

STATISTICAL COMPENDIUM: MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 2001 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. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP

FOR ALL NONDUAL BENEFICIARIES

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

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

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

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

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

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

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

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

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

TABLE ND.11. USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG NONDUALS, BY BENEFICIARY CHARACTERISTIC

TABLE ND.12. USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG NONDUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC

TABLE ND.13. USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS FOR SELECTED DRUG CATEGORIES AMONG NONDUALS, BY BENEFICIARY CHARACTERISTIC

FOR DUAL ELIGIBLE BENEFICIARIES

- TABLE D.2. CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY
- TABLE D.3. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC
- TABLE D.4. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC
- TABLE D.5. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC
- TABLE D.6. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY
- TABLE D.7-7D. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP
- TABLE D.8. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS, BY BENEFICIARY CHARACTERISTIC
- TABLE D.9. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS, BY BRAND STATUS AND THERAPEUTIC CATEGORY
- TABLE D.10-10D. MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY TOP 10 DRUG GROUP
- TABLE D.11. USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG DUALS, BY BENEFICIARY CHARACTERISTIC
- TABLE D.12. USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG DUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC
- TABLE D.13. USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS FOR SELECTED DRUG CATEGORIES AMONG DUALS, BY BENEFICIARY CHARACTERISTIC

SUPPLEMENTAL TABLES

- SUPPLEMENTAL TABLE 1. MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES
- SUPPLEMENTAL TABLE 1A. MEDICAID PHARMACY REIMBURSEMENT FOR DISABLED DUAL ELIGIBLE BENEFICIARIES UNDER AGE 65
- SUPPLEMENTAL TABLE 1B. MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 65 AND OLDER
- SUPPLEMENTAL TABLE 1C. MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 65 TO 74
- SUPPLEMENTAL TABLE 1D. MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 75 TO 84
- SUPPLEMENTAL TABLE 1E. MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 85 AND OLDER

APPENDIX TABLE

- APPENDIX TABLE A.1. CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY, NONDUAL BENEFICIARIES
- APPENDIX TABLE A.2. MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS, NONDUAL BENEFICIARIES
- APPENDIX TABLE A.3. CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY, DUAL ELIGIBLE BENEFICIARIES
- APPENDIX TABLE A.4. MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS, DUAL ELIGIBLE BENEFICIARIES

TABLE D.2
 CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY^{a,b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	No. of Benes						No. of Bene Mos					
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown
All	198,801	86,148	110,134	2,509	10	0	2,157,027	884,241	1,246,601	26,094	91	0
Age												
5 and younger	16	12	3	0	1	0	129	99	19	0	11	0
6-14	18	2	15	0	1	0	202	19	171	0	12	0
15-20	255	1	238	8	8	0	2,813	6	2,643	96	68	0
21-44	38,258	145	36,649	1,464	0	0	430,187	1,677	413,003	15,507	0	0
45-64	48,337	375	47,190	772	0	0	543,116	3,906	531,236	7,974	0	0
65-74	39,956	20,406	19,317	233	0	0	444,878	219,445	223,187	2,246	0	0
75-84	38,031	32,675	5,326	30	0	0	403,482	341,976	61,239	267	0	0
85 and older	33,928	32,530	1,396	2	0	0	332,206	317,099	15,103	4	0	0
Unknown	2	2	0	0	0	0	14	14	0	0	0	0
Gender												
Female	124,224	64,492	58,162	1,566	4	0	1,347,186	667,025	663,676	16,451	34	0
Male	74,577	21,656	51,972	943	6	0	809,841	217,216	582,925	9,643	57	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Race												
White	157,384	70,379	85,466	1,534	5	0	1,725,431	733,137	976,004	16,245	45	0
African American	11,246	2,848	8,048	349	1	0	125,670	31,278	90,710	3,672	10	0
Other/unknown	30,171	12,921	16,620	626	4	0	305,926	119,826	179,887	6,177	36	0
Use of Nursing Facilities^c												
Entire year	32,779	29,837	2,942	0	0	0	330,207	297,859	32,348	0	0	0
Part year	16,437	12,601	3,812	24	0	0	155,902	113,176	42,476	250	0	0
None	149,585	43,710	103,380	2,485	10	0	1,670,918	473,206	1,171,777	25,844	91	0
Maintenance Assistance Status												
Cash	89,233	29,469	58,530	1,233	1	0	1,025,437	334,709	677,529	13,191	8	0
Medically needy	12,777	7,471	5,306	0	0	0	128,673	72,411	56,262	0	0	0
Poverty-related	68,706	29,760	38,939	0	7	0	734,932	302,659	432,214	0	59	0
Other/unknown	28,085	19,448	7,359	1,276	2	0	267,985	174,462	80,596	12,903	24	0
Dual Medicare Status^d												
Full dual, all year	196,500	84,010	109,974	2,506	10	0	2,131,195	860,226	1,244,811	26,067	91	0
Full dual, part year	2,301	2,138	160	3	0	0	25,832	24,015	1,790	27	0	0
Managed Care Status												
FFS all year	197,160	86,036	108,798	2,317	9	0	2,147,161	883,594	1,238,500	24,977	90	0
FFS part year, with Rx claims	1,345	73	1,118	154	0	0	8,550	470	7,127	953	0	0
FFS part year, no Rx claims	296	39	218	38	1	0	1,316	177	974	164	1	0

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

TABLE D.3
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC^{a,b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	% with at Least One Rx	Mean No. of Rx	Mean Rx \$	\$ per Rx	Mean \$, All Services	Rx \$ as % of All Services	No. of Benes
All	88.7 %	41.5	\$2,267	\$55	\$15,488	14.6 %	198,801
Age							
5 and younger	75.0	29.1	813	28	26,841	3.0	16
6-14	94.4	47.6	6,621	139	26,993	24.5	18
15-20	79.2	21.5	1,799	84	8,605	20.9	255
21-44	86.8	37.0	2,907	79	14,113	20.6	38,258
45-64	89.6	47.3	2,998	63	14,884	20.1	48,337
65-74	87.6	39.3	1,900	48	9,908	19.2	39,956
75-84	89.4	42.0	1,805	43	15,971	11.3	38,031
85 and older	90.3	40.5	1,457	36	23,970	6.1	33,928
Unknown	50.0	1.0	4	4	2,144	0.2	2
Basis of Eligibility^c							
Aged	88.4	39.5	1,628	41	18,318	8.9	86,148
Disabled	89.0	43.3	2,776	64	13,524	20.5	110,134
Adults	83.7	28.6	1,862	65	4,548	40.9	2,509
Children	80.0	34.9	5,113	147	12,952	39.5	10
Unknown	0.0	0.0	0	0	0	0.0	0
Gender							
Female	90.9	44.2	2,199	50	15,816	13.9	124,224
Male	85.2	37.0	2,380	64	14,941	15.9	74,577
Unknown	0.0	0.0	0	0	0	0.0	0
Race							
White	89.1	42.5	2,308	54	15,969	14.4	157,384
African American	86.8	36.3	2,073	57	9,734	21.3	11,246
Other/unknown	87.5	38.1	2,129	56	15,122	14.1	30,171
Use of Nursing Facilities^d							
Entire year	94.0	53.3	2,142	40	37,500	5.7	32,779
Part year	92.3	47.4	2,084	44	23,928	8.7	16,437
None	87.2	38.3	2,315	61	9,737	23.8	149,585
Maintenance Assistance Status							
Cash	89.4	39.8	2,211	56	9,764	22.6	89,233
Medically needy	83.0	36.2	1,886	52	12,360	15.3	12,777
Poverty related	88.7	43.7	2,462	56	20,344	12.1	68,706
Other/unknown	89.2	43.9	2,141	49	23,217	9.2	28,085

