

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

LIST OF TABLES

OVERVIEW OF STUDY POPULATION

TABLE 1. OVERVIEW OF BENEFICIARY SELECTION CRITERIA FOR STUDY POPULATION

FOR ALL MEDICAID BENEFICIARIES

TABLE 2. CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY

TABLE 3. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC

TABLE 4. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC

TABLE 5. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC

TABLE 6. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY

TABLE 7-7D. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP

TABLE 8. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS, BY BENEFICIARY CHARACTERISTIC

TABLE 9. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NF RESIDENTS, BY BRAND STATUS AND THERAPEUTIC CATEGORY

TABLE 10-10D. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NF RESIDENTS, BY TOP 10 DRUG GROUP

APPENDIX TABLE A.1. CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY

APPENDIX TABLE A.2. MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS

FOR DUAL ELIGIBLE BENEFICIARIES

TABLE 11. CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY

TABLE 12. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC

TABLE 13. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC

TABLE 14. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC

TABLE 15. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY

TABLE 16-16D. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP

TABLE 17. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS, BY BENEFICIARY CHARACTERISTIC

TABLE 18. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NF RESIDENTS, BY BRAND STATUS AND THERAPEUTIC CATEGORY

APPENDIX TABLE A.3. CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY

APPENDIX TABLE A.4. MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS

TABLE 1
OVERVIEW OF BENEFICIARY SELECTION CRITERIA FOR STUDY POPULATION
MASSACHUSETTS, 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	1,060,289 (A)	204,531 (E)
2. Benes who had Medicaid pharmacy benefits during at least one month ^b	959,612 (B)	190,694 (F)
3. Benes who had fee-for-service pharmacy benefit coverage during at least one month ^{c, d, e}	391,352 (C)	188,454 (G)
4. Benes who were all-year nursing facility residents ^f	35,310 (D)	33,300 (H)

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 Massachusetts in 1999 was \$610,824,971, of which \$234,974,697 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 0.5 percent were restricted benefit months without a pharmacy benefit in Massachusetts, 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	No. of Benefes							No. of Bene Mos						
	All	Aged	Disabled	Adults	Children	Other/Unknown		All	Aged	Disabled	Adults	Children	Other/Unknown	
All	391,352	96,484	128,773	59,234	106,861	0		3,000,220	984,218	1,281,337	246,115	488,550	0	
Age														
5 and younger	43,324	14	2,247	0	41,063	0		163,121	63	15,548	0	147,510	0	
6-14	51,379	6	4,195	0	47,178	0		284,797	48	37,328	0	247,421	0	
15-20	27,357	5	3,419	5,317	18,616	0		145,474	60	27,433	24,374	93,607	0	
21-44	93,392	158	45,323	47,907	4	0		641,574	1,686	445,635	194,241	12	0	
45-64	55,596	448	49,306	5,842	0	0		516,224	4,243	485,766	26,215	0	0	
65-74	43,293	25,595	17,551	147	0	0		463,391	268,650	193,592	1,149	0	0	
75-84	40,498	35,296	5,183	19	0	0		427,095	367,419	59,544	132	0	0	
85 and older	36,512	34,961	1,549	2	0	0		358,539	342,044	16,491	4	0	0	
Unknown	1	1	0	0	0	5		0	5	0	0	0	0	
Gender														
Female	236,533	71,683	66,532	45,226	53,092	0		1,843,716	739,253	674,124	188,004	242,335	0	
Male	154,819	24,801	62,241	14,008	53,769	0		1,156,504	244,965	607,213	58,111	246,215	0	
Unknown	0	0	0	0	0	0		0	0	0	0	0	0	
Race														
White	247,337	79,300	99,554	24,709	43,774	0		2,157,484	820,827	1,006,830	107,141	222,686	0	
African American	30,992	3,584	9,177	6,034	12,197	0		212,633	38,625	90,184	26,299	57,525	0	
Other/unknown	113,023	13,600	20,042	28,491	50,890	0		630,103	124,766	184,323	112,675	208,339	0	
Use of Nursing Facilities														
All year	35,310	31,414	3,893	1	2	0		358,218	315,757	42,438	1	22	0	
Part year	18,930	14,030	4,817	48	35	0		173,720	128,775	44,552	208	185	0	
None	337,112	51,040	120,063	59,185	106,824	0		2,468,282	539,686	1,194,347	245,906	488,343	0	
Maintenance Assistance Status														
Cash	142,463	32,682	74,136	12,023	23,622	0		1,249,953	367,867	759,528	38,584	83,974	0	
Medically needy	17,489	10,273	7,216	0	0	0		159,842	100,990	58,852	0	0	0	
Poverty-related	151,079	32,002	37,089	4,891	77,097	0		1,074,766	323,355	361,643	22,177	367,591	0	
Other/unknown	80,321	21,527	10,332	42,320	6,142	0		515,659	192,006	101,314	185,354	36,985	0	
Dual Medicare Status^c														
Full dual, all year	186,794	87,145	97,432	2,210	7	0		1,973,737	891,650	1,063,231	18,810	46	0	
Full dual, part year	1,660	1,538	117	5	0	0		18,117	16,858	1,213	46	0	0	
Non-dual, all year	202,898	7,801	31,224	57,019	106,854	0		1,008,366	75,710	216,893	227,259	488,504	0	
Managed Care Status														
FFS all year	245,876	95,905	104,520	15,346	30,105	0		2,506,377	980,826	1,163,870	110,125	251,556	0	
FFS part year, with Rx claims	85,400	490	19,549	27,361	38,000	0		313,224	2,859	95,778	87,092	127,495	0	
FFS part year, no Rx claims	60,076	89	4,704	16,527	38,756	0		180,619	533	21,689	48,898	109,499	0	

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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}
 MASSACHUSETTS, 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 Benes
All	69.2 %	21.3	\$960	\$45	\$8,465	11.3 %	\$21	391,352
Age								
5 and younger	49.5	2.3	48	20	2,093	2.3	2	43,324
6-14	44.1	2.9	127	43	1,323	9.6	2	51,379
15-20	49.4	4.1	172	42	2,267	7.6	3	27,357
21-44	68.4	17.6	1,100	63	7,195	15.3	12	93,392
45-64	81.7	35.4	1,856	52	12,426	14.9	48	55,596
65-74	84.7	33.0	1,353	41	8,430	16.0	52	43,293
75-84	86.4	37.8	1,365	36	14,292	9.6	33	40,498
85 and older	87.9	38.5	1,174	31	21,727	5.4	12	36,512
Unknown	100.0	39.0	612	16	11,913	5.1	0	1
Basis of Eligibility								
Aged	85.3	35.6	1,243	35	15,967	7.8	25	96,484
Disabled	82.8	33.8	1,848	55	12,276	15.1	41	128,773
Adults	56.4	5.3	197	37	1,297	15.2	4	59,234
Children	45.3	2.2	59	27	1,145	5.2	2	106,861
Unknown	0.0	0.0	0	0	0	0.0	0	0
Gender								
Female	72.7	23.6	963	41	8,759	11.0	23	236,533
Male	63.8	17.8	956	54	8,065	11.9	18	154,819
Unknown	0.0	0.0	0	0	0	0.0	0	0
Race								
White	76.2	27.0	1,211	45	10,730	11.3	25	247,337
African American	59.1	13.3	630	47	4,613	13.7	24	30,992
Other/unknown	56.5	11.0	502	46	4,633	10.8	11	113,023
Use of Nursing Facilities								
Entire year	94.2	52.4	1,793	34	33,622	5.3	19	35,310
Part year	86.1	43.2	1,630	38	28,578	5.7	27	18,930
None	65.6	16.8	836	50	4,723	17.7	20	337,112
Maintenance Assistance Status								
Cash	75.9	25.2	1,182	47	7,315	16.2	31	142,463
Medically needy	73.2	26.4	1,172	44	9,113	12.9	25	17,489
Poverty related	64.3	19.0	862	45	9,406	9.2	16	151,079
Other/unknown	65.4	17.6	706	40	8,689	8.1	10	80,321

