871	46.8	10,186	1.0	43	639	34.4	7,377	0.8	24
64 or younger	223	32.2	2,568	0.8	75	475	68.5	5,498	1.0	50	182	26.3	2,007	0.8	25
65-74	162	34.6	1,925	0.7	63	228	48.7	2,696	1.0	36	194	41.5	2,281	0.8	22
75-84	210	45.9	2,487	0.7	57	132	28.8	1,584	0.8	33	182	39.7	2,144	0.8	25
85 and older	68	28.2	816	0.5	33	36	14.9	408	0.9	40	81	33.6	945	0.8	24
Other Eligibles	2,401	26.1	27,671	0.6	44	1,838	20.0	21,155	0.8	29	3,282	35.6	37,474	0.8	23
64 or younger	0	0.0	0	0.0	0	1	100.0	3	0.3	6	0	0.0	0	0.0	0
65-74	201	38.1	2,358	0.7	71	209	39.7	2,460	0.9	37	244	46.3	2,808	0.8	24
75-84	883	30.5	10,227	0.6	47	762	26.3	8,744	0.8	30	1,127	39.0	12,857	0.8	24
85 and older	1,317	22.8	15,086	0.5	38	866	15.0	9,948	0.7	26	1,911	33.0	21,809	0.8	23
Male	728	25.6	8,275	0.7	53	1,062	37.3	12,181	0.9	41	1,140	40.0	12,921	0.8	25
Disabled	312	28.9	3,579	0.7	61	621	57.6	7,217	1.0	49	380	35.2	4,380	0.8	25
64 or younger	163	26.2	1,839	0.7	68	440	70.9	5,075	1.0	53	210	33.8	2,373	0.7	23
65-74	90	30.5	1,059	0.8	54	138	46.8	1,635	0.9	37	117	39.7	1,389	0.8	27
75-84	41	34.5	471	0.8	66	34	28.6	405	1.0	41	43	36.1	510	0.8	29
85 and older	18	40.9	210	0.5	34	9	20.5	102	0.7	24	10	22.7	108	0.6	22
Other Eligibles	416	23.5	4,696	0.6	47	441	24.9	4,964	0.8	31	760	43.0	8,541	0.8	25
64 or younger	1	100.0	3	0.7	89	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	68	24.6	741	0.6	64	115	41.7	1,323	0.9	34	150	54.3	1,680	0.8	24
75-84	182	26.4	2,081	0.6	49	166	24.1	1,835	0.8	35	328	47.6	3,626	0.8	25
85 and older	165	20.6	1,871	0.5	38	160	20.0	1,806	0.7	25	282	35.2	3,235	0.7	26
Unknown	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 Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 10B includes the beneficiaries represented by Cell D of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 1999. A total of 10,770 beneficiaries who were in nursing facilities for part of their enrollment and their 97,757 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 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.

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 1999 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 (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 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^{a, b, c, d}
 ALABAMA, 1999

Beneficiary Characteristics	ANTIDIABETIC					CALCIUM BLOCKERS					MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL				
	Users as %					Users as %					Users as %				
	No. of Users	Residents	No. of Bene among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Residents	No. of Bene among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Residents	No. of Bene among Users	Mean No. of Rx	Mean Rx \$
All	4,256	30.6 %	48,802	0.8	\$25	3,082	22.1 %	35,138	0.8	\$32	1,146	8.2 %	13,080	0.7	\$78
Female	3,489	31.5	40,130	0.8	25	2,483	22.4	28,461	0.8	32	981	8.9	11,230	0.7	78
Disabled	773	41.6	8,874	0.9	29	378	20.3	4,359	0.9	35	73	3.9	852	0.7	74
64 or younger	211	30.4	2,329	0.9	30	93	13.4	1,024	0.9	44	13	1.9	156	0.5	54
65-74	241	51.5	2,792	0.9	30	118	25.2	1,401	0.8	31	19	4.1	225	0.7	61
75-84	218	47.6	2,553	0.8	29	115	25.1	1,338	0.9	35	28	6.1	324	0.8	83
85 and older	103	42.7	1,200	0.7	23	52	21.6	596	0.8	33	13	5.4	147	0.5	97
Other Eligibles	2,716	29.5	31,256	0.8	24	2,105	22.9	24,102	0.8	31	908	9.9	10,378	0.7	79
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	296	56.2	3,435	0.8	28	141	26.8	1,622	0.8	33	61	11.6	702	0.7	82
75-84	1,118	38.6	12,949	0.8	24	722	25.0	8,328	0.8	32	350	12.1	3,924	0.7	82
85 and older	1,302	22.5	14,872	0.8	22	1,242	21.5	14,152	0.8	31	497	8.6	5,752	0.7	76
Male	767	26.9	8,672	0.8	23	599	21.0	6,677	0.8	34	165	5.8	1,850	0.7	79
Disabled	258	23.9	2,919	0.8	24	207	19.2	2,335	0.8	37	19	1.8	219	0.8	74
64 or younger	128	20.6	1,398	0.8	24	105	16.9	1,147	0.8	40	5	0.8	57	0.7	39
65-74	88	29.8	1,041	0.8	25	70	23.7	822	0.8	37	7	2.4	84	0.7	70
75-84	30	25.2	354	0.7	24	25	21.0	282	0.7	36	5	4.2	60	0.8	92
85 and older	12	27.3	126	0.7	21	7	15.9	84	0.5	15	2	4.5	18	1.0	139
Other Eligibles	509	28.8	5,753	0.8	23	392	22.2	4,342	0.8	32	146	8.3	1,631	0.7	79
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	105	38.0	1,182	0.9	28	80	29.0	890	0.9	35	16	5.8	176	0.5	57
75-84	231	33.5	2,589	0.8	23	157	22.8	1,740	0.8	34	67	9.7	762	0.7	81
85 and older	173	21.6	1,982	0.7	20	155	19.3	1,712	0.8	29	63	7.9	693	0.8	83
Unknown	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 Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 10C includes the beneficiaries represented by Cell D of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 1999. A total of 10,770 beneficiaries who were in nursing facilities for part of their enrollment and their 97,757 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 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.