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.3 includes beneficiaries represented by Cell G of Table 1.
 - b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
 - c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
 - d. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.4
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC^{a,b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	Mean No. of Rx	Mean Rx \$	Rx \$ as % of All Services	No. of Rx, % with:					Mean \$, All Services	Benes	Bene Mos	
				None	More than 0, but 1 or Less	More than 1, but 2 or Less	More than 2, but 5 or Less	More than 5, but 10 or Less				More than 10
All	3.8	\$209	14.6 %	11.3 %	20.1 %	13.1 %	30.4 %	20.2 %	4.9 %	\$1,427	198,801	2,157,027
Age												
5 and younger	3.6	101	3.0	25.0	12.5	18.8	12.5	31.3	0.0	3,329	16	129
6-14	4.2	590	24.5	5.6	16.7	16.7	33.3	22.2	5.6	2,405	18	202
15-20	2.0	163	20.9	20.8	35.7	10.2	26.7	5.5	1.2	780	255	2,813
21-44	3.3	259	20.6	13.2	27.1	13.6	27.1	14.9	4.0	1,255	38,258	430,187
45-64	4.2	267	20.1	10.4	18.2	12.5	31.2	21.6	6.1	1,325	48,337	543,116
65-74	3.5	171	19.2	12.4	22.0	14.1	29.2	18.1	4.2	890	39,956	444,878
75-84	4.0	170	11.3	10.6	18.0	13.1	31.2	22.0	5.1	1,505	38,031	403,482
85 and older	4.1	149	6.1	9.7	15.3	12.5	33.3	24.6	4.7	2,448	33,928	332,206
Unknown	0.1	1	0.2	50.0	50.0	0.0	0.0	0.0	0.0	306	2	14
Basis of Eligibility^c												
Aged	3.9	159	8.9	11.6	18.4	13.1	30.7	21.5	4.8	1,785	86,148	884,241
Disabled	3.8	245	20.5	11.0	21.3	13.2	30.2	19.3	5.0	1,195	110,134	1,246,601
Adults	2.7	179	40.9	16.3	28.4	15.1	26.1	12.4	1.7	437	2,509	26,094
Children	3.8	562	39.5	20.0	0.0	20.0	40.0	20.0	0.0	1,423	10	91
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Gender												
Female	4.1	203	13.9	9.1	18.3	13.3	32.0	22.0	5.3	1,458	124,224	1,347,186
Male	3.4	219	15.9	14.8	23.3	12.9	27.7	17.2	4.1	1,376	74,577	809,841
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Race												
White	3.9	211	14.4	10.9	19.7	13.0	30.6	20.6	5.1	1,457	157,384	1,725,431
African American	3.3	186	21.3	13.2	25.2	14.5	28.9	15.1	3.2	871	11,246	125,670
Other/unknown	3.8	210	14.1	12.5	20.4	13.1	29.5	19.8	4.7	1,491	30,171	305,926
use of nursing Facilities^d												
Entire year	5.3	213	5.7	6.0	10.2	9.9	32.4	32.2	9.4	3,723	32,779	330,207
Part year	5.0	220	8.7	7.7	12.3	10.9	32.4	29.2	7.5	2,523	16,437	155,902
None	3.4	207	23.8	12.8	23.2	14.1	29.7	16.6	3.6	872	149,585	1,670,918
Maintenance Assistance Status												
Cash	3.5	192	22.6	10.6	23.8	14.4	30.2	17.2	3.8	850	89,233	1,025,437
Medically needy	3.6	187	15.3	17.0	19.6	12.5	28.4	18.4	4.1	1,227	12,777	128,673
Poverty related	4.1	230	12.1	11.3	18.1	12.4	30.7	21.9	5.6	1,902	68,706	734,932
Other/unknown	4.6	224	9.2	10.8	13.9	11.2	30.9	26.2	7.0	2,433	28,085	267,985

Table D4

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.4 includes the beneficiaries represented by Cell G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- d. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

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

TABLE D.5
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	All Rx			Patented Brand-Name Drugs			Off-Patent Brand-Name Drugs			Generic Drugs		
	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx
All	3.8	\$209	\$55	1.7	\$160	\$92	0.2	\$16	\$67	1.8	\$32	\$18
Age												
5 and younger	3.6	101	28	1.0	77	75	1.1	8	8	1.5	16	11
6-14	4.2	590	139	2.6	504	197	0.5	60	133	1.2	22	18
15-20	2.0	163	84	1.0	140	134	0.1	12	83	0.8	11	15
21-44	3.3	259	79	1.6	200	126	0.2	24	100	1.4	34	23
45-64	4.2	267	63	2.0	208	103	0.2	21	85	1.9	37	19
65-74	3.5	171	48	1.7	131	79	0.2	11	60	1.7	28	17
75-84	4.0	170	43	1.7	128	74	0.2	11	45	2.0	30	16
85 and older	4.1	149	36	1.6	109	67	0.3	11	35	2.2	29	13
Unknown	0.1	1	4	0.0	0	0	0.0	0	0	0.1	1	4
Basis of Eligibility^d												
Aged	3.9	159	41	1.7	120	72	0.2	10	41	1.9	29	15
Disabled	3.8	245	64	1.8	189	105	0.2	20	85	1.8	35	20
Adults	2.7	179	65	1.4	145	106	0.1	11	92	1.2	22	18
Children	3.8	562	147	1.7	386	228	0.4	122	300	1.6	46	28
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Gender												
Female	4.1	203	50	1.8	155	84	0.3	15	60	2.0	32	16
Male	3.4	219	64	1.6	168	107	0.2	18	79	1.6	33	21
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Race												
White	3.9	211	54	1.8	160	91	0.2	17	68	1.9	33	18
African American	3.3	186	57	1.5	148	96	0.2	11	65	1.5	26	17
Other/unknown	3.8	210	56	1.7	165	94	0.2	15	62	1.8	30	17
Use of Nursing Facilities^e												
Entire year	5.3	213	40	2.1	159	74	0.4	14	37	2.7	39	14
Part year	5.0	220	44	2.1	167	78	0.3	15	44	2.5	38	15
None	3.4	207	61	1.6	160	98	0.2	17	82	1.6	30	19
Maintenance Assistance Status												
Cash	3.5	192	56	1.6	147	91	0.2	15	74	1.6	30	18
Medically needy	3.6	187	52	1.6	141	88	0.2	15	64	1.7	31	18
Poverty related	4.1	230	56	1.8	178	97	0.3	17	65	2.0	35	18
Other/unknown	4.6	224	49	2.0	171	85	0.3	18	54	2.2	35	16

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.5 includes the beneficiaries represented by Cell G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. In Massachusetts, 0.7 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).
- d. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- e. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

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

TABLE D.6

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			\$ per Rx			Users							
	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	Total No. of Rx	Total Rx \$	No. Dual Benes	As % of Benes	No. of Bene Mos		
																Generic	Patented Brand-Name
Anti-infective Agents	0.3	0.2	0.0	0.1	\$30	\$28	\$0	\$2	\$91	\$152	\$92	\$12	370,249	\$33,686,308	99,586	50.1 %	1,122,094
Biologics	0.1	0.1	0.0	0.1	87	7	26	54	582	90	2,107	892	1,158	673,867	683	0.3	7,789
Antineoplastic Agents	0.5	0.3	0.1	0.2	102	71	21	9	190	281	166	61	38,573	7,316,970	6,889	3.5	72,052
Endocrine/Metabolic Drugs	0.9	0.4	0.0	0.4	31	26	1	4	36	60	25	10	707,510	25,231,514	73,598	37.0	826,406
Cardiovascular Agents	1.5	0.6	0.1	0.8	49	33	3	13	33	58	41	16	1,853,301	60,900,704	111,208	55.9	1,236,333
Respiratory Agents	0.8	0.5	0.0	0.3	36	30	0	6	47	60	38	22	516,475	24,332,451	59,778	30.1	678,318
Gastrointestinal Agents	0.6	0.3	0.0	0.3	47	39	2	6	73	128	83	18	520,175	38,008,121	72,634	36.5	809,054
Genitourinary Agents	0.4	0.3	0.0	0.1	23	21	0	2	51	62	38	17	116,752	5,936,836	23,296	11.7	263,349
CNS Drugs	1.5	0.7	0.1	0.6	112	83	14	15	77	112	116	26	1,774,473	136,292,479	109,550	55.1	1,218,332
Stimulants/Anti-obesity/Anorexia	0.5	0.2	0.0	0.2	43	33	3	7	94	148	67	36	11,352	1,068,476	2,166	1.1	24,789
Miscellaneous Psychological/Neurological Agents	0.6	0.6	0.0	0.0	77	77	0	0	125	131	30	17	38,318	4,800,912	5,817	2.9	61,996
Analgesics and Anesthetics	0.7	0.3	0.0	0.4	36	29	3	5	54	109	70	13	693,261	37,472,042	92,245	46.4	1,033,041
Neuromuscular Agents	1.0	0.5	0.1	0.5	57	46	3	9	55	95	48	18	710,709	39,250,463	60,385	30.4	683,177
Nutritional Products	0.5	0.0	0.1	0.4	9	1	3	6	17	12	29	15	140,626	2,362,549	24,269	12.2	260,136
Hematological Agents	0.8	0.1	0.2	0.5	37	26	2	9	46	220	13	17	259,374	11,932,085	29,715	14.9	321,942
Topical Products	0.5	0.2	0.0	0.2	16	11	1	3	35	53	41	15	423,070	14,688,669	81,225	40.9	920,903
Miscellaneous Products	0.4	0.2	0.1	0.1	80	55	17	9	217	329	272	63	25,457	5,512,922	6,185	3.1	68,534
Unknown Therapeutic Category	0.3	0.0	0.0	0.0	8	0	0	0	24	0	0	0	51,243	1,223,595	13,177	6.6	149,597
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.	8,252,076	450,690,963	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.6 includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2001. A beneficiary who used drugs from two or more categories was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. For information about these therapeutic categories, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mdmb.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, 0.7 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_mdmb.asp (May 13 2003).

