

The Centers for Medicare & Medicaid Services' Office of Research, Development, and Information (ORDI) strives to make information available to all. Nevertheless, portions of our files including charts, tables, and graphics may be difficult to read using assistive technology.

Persons with disabilities experiencing problems accessing portions of any file should contact ORDI through e-mail at [ORDI\\_508\\_Compliance@cms.hhs.gov](mailto:ORDI_508_Compliance@cms.hhs.gov).

**STATISTICAL COMPENDIUM:  
MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 2005  
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. ANNUAL 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. AVERAGE 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. ANNUAL 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. AVERAGE 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 AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D AMONG NONDUALS, BY BENEFICIARY CHARACTERISTIC

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

TABLE ND.13. USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D FOR SELECTED DRUG CATEGORIES AMONG NONDUALS

**FOR DUAL ELIGIBLE BENEFICIARIES**

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

TABLE D.3. ANNUAL 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. AVERAGE 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 AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D AMONG DUALS, BY BENEFICIARY CHARACTERISTIC

TABLE D.12. USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D AMONG DUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC

TABLE D.13. USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D FOR SELECTED DRUG CATEGORIES AMONG DUALS

**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 TABLES**

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<sup>a, b</sup>  
DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	Number of Beneficiaries						Number of Benefit Months					
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown
<b>All</b>	<b>218,317</b>	<b>113,191</b>	<b>103,593</b>	<b>1,529</b>	<b>4</b>	<b>0</b>	<b>2,367,479</b>	<b>1,194,665</b>	<b>1,159,148</b>	<b>13,634</b>	<b>32</b>	<b>0</b>
<b>Age</b>												
5 and younger	6	0	6	0	0	0	50	0	50	0	0	0
6-14	7	0	7	0	0	0	74	0	74	0	0	0
15-20	361	0	355	2	4	0	3,942	0	3,886	24	32	0
21-44	41,056	4	40,108	944	0	0	458,103	41	449,710	8,352	0	0
45-64	63,688	0	63,117	571	0	0	710,631	0	705,428	5,203	0	0
65-74	42,496	42,484	0	12	0	0	470,125	470,070	0	55	0	0
75-84	37,933	37,933	0	0	0	0	406,422	406,422	0	0	0	0
85 and older	32,768	32,768	0	0	0	0	318,127	318,127	0	0	0	0
Unknown	2	2	0	0	0	0	5	5	0	0	0	0
<b>Gender</b>												
Female	133,472	81,497	51,107	865	3	0	1,446,969	864,054	575,022	7,869	24	0
Male	84,845	31,694	52,486	664	1	0	920,510	330,611	584,126	5,765	8	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
<b>Race</b>												
White	141,892	77,211	63,966	715	0	0	1,567,647	833,387	727,753	6,507	0	0
African American	11,585	4,926	6,548	110	1	0	128,975	54,955	73,061	947	12	0
Other/unknown	64,840	31,054	33,079	704	3	0	670,857	306,323	358,334	6,180	20	0
<b>Use of Nursing Facilities<sup>c</sup></b>												
Entire year	29,169	27,226	1,943	0	0	0	291,740	270,003	21,737	0	0	0
Part year	16,236	13,813	2,416	7	0	0	156,863	130,096	26,691	76	0	0
None	172,912	72,152	99,234	1,522	4	0	1,918,876	794,566	1,110,720	13,558	32	0
<b>Maintenance Assistance Status</b>												
Cash	90,750	50,853	39,704	193	0	0	1,043,714	582,429	459,671	1,614	0	0
Medically needy	15,319	10,262	5,057	0	0	0	155,973	99,430	56,543	0	0	0
Poverty-related	80,171	32,721	47,447	0	3	0	855,754	336,550	519,184	0	20	0
Other/unknown	32,077	19,355	11,385	1,336	1	0	312,038	176,256	123,750	12,020	12	0
<b>Dual Medicare Status<sup>d</sup></b>												
Full dual, all year	216,214	111,154	103,527	1,529	4	0	2,344,153	1,172,085	1,158,402	13,634	32	0
Full dual, part year	2,103	2,037	66	0	0	0	23,326	22,580	746	0	0	0
<b>Managed Care (MC) Status</b>												
Fee-for-service (FFS) all year	215,380	112,904	101,276	1,198	2	0	2,349,253	1,192,975	1,144,252	12,003	23	0
FFS part year, with Rx claims	2,531	253	2,020	258	0	0	16,438	1,539	13,501	1,398	0	0
FFS part year, no Rx claims	406	34	297	73	2	0	1,788	151	1,395	233	9	0

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

- 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 2005. 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 = Centers for Medicare & Medicaid Services; FFS = fee-for-service pharmacy benefit; MAX = Medicaid Analytic Extract; Rx = pharmacy benefit.