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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}
 MASSACHUSETTS, 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				4.4 %
All	2.8	\$125	11.3 %	30.8 %	24.3 %	10.2 %	18.9 %	11.4 %	4.4 %	\$1,107	391,352	3,000,220
Age												
5 and younger	0.6	13	2.3	50.5	28.7	7.4	8.4	3.7	1.3	556	43,324	163,121
6-14	0.5	23	9.6	55.9	30.4	5.2	5.3	2.0	1.2	239	51,379	284,797
15-20	0.8	32	7.6	50.6	28.9	6.7	8.2	3.6	2.0	426	27,357	145,474
21-44	2.6	160	15.3	31.6	25.6	10.3	16.8	9.7	6.0	1,047	93,392	641,574
45-64	3.8	200	14.9	18.3	18.7	11.6	25.7	17.0	8.7	1,338	55,596	516,224
65-74	3.1	126	16.0	15.3	25.8	14.1	26.3	14.6	4.0	788	43,293	463,391
75-84	3.6	130	9.6	13.6	19.8	13.2	30.0	19.2	4.2	1,355	40,498	427,095
85 and older	3.9	120	5.4	12.1	15.6	12.6	33.0	22.6	4.2	2,213	36,512	358,539
Unknown	7.8	122	5.1	0.0	0.0	0.0	0.0	100.0	0.0	2,383	1	5
Basis of Eligibility												
Aged	3.5	122	7.8	14.7	20.5	13.0	29.1	18.7	4.1	1,565	96,484	984,218
Disabled	3.4	186	15.1	17.2	22.7	12.4	25.4	15.4	7.0	1,234	128,773	1,281,337
Adults	1.3	47	15.2	43.6	25.6	8.5	11.0	6.3	5.0	312	59,234	246,115
Children	0.5	13	5.2	54.7	29.0	6.0	6.4	2.7	1.2	251	106,861	488,550
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Gender												
Female	3.0	124	11.0	27.3	23.8	10.7	20.7	12.8	4.7	1,124	236,533	1,843,716
Male	2.4	128	11.9	36.2	25.1	9.4	16.3	9.2	3.9	1,080	154,819	1,156,504
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Race												
White	3.1	139	11.3	23.8	23.8	11.2	22.3	13.8	5.1	1,230	247,337	2,157,484
African American	1.9	92	13.7	40.9	26.3	9.0	14.0	6.8	2.9	672	30,992	212,633
Other/unknown	2.0	90	10.8	43.5	24.9	8.3	12.9	7.3	3.2	831	113,023	630,103
Use of Nursing Facilities												
Entire year	5.2	177	5.3	5.8	10.3	10.0	34.1	31.3	8.5	3,314	35,310	358,218
Part year	4.7	178	5.7	13.9	11.6	10.0	29.2	25.6	9.7	3,114	18,930	173,720
None	2.3	114	17.7	34.4	26.5	10.2	16.8	8.5	3.6	645	337,112	2,468,282
Maintenance Assistance Status												
Cash	2.9	135	16.2	24.1	25.4	12.2	22.0	11.6	4.7	834	142,463	1,249,953
Medically needy	2.9	128	12.9	26.8	23.1	11.2	22.2	12.6	4.1	997	17,489	159,842
Poverty related	2.7	121	9.2	35.7	24.3	8.9	16.7	10.7	3.8	1,322	151,079	1,074,766
Other/unknown	2.7	110	8.1	34.6	22.8	8.8	16.9	11.8	5.1	1,354	80,321	515,659

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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}
 MASSACHUSETTS, 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	2.8	\$125	1.0	\$82	0.4	\$22	1.3	\$17
Age								
5 and younger	0.6	13	0.2	8	0.0	1	0.4	3
6-14	0.5	23	0.2	16	0.0	3	0.3	4
15-20	0.8	32	0.3	22	0.1	6	0.3	4
21-44	2.6	160	1.0	111	0.3	28	1.1	17
45-64	3.8	200	1.5	134	0.5	34	1.7	24
65-74	3.1	126	1.1	80	0.4	22	1.4	18
75-84	3.6	130	1.2	80	0.5	23	1.7	21
85 and older	3.9	120	1.2	71	0.6	22	2.0	21
Unknown	7.8	122	2.4	66	1.6	36	3.8	21
Basis of Eligibility								
Aged	3.5	122	1.1	75	0.5	21	1.7	20
Disabled	3.4	186	1.3	125	0.4	32	1.5	22
Adults	1.3	47	0.5	32	0.1	8	0.6	6
Children	0.5	13	0.2	8	0.0	2	0.3	3
Unknown	0.0	0	0.0	0	0.0	0	0.0	0
Gender								
Female	3.0	124	1.1	80	0.4	22	1.4	17
Male	2.4	128	0.9	86	0.3	22	1.1	16
Unknown	0.0	0	0.0	0	0.0	0	0.0	0
Race								
White	3.1	139	1.1	90	0.4	25	1.4	19
African American	1.9	92	0.7	63	0.2	14	0.9	11
Other/unknown	2.0	90	0.7	61	0.2	14	0.9	12
Use of Nursing Facilities								
Entire year	5.2	177	1.6	111	0.7	30	2.6	29
Part year	4.7	178	1.6	116	0.6	28	2.3	27
None	2.3	114	0.9	75	0.3	20	1.0	14
Maintenance Assistance								
Status								
Cash	2.9	135	1.1	88	0.4	24	1.3	17
Medically needy	2.9	128	1.0	83	0.4	23	1.3	18
Poverty related	2.7	121	0.9	81	0.3	20	1.3	16
Other/unknown	2.7	110	0.9	72	0.4	19	1.3	16

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 Massachusetts, 4.2 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 (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}
 MASSACHUSETTS, 1999