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

TABLE D.7
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Top 10 Drug Groups	Users				Among Users		
	Total Medicaid Rx \$	No.	As % of Dual Benes	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo
ANTIPSYCHOTICS	\$74,122,807	61,444	30.9 %	692,714	0.9	\$126	\$107
ANTIDEPRESSANTS	49,467,867	110,132	55.4	1,234,200	0.6	62	40
ANTICONVULSANT	34,334,439	58,693	29.5	668,006	0.8	63	51
ULCER DRUGS	32,271,692	70,908	35.7	796,287	0.5	83	41
ANTIHYPERTENSIVE	21,937,986	39,221	19.7	451,955	0.6	82	49
ANTIVIRAL	20,388,006	10,456	5.3	120,470	0.5	343	169
ANALGESICS - Narcotic	19,819,865	84,366	42.4	943,055	0.4	56	21
ANTIIDIABETIC	18,488,651	51,592	26.0	581,327	0.7	48	32
ANTIASTHMATIC	15,920,028	70,300	35.4	792,126	0.4	46	20
ANTIHYPERTENSIVE	15,289,344	60,585	30.5	682,395	0.6	36	22
Total	302,040,685	617,697	n.a.	6,962,535	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

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

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

TABLE D.7A
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BOE, AND AGE^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ANTIDEPRESSANTS			
	No. of Rx	Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	4,154,967	\$302,040,685	61,444	30.9 %	692,714	0.9	\$107	110,132	55.4 %	1,234,200	0.6	\$40
Female	2,599,053	173,738,084	36,386	29.3	407,933	0.8	90	73,566	59.2	823,819	0.7	40
Disabled	1,491,036	111,438,251	20,747	35.7	242,609	0.8	105	41,512	71.4	483,544	0.6	43
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	49	2,025	0	0.0	0	0.0	0	1	12.5	12	0.1	1
15-20	1,060	103,520	32	33.0	370	0.7	113	49	50.5	563	0.4	24
21-44	404,679	34,833,371	8,339	52.4	97,779	0.9	111	13,560	85.2	157,804	0.6	44
45-64	689,782	51,951,066	9,019	37.8	105,642	0.9	109	19,833	83.1	231,086	0.7	46
65-74	290,131	18,452,149	2,280	17.7	26,647	0.8	84	6,009	46.6	70,574	0.6	35
75-84	86,134	5,052,246	813	19.3	9,386	0.7	77	1,560	37.0	18,111	0.6	33
85 and older	19,201	1,043,874	264	22.3	2,785	0.7	64	500	42.3	5,394	0.6	32
Other Eligibles	1,108,017	62,299,833	15,639	23.7	165,324	0.7	69	32,054	48.5	340,275	0.7	35
5 and younger	85	2,672	1	9.1	12	0.1	1	4	36.4	36	0.8	33
6-14	33	746	2	100.0	19	0.2	2	1	50.0	12	0.3	3
15-20	175	14,072	6	66.7	68	0.4	67	9	100.0	100	0.6	44
21-44	18,638	1,435,264	328	31.4	3,763	0.5	58	937	89.7	10,600	0.5	34
45-64	12,748	881,428	147	25.5	1,618	0.9	91	438	75.9	4,938	0.6	40
65-74	229,630	14,233,372	2,197	16.6	24,281	0.8	86	4,954	37.4	55,285	0.6	34
75-84	431,141	24,764,666	5,651	23.8	60,478	0.7	74	11,234	47.2	120,434	0.7	35
85 and older	415,567	20,967,613	7,307	26.7	75,085	0.6	59	14,477	52.9	148,870	0.7	35
Male	1,555,914	128,302,601	25,058	33.6	284,781	1.0	131	36,566	49.0	410,381	0.6	41
Disabled	1,197,748	107,421,951	20,095	38.7	234,445	1.0	142	27,409	52.7	317,408	0.6	42
5 and younger	8	221	1	33.3	3	0.3	1	1	33.3	3	0.7	40
6-14	161	14,749	3	42.9	36	0.1	8	2	28.6	24	0.3	19
15-20	1,699	140,674	58	41.1	674	0.7	103	58	41.1	664	0.6	33
21-44	456,246	47,254,571	10,299	49.7	120,404	1.0	145	12,054	58.1	140,010	0.6	44
45-64	591,764	50,728,917	8,524	36.5	99,469	1.1	145	12,977	55.6	150,052	0.7	43
65-74	124,669	7,900,399	938	14.6	10,850	0.9	100	1,909	29.7	22,119	0.6	34
75-84	20,368	1,225,887	220	19.8	2,440	0.8	96	332	29.8	3,751	0.6	34
85 and older	2,833	156,533	52	24.3	569	0.6	66	76	35.5	785	0.6	30
Other Eligibles	358,166	20,880,650	4,963	22.0	50,336	0.7	78	9,157	40.5	92,973	0.7	36
5 and younger	12	190	1	50.0	9	0.1	3	0	0.0	0	0.0	0
6-14	25	5,244	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	43	4,300	2	25.0	24	0.7	163	1	12.5	8	0.5	4
21-44	9,171	918,914	157	27.8	1,793	0.6	92	342	60.6	3,826	0.5	37
45-64	12,275	884,312	177	31.1	1,934	0.9	112	326	57.2	3,470	0.7	42
65-74	113,921	7,040,626	1,246	16.9	13,327	0.8	94	2,297	31.1	24,605	0.7	37
75-84	148,280	8,310,433	1,966	22.0	19,966	0.7	74	3,652	40.9	37,008	0.7	35
85 and older	74,439	3,716,631	1,414	27.5	13,283	0.6	61	2,539	49.3	24,056	0.7	33
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 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

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

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

TABLE D.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}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	ANTICONVULSANT					ULCER DRUGS					ANTIHYPERTENSIVE				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean Rx	Mean No. of Rx	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean Rx	Mean No. of Rx	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean Rx	Mean No. of Rx
All	58,693	29.5 %	668,006	0.8	0.8	70,908	35.7 %	796,287	0.5	0.5	39,221	19.7 %	451,955	0.6	0.6
Female	34,740	28.0	394,937	0.8	0.8	47,827	38.5	537,695	0.5	0.5	25,306	20.4	292,259	0.6	0.6
Disabled	23,276	40.0	271,678	0.8	0.8	23,569	40.5	274,970	0.5	0.5	13,569	23.3	159,010	0.6	0.6
5 and younger	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0
6-14	0	0.0	0	0.0	0.0	4	50.0	48	0.5	0.5	1	12.5	12	0.5	0.5
15-20	35	36.1	411	0.6	0.6	18	18.6	216	0.4	0.4	2	2.1	17	0.4	0.4
21-44	9,158	57.6	106,758	0.8	0.8	4,899	30.8	57,222	0.4	0.4	1,069	6.7	12,593	0.6	0.6
45-64	10,697	44.8	125,034	0.8	0.8	10,351	43.4	120,554	0.5	0.5	6,196	26.0	72,137	0.6	0.6
65-74	2,544	19.7	29,777	0.7	0.7	5,882	45.6	69,003	0.4	0.4	4,916	38.1	57,983	0.6	0.6
75-84	683	16.2	7,964	0.7	0.7	1,900	45.1	22,159	0.5	0.5	1,224	29.1	14,427	0.6	0.6
85 and older	159	13.5	1,734	0.7	0.7	515	43.6	5,768	0.5	0.5	161	13.6	1,841	0.6	0.6
Other Eligibles	11,464	17.4	123,259	0.7	0.7	24,258	36.7	262,725	0.5	0.5	11,737	17.8	133,249	0.6	0.6
5 and younger	3	27.3	36	0.5	0.5	2	18.2	7	1.0	1.0	0	0.0	0	0.0	0.0
6-14	1	50.0	12	1.0	1.0	3	150.0	21	0.6	0.6	0	0.0	0	0.0	0.0
15-20	4	44.4	48	0.7	0.7	2	22.2	18	0.4	0.4	0	0.0	0	0.0	0.0
21-44	482	46.1	5,454	0.6	0.6	293	28.0	3,324	0.3	0.3	53	5.1	615	0.5	0.5
45-64	203	35.2	2,327	0.7	0.7	219	38.0	2,454	0.4	0.4	92	15.9	1,055	0.5	0.5
65-74	2,340	17.7	26,186	0.8	0.8	4,717	35.6	53,443	0.4	0.4	4,080	30.8	46,810	0.6	0.6
75-84	4,437	18.7	48,027	0.7	0.7	8,984	37.8	98,944	0.5	0.5	5,452	22.9	62,218	0.6	0.6
85 and older	3,994	14.6	41,169	0.7	0.7	10,038	36.7	104,514	0.6	0.6	2,060	7.5	22,551	0.6	0.6
Male	23,953	32.1	273,069	0.8	0.8	23,081	30.9	258,592	0.5	0.5	13,915	18.7	159,696	0.6	0.6
Disabled	19,364	37.3	225,196	0.9	0.9	15,225	29.3	176,261	0.5	0.5	9,982	19.2	115,899	0.6	0.6
5 and younger	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0
6-14	3	42.9	36	1.0	1.0	5	71.4	60	0.4	0.4	1	14.3	12	0.8	0.8
15-20	41	29.1	479	0.9	0.9	19	13.5	218	0.3	0.3	3	2.1	36	0.4	0.4
21-44	9,338	45.0	108,961	0.8	0.8	4,761	23.0	55,389	0.5	0.5	1,953	9.4	22,754	0.6	0.6
45-64	8,649	37.1	100,428	0.9	0.9	7,600	32.6	87,722	0.5	0.5	5,703	24.4	65,888	0.6	0.6
65-74	1,114	17.3	12,826	0.7	0.7	2,360	36.7	27,358	0.4	0.4	2,050	31.9	24,040	0.6	0.6
75-84	188	16.9	2,148	0.8	0.8	412	37.0	4,747	0.5	0.5	256	23.0	2,987	0.6	0.6
85 and older	31	14.5	318	0.6	0.6	68	31.8	767	0.5	0.5	16	7.5	182	0.6	0.6
Other Eligibles	4,589	20.3	47,873	0.8	0.8	7,856	34.8	82,331	0.5	0.5	3,933	17.4	43,797	0.6	0.6
5 and younger	0	0.0	0	0.0	0.0	1	50.0	9	1.0	1.0	0	0.0	0	0.0	0.0
6-14	0	0.0	0	0.0	0.0	1	100.0	12	0.2	0.2	1	100.0	12	0.7	0.7
15-20	2	25.0	24	0.5	0.5	0	0.0	0	0.0	0.0	1	12.5	8	0.5	0.5
21-44	216	38.3	2,430	0.7	0.7	136	24.1	1,499	0.4	0.4	53	9.4	605	0.5	0.5
45-64	215	37.7	2,409	1.0	1.0	174	30.5	1,865	0.5	0.5	130	22.8	1,395	0.6	0.6
65-74	1,419	19.2	15,174	0.8	0.8	2,340	31.7	25,616	0.5	0.5	1,724	23.3	19,484	0.6	0.6
75-84	1,782	20.0	18,559	0.8	0.8	3,369	37.8	35,577	0.5	0.5	1,660	18.6	18,478	0.6	0.6
85 and older	955	18.5	9,277	0.7	0.7	1,835	35.6	17,753	0.6	0.6	364	7.1	3,815	0.6	0.6
Unknown	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0