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 1999 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 (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 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^{a, b, c, d}
 ALABAMA, 1999

Beneficiary Characteristics	DERMATOLOGICAL					ANTI-ANXIETY AGENTS					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		Mean		Users as %		No. of Bene Mos among Users						Mean	
	No. of Users	Residents	No. of Users	Residents	No. of Rx	Rx \$	No. of Users	Residents	No. of Users	Residents					No. of Rx	Rx \$
All	12,405	89.1 %	144,582	0.2	6	3,969	28.5 %	45,624	0.5	19	13,917	158,003				
Female	9,808	88.6	114,485	0.2	6	3,234	29.2	37,210	0.5	20	11,070	126,003				
Disabled	1,681	90.4	19,868	0.2	6	586	31.5	6,824	0.6	20	1,860	21,460				
64 or younger	669	96.5	7,844	0.2	6	242	34.9	2,766	0.6	22	693	7,810				
65-74	433	92.5	5,160	0.2	7	153	32.7	1,803	0.6	22	468	5,477				
75-84	381	83.2	4,545	0.2	5	129	28.2	1,532	0.5	16	458	5,399				
85 and older	198	82.2	2,319	0.2	7	62	25.7	723	0.5	15	241	2,774				
Other Eligibles	8,127	88.2	94,617	0.2	6	2,648	28.8	30,386	0.5	20	9,210	104,543				
64 or younger	1	100.0	3	0.3	18	1	100.0	3	1.0	107	1	3				
65-74	517	98.1	6,102	0.2	7	204	38.7	2,376	0.6	22	527	6,074				
75-84	2,493	86.2	29,168	0.2	6	875	30.2	10,038	0.6	22	2,893	32,960				
85 and older	5,116	88.4	59,344	0.2	6	1,568	27.1	17,969	0.5	18	5,789	65,506				
Male	2,597	91.2	30,097	0.2	7	735	25.8	8,414	0.5	16	2,847	32,000				
Disabled	1,004	93.0	11,743	0.2	8	298	27.6	3,479	0.6	16	1,079	12,349				
64 or younger	658	106.0	7,683	0.2	8	189	30.4	2,178	0.6	14	621	7,042				
65-74	239	81.0	2,812	0.2	6	74	25.1	887	0.6	19	295	3,458				
75-84	83	69.7	975	0.2	9	21	17.6	252	0.5	18	119	1,374				
85 and older	24	54.5	273	0.2	6	14	31.8	162	0.5	24	44	475				
Other Eligibles	1,593	90.1	18,354	0.2	6	437	24.7	4,935	0.4	17	1,768	19,651				
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	3				
65-74	271	98.2	3,124	0.2	6	67	24.3	756	0.5	19	276	3,066				
75-84	629	91.3	7,245	0.2	6	173	25.1	1,989	0.4	16	689	7,574				
85 and older	693	86.4	7,985	0.2	6	197	24.6	2,190	0.4	16	802	9,008				
Unknown	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 Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table 10D includes the beneficiaries represented by Cell D of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 1999. A total of 10,770 beneficiaries who were in nursing facilities for part of their enrollment and their 97,757 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 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.

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 1999 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 (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.