Therapeutic Category	No. of Rx per Bene Mo among Users				\$ per Bene Mo among Users				Total No. of Rx				Total Rx \$		Users		
	Patented		Off-Patent		Patented		Off-Patent		Patented		Off-Patent		Total No. of Rx	Total Rx \$	No.	As % of All Benes	No. of Bene Mos
	Total	Brand-Name	Generic	Total	Brand-Name	Generic	Total	Brand-Name	Off-Patent	Generic							
Anti-infective Agents	0.4	0.2	0.0	0.2	\$24	\$22	\$0	\$2	\$67	\$126	\$64	\$9	492,421	\$32,993,504	156,847	40.1 %	1,396,380
Biologics	0.2	0.1	0.0	0.1	96	58	18	19	564	571	1,676	341	2,004	1,129,277	1,287	0.3	11,797
Antineoplastic Agents	0.5	0.2	0.2	0.2	95	63	24	7	180	306	155	45	34,541	6,205,539	6,567	1.7	65,585
Endocrine/Metabolic Drugs	0.8	0.3	0.1	0.4	22	16	2	4	28	51	29	9	630,577	17,505,897	84,863	21.7	809,417
Cardiovascular Agents	1.4	0.4	0.3	0.7	42	23	12	7	30	54	43	10	1,661,643	50,429,631	114,237	29.2	1,190,262
Respiratory Agents	0.7	0.4	0.0	0.3	28	22	1	5	37	52	35	18	548,346	20,511,397	79,791	20.4	737,872
Gastrointestinal Agents	0.6	0.2	0.1	0.3	37	26	6	6	60	108	79	19	481,160	28,954,039	75,771	19.4	775,360
Genitourinary Agents	0.4	0.2	0.0	0.2	14	11	0	2	35	50	35	14	103,365	3,659,913	26,985	6.9	260,406
CNS Drugs	1.4	0.6	0.2	0.6	91	61	22	9	65	100	96	15	1,726,853	111,711,544	122,845	31.4	1,221,901
Stimulants/Anti-obesity/Anorexia	0.7	0.2	0.2	0.3	27	7	10	10	37	37	49	30	27,024	1,008,344	4,756	1.2	37,144
Miscellaneous Psychological/Neurological Agents	0.6	0.5	0.0	0.1	70	69	0	1	115	128	53	13	23,906	2,741,736	3,787	1.0	39,173
Analgesics and Anesthetics	0.6	0.1	0.1	0.4	21	14	4	4	35	98	67	9	630,574	21,967,424	111,786	28.6	1,037,407
Neuromuscular Agents	1.1	0.4	0.1	0.5	48	34	7	7	45	81	44	15	703,458	31,437,696	65,302	16.7	656,710
Nutritional Products	0.5	0.0	0.1	0.4	7	0	2	5	13	11	28	11	164,493	2,068,625	36,663	9.4	312,826
Hematological Agents	0.8	0.1	0.2	0.5	33	20	5	8	43	343	24	17	232,969	10,052,860	29,730	7.6	306,098
Topical Products	0.5	0.2	0.1	0.2	13	8	3	2	29	46	37	11	477,754	13,675,821	110,379	28.2	1,042,390
Miscellaneous Products	0.4	0.2	0.1	0.1	69	40	24	5	180	243	290	39	27,048	4,871,473	7,693	2.0	70,266
Unknown Therapeutic Category	0.5	0.0	0.0	0.0	19	0	0	0	40	0	0	0	370,903	14,925,554	76,893	19.6	781,443
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.	8,339,039	375,850,274	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 Massachusetts, 4.2 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 (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}
 MASSACHUSETTS, 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	\$53,758,541	57,491 14.7 %	636,286	0.8	\$101	\$84	
ANTIDEPRESSANTS	38,582,992	99,294 25.4	1,087,363	0.6	55	35	
ANTICONVULSANT	25,026,315	53,047 13.6	589,057	0.8	51	42	
ULCER DRUGS	21,289,525	64,116 16.4	708,481	0.4	69	30	
ANTIVIRAL	15,531,344	10,017 2.6	111,838	0.5	308	139	
ANTHYPERLIPIDEMIC	14,084,243	27,215 7.0	309,797	0.6	78	45	
ANTHYPERTENSIVE	12,851,156	53,163 13.6	589,121	0.6	36	22	
ANTIASTHMATIC	12,181,361	72,337 18.5	784,054	0.4	35	16	
ANTIDIABETIC	11,743,517	42,229 10.8	468,794	0.7	38	25	
ANALGESICS - Narcotic	11,296,894	78,995 20.2	849,384	0.4	38	13	

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	All Top 10 Drug Groups					ANTIPSYCHOTICS					ANTIDEPRESSANTS				
	No. of Rx	Rx \$	No. of Users	Users as % of All Benes	Mean No. of Rx	No. of Users	Users as % of All Benes	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	Mean No. of Rx	Mean Rx \$		
All	3,568,070	\$216,345,888	57,491	14.7 %	0.8	636,286	14.7 %	0.8	\$85	99,294	25.4 %	1,087,363	0.6	\$36	
Female	2,245,608	124,747,517	34,498	14.6	0.8	380,614	14.6	0.8	70	66,464	28.1	728,342	0.6	36	
Disabled	1,188,247	74,789,176	18,189	27.3	0.9	208,179	27.3	0.9	89	34,700	52.2	394,520	0.6	38	
5 and younger	1,997	76,623	4	0.4	0.4	33	0.4	0.4	20	5	0.5	56	0.7	47	
6-14	7,160	352,852	67	4.5	0.6	696	4.5	0.6	65	151	10.0	1,589	0.6	25	
15-20	6,852	399,686	171	12.3	0.7	1,738	12.3	0.7	55	268	19.2	2,690	0.6	37	
21-44	351,379	25,736,341	7,383	37.6	0.9	84,420	37.6	0.9	99	12,154	62.0	137,810	0.6	41	
45-64	520,232	32,514,661	7,475	29.1	0.9	85,872	29.1	0.9	91	15,682	61.0	178,118	0.7	40	
65-74	214,880	11,487,405	2,022	16.9	0.8	23,314	16.9	0.8	68	4,560	38.2	52,792	0.6	30	
75-84	68,250	3,420,407	753	18.3	0.7	8,750	18.3	0.7	61	1,374	33.4	15,927	0.6	28	
85 and older	17,497	801,201	314	24.0	0.6	3,356	24.0	0.6	41	506	38.7	5,538	0.7	33	
Other Eligibles	1,057,354	49,958,281	16,309	9.6	0.6	172,435	9.6	0.6	46	31,764	18.7	333,822	0.7	32	
5 and younger	2,023	47,823	4	0.0	0.9	37	0.0	0.9	53	18	0.1	156	0.4	16	
6-14	7,186	268,029	83	0.4	0.4	827	0.4	0.4	31	276	1.2	2,750	0.5	22	
15-20	6,613	258,640	141	1.0	0.3	1,363	1.0	0.3	24	548	3.9	5,101	0.4	21	
21-44	35,386	1,658,740	560	1.5	0.5	5,221	1.5	0.5	35	2,433	6.5	21,524	0.5	28	
45-64	10,896	606,622	152	4.4	0.7	1,548	4.4	0.7	75	477	13.7	4,439	0.6	38	
65-74	220,014	11,650,162	2,435	14.8	0.7	27,148	14.8	0.7	65	4,934	29.9	55,053	0.6	31	
75-84	391,901	18,873,918	5,657	22.0	0.6	60,846	22.0	0.6	48	10,372	40.3	112,204	0.7	33	