Table D7B

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

TABLE D.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}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	ANTIVIRAL					ANALGESICS - Narcotic					ANTIDIABETIC				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	10,456	5.3 %	120,470	0.5	\$169	84,366	42.4 %	943,055	0.4	\$21	51,592	26.0 %	581,327	0.7	\$32
Female	4,049	3.3	47,059	0.4	112	54,465	43.8	607,364	0.4	18	33,729	27.2	381,203	0.7	31
Disabled	3,063	5.3	35,784	0.4	136	32,474	55.8	378,461	0.4	20	16,993	29.2	197,895	0.7	36
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	2	25.0	24	0.4	6	3	37.5	36	0.1	1	0	0.0	0	0.0	0
15-20	6	6.2	72	0.2	112	33	34.0	394	0.2	4	0	0.0	0	0.0	0
21-44	1,464	9.2	17,083	0.5	158	9,920	62.3	115,563	0.4	23	1,738	10.9	20,349	0.7	35
45-64	1,255	5.3	14,673	0.4	137	14,495	60.8	169,309	0.4	23	7,595	31.8	88,098	0.7	37
65-74	256	2.0	3,009	0.2	46	5,831	45.2	68,267	0.3	14	5,789	44.9	67,917	0.6	36
75-84	57	1.4	675	0.1	12	1,793	42.6	20,668	0.3	11	1,578	37.5	18,320	0.6	30
85 and older	23	1.9	248	0.1	10	399	33.8	4,224	0.4	14	293	24.8	3,211	0.6	24
Other Eligibles	986	1.5	11,275	0.2	37	21,991	33.3	228,903	0.4	15	16,736	25.3	183,308	0.7	27
5 and younger	0	0.0	0	0.0	0	5	45.5	43	0.3	5	2	18.2	18	1.0	6
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	3	33.3	36	0.4	8	1	11.1	10	0.8	61
21-44	109	10.4	1,246	0.4	132	862	82.5	9,872	0.4	19	104	10.0	1,162	0.6	34
45-64	35	6.1	420	0.7	237	351	60.8	4,015	0.4	14	169	29.3	1,918	0.6	32
65-74	176	1.3	2,068	0.2	28	4,375	33.0	49,138	0.3	14	4,569	34.5	51,814	0.6	32
75-84	324	1.4	3,736	0.1	13	7,608	32.0	81,494	0.4	16	7,280	30.6	80,484	0.7	27
85 and older	342	1.2	3,805	0.1	11	8,787	32.1	84,305	0.4	16	4,611	16.8	47,902	0.7	21
Male	6,407	8.6	73,411	0.6	206	29,901	40.1	335,691	0.4	26	17,863	24.0	200,124	0.6	33
Disabled	6,096	11.7	69,867	0.6	212	23,428	45.1	270,592	0.4	28	11,802	22.7	135,994	0.7	36
5 and younger	0	0.0	0	0.0	0	1	33.3	12	0.1	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	2	28.6	24	0.8	93	0	0.0	0	0.0	0
15-20	1	0.7	12	0.3	4	55	39.0	648	0.2	15	3	2.1	34	0.8	29
21-44	3,392	16.4	38,805	0.6	205	9,345	45.1	108,417	0.4	32	2,165	10.4	25,121	0.7	35
45-64	2,567	11.0	29,441	0.6	228	11,210	48.0	129,069	0.4	29	6,689	28.7	76,711	0.7	36
65-74	120	1.9	1,417	0.5	112	2,414	37.6	27,909	0.3	13	2,550	39.7	29,649	0.6	35
75-84	14	1.3	168	0.3	65	346	31.1	3,928	0.3	14	353	31.7	4,039	0.6	30
85 and older	2	0.9	24	0.1	8	55	25.7	585	0.3	8	42	19.6	440	0.6	20
Other Eligibles	311	1.4	3,544	0.3	83	6,473	28.6	65,099	0.3	16	6,061	26.8	64,130	0.6	26
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	2	200.0	24	0.3	168	1	100.0	12	0.2	1	0	0.0	0	0.0	0
15-20	1	12.5	8	0.1	1	2	25.0	24	0.1	0	2	25.0	16	0.3	3
21-44	56	9.9	660	0.5	222	336	59.6	3,717	0.5	51	78	13.8	833	0.6	33
45-64	17	3.0	193	0.6	286	257	45.1	2,797	0.4	24	163	28.6	1,741	0.7	36
65-74	84	1.1	967	0.2	51	2,039	27.6	21,955	0.3	13	2,170	29.4	23,850	0.6	30
75-84	93	1.0	1,060	0.2	31	2,421	27.1	24,307	0.3	14	2,560	28.7	27,139	0.7	26
85 and older	58	1.1	632	0.1	9	1,417	27.5	12,287	0.3	11	1,088	21.1	10,551	0.7	20
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Table D7C

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

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

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

TABLE D.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}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	ANTIASTHMATIC				ANTIHYPERTENSIVE				Mean Rx \$	Mean No. of Rx	Users as % of Dual Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	Users as % of Dual Benes	No. of Bene Mos among Users	No. of Bene Mos
	No. of Users	35.4 %	792,126	0.4	Mean Rx \$	Mean No. of Rx	Users as % of Dual Benes	No. of Bene Mos among Users									
All	70,300	35.4 %	792,126	0.4	\$20	0.4	\$20	60,585	30.5 %	682,395	0.6	\$22	198,801	2,157,027			
Female	47,437	38.2	535,699	0.4	20	0.4	20	38,863	31.3	437,502	0.6	23	124,223	1,347,184			
Disabled	26,808	46.1	312,556	0.4	21	0.4	21	16,408	28.2	191,347	0.6	23	58,162	663,676			
5 and younger	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0			
6-14	2	25.0	24	0.2	13	0.2	13	0	0.0	0	0.0	0	8	88			
15-20	28	28.9	324	0.2	11	0.2	11	10	10.3	120	0.5	11	97	1,092			
21-44	6,108	38.4	71,272	0.3	16	0.3	16	1,543	9.7	17,962	0.6	16	15,913	180,271			
45-64	12,245	51.3	142,856	0.4	21	0.4	21	6,573	27.6	76,161	0.6	22	23,854	270,957			
65-74	6,257	48.5	73,054	0.5	23	0.5	23	5,934	46.0	69,850	0.6	24	12,895	149,791			
75-84	1,791	42.5	20,837	0.5	22	0.5	22	1,913	45.4	22,416	0.6	25	4,213	48,654			
85 and older	377	31.9	4,189	0.4	19	0.4	19	435	36.8	4,838	0.7	24	1,182	12,823			
Other Eligibles	20,629	31.2	223,143	0.4	18	0.4	18	22,455	34.0	246,155	0.6	23	66,061	683,508			
5 and younger	1	9.1	12	0.2	2	0.2	2	0	0.0	0	0.0	0	11	98			
6-14	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	2	19			
15-20	5	55.6	50	0.5	21	0.5	21	0	0.0	0	0.0	0	9	89			
21-44	385	36.8	4,420	0.3	14	0.3	14	109	10.4	1,283	0.5	17	1,045	11,238			
45-64	268	46.4	2,989	0.4	20	0.4	20	158	27.4	1,827	0.6	20	577	6,031			
65-74	4,503	34.0	50,342	0.5	22	0.5	22	5,078	38.3	57,615	0.6	24	13,250	143,734			
75-84	7,666	32.2	84,779	0.5	20	0.5	20	9,057	38.1	101,143	0.6	24	23,786	252,027			
85 and older	7,801	28.5	80,551	0.4	15	0.4	15	8,053	29.4	84,287	0.7	22	27,381	270,272			
Male	22,863	30.7	256,427	0.5	21	0.5	21	21,722	29.1	244,893	0.6	22	74,576	809,829			
Disabled	15,013	28.9	173,835	0.5	22	0.5	22	13,207	25.4	152,759	0.6	22	51,972	582,925			
5 and younger	0	0.0	0	0.0	0	0.0	0	1	33.3	12	0.3	5	3	19			
6-14	5	71.4	60	0.7	69	0.7	69	4	57.1	48	0.4	13	7	83			
15-20	22	15.6	261	0.3	11	0.3	11	10	7.1	117	0.4	10	141	1,551			
21-44	3,998	19.3	46,574	0.4	17	0.4	17	2,472	11.9	28,803	0.6	19	20,736	232,732			
45-64	7,679	32.9	88,670	0.5	23	0.5	23	7,086	30.4	81,517	0.6	22	23,336	260,279			
65-74	2,742	42.7	31,794	0.5	27	0.5	27	3,051	47.5	35,551	0.6	23	6,422	73,396			
75-84	497	44.7	5,740	0.5	21	0.5	21	515	46.3	5,957	0.6	23	1,113	12,585			
85 and older	70	32.7	736	0.5	20	0.5	20	68	31.8	754	0.7	20	214	2,280			
Other Eligibles	7,850	34.7	82,592	0.5	20	0.5	20	8,515	37.7	92,134	0.6	22	22,604	226,904			
5 and younger	1	50.0	9	0.2	4	0.2	4	0	0.0	0	0.0	0	2	12			
6-14	0	0.0	0	0.0	0	0.0	0	1	100.0	12	0.6	12	1	12			
15-20	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	8	81			
21-44	132	23.4	1,450	0.4	19	0.4	19	79	14.0	888	0.5	17	564	5,946			
45-64	148	26.0	1,657	0.4	19	0.4	19	172	30.2	1,861	0.6	20	570	5,849			
65-74	2,315	31.3	25,298	0.5	23	0.5	23	2,959	40.0	32,906	0.6	22	7,389	77,957			
75-84	3,369	37.8	35,628	0.5	20	0.5	20	3,677	41.2	40,116	0.6	22	8,919	90,216			
85 and older	1,885	36.6	18,550	0.4	16	0.4	16	1,627	31.6	16,351	0.7	21	5,151	46,831			
Unknown	0	0.0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	2	14			