APPENDIX TABLE A.1

CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY^{a, b}
ALABAMA, 1999

Beneficiary Characteristics	No. of Beneficiaries					No. of Beneficiaries with Pharmacy Benefit Coverage					
	All	Aged	Disabled	Adults	Children	All	Aged	Disabled	Adults	Children	Unknown
All	614,482	53,495	162,491	52,515	345,981	6,179,850	581,026	1,813,731	413,290	3,371,803	0
Age											
5 and younger	163,662	0	5,820	0	157,842	1,561,341	0	63,309	0	1,498,032	0
6-14	153,536	0	17,669	0	135,867	1,604,091	0	204,231	0	1,399,860	0
15-20	65,029	0	13,046	437	51,546	620,217	0	146,180	3,858	470,179	0
21-44	102,180	0	51,145	50,311	724	965,988	0	568,300	393,962	3,726	0
45-64	54,350	14	52,596	1,739	1	592,200	63	576,871	15,263	3	0
65-74	27,541	12,853	14,673	15	0	310,548	141,283	169,163	102	0	0
75-84	25,689	19,780	5,905	3	1	285,449	217,878	67,538	30	3	0
85 and older	22,495	20,848	1,637	10	0	240,016	221,802	18,139	75	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
Gender											
Female	361,529	42,645	90,366	51,145	177,373	3,603,117	466,967	1,017,831	403,083	1,715,236	0
Male	246,986	10,848	72,121	1,370	162,647	2,531,838	114,035	795,861	10,207	1,611,735	0
Unknown	5,967	2	4	0	5,961	44,895	24	39	0	44,832	0
Race											
White	260,088	29,004	66,766	22,141	142,177	2,573,496	307,511	742,046	165,494	1,358,445	0
African American	320,032	18,648	78,405	29,389	193,590	3,255,862	207,972	889,499	240,611	1,917,780	0
Other/unknown	34,362	5,843	17,320	985	10,214	350,492	65,543	182,186	7,185	95,578	0
Use of Nursing Facilities											
All year	13,944	11,001	2,942	1	0	158,950	124,622	34,325	3	0	0
Part year	10,806	8,879	1,926	1	0	98,793	79,748	19,033	12	0	0
None	589,732	33,615	157,623	52,513	345,981	5,922,107	376,656	1,760,373	413,275	3,371,803	0
Maintenance Assistance Status											
Cash	287,600	34,301	151,719	22,364	79,216	3,034,061	376,723	1,693,259	197,088	766,991	0
Medically needy	0	0	0	0	0	0	0	0	0	0	0
Poverty related	289,611	1,294	1,253	27,543	259,521	2,752,206	13,881	12,922	193,343	2,532,060	0
Other/unknown	37,271	17,900	9,519	2,608	7,244	393,583	190,422	107,550	22,859	72,752	0
Dual Status^c											
Full dual, all year	106,637	49,782	56,501	349	5	1,185,791	541,756	641,158	2,832	45	0
Full dual, part year	4,263	2,547	1,701	15	0	46,280	27,799	18,316	165	0	0
Non-dual, all year	503,582	1,166	104,289	52,151	345,976	4,947,779	11,471	1,154,257	410,293	3,371,758	0
Managed Care Status											
FFS all year	561,900	52,107	150,918	45,395	313,480	5,631,338	564,787	1,680,945	348,465	3,037,141	0
FFS part year, with Rx claims	18,677	591	6,584	1,831	9,671	212,391	6,869	78,071	19,167	108,284	0
FFS part year, no Rx claims	26,800	101	3,978	2,591	20,130	276,250	1,099	44,719	22,736	207,696	0
MC all year, with Rx claims	1,235	578	619	24	14	14,631	6,893	7,404	216	118	0
MC all year, no Rx claims	5,870	118	392	2,674	2,686	45,240	1,378	2,592	22,706	18,564	0

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. This table was produced on 06/25/2004.

a. Table A.1 includes the beneficiaries represented by Cell B 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. The "Non-dual, all year" group includes beneficiaries who were never dually eligible or dually eligible but never had pharmacy benefits. 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.2
 MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS
 ALABAMA, 1999

	Benes and					
	Bene Mos in Cell B of Table 1		Included in Cell C of Table 1		Excluded from Cell C of Table 1	
	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos
All	614,482	6,179,850	607,377	5,803,873	7,105	375,977
FFS all year	561,900	5,631,338	561,900	5,631,338	0	0
FFS part year, with Rx claims	18,677	212,391	18,677	79,677	0	132,714
FFS part year, with no Rx claims	26,800	276,250	26,800	92,858	0	183,392
MC all year, with Rx claims	1,235	14,631	0	0	1,235	14,631
MC all year, with no Rx claims	5,870	45,240	0	0	5,870	45,240

Source: Data for this table are from the MAX 1999 file for Alabama, released by CMS in 1/2004. 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.