85 and older	383,335	16,594,347	7,277	24.9	0.6	75,445	24.9	0.6	39	12,706	43.4	132,595	0.7	34	
Male	1,322,462	91,598,371	22,993	14.9	1.0	255,672	14.9	1.0	107	32,830	21.2	359,021	0.6	35	
Disabled	962,181	74,087,760	17,540	28.2	1.0	200,459	28.2	1.0	121	23,062	37.1	259,888	0.6	37	
5 and younger	2,724	104,707	4	0.3	0.6	34	0.3	0.6	82	13	1.0	142	0.3	9	
6-14	13,107	727,768	204	7.6	0.8	2,125	7.6	0.8	77	306	11.4	3,197	0.6	32	
15-20	11,256	713,331	258	12.7	0.7	2,635	12.7	0.7	71	310	15.3	3,149	0.6	38	
21-44	410,247	36,866,332	9,510	37.0	1.1	109,108	37.0	1.1	128	11,052	43.0	125,178	0.6	37	
45-64	419,761	30,250,516	6,548	27.7	1.1	75,006	27.7	1.1	122	9,681	41.0	109,066	0.6	37	
65-74	85,597	4,440,454	751	13.4	0.8	8,571	13.4	0.8	76	1,361	24.3	15,427	0.6	29	
75-84	16,422	836,649	210	19.7	0.8	2,416	19.7	0.8	68	266	25.0	2,991	0.7	32	
85 and older	3,067	148,003	55	22.9	0.6	564	22.9	0.6	56	73	30.4	738	0.7	32	
Other Eligibles	360,281	17,510,611	5,453	5.9	0.6	55,213	5.9	0.6	54	9,768	10.6	99,133	0.6	32	
5 and younger	3,218	81,485	13	0.1	0.3	134	0.1	0.3	14	36	0.2	347	0.3	20	
6-14	11,449	433,303	142	0.6	0.6	1,307	0.6	0.6	53	479	2.0	4,741	0.5	22	
15-20	6,273	276,374	128	1.3	0.5	1,204	1.3	0.5	52	359	3.7	3,466	0.5	25	
21-44	11,340	771,866	161	1.5	0.7	1,553	1.5	0.7	78	506	4.8	4,547	0.5	32	
45-64	11,401	698,275	146	5.2	0.8	1,527	5.2	0.8	88	316	11.2	3,196	0.6	36	
65-74	110,921	5,780,477	1,407	15.2	0.7	15,061	15.2	0.7	67	2,258	24.4	24,328	0.6	33	
75-84	132,707	6,303,569	2,004	20.9	0.6	20,333	20.9	0.6	50	3,420	35.7	35,076	0.7	33	
85 and older	72,972	3,165,262	1,452	25.5	0.6	14,094	25.5	0.6	40	2,394	42.0	23,432	0.7	32	
Unknown	7	60	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 Massachusetts, released by CMS in 12/2003. 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_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 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	ANTICONVULSANT					ULCER DRUGS					ANTIVIRAL				
	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	53,047	13.6 %	589,057	0.8	\$43	64,116	16.4 %	708,481	0.4	\$30	10,017	2.6 %	111,838	0.5	\$139
Female	30,932	13.1	342,762	0.8	39	43,561	18.4	482,318	0.4	30	4,064	1.7	45,184	0.3	87
Disabled	19,821	29.8	225,476	0.8	45	19,314	29.0	220,786	0.4	30	2,669	4.0	30,603	0.4	116
5 and younger	70	7.3	740	0.7	23	105	11.0	1,076	0.5	31	3	0.3	36	0.1	2
6-14	323	21.5	3,562	0.7	41	146	9.7	1,648	0.5	32	8	0.5	96	0.3	16
15-20	285	20.5	2,967	0.8	48	79	5.7	829	0.4	27	10	0.7	116	0.2	28
21-44	8,453	43.1	96,052	0.9	51	4,170	21.3	47,552	0.4	28	1,486	7.6	16,911	0.4	132
45-64	8,195	31.9	93,553	0.9	44	8,219	32.0	93,464	0.4	31	904	3.5	10,414	0.4	115
65-74	1,792	15.0	20,628	0.7	30	4,520	37.9	52,290	0.4	28	184	1.5	2,175	0.2	45
75-84	556	13.5	6,400	0.7	26	1,592	38.7	18,649	0.4	29	58	1.4	669	0.1	10
85 and older	147	11.2	1,574	0.7	23	483	36.9	5,278	0.5	30	16	1.2	186	0.1	8
Other Eligibles	11,111	6.5	117,286	0.7	27	24,246	14.3	261,527	0.5	30	1,395	0.8	14,581	0.2	27
5 and younger	22	0.1	225	0.5	19	42	0.2	323	0.3	13	7	0.0	59	0.5	44
6-14	141	0.6	1,397	0.6	30	98	0.4	918	0.3	15	41	0.2	429	0.3	68
15-20	135	1.0	1,209	0.5	31	146	1.0	1,341	0.2	12	66	0.5	582	0.2	15
21-44	809	2.2	7,211	0.6	28	810	2.2	7,203	0.3	17	318	0.8	2,726	0.4	67
45-64	217	6.2	2,060	0.8	36	235	6.8	2,155	0.4	28	28	0.8	278	0.3	79
65-74	2,356	14.3	26,167	0.8	31	4,923	29.9	55,600	0.4	27	210	1.3	2,427	0.2	29
75-84	3,946	15.3	42,712	0.8	27	8,564	33.3	94,678	0.5	31	314	1.2	3,561	0.1	12
85 and older	3,485	11.9	36,305	0.7	24	9,428	32.2	99,309	0.6	33	411	1.4	4,519	0.1	9
Male	22,115	14.3	246,295	0.9	48	20,555	13.3	226,163	0.4	30	5,953	3.8	66,654	0.5	174
Disabled	17,393	27.9	198,113	0.9	51	12,430	20.0	140,541	0.4	30	5,527	8.9	62,197	0.5	181
5 and younger	124	9.6	1,335	0.6	34	118	9.1	1,190	0.4	19	4	0.3	48	0.1	5
6-14	464	17.2	5,135	0.8	52	150	5.6	1,719	0.5	34	19	0.7	188	0.7	142
15-20	444	21.9	4,822	0.9	60	131	6.5	1,414	0.5	32	8	0.4	85	0.2	71
21-44	8,835	34.4	101,179	0.9	55	4,089	15.9	46,599	0.4	31	3,631	14.1	40,726	0.5	181
45-64	6,584	27.9	74,902	0.9	49	5,720	24.2	64,053	0.4	31	1,772	7.5	20,111	0.5	188
65-74	756	13.5	8,665	0.7	32	1,785	31.8	20,498	0.4	28	78	1.4	861	0.4	66
75-84	154	14.5	1,749	0.8	28	371	34.8	4,332	0.4	29	13	1.2	154	0.3	61
85 and older	32	13.3	326	0.6	24	66	27.5	736	0.5	33	2	0.8	24	0.1	2
Other Eligibles	4,722	5.1	48,182	0.8	33	8,125	8.8	85,622	0.5	30	426	0.5	4,457	0.3	74
5 and younger	29	0.1	277	0.6	19	59	0.3	471	0.4	25	8	0.0	62	0.1	3
6-14	208	0.9	1,890	0.7	29	87	0.4	855	0.3	15	38	0.2	413	0.5	124
15-20	162	1.6	1,478	0.8	38	70	0.7	616	0.3	15	16	0.2	148	0.2	19
21-44	253	2.4	2,406	0.7	43	219	2.1	1,980	0.3	25	91	0.9	859	0.4	159
45-64	185	6.6	1,917	0.9	44	215	7.6	2,191	0.4	31	28	1.0	274	0.6	192
65-74	1,436	15.5	15,412	0.8	37	2,564	27.7	28,347	0.4	27	97	1.0	1,061	0.2	44
75-84	1,604	16.8	16,465	0.8	29	3,081	32.2	32,851	0.5	31	99	1.0	1,088	0.2	34
85 and older	845	14.8	8,337	0.8	28	1,830	32.1	18,311	0.5	34	49	0.9	552	0.1	7
Unknown	0	0.0	0	0.0	0	1	100.0	5	1.0	10	0	0.0	0	0.0	0