Table D7D

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

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

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

TABLE D.8
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BENEFICIARY CHARACTERISTIC^{a, b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	Rx \$ per Bene Mo	No. of Rx per Bene Mo	Bene Mo	No. of All-Year NF Residents	Bene Mos among All-Year NF Residents
All	\$213	5.3		32,779	330,207
Age					
0-64	384	6.6		1,715	19,320
65-74	307	6.5		3,314	34,818
75-84	232	5.7		9,943	100,472
85 and older	164	4.7		17,806	175,595
Unknown	0	0.0		1	2
Gender					
Female	202	5.2		25,268	256,377
Male	249	5.6		7,511	73,830
Unknown	0	0.0		0	0
Race					
White	216	5.3		25,270	256,984
African American	270	5.8		515	5,451
Other/unknown	194	5.1		6,994	67,772
Basis of Eligibility^c					
Aged	199	5.2		29,837	297,859
Disabled	337	6.4		2,942	32,348
Adults	0	0.0		0	0
Children	0	0.0		0	0
Unknown	0	0.0		0	0

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

a. Table D.8 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their 2001 Medicaid enrollment. A total of 16,437 beneficiaries who were in nursing facilities for part of their enrollment and their 155,902 benefit months were excluded from the analysis. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

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

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

TABLE D.9
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d, e}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			Total # of Rx			Total Rx \$			Users				
	Total	Patented	Off-Patent	Total	Patented	Off-Patent	Total	Patented	Off-Patent	Generic	Total	Patented	Off-Patent	Generic	No. of Bene Mos	As % of Dual All-Year NF Residents	
Anti-infective Agents	0.3	0.2	0.0	0.1	\$15	\$14	\$0	\$1	\$45	\$72	\$41	\$10	70,281	\$3,178,395	19,908	60.7	210,240
Biologics	0.1	0.0	0.0	0.1	2	0	0	2	23	55	0	23	168	3,927	162	0.5	1,773
Antineoplastic Agents	0.6	0.2	0.2	0.1	85	36	38	10	145	181	159	72	12,447	1,805,868	2,202	6.7	21,282
Endocrine/Metabolic Drugs	1.0	0.4	0.0	0.6	24	19	0	5	23	46	21	7	132,825	3,070,915	12,190	37.2	126,987
Cardiovascular Agents	1.8	0.5	0.2	1.2	36	19	3	14	20	40	19	12	393,099	7,871,734	21,046	64.2	216,917
Respiratory Agents	0.8	0.4	0.0	0.4	28	19	0	8	36	53	30	21	74,101	2,666,831	8,920	27.2	94,159
Gastrointestinal Agents	0.8	0.3	0.0	0.5	41	30	2	9	48	103	58	17	128,469	6,206,890	14,560	44.4	151,211
Genitourinary Agents	0.6	0.4	0.0	0.2	25	21	0	4	45	55	33	23	31,108	1,413,732	5,184	15.8	55,654
CNS Drugs	1.5	0.9	0.1	0.6	103	86	7	10	66	94	89	18	367,534	24,437,851	22,887	69.8	238,286
Stimulants/Anti-obesity/Anorexia	0.4	0.1	0.0	0.3	21	16	2	3	52	138	46	14	1,004	52,194	233	0.7	2,524
Miscellaneous Psychological/Neurological Agents	0.7	0.7	0.0	0.0	76	76	0	0	107	108	0	6	16,869	1,813,005	2,313	7.1	23,921
Analgesics and Anesthetics	0.7	0.4	0.0	0.3	34	29	1	3	45	78	36	9	90,876	4,115,434	12,394	37.8	122,396
Neuromuscular Agents	1.2	0.6	0.1	0.6	58	41	3	13	49	73	50	24	134,382	6,544,327	10,660	32.5	113,659
Nutritional Products	0.7	0.0	0.1	0.6	10	0	2	8	15	11	27	14	49,451	765,244	7,457	22.7	75,605
Hematological Agents	1.2	0.1	0.4	0.8	26	18	3	5	21	150	7	7	119,025	2,537,366	9,263	28.3	96,369
Topical Products	0.6	0.2	0.0	0.3	17	11	2	5	30	48	43	15	112,983	3,366,824	18,109	55.2	194,795
Miscellaneous Products	0.2	0.1	0.0	0.2	14	8	0	6	55	102	186	33	3,942	217,010	1,523	4.6	15,805
Unknown Therapeutic Category	0.3	0.0	0.0	0.0	6	0	0	0	19	0	0	0	7,805	145,126	2,448	7.5	26,127
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.	1,746,369	70,212,673	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.9 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 16,437 beneficiaries who were in nursing facilities for part of their enrollment and their 155,902 benefit months were excluded from the analysis.
- b. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2001. A beneficiary who used drugs from two or more categories was counted as a user for each category. Therefore, the sum of users across categories may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- d. For information about these therapeutic categories, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (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, 0.7 percent of drug claims have missing values for brand status. Thus, the sum of the three groups in this table may be smaller than all prescriptions combined.

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

TABLE D.10
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,
 BY TOP-10 DRUG GROUP^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Top 10 Drug Groups in Nursing Facilities	Users				Among Users		
	Total Medicaid Rx \$	No. of Users	As % of All-Year NF Residents	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo
ANTIPSYCHOTICS	\$12,909,893	13,892	42.4 %	148,709	0.8	\$113	\$87
ANTIDEPRESSANTS	9,818,690	22,937	70.0	242,218	0.8	52	41
ULCER DRUGS	5,294,561	12,831	39.1	133,901	0.7	60	40
ANTICONVULSANT	5,034,178	10,097	30.8	109,195	0.9	51	46
ANALGESICS - Narcotic	2,240,186	10,347	31.6	98,596	0.5	47	23
ANTIHYPERTENSIVE	2,124,893	8,791	26.8	91,137	0.8	29	23
DERMATOLOGICAL	2,049,873	21,145	64.5	232,473	0.3	34	9
ANTI-DIABETIC	2,024,973	7,933	24.2	83,042	0.8	30	24
ANTI-ASTHMATIC	1,978,935	11,580	35.3	121,317	0.5	35	16
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	1,813,005	2,310	7.0	23,909	0.7	107	76
Total	45,289,187	121,863		1,284,497	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

a. Table D.10 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 16,437 beneficiaries who were in nursing facilities for part of their enrollment and their 155,902 benefit months were excluded from the analysis.

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

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

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

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

TABLE D.10A

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED AND FIRST AND SECOND TOP DRUG GROUPS SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	All Top 10 Drug Groups						ANTIPSYCHOTICS						ANTIDEPRESSANTS					
	No. of Rx	Rx \$	No. of Users	Users as %			Mean Rx \$	Mean No. of Rx	No. of Bene Mos among Users	NF Residents	All-Year Residents	No. of Bene Mos among Users	NF Residents	All-Year Residents	Mean No. of Rx	Mean Rx \$		
				13,892	42.4 %	148,709											0.8	\$87
All	815,630	\$45,289,187	13,892	42.4 %	148,709	0.8	\$87	22,937	70.0 %	242,218	0.8	\$41						
Female	607,143	33,075,477	10,413	41.2	112,059	0.8	83	17,685	70.0	187,796	0.8	40						
Disabled	62,698	4,177,148	1,019	59.3	11,548	0.9	123	1,298	75.5	14,576	0.8	50						
64 or younger	31,897	2,306,155	464	62.0	5,401	1.0	135	593	79.3	6,883	0.9	57						
65-74	13,311	864,560	217	68.7	2,470	0.9	133	262	82.9	2,935	0.8	49						
75-84	9,714	601,245	190	62.5	2,143	0.9	114	215	70.7	2,355	0.8	45						
85 and older	7,776	405,188	148	42.2	1,534	0.8	80	228	65.0	2,403	0.8	38						
Other Eligibles	544,445	28,898,329	9,394	39.9	100,511	0.7	78	16,387	69.6	173,220	0.8	39						
64 or younger	1,920	113,913	34	59.6	338	1.2	115	42	73.7	458	0.9	49						
65-74	60,214	3,626,410	991	60.7	11,078	0.9	113	1,306	80.0	14,306	0.8	44						
75-84	191,328	10,613,527	3,293	47.6	35,919	0.8	85	5,364	77.6	57,189	0.8	41						
85 and older	290,983	14,544,479	5,076	34.0	53,176	0.7	66	9,675	64.7	101,267	0.8	37						
Male	208,487	12,213,710	3,479	46.3	36,650	0.8	100	5,252	69.9	54,422	0.8	42						
Disabled	48,538	3,483,323	777	63.5	8,945	1.0	143	848	69.3	9,650	0.8	49						
64 or younger	35,945	2,674,449	529	61.7	6,165	1.1	154	616	71.8	7,117	0.8	51						
65-74	8,628	563,972	154	73.7	1,776	1.0	127	149	71.3	1,652	0.8	43						
75-84	2,682	172,121	58	64.4	596	1.0	123	50	55.6	553	0.8	49						
85 and older	1,283	72,781	36	54.5	408	0.7	73	33	50.0	328	0.8	35						
Other Eligibles	159,949	8,730,387	2,702	43.0	27,705	0.8	86	4,404	70.0	44,772	0.8	41						
64 or younger	1,892	151,674	28	53.8	293	0.9	149	47	90.4	483	0.8	50						
65-74	39,534	2,401,352	651	56.3	7,079	0.9	112	935	80.9	10,011	0.9	48						
75-84	70,377	3,809,746	1,135	43.1	11,735	0.7	84	1,887	71.6	19,386	0.8	41						
85 and older	48,146	2,367,615	888	36.3	8,598	0.7	67	1,535	62.8	14,892	0.8	36						
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 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

a. Table D.10A includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 16,437 beneficiaries who were in nursing facilities for part of their enrollment and their 155,902 benefit months were excluded from the analysis.

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

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

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

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

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

Beneficiary Characteristics	ULCER DRUGS					ANTICONVULSANT					ANALGESICS - Narcotic				
	Users as %			Mean		Users as %			Mean		Users as %			Mean	
	No. of Users	No. of Bene Users	No. of Bene Mos among Users	No. of Rx	Rx \$	No. of Users	No. of Bene Users	No. of Bene Mos among Users	No. of Rx	Rx \$	No. of Users	No. of Bene Users	No. of Bene Mos among Users	No. of Rx	Rx \$
All	12,831	39.1 %	133,901	0.7	\$40	10,097	30.8 %	109,195	0.9	\$46	10,347	31.6 %	98,596	0.5	\$23
Female	9,671	38.3	101,629	0.7	38	6,948	27.5	75,322	0.9	42	8,210	32.5	78,960	0.5	24
Disabled	755	43.9	8,344	0.7	43	1,022	59.5	11,592	1.0	67	572	33.3	5,920	0.6	32
64 or younger	328	43.9	3,747	0.7	47	650	86.9	7,494	1.1	75	241	32.2	2,692	0.6	37
65-74	154	48.7	1,670	0.7	40	179	56.6	2,000	1.0	59	120	38.0	1,218	0.6	37
75-84	127	41.8	1,345	0.7	45	124	40.8	1,405	1.0	47	101	33.2	962	0.5	21
85 and older	146	41.6	1,582	0.6	34	69	19.7	693	0.8	38	110	31.3	1,048	0.5	23
Other Eligibles	8,916	37.9	93,285	0.7	38	5,926	25.2	63,730	0.8	38	7,638	32.4	73,040	0.5	23
64 or younger	24	42.1	245	0.6	48	39	68.4	443	0.9	39	19	33.3	197	0.6	43
65-74	703	43.0	7,653	0.7	42	909	55.7	10,065	1.0	54	595	36.4	6,295	0.6	28
75-84	2,737	39.6	29,151	0.7	40	2,296	33.2	24,955	0.8	39	2,253	32.6	22,215	0.5	28
85 and older	5,452	36.5	56,236	0.6	36	2,682	17.9	28,267	0.8	31	4,771	31.9	44,333	0.5	20
Male	3,160	42.1	32,272	0.7	44	3,149	41.9	33,873	1.0	55	2,137	28.5	19,636	0.5	20
Disabled	547	44.7	6,172	0.8	56	927	75.8	10,715	1.1	75	309	25.3	3,280	0.4	24
64 or younger	391	45.6	4,467	0.8	58	727	84.7	8,526	1.1	80	215	25.1	2,332	0.5	23
65-74	96	45.9	1,058	0.8	51	144	68.9	1,599	1.0	57	60	28.7	626	0.4	29
75-84	35	38.9	379	0.7	47	38	42.2	414	1.0	51	19	21.1	183	0.5	38
85 and older	25	37.9	268	0.7	43	18	27.3	176	0.6	20	15	22.7	139	0.3	4
Other Eligibles	2,613	41.6	26,100	0.7	41	2,222	35.3	23,158	0.9	46	1,828	29.1	16,356	0.5	19
64 or younger	21	40.4	236	0.8	54	30	57.7	322	1.2	89	21	40.4	189	0.8	64
65-74	523	45.2	5,432	0.7	40	660	57.1	7,039	1.0	58	345	29.8	3,211	0.5	21
75-84	1,177	44.7	11,841	0.7	41	953	36.2	10,050	0.9	44	807	30.6	7,425	0.5	22
85 and older	892	36.5	8,591	0.7	41	579	23.7	5,747	0.8	34	655	26.8	5,531	0.4	12
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 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

a. Table D.10B includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 16,437 beneficiaries who were in nursing facilities for part of their enrollment and their 155,902 benefit months were excluded from the analysis.