All Medicaid Beneficiaries

Table 7B

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BOE, AND AGE^{a, b, c}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	ANTHYPERLIPIDEMIC				ANTHYPERTENSIVE				ANTIASTHMATIC						
	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	27,215	7.0 %	309,797	0.6	\$46	53,163	13.6 %	589,121	0.6	\$22	72,337	18.5 %	784,054	0.4	\$16
Female	17,903	7.6	204,740	0.6	46	34,147	14.4	379,365	0.6	22	47,404	20.0	516,824	0.4	15
Disabled	9,191	13.8	105,851	0.6	47	12,892	19.4	147,158	0.6	22	23,197	34.9	264,128	0.4	16
5 and younger	1	0.1	11	0.1	3	22	2.3	233	0.7	15	197	20.6	1,908	0.3	9
6-14	2	0.1	24	0.1	3	109	7.2	1,130	0.7	14	360	23.9	3,960	0.4	12
15-20	3	0.2	34	0.3	28	41	2.9	400	0.6	9	189	13.6	1,965	0.4	10
21-44	693	3.5	7,986	0.6	37	1,353	6.9	15,293	0.5	16	5,248	26.8	59,832	0.4	12
45-64	4,257	16.6	48,546	0.6	47	5,030	19.6	56,694	0.6	22	10,001	38.9	113,496	0.5	18
65-74	3,351	28.1	38,844	0.6	49	4,405	36.9	50,984	0.6	24	5,202	43.6	59,914	0.5	19
75-84	804	19.5	9,484	0.6	48	1,548	37.6	18,124	0.6	24	1,651	40.1	19,249	0.5	17
85 and older	80	6.1	922	0.6	41	384	29.3	4,300	0.7	22	349	26.7	3,804	0.4	16
Other Eligibles	8,712	5.1	98,889	0.6	46	21,254	12.5	232,202	0.6	22	24,207	14.2	252,696	0.4	15
5 and younger	1	0.0	9	0.7	72	9	0.0	95	0.7	23	748	3.8	6,414	0.2	4
6-14	3	0.0	36	0.4	15	121	0.5	1,183	0.6	7	1,332	5.7	12,907	0.2	6
15-20	4	0.0	42	0.5	27	40	0.3	365	0.5	11	781	5.5	7,241	0.2	5
21-44	95	0.3	795	0.4	26	246	0.7	2,092	0.5	14	1,506	4.0	13,051	0.3	9
45-64	78	2.2	729	0.5	39	144	4.1	1,335	0.6	21	248	7.1	2,225	0.4	14
65-74	3,531	21.4	40,512	0.6	46	5,051	30.6	57,207	0.6	22	4,612	28.0	51,538	0.5	18
75-84	3,890	15.1	44,485	0.6	47	8,161	31.7	91,322	0.6	23	7,697	29.9	83,554	0.5	17
85 and older	1,110	3.8	12,281	0.6	44	7,482	25.6	78,603	0.7	22	7,283	24.9	75,766	0.4	14
Male	9,312	6.0	105,057	0.6	44	19,016	12.3	209,756	0.6	22	24,933	16.1	267,230	0.5	16
Disabled	6,387	10.3	72,659	0.6	44	10,336	16.6	116,677	0.6	22	13,511	21.7	152,120	0.5	17
5 and younger	2	0.2	22	0.1	0	49	3.8	499	0.5	11	310	24.0	3,154	0.3	9
6-14	4	0.1	46	0.3	14	249	9.3	2,587	0.8	13	619	23.0	6,796	0.3	11
15-20	4	0.2	42	0.2	25	121	6.0	1,258	0.6	13	242	11.9	2,610	0.5	15
21-44	1,362	5.3	15,692	0.6	38	2,092	8.1	23,903	0.6	19	3,631	14.1	41,494	0.4	13
45-64	3,613	15.3	40,706	0.6	46	5,176	21.9	57,916	0.6	22	5,915	25.1	66,134	0.5	19
65-74	1,229	21.9	14,120	0.6	47	2,153	38.4	24,797	0.6	24	2,252	40.1	25,736	0.6	21
75-84	155	14.6	1,821	0.6	46	434	40.8	5,021	0.6	22	449	42.2	5,149	0.5	18
85 and older	18	7.5	210	0.4	32	62	25.8	696	0.6	25	93	38.8	1,047	0.5	18
Other Eligibles	2,925	3.2	32,398	0.5	43	8,680	9.4	93,079	0.6	22	11,422	12.3	115,110	0.4	14
5 and younger	2	0.0	19	0.2	28	34	0.2	334	0.6	11	1,166	5.5	10,301	0.2	5
6-14	4	0.0	43	0.2	45	322	1.4	3,150	0.6	7	1,654	7.0	15,809	0.3	7
15-20	6	0.1	65	0.5	32	74	0.8	746	0.5	9	465	4.7	4,470	0.3	7
21-44	80	0.8	713	0.5	29	119	1.1	1,105	0.5	16	273	2.6	2,532	0.4	10
45-64	152	5.4	1,479	0.6	43	194	6.9	1,926	0.6	20	225	8.0	2,271	0.5	18
65-74	1,435	15.5	16,183	0.5	43	3,062	33.1	34,083	0.5	22	2,532	27.3	27,495	0.5	18
75-84	1,049	11.0	11,791	0.6	45	3,258	34.1	35,330	0.6	23	3,270	34.2	34,098	0.5	18
85 and older	197	3.5	2,105	0.6	38	1,617	28.4	16,405	0.7	22	1,837	32.2	18,134	0.5	15
Unknown	0	0.0	0	0.0	0	1	100.0	5	0.4	2	0	0.0	0	0.0	0

All Medicaid Beneficiaries

Table 7C

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	ANTIDIABETIC				ANALGESICS - Narcotic				Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Users	No. of Mos among Users	Mean No. of Rx	Users as % of All Benes	No. of Users	No. of Mos among Users	Mean Rx \$	Mean No. of Rx	No. of Benes	No. of Mos
	No. of Users	Users as % of All Benes	No. of Mos among Users	Mean No. of Rx	No. of Users	Users as % of All Benes	No. of Mos among Users	Mean No. of Rx													
All	42,229	10.8 %	468,794	0.7	\$25	78,995	20.2 %	849,384	0.4	\$13	391,352	3,000,220									
Female																					
Disabled																					
5 and younger	2	0.2	24	1.0	46	28	2.9	308	0.1	1	956	6,428									
6-14	17	1.1	186	0.6	26	90	6.0	1,029	0.1	2	1,504	13,842									
15-20	19	1.4	178	0.8	26	156	11.2	1,551	0.2	6	1,393	11,109									
21-44	1,396	7.1	15,937	0.7	29	8,454	43.1	95,765	0.4	17	19,618	194,068									
45-64	5,905	23.0	66,501	0.7	30	11,334	44.1	128,338	0.4	14	25,695	254,668									
65-74	4,340	36.4	49,830	0.7	29	4,648	38.9	53,472	0.3	10	11,939	132,583									
75-84	1,283	31.2	14,953	0.6	25	1,427	34.7	16,545	0.3	9	4,118	47,474									
85 and older	254	19.4	2,820	0.6	17	398	30.4	4,145	0.4	11	1,309	13,952									
Other Eligibles	15,232	9.0	166,618	0.7	21	25,633	15.1	258,165	0.3	11	170,000	1,169,587									
5 and younger	9	0.0	61	1.5	34	108	0.5	1,018	0.1	1	19,907	71,061									
6-14	30	0.1	268	0.9	36	287	1.2	2,714	0.1	1	23,438	123,282									
15-20	28	0.2	214	1.0	34	808	5.7	7,385	0.1	1	14,109	67,166									
21-44	237	0.6	2,022	0.6	22	3,425	9.1	29,483	0.3	5	37,579	154,449									
45-64	167	4.8	1,590	0.7	29	427	12.3	3,981	0.3	8	3,475	16,354									
65-74	4,423	26.8	49,700	0.6	25	4,637	28.1	51,719	0.3	10	16,481	174,486									
75-84	6,353	24.7	70,378	0.7	22	7,415	28.8	79,261	0.4	13	25,747	272,479									
85 and older	3,985	13.6	42,385	0.7	16	8,526	29.1	82,604	0.4	12	29,264	290,310									
Male																					
Disabled																					
5 and younger	2	0.2	24	0.3	13	55	4.3	595	0.1	1	1,291	9,120									
6-14	14	0.5	144	0.8	32	114	4.2	1,247	0.1	1	2,691	23,486									
15-20	18	0.9	178	0.6	27	178	8.8	1,801	0.2	4	2,026	16,324									
21-44	1,562	6.1	17,907	0.7	30	8,120	31.6	91,612	0.4	19	25,705	251,567									
45-64	4,796	20.3	53,592	0.7	29	8,308	35.2	92,533	0.4	19	23,611	231,098									
65-74	1,678	29.9	19,065	0.6	26	1,608	28.7	18,174	0.3	8	5,612	61,009									
75-84	271	25.4	3,111	0.6	22	300	28.2	3,382	0.3	12	1,065	12,070									
85 and older	56	23.3	624	0.6	15	66	27.5	685	0.4	13	240	2,539									
Other Eligibles	5,384	5.8	57,102	0.6	21	8,078	8.7	80,037	0.3	9	92,578	549,291									
5 and younger	7	0.0	57	1.0	32	147	0.7	1,304	0.1	2	21,170	76,512									
6-14	30	0.1	296	0.7	26	346	1.5	3,294	0.1	1	23,746	124,187									
15-20	26	0.3	254	0.9	33	380	3.9	3,669	0.2	3	9,829	50,875									
21-44	118	1.1	1,060	0.7	28	781	7.4	6,944	0.4	17	10,490	41,490									
45-64	196	7.0	1,926	0.6	28	314	11.2	3,032	0.4	15	2,815	14,104									
65-74	1,967	21.2	21,607	0.6	23	2,321	25.1	25,268	0.3	7	9,261	95,313									
75-84	2,145	22.4	22,908	0.6	19	2,287	23.9	23,209	0.3	9	9,568	95,072									
85 and older	895	15.7	8,994	0.7	17	1,502	26.4	13,317	0.4	11	5,699	51,738									
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	5									

Table 7D

All Medicaid Beneficiaries

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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}
 MASSACHUSETTS, 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	\$177	5.2	35,310	358,218
Age				
0-64	297	6.3	2,572	28,382
65-74	249	6.3	3,447	36,390
75-84	186	5.4	10,621	108,153
85 and older	139	4.7	18,669	185,288
Unknown	122	7.8	1	5
Gender				
Female	167	5.1	27,187	278,381
Male	212	5.5	8,123	79,837
Unknown	0	0.0	0	0
Race				
White	178	5.2	28,308	289,205
African American	209	5.3	576	6,214
Other/unknown	168	5.1	6,426	62,799
Basis of Eligibility				
Aged	165	5.0	31,414	315,757
Disabled	267	6.1	3,893	42,438
Adults	145	2.0	1	1
Children	106	3.6	2	22
Unknown	0	0.0	0	0

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 18,930 beneficiaries who were in nursing facilities for part of their enrollment and their 173,720 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}
 MASSACHUSETTS, 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	0.2	\$15	\$13	\$0	\$1	\$43	\$72	\$42	\$9	81,292	\$3,465,821	22,299	63.2 %	237,434
Biologicals	0.1	0.0	0.0	0.1	2	0	0	2	22	81	0	20	301	6,755	281	0.8	3,136
Antineoplastic Agents	0.5	0.1	0.3	0.1	74	32	37	5	142	274	140	37	9,165	1,299,249	1,724	4.9	17,502
Endocrine/Metabolic Drugs	1.0	0.3	0.0	0.7	17	12	1	4	17	41	24	6	116,683	2,002,507	11,093	31.4	117,219
Cardiovascular Agents	1.8	0.4	0.4	1.0	34	14	12	8	19	38	27	8	393,691	7,474,241	21,283	60.3	220,732
Respiratory Agents	0.8	0.3	0.0	0.5	25	15	1	9	31	48	32	19	78,556	2,449,928	9,406	26.6	99,644
Gastrointestinal Agents	0.9	0.3	0.1	0.5	44	28	5	10	48	93	58	20	143,435	6,944,137	15,121	42.8	159,550
Genitourinary Agents	0.5	0.2	0.0	0.3	16	12	0	4	31	50	35	14	28,350	876,249	4,992	14.1	54,415
CNS Drugs	1.5	0.7	0.2	0.6	84	63	15	6	55	86	77	10	377,797	20,756,425	23,407	66.3	247,144
Stimulants/Anti-obesity/Anorexia	0.4	0.0	0.1	0.3	8	0	3	5	17	44	28	13	449	7,641	92	0.3	1,010
Miscellaneous Psychological/Neurological Agents	0.7	0.7	0.0	0.0	77	77	0	0	106	108	0	6	9,305	987,448	1,243	3.5	12,820
Analgesics and Anesthetics	0.7	0.2	0.1	0.4	20	14	3	3	31	81	49	8	78,458	2,435,848	12,007	34.0	119,911
Neuromuscular Agents	1.2	0.4	0.2	0.6	49	30	9	10	40	67	42	18	145,742	5,816,170	11,013	31.2	118,308
Nutritional Products	0.7	0.0	0.1	0.6	8	0	1	6	12	12	23	11	58,284	699,023	8,472	24.0	87,272
Hematological Agents	1.1	0.1	0.3	0.7	20	10	4	6	18	182	15	8	109,779	2,019,022	9,616	27.2	100,428
Topical Products	0.6	0.2	0.1	0.3	17	10	4	3	29	46	39	11	131,098	3,762,887	20,339	57.6	220,784
Miscellaneous Products	0.3	0.0	0.0	0.2	10	4	1	5	38	101	220	24	3,729	142,655	1,376	3.9	13,980
Unknown Therapeutic Category	0.5	0.0	0.0	0.0	14	0	0	0	26	0	0	0	83,863	2,154,869	14,556	41.2	155,293
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.	1,849,977	63,300,875	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 18,930 beneficiaries who were in nursing facilities for part of their enrollment and their 173,720 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 Massachusetts, 4.2 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.

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}
 MASSACHUSETTS, 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
ANTIPSYCHOTICS	\$9,535,222	14,368	40.7 %	155,398	0.7	\$83	\$61
ANTIDEPRESSANTS	8,958,143	20,755	58.8	221,720	0.8	50	40
ULCER DRUGS	5,326,781	12,899	36.5	137,324	0.7	59	39
ANTICONVULSANT	4,197,368	9,826	27.8	106,850	0.9	42	39
DERMATOLOGICAL	2,470,527	23,495	66.5	260,410	0.3	35	9
ANTIHYPERTENSIVE	2,161,874	8,361	23.7	87,449	0.8	29	25
ANTIANKXIETY AGENTS	2,028,664	11,031	31.2	118,213	0.6	29	17
ANTIASTHMATIC	1,886,477	11,246	31.8	117,871	0.5	31	16
CALCIUM BLOCKERS	1,845,419	5,589	15.8	58,711	0.9	37	31
ANALGESICS - Narcotic	1,657,434	10,399	29.5	100,897	0.5	35	16

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 18,930 beneficiaries who were in nursing facilities for part of their enrollment and their 173,720 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} MASSACHUSETTS, 1999