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

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

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

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

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

Beneficiary Characteristics	ANTIHYPERTENSIVE					DERMATOLOGICAL					ANTIDIABETIC						
	Users as %					Users as %					Users as %						
	No. of Users	No. of Bene among Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene among Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene among Users	Mean No. of Rx	Mean Rx \$	No. of Users	No. of Bene among Users	Mean No. of Rx
All	8,791	26.8 %	0.8	\$23	0.8	21,145	64.5 %	0.3	\$9	0.3	7,933	24.2 %	0.8	\$24	83,042	0.8	\$24
Female	6,477	25.6	0.8	23	0.8	15,996	63.3	0.3	8	0.3	5,817	23.0	0.8	25	61,483	0.8	25
Disabled	395	23.0	0.8	25	0.8	1,403	81.6	0.3	9	0.3	566	32.9	0.9	32	6,199	0.9	32
64 or younger	125	16.7	0.8	24	0.8	713	95.3	0.3	11	0.3	224	29.9	0.9	34	2,524	0.9	34
65-74	101	32.0	0.8	26	0.8	257	81.3	0.2	7	0.2	149	47.2	1.0	35	1,665	1.0	35
75-84	81	26.6	0.8	26	0.8	229	75.3	0.2	8	0.2	103	33.9	0.9	29	1,090	0.9	29
85 and older	88	25.1	0.8	23	0.8	204	58.1	0.2	6	0.2	90	25.6	0.8	27	920	0.8	27
Other Eligibles	6,082	25.8	0.8	23	0.8	14,593	62.0	0.3	8	0.3	5,251	22.3	0.8	24	55,284	0.8	24
64 or younger	6	10.5	1.0	34	1.0	36	63.2	0.4	14	0.4	14	24.6	0.6	17	162	0.6	17
65-74	478	29.3	0.8	28	0.8	1,345	82.4	0.3	9	0.3	607	37.2	0.9	28	6,639	0.9	28
75-84	1,881	27.2	0.8	25	0.8	4,644	67.2	0.3	9	0.3	2,141	31.0	0.8	25	22,721	0.8	25
85 and older	3,717	24.9	0.8	22	0.8	8,568	57.3	0.2	8	0.2	2,489	16.7	0.8	21	25,762	0.8	21
Male	2,314	30.8	0.8	23	0.8	5,149	68.6	0.3	11	0.3	2,116	28.2	0.8	24	21,559	0.8	24
Disabled	340	27.8	0.8	27	0.8	1,007	82.3	0.3	11	0.3	358	29.3	0.9	32	4,085	0.9	32
64 or younger	221	25.8	0.9	29	0.9	726	84.6	0.3	11	0.3	236	27.5	0.9	35	2,738	0.9	35
65-74	84	40.2	0.8	24	0.8	179	85.6	0.3	13	0.3	79	37.8	0.9	26	895	0.9	26
75-84	20	22.2	0.9	23	0.9	67	74.4	0.3	6	0.3	33	36.7	0.8	24	340	0.8	24
85 and older	15	22.7	0.9	20	0.9	35	53.0	0.4	19	0.4	10	15.2	0.7	16	112	0.7	16
Other Eligibles	1,974	31.4	0.8	23	0.8	4,142	65.9	0.3	11	0.3	1,758	28.0	0.8	22	17,474	0.8	22
64 or younger	16	30.8	0.7	18	0.7	33	63.5	0.3	39	0.3	23	44.2	0.8	33	255	0.8	33
65-74	369	31.9	0.9	25	0.9	860	74.4	0.3	10	0.3	401	34.7	0.9	27	4,142	0.9	27
75-84	898	34.1	0.8	22	0.8	1,842	69.9	0.3	11	0.3	792	30.1	0.8	22	7,851	0.8	22
85 and older	691	28.3	0.8	22	0.8	1,407	57.5	0.3	10	0.3	542	22.2	0.8	19	5,226	0.8	19
Unknown	0	0.0	0.0	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 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.10C includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 16,437 beneficiaries who were in nursing facilities for part of their enrollment and their 155,902 benefit months were excluded from the analysis.
- b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2001. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- d. The top 10 drug groups were determined based on total 2001 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).
- Boe Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	ANTI-ASTHMATIC										MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL												
	Users as %					Users as %					Users as %					Users as %							
	No. of Users	No. of Users	Residents	NF	No. of Bene Mos among Users	Mean Rx	No. of Rx	Mean Rx	No. of Users	No. of Bene Mos among Users	Mean Rx	No. of Rx	Mean Rx	No. of Users	No. of Bene Mos among Users	Mean Rx	No. of Rx	All-Year NF Residents	Bene Mos among All-Year NF Residents				
All	11,580	35.3 %	121,317	0.5	\$16	2,310	7.0 %	23,909	0.7	\$76	32,779	330,207	8,559	33.9	90,335	0.5	16	1,848	7.3	19,431	0.7	76	256,375
Female	8,559	33.9	90,335	0.5	16	1,848	7.3	19,431	0.7	76	25,267	256,375	701	40.8	7,721	0.6	20	71	4.1	787	0.6	125	18,767
Disabled	701	40.8	7,721	0.6	20	71	4.1	787	0.6	125	1,719	18,767	294	39.3	3,392	0.6	23	26	3.5	284	0.5	223	8,490
64 or younger	294	39.3	3,392	0.6	23	26	3.5	284	0.5	223	748	8,490	171	54.1	1,771	0.7	24	19	6.0	219	0.6	70	3,461
65-74	171	54.1	1,771	0.7	24	19	6.0	219	0.6	70	316	3,461	119	39.1	1,308	0.4	15	9	3.0	98	0.8	95	3,224
75-84	119	39.1	1,308	0.4	15	9	3.0	98	0.8	95	304	3,224	117	33.3	1,250	0.5	15	17	4.8	186	0.5	57	3,592
85 and older	117	33.3	1,250	0.5	15	17	4.8	186	0.5	57	351	3,592	7,858	33.4	82,614	0.4	15	1,777	7.5	18,644	0.7	74	237,608
Other Eligibles	7,858	33.4	82,614	0.4	15	1,777	7.5	18,644	0.7	74	23,548	237,608	13	22.8	146	0.6	18	3	5.3	36	0.5	57	577
64 or younger	13	22.8	146	0.6	18	3	5.3	36	0.5	57	57	577	746	45.7	8,023	0.6	21	107	6.6	1,133	0.7	74	17,184
65-74	746	45.7	8,023	0.6	21	107	6.6	1,133	0.7	74	1,633	17,184	2,539	36.7	27,162	0.5	17	646	9.3	6,738	0.7	76	70,900
75-84	2,539	36.7	27,162	0.5	17	646	9.3	6,738	0.7	76	6,915	70,900	4,560	30.5	47,283	0.4	13	1,021	6.8	10,737	0.7	73	148,947
85 and older	4,560	30.5	47,283	0.4	13	1,021	6.8	10,737	0.7	73	14,943	148,947	3,021	40.2	30,982	0.5	19	462	6.2	4,478	0.7	74	73,830
Male	3,021	40.2	30,982	0.5	19	462	6.2	4,478	0.7	74	7,511	73,830	484	39.6	5,441	0.6	24	19	1.6	214	0.6	100	13,581
Disabled	484	39.6	5,441	0.6	24	19	1.6	214	0.6	100	1,223	13,581	333	38.8	3,761	0.6	24	11	1.3	127	0.6	121	9,721
64 or younger	333	38.8	3,761	0.6	24	11	1.3	127	0.6	121	858	9,721	100	47.8	1,154	0.6	25	3	1.4	36	0.6	70	2,258
65-74	100	47.8	1,154	0.6	25	3	1.4	36	0.6	70	209	2,258	32	35.6	338	0.6	22	2	2.2	24	0.5	52	931
75-84	32	35.6	338	0.6	22	2	2.2	24	0.5	52	90	931	19	28.8	188	0.4	10	3	4.5	27	0.8	82	671
85 and older	19	28.8	188	0.4	10	3	4.5	27	0.8	82	66	671	2,537	40.3	25,541	0.5	18	443	7.0	4,264	0.7	72	60,249
Other Eligibles	2,537	40.3	25,541	0.5	18	443	7.0	4,264	0.7	72	6,288	60,249	18	34.6	175	0.5	23	2	3.8	24	0.5	54	532
64 or younger	18	34.6	175	0.5	23	2	3.8	24	0.5	54	52	532	456	39.4	4,781	0.6	21	56	4.8	560	0.6	68	11,915
65-74	456	39.4	4,781	0.6	21	56	4.8	560	0.6	68	1,156	11,915	1,134	43.1	11,490	0.5	18	190	7.2	1,872	0.7	78	25,417
75-84	1,134	43.1	11,490	0.5	18	190	7.2	1,872	0.7	78	2,634	25,417	929	38.0	9,095	0.5	15	195	8.0	1,808	0.7	68	22,385
85 and older	929	38.0	9,095	0.5	15	195	8.0	1,808	0.7	68	2,446	22,385	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	1	2										

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

a. Table D.10D includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2001. A total of 16,437 beneficiaries who were in nursing facilities for part of their enrollment and their 155,902 benefit months were excluded from the analysis.

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

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

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

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

TABLE D.11
 USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG DUALS
 BY BENEFICIARY CHARACTERISTIC^{a,b}
 MASSACHUSETTS, 2001

Beneficiary Characteristics	No. of Benes with at Least One Part D Excl Rx	% Benes with at Least One Part D Excl Rx	No. of Part D		Total No. Part D Excl Rx	Total Part D Excl Rx \$	\$ per Part D Excl Rx	Part D Excl Rx as % of All Rx \$	Total No. of Benes
			Excl Rx	Bene					
All	80,527	40.5 %	2.8	565,931	\$63	\$12,583,658	\$22	2.8 %	198,801
Age									
5 and younger	5	31.3	1.7	27	43	681	25	5.2	16
6-14	11	61.1	3.6	64	188	3,378	53	2.8	18
15-20	65	25.5	1.2	313	51	13,099	42	2.9	255
21-44	14,554	38.0	3.1	117,628	82	3,140,335	27	2.8	38,258
45-64	21,171	43.8	3.6	175,078	82	3,961,751	23	2.7	48,337
65-74	14,724	36.9	2.4	94,878	52	2,059,608	22	2.7	39,956
75-84	15,234	40.1	2.5	93,844	50	1,896,354	20	2.8	38,031
85 and older	14,763	43.5	2.5	84,099	44	1,508,452	18	3.1	33,928
Unknown	0	0.0	0.0	0	0	0	0	0.0	2
Basis of Eligibility^c									
Aged	34,051	39.5	2.3	200,626	45	3,915,118	20	2.8	86,148
Disabled	45,513	41.3	3.3	359,316	77	8,521,778	24	2.8	110,134
Adults	959	38.2	2.4	5,977	58	146,191	24	3.1	2,509
Children	4	40.0	1.2	12	57	571	48	1.1	10
Unknown	0	0.0	0.0	0	0	0	0	0.0	0
Gender									
Female	54,546	43.9	3.1	382,221	65	8,029,731	21	2.9	124,224
Male	25,981	34.8	2.5	183,710	61	4,553,927	25	2.6	74,577
Unknown	0	0.0	0.0	0	0	0	0	0.0	0
Race									
White	64,841	41.2	3.0	469,253	66	10,420,072	22	2.9	157,384
African American	3,756	33.4	1.9	21,350	42	467,564	22	2.0	11,246
Other/unknown	11,930	39.5	2.5	75,328	56	1,696,022	23	2.6	30,171
Use of Nursing Facilities^d									
Entire year	15,882	48.5	3.1	102,856	58	1,899,075	18	2.7	32,779
Part year	8,944	54.4	3.2	52,204	67	1,095,663	21	3.2	16,437
None	55,701	37.2	2.7	410,871	64	9,588,920	23	2.8	149,585
Maintenance Assistance Status									
Cash	34,539	38.7	2.8	246,718	63	5,615,093	23	2.8	89,233
Medically needy	4,600	36.0	2.5	31,929	59	751,734	24	3.1	12,777
Poverty related	28,740	41.8	3.0	208,042	64	4,420,038	21	2.6	68,706
Other/unknown	12,648	45.0	2.8	79,242	64	1,796,793	23	3.0	28,085

Table D11

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.11 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2001.
 - b. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.
 - c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
 - d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.
- Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.12
 USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS AMONG DUALS PER BENEFIT MONTH
 BY BENEFICIARY CHARACTERISTIC^{a,b}
 MASSACHUSETTS, 2001

Beneficiary Characteristics	No. Rx per Bene Mo.	Rx \$ per Bene Mo.	\$ per Rx	Barbiturate \$ per Bene Mo.	Benzodiazapine \$ per Bene Mo.	No. of Bene Mos
	0.3	\$6	\$22	\$0	\$3	2,157,027
Age						
5 and younger	0.2	5	25	0	0	129
6-14	0.3	17	53	0	1	202
15-20	0.1	5	42	0	1	2,813
21-44	0.3	7	27	0	4	430,187
45-64	0.3	7	23	0	4	543,116
65-74	0.2	5	22	0	2	444,878
75-84	0.2	5	20	0	1	403,482
85 and older	0.3	5	18	0	1	332,206
Unknown	0.0	0	0	0	0	14
Basis of Eligibility^c						
Aged	0.2	4	20	0	1	884,241
Disabled	0.3	7	24	0	4	1,246,601
Adults	0.2	6	24	0	3	26,094
Children	0.1	6	48	0	0	91
Unknown	0.0	0	0	0	0	0
Gender						
Female	0.3	6	21	0	3	1,347,186
Male	0.2	6	25	0	3	809,841
Unknown	0.0	0	0	0	0	0
Race						
White	0.3	6	22	0	3	1,725,431
African American	0.2	4	22	0	1	125,670
Other/unknown	0.2	6	23	0	2	305,926
Use of Nursing Facilities^d						
Entire year	0.3	6	18	0	1	330,207
Part year	0.3	7	21	0	2	155,902
None	0.2	6	23	0	3	1,670,918
Maintenance Assistance Status						
Cash	0.2	5	23	0	3	1,025,437
Medically needy	0.2	6	24	0	3	128,673
Poverty related	0.3	6	21	0	3	734,932
Other/unknown	0.3	7	23	0	2	267,985

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

- a. Table D.12 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2001.
- b. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.
- c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.