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ANTIDEPRESSANTS			
	No. of Rx	Rx \$	No. of Users	Mean No. of Bene Mos among Users	Residents	of All-Year NF	No. of Users	Mean No. of Rx	Residents	of All-Year NF	No. of Users	Mean No. of Rx
All	858,155	\$40,067,909	14,368	40.7 %	155,398	0.7	\$61	20,755	58.8 %	221,720	0.8	\$40
Female	639,765	29,222,091	10,746	39.5	116,823	0.7	58	15,904	58.5	171,179	0.8	40
Disabled	76,837	4,249,722	1,240	53.9	14,181	1.0	98	1,389	60.4	15,648	0.8	48
64 or younger	45,980	2,664,501	641	52.4	7,513	1.0	109	715	58.4	8,236	0.9	54
65-74	10,919	645,350	216	76.1	2,436	1.1	123	205	72.2	2,304	0.9	43
75-84	10,137	518,337	200	56.8	2,272	0.9	80	212	60.2	2,314	0.8	45
85 and older	9,801	421,534	183	41.5	1,960	0.7	48	257	58.3	2,794	0.7	37
Other Eligibles	562,917	24,972,158	9,506	38.2	102,642	0.7	52	14,515	58.3	155,531	0.8	39
64 or younger	2,088	109,510	43	54.4	459	0.9	91	44	55.7	434	0.9	41
65-74	62,004	3,233,238	1,086	61.6	12,285	0.9	85	1,263	71.6	13,905	0.8	44
75-84	193,092	8,873,089	3,317	44.4	36,276	0.7	57	4,851	64.9	52,594	0.8	41
85 and older	305,733	12,756,321	5,060	32.5	53,622	0.6	42	8,357	53.7	88,598	0.8	38
Male	218,390	10,845,818	3,622	44.6	38,575	0.8	72	4,851	59.7	50,541	0.8	41
Disabled	58,392	3,417,634	867	54.5	9,799	1.0	111	904	56.8	10,050	0.9	46
64 or younger	45,933	2,767,053	639	53.2	7,308	1.1	118	684	57.0	7,692	0.9	47
65-74	7,655	398,847	118	61.1	1,283	1.0	102	124	64.2	1,356	0.8	44
75-84	3,242	170,907	77	64.7	869	0.8	78	63	52.9	661	0.8	41
85 and older	1,562	80,827	33	41.8	339	0.7	75	33	41.8	341	0.8	42
Other Eligibles	159,998	7,428,184	2,755	42.2	28,776	0.7	58	3,947	60.4	40,491	0.8	40
64 or younger	2,568	139,277	38	55.9	412	1.1	97	53	77.9	543	0.8	51
65-74	39,938	2,073,602	640	53.0	7,035	0.8	83	763	63.2	8,253	0.8	47
75-84	67,684	3,111,549	1,157	43.2	12,122	0.7	55	1,686	63.0	17,314	0.8	40
85 and older	49,808	2,103,756	920	35.7	9,207	0.6	42	1,445	56.0	14,381	0.8	36
Unknown	11	211	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 Massachusetts, released by CMS in 12/2003. 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 18,930 beneficiaries who were in nursing facilities for part of their enrollment and their 173,720 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	ULCER DRUGS						ANTICONVULSANT						DERMATOLOGICAL					
	Users as %			Users as %			Users as %			Users as %			Users as %			Users as %		
	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx
All	12,899	36.5 %	0.7	9,826	27.8 %	0.9	106,850	23,495	66.5 %	260,410	0.3	10	0	0.0	2	200.0	0	0.4
Female	9,584	35.3	0.7	6,660	24.5	0.9	72,647	17,719	65.2	197,328	0.3	9	0	0.0	0	0.0	0	0.4
Disabled	890	38.7	0.7	1,227	53.3	1.1	14,003	1,886	82.0	21,700	0.3	10	0	0.0	0	0.0	0	0.4
64 or younger	483	39.5	0.7	885	72.3	1.1	10,260	1,139	93.1	13,256	0.3	10	0	0.0	0	0.0	0	0.4
65-74	115	40.5	0.7	146	51.4	1.0	1,651	205	72.2	2,351	0.3	8	0	0.0	0	0.0	0	0.4
75-84	120	34.1	0.7	119	33.8	0.9	1,275	263	74.7	2,988	0.3	11	0	0.0	0	0.0	0	0.4
85 and older	172	39.0	0.6	77	17.5	0.8	817	279	63.3	3,105	0.2	8	0	0.0	0	0.0	0	0.4
Other Eligibles	8,693	34.9	0.7	5,433	21.8	0.9	58,644	15,831	63.6	175,618	0.3	9	0	0.0	0	0.0	0	0.4
64 or younger	30	38.0	0.6	36	45.6	1.1	367	58	73.4	600	0.3	12	0	0.0	0	0.0	0	0.4
65-74	708	40.2	0.7	931	52.8	1.0	10,307	1,386	78.6	15,810	0.3	12	0	0.0	0	0.0	0	0.4
75-84	2,700	36.1	0.6	2,129	28.5	0.9	23,215	5,021	67.2	56,179	0.3	9	0	0.0	0	0.0	0	0.4
85 and older	5,255	33.8	0.7	2,337	15.0	0.8	24,755	9,366	60.2	103,029	0.3	9	0	0.0	0	0.0	0	0.4
Male	3,315	40.8	0.6	3,166	39.0	1.0	34,203	5,776	71.1	63,082	0.3	10	0	0.0	0	0.0	0	0.4
Disabled	724	45.5	0.7	1,111	69.8	1.1	12,567	1,283	80.6	14,639	0.3	10	0	0.0	0	0.0	0	0.4
64 or younger	539	44.9	0.7	930	77.4	1.2	10,626	999	83.2	11,454	0.3	11	0	0.0	0	0.0	0	0.4
65-74	100	51.8	0.6	124	64.2	1.0	1,364	162	83.9	1,822	0.3	11	0	0.0	0	0.0	0	0.4
75-84	61	51.3	0.5	44	37.0	1.0	456	72	60.5	779	0.3	9	0	0.0	0	0.0	0	0.4
85 and older	24	30.4	0.5	13	16.5	1.0	121	50	63.3	584	0.3	8	0	0.0	0	0.0	0	0.4
Other Eligibles	2,591	39.7	0.6	2,055	31.5	0.9	21,636	4,493	68.8	48,443	0.3	10	0	0.0	0	0.0	0	0.4
64 or younger	33	48.5	0.6	51	75.0	1.0	514	55	80.9	600	0.3	12	0	0.0	0	0.0	0	0.4
65-74	551	45.7	0.7	637	52.8	1.1	6,963	893	74.0	9,968	0.3	13	0	0.0	0	0.0	0	0.4
75-84	1,087	40.6	0.6	860	32.1	0.9	9,032	1,883	70.4	20,403	0.3	11	0	0.0	0	0.0	0	0.4
85 and older	920	35.7	0.6	507	19.7	0.8	5,127	1,662	64.4	17,472	0.3	9	0	0.0	0	0.0	0	0.4
Unknown	1	100.0	1.0	0	0.0	0.0	0	0	200.0	10	0.4	15	0	0.0	0	0.0	0	0.4

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 18,930 beneficiaries who were in nursing facilities for part of their enrollment and their 173,720 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	ANTIHYPERTENSIVE					ANTI-ANXIETY AGENTS					ANTI-ASTHMATIC						
	Users as %					Users as %					Users as %						
	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	No. of Bene Mos among Users	Mean No. of Rx
All	8,361	23.7 %	0.8	\$25	0.8	11,031	31.2 %	0.6	\$17	0.6	11,246	31.8 %	0.5	\$16	117,871	0.5	\$16
Female	6,103	22.4	0.8	24	0.8	8,487	31.2	0.6	17	0.6	8,141	29.9	0.5	16	85,955	0.5	16
Disabled	446	19.4	0.8	25	0.8	818	35.5	0.7	18	0.7	815	35.4	0.6	19	8,951	0.6	19
64 or younger	190	15.5	0.8	27	0.8	453	37.0	0.7	19	0.7	450	36.8	0.7	21	5,111	0.7	21
65-74	73	25.7	0.9	30	0.9	114	40.1	0.7	19	0.7	119	41.9	0.6	20	1,201	0.6	20
75-84	78	22.2	0.8	21	0.8	111	31.5	0.7	20	0.7	106	30.1	0.5	15	1,123	0.5	15
85 and older	105	23.8	0.8	22	0.8	140	31.7	0.6	14	0.6	140	31.7	0.5	15	1,516	0.5	15
Other Eligibles	5,656	22.7	0.8	24	0.8	7,669	30.8	0.6	17	0.6	7,326	29.4	0.5	15	77,004	0.5	15
64 or younger	8	10.1	0.9	20	0.9	25	31.6	0.5	9	0.5	27	34.2	0.9	23	267	0.9	23
65-74	439	24.9	0.9	28	0.9	680	38.6	0.6	21	0.6	657	37.3	0.6	19	6,930	0.6	19
75-84	1,731	23.2	0.9	25	0.9	2,462	32.9	0.6	16	0.6	2,486	33.3	0.5	18	26,415	0.5	18
85 and older	3,478	22.3	0.8	23	0.8	4,502	28.9	0.6	16	0.6	4,156	26.7	0.4	13	43,392	0.4	13
Male	2,258	27.8	0.8	26	0.8	2,544	31.3	0.6	19	0.6	3,105	38.2	0.6	18	31,916	0.6	18
Disabled	349	21.9	0.9	26	0.9	614	38.6	0.7	23	0.7	644	40.5	0.6	20	7,133	0.6	20
64 or younger	222	18.5	0.9	27	0.9	487	40.5	0.7	22	0.7	470	39.1	0.7	21	5,232	0.7	21
65-74	76	39.4	0.9	24	0.9	70	36.3	0.8	31	0.8	96	49.7	0.6	23	1,087	0.6	23
75-84	31	26.1	0.8	20	0.8	37	31.1	0.6	19	0.6	42	35.3	0.4	13	413	0.4	13
85 and older	20	25.3	0.7	27	0.7	20	25.3	0.4	12	0.4	36	45.6	0.5	17	401	0.5	17
Other Eligibles	1,909	29.2	0.8	26	0.8	1,930	29.6	0.6	18	0.6	2,461	37.7	0.5	17	24,783	0.5	17
64 or younger	23	33.8	0.9	21	0.9	26	38.2	0.8	18	0.8	32	47.1	0.8	28	334	0.8	28
65-74	372	30.8	0.8	27	0.8	428	35.5	0.6	20	0.6	460	38.1	0.6	19	4,956	0.6	19
75-84	826	30.9	0.8	28	0.8	788	29.4	0.6	18	0.6	1,068	39.9	0.5	17	10,668	0.5	17
85 and older	688	26.7	0.9	24	0.9	688	26.7	0.5	15	0.5	901	34.9	0.5	14	8,825	0.5	14
Unknown	1	100.0	0.4	2	0.4	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 Massachusetts, released by CMS in 12/2003. 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 18,930 beneficiaries who were in nursing facilities for part of their enrollment and their 173,720 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	CALCIUM BLOCKERS					ANALGESICS - Narcotic					Bene Mos among All-Year NF Residents	
	Users as %		Mean		No. of Bene Mos among Users	Users as %		Mean		No. of Bene Mos among Users		
	No. of Users	Residents	Rx	Rx-\$		No. of Users	Residents	Rx	Rx-\$			
All	5,589	15.8 %	0.9	\$31	58,711	10,399	29.5 %	0.5	\$16	100,997	35,310	358,218
Female	4,485	16.5	0.9	32	47,369	8,261	30.4	0.5	17	81,154	27,186	278,376
Disabled	318	13.8	0.9	34	3,535	619	26.9	0.5	19	6,485	2,301	25,198
64 or younger	114	9.3	0.9	38	1,305	304	24.8	0.5	21	3,375	1,224	13,822
65-74	51	18.0	0.9	38	571	78	27.5	0.6	9	779	284	3,131
75-84	73	20.7	0.9	33	781	105	29.8	0.5	18	1,045	352	3,732
85 and older	80	18.1	0.8	27	878	132	29.9	0.5	19	1,286	441	4,513
Other Eligibles	4,167	16.7	0.9	31	43,834	7,642	30.7	0.5	17	74,669	24,885	253,178
64 or younger	2	2.5	0.7	22	23	22	27.8	0.5	13	190	79	750
65-74	305	17.3	0.9	35	3,362	614	34.8	0.5	19	6,408	1,763	18,702
75-84	1,300	17.4	0.8	31	13,745	2,307	30.9	0.5	20	23,231	7,474	77,429
85 and older	2,560	16.4	0.9	31	26,704	4,699	30.2	0.5	15	44,840	15,569	156,297
Male	1,104	13.6	0.9	31	11,342	2,138	26.3	0.4	14	19,743	8,123	79,837
Disabled	179	11.2	0.9	37	1,989	338	21.2	0.5	19	3,440	1,592	17,240
64 or younger	119	9.9	0.8	38	1,327	255	21.2	0.4	18	2,677	1,201	13,146
65-74	31	16.1	1.0	35	357	40	20.7	0.6	28	410	193	2,054
75-84	15	12.6	1.0	40	172	21	17.6	0.5	10	180	119	1,255
85 and older	14	17.7	0.8	26	133	22	27.8	0.6	30	173	79	785
Other Eligibles	925	14.2	0.8	30	9,353	1,800	27.6	0.4	14	16,303	6,531	62,597
64 or younger	10	14.7	0.8	28	98	26	38.2	0.4	10	243	68	664
65-74	202	16.7	0.9	34	2,202	330	27.3	0.5	15	3,357	1,207	12,503
75-84	418	15.6	0.9	30	4,154	722	27.0	0.5	14	6,580	2,676	25,737
85 and older	295	11.4	0.8	27	2,899	722	28.0	0.4	13	6,123	2,580	23,693
Unknown	0	0.0	0.0	0	0	0	0.0	0.0	0	0	1	5

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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 18,930 beneficiaries who were in nursing facilities for part of their enrollment and their 173,720 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}
 MASSACHUSETTS, 1999

Beneficiary Characteristics	No. of Benes					No. of Bene Mos						
	All	Aged	Disabled	Adults	Children	Unknown	All	Aged	Disabled	Adults	Children	Unknown
All	959,612	96,514	220,847	212,607	429,644	0	9,959,402	987,723	2,476,391	2,140,373	4,354,915	0
Age												
5 and younger	161,831	14	4,694	0	157,123	0	1,559,416	63	47,116	0	1,512,237	0
6-14	211,525	6	12,950	0	198,569	0	2,233,594	48	146,251	0	2,087,295	0
15-20	99,983	5	9,063	16,980	73,935	0	1,021,283	60	99,091	166,881	755,251	0
21-44	255,655	159	81,300	174,182	14	0	2,671,897	1,758	912,990	1,757,044	105	0
45-64	110,107	464	88,375	21,265	3	0	1,209,381	4,532	989,956	214,866	27	0
65-74	43,497	25,608	17,733	156	0	0	478,142	271,786	204,945	1,411	0	0
75-84	40,498	35,296	5,183	19	0	0	427,102	367,419	59,551	132	0	0
85 and older	36,515	34,961	1,549	5	0	0	358,582	342,052	16,491	39	0	0
Unknown	1	1	0	0	0	5	0	5	0	0	0	0
Gender												
Female	569,967	71,705	116,945	168,601	212,716	0	5,948,224	741,758	1,327,480	1,720,126	2,158,860	0
Male	389,645	24,809	103,902	44,006	216,928	0	4,011,178	245,965	1,148,911	420,247	2,196,055	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Race												
White	509,246	79,323	175,113	88,516	166,294	0	5,399,534	823,371	1,981,730	894,880	1,699,553	0
African American	103,074	3,585	19,064	24,043	56,382	0	1,082,038	38,847	215,617	244,180	583,394	0
Other/unknown	347,292	13,606	26,670	100,048	206,968	0	3,477,830	125,505	279,044	1,001,313	2,071,968	0
Use of Nursing Facilities												
All year	35,332	31,415	3,914	1	2	0	358,692	315,767	42,900	1	24	0
Part year	19,744	14,034	5,578	80	52	0	191,788	128,936	61,412	875	565	0
None	904,536	51,065	211,355	212,526	429,590	0	9,408,922	543,020	2,372,079	2,139,497	4,354,326	0
Maintenance Assistance Status												
Cash	333,304	32,689	155,508	42,900	102,207	0	3,709,998	368,908	1,796,690	451,465	1,092,935	0
Medically needy	21,298	10,282	11,016	0	0	0	199,569	101,814	97,755	0	0	0
Poverty related	395,878	32,009	43,430	14,775	305,664	0	3,973,190	324,723	468,071	145,896	3,034,500	0
Other/unknown	209,132	21,534	10,893	154,932	21,773	0	2,076,645	192,278	113,875	1,543,012	227,480	0
Dual Status^c												
Full dual, all year	189,033	87,150	99,389	2,485	9	0	2,049,673	893,781	1,129,716	26,094	82	0
Full dual, part year	1,661	1,538	118	5	0	0	18,472	17,106	1,314	52	0	0
Non-dual, all year	768,918	7,826	121,340	210,117	429,635	0	7,891,257	76,836	1,345,361	2,114,227	4,354,833	0
Managed Care Status												
FFS all year	245,876	95,905	104,520	15,346	30,105	0	2,506,377	980,826	1,163,870	110,125	251,556	0
FFS part year, with Rx claims	85,400	490	19,549	27,361	38,000	0	864,203	5,619	210,955	270,336	377,293	0
FFS part year, no Rx claims	60,076	89	4,704	16,527	38,756	0	487,302	984	42,854	133,277	310,187	0
MC all year, with Rx claims	359,847	21	75,859	103,182	180,785	0	4,081,675	219	891,617	1,158,968	2,030,871	0
MC all year, no Rx claims	208,413	9	16,215	50,191	141,998	0	2,019,845	75	167,095	467,667	1,385,008	0

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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
 MASSACHUSETTS, 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	959,612	9,959,402	391,352	3,000,220	568,260	6,959,182
FFS all year	245,876	2,506,377	245,876	2,506,377	0	0
FFS part year, with Rx claims	85,400	864,203	85,400	313,224	0	550,979
FFS part year, with no Rx claims	60,076	487,302	60,076	180,619	0	306,683
MC all year, with Rx claims	359,847	4,081,675	0	0	359,847	4,081,675
MC all year, with no Rx claims	208,413	2,019,845	0	0	208,413	2,019,845

Source: Data for this table are from the MAX 1999 file for Massachusetts, released by CMS in 12/2003. 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.