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

TABLE D.13
 USE OF AND REIMBURSEMENT FOR PART D EXCLUDED DRUGS FOR SELECTED DRUG CATEGORIES AMONG DUALS^{a,b,c}
 MASSACHUSETTS, 2001

Drug Category	No. Users	Rx \$ per User	Total Rx \$	Rx \$ as % of All Part D Excl Rx \$	Total No. Rx.	\$ per Rx	No. Rx as % of All Part D Excl Rx
All	97,775	\$129	\$12,563,658	100.0 %	565,931	\$22	100.0 %
Anorexia or weight loss/gain	1,837	207	380,829	3.0	3,671	104	0.6
Fertility drugs	308	78	23,961	0.2	380	63	0.1
Drugs for cosmetic purposes	1,059	785	831,755	6.6	5,484	152	1.0
Cough and cold medications	5,754	172	992,025	7.9	18,160	55	3.2
Vitamins and minerals	23,246	99	2,291,959	18.2	134,183	17	23.7
Non-prescription drugs	14,009	68	946,049	7.5	45,272	21	8.0
Barbiturates	1,831	46	83,411	0.7	18,802	4	3.3
Benzodiazepines	44,562	137	6,100,441	48.5	317,440	19	56.1
Other Part D Excl Rx Drugs	5,169	181	933,228	7.4	22,539	41	4.0

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

b. Includes OTC drugs as well as prescription drugs.

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

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

SUPPLEMENTAL TABLE 1
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES^{a, b}
 MASSACHUSETTS, 2001

Total Number of Dual Eligible Beneficiaries 198,801
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries \$450,690,963
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary \$2,267

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	22,429	11.3 %	\$0	0.0 %
1-500	41,733	21.0	8,595,675	1.9
501-1,000	24,883	12.5	18,420,521	4.1
1,001-1,500	19,501	9.8	24,192,509	5.4
1,501-2,000	15,869	8.0	27,662,522	6.1
2,001-2,500	13,080	6.6	29,331,000	6.5
2,501-3,000	10,645	5.4	29,168,283	6.5
3,001-3,500	8,571	4.3	27,801,332	6.2
3,501-4,000	7,052	3.5	26,407,882	5.9
4,001-4,500	5,616	2.8	23,808,939	5.3
4,501-5,000	4,738	2.4	22,477,110	5.0
5,001-5,500	3,823	1.9	20,055,073	4.4
5,501-6,000	3,041	1.5	17,466,120	3.9
6,001-6,500	2,675	1.3	16,689,364	3.7
6,501-7,000	2,121	1.1	14,296,538	3.2
7,001-7,500	1,763	0.9	12,771,422	2.8
7,501-8,000	1,574	0.8	12,189,238	2.7
8,001-8,500	1,313	0.7	10,834,040	2.4
8,501-9,000	1,067	0.5	9,321,664	2.1
9,001-9,500	914	0.5	8,445,342	1.9
9,501-10,000	795	0.4	7,751,709	1.7
10,001+	5,598	2.8	83,004,680	18.4

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

SUPPLEMENTAL TABLE 1E
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 85 AND OLDER^{a, b}
 MASSACHUSETTS, 2001

Total Number of Dual Eligible Beneficiaries, Age 85+ 33,928
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 85+ \$49,424,188
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 85+ \$1,457

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 85+ 9.7 %	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	3,296		0	0.0 %
1-500	8,989	26.5	1,922,162	3.9
501-1,000	5,286	15.6	3,901,139	7.9
1,001-1,500	3,964	11.7	4,911,209	9.9
1,501-2,000	3,156	9.3	5,499,254	11.1
2,001-2,500	2,315	6.8	5,192,748	10.5
2,501-3,000	1,868	5.5	5,124,624	10.4
3,001-3,500	1,361	4.0	4,409,089	8.9
3,501-4,000	1,045	3.1	3,905,608	7.9
4,001-4,500	744	2.2	3,157,144	6.4
4,501-5,000	552	1.6	2,619,020	5.3
5,001-5,500	413	1.2	2,161,938	4.4
5,501-6,000	284	0.8	1,631,463	3.3
6,001-6,500	182	0.5	1,134,287	2.3
6,501-7,000	140	0.4	942,956	1.9
7,001-7,500	97	0.3	702,065	1.4
7,501-8,000	65	0.2	504,151	1.0
8,001-8,500	49	0.1	403,818	0.8
8,501-9,000	28	0.1	243,692	0.5
9,001-9,500	24	0.1	223,568	0.5
9,501-10,000	16	0.0	155,934	0.3
10,001+	54	0.2	678,319	1.4

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

APPENDIX TABLE A.3

CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY^{a, b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	No. of Benes					No. of Bene Mos					
	All	Aged	Disabled	Adults	Children	All	Aged	Disabled	Adults	Children	Unknown
All	199,436	86,150	110,649	2,626	11	2,172,964	884,891	1,259,637	28,330	106	0
Age											
5 and younger	16	12	3	0	1	134	99	24	0	11	0
6-14	18	2	15	0	1	202	19	171	0	12	0
15-20	259	1	240	9	9	2,959	6	2,762	108	83	0
21-44	38,581	145	36,891	1,545	0	437,806	1,677	419,073	17,056	0	0
45-64	48,618	376	47,436	806	0	549,426	3,927	536,911	8,588	0	0
65-74	39,982	20,407	19,341	234	0	446,723	220,074	224,342	2,307	0	0
75-84	38,032	32,675	5,327	30	0	403,494	341,976	61,251	267	0	0
85 and older	33,928	32,530	1,396	2	0	332,206	317,099	15,103	4	0	0
Unknown	2	2	0	0	0	14	14	0	0	0	0
Gender											
Female	124,507	64,493	58,383	1,626	5	1,355,064	667,477	669,882	17,667	38	0
Male	74,929	21,657	52,266	1,000	6	817,900	217,414	589,755	10,663	68	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
Race											
White	157,847	70,381	85,866	1,594	6	1,736,725	733,585	985,690	17,401	49	0
African American	11,312	2,848	8,103	360	1	127,586	31,328	92,310	3,938	10	0
Other/unknown	30,277	12,921	16,680	672	4	308,653	119,978	181,637	6,991	47	0
Use of Nursing Facilities^c											
Entire year	32,780	29,837	2,943	0	0	330,210	297,859	32,351	0	0	0
Part year	16,439	12,601	3,814	24	0	156,099	113,180	42,658	261	0	0
None	150,217	43,712	103,892	2,602	11	1,686,655	473,852	1,184,628	28,069	106	0
Maintenance Assistance Status											
Cash	89,553	29,469	58,820	1,263	1	1,033,180	334,899	684,381	13,892	8	0
Medically needy	12,819	7,471	5,348	0	0	129,736	72,463	57,273	0	0	0
Poverty related	68,853	29,762	39,083	0	8	739,764	303,063	436,627	0	74	0
Other/unknown	28,211	19,448	7,398	1,363	2	270,284	174,466	81,356	14,438	24	0
Dual Status^d											
Full dual, all year	197,135	84,012	110,489	2,623	11	2,147,099	860,847	1,257,843	28,303	106	0
Full dual, part year	2,301	2,138	160	3	0	25,865	24,044	1,794	27	0	0
Managed Care Status											
FFS all year	197,160	86,036	108,798	2,317	9	2,147,161	883,594	1,238,500	24,977	90	0
FFS part year, with Rx claims	1,345	73	1,118	154	0	15,708	845	13,111	1,752	0	0
FFS part year, no Rx claims	296	39	218	38	1	3,141	428	2,319	382	12	0
MC all year, with Rx claims	112	0	88	24	0	1,303	0	1,032	271	0	0
MC all year, no Rx claims	523	2	427	93	1	5,651	24	4,675	948	4	0

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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

APPENDIX TABLE A.4
 MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS^a
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2001

Beneficiary Characteristics	Bene Mos in Cell F of Table 1		Included in Cell G of Table 1		Excluded from Cell G of Table 1	
	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos
All	199,436	2,172,964	198,801	2,157,027	0	15,937
FFS all year	197,160	2,147,161	197,160	2,147,161	0	0
FFS part year, with Rx claims	1,345	15,708	1,345	8,550	0	7,158
FFS part year, with no Rx claims	296	3,141	296	1,316	0	1,825
MC all year, with Rx claims	112	1,303	0	0	0	1,303
MC all year, with no Rx claims	523	5,651	0	0	0	5,651

Source: Data for this table are from the MAX 2001 file for Massachusetts, released by CMS in 07/2005. This table was produced on 09/19/2006.

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

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