TABLE D.3  
ANNUAL MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	Percentage with at Least One Rx	Mean Number of Rx	Mean Rx \$	\$ per Rx	Mean \$, All Medicaid FFS \$ <sup>c</sup>	Rx \$ as a Percentage of All Medicaid FFS \$ <sup>d</sup>	Number of Beneficiaries
<b>All</b>	<b>89.0</b>	<b>43.8</b>	<b>\$2,873</b>	<b>\$66</b>	<b>\$17,512</b>	<b>16.4</b>	<b>218,317</b>
<b>Age</b>							
5 and younger	83.3	33.2	3,788	114	110,514	3.4	6
6-14	100.0	61.4	3,755	61	25,676	14.6	7
15-20	80.9	19.4	2,040	105	12,113	16.8	361
21-44	87.4	34.6	3,243	94	14,309	22.7	41,056
45-64	90.6	48.9	3,825	78	16,263	23.5	63,688
65-74	87.0	41.3	2,358	57	11,622	20.3	42,496
75-84	89.2	46.0	2,297	50	19,123	12.0	37,933
85 and older	90.5	46.2	1,904	41	29,766	6.4	32,768
Unknown	100.0	17.0	616	36	9,328	6.6	2
<b>Basis of Eligibility<sup>e</sup></b>							
Aged	88.7	44.3	2,206	50	19,389	11.4	113,191
Disabled	89.3	43.5	3,613	83	15,642	23.1	103,593
Adults	85.9	27.2	2,085	77	5,117	40.8	1,529
Children	50.0	34.0	5,912	174	58,689	10.1	4
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Gender</b>							
Female	91.0	47.0	2,797	60	18,132	15.4	133,472
Male	85.9	38.8	2,993	77	16,537	18.1	84,845
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Race</b>							
White	89.7	45.3	2,942	65	18,766	15.7	141,892
African American	86.4	36.4	2,505	69	11,320	22.1	11,585
Other/unknown	87.9	41.7	2,787	67	15,873	17.6	64,840
<b>Use of Nursing Facilities<sup>f</sup></b>							
Entire year	94.5	63.6	2,960	47	48,819	6.1	29,169
Part year	95.3	52.7	2,669	51	28,320	9.4	16,236
None	87.5	39.6	2,878	73	11,216	25.7	172,912
<b>Maintenance Assistance Status</b>							
Cash	89.4	40.6	2,695	66	11,650	23.1	90,750
Medically needy	84.6	41.6	2,339	56	22,633	10.3	15,319
Poverty related	89.0	45.4	3,124	69	19,667	15.9	80,171
Other/unknown	90.0	49.6	3,005	61	26,264	11.4	32,077

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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. In eight states (DE, IA, IL, NE, NY, TX, UT, and WV) the expenditures in this column include only Rx drug expenditures for those enrolled in capitated managed care plans, and not expenditures for other services covered by the plans or long-term-care services not covered by the plans. As a result, the amounts shown in this column for all Medicaid fee-for-service expenditures are lower than they would otherwise be.

d. In eight states (DE, IA, IL, NE, NY, TX, UT, and WV) the Rx share of expenditures for all Medicaid services shown in this column is higher than it would be if all expenditures for these other services, including services provided in capitated managed care plans and long-term-care services, were included.

e. 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.

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

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

TABLE D.4  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	Number of Rx, Percentage with:										Number	
	Mean Number of Rx	Mean Rx \$	Rx \$ as a Percentage of All Medicaid FFS \$ <sup>c</sup>		More than					Mean \$, All Medicaid FFS \$ <sup>d</sup>	Beneficiaries	Benefit Months
			None	0, but 1 or Less	1, but 2 or Less	2, but 5 or Less	5, but 10 or More than 10					
<b>All</b>	<b>4.0</b>	<b>\$265</b>	<b>16.4</b>	<b>11.0</b>	<b>18.3</b>	<b>12.4</b>	<b>30.3</b>	<b>22.5</b>	<b>5.5</b>	<b>\$1,615</b>	<b>218,317</b>	<b>2,367,479</b>
<b>Age</b>												
5 and younger	4.0	455	3.4	16.7	0.0	16.7	50.0	16.7	0.0	13,262	6	50
6-14	5.8	355	14.6	0.0	0.0	0.0	42.9	57.1	0.0	2,429	7	74
15-20	1.8	187	16.8	19.1	38.5	12.7	23.8	5.5	0.3	1,109	361	3,942
21-44	3.1	291	22.7	12.6	27.7	14.1	27.8	14.7	3.0	1,282	41,056	458,103
45-64	4.4	343	23.5	9.4	16.4	11.9	31.8	24.3	6.1	1,458	63,688	710,631
65-74	3.7	213	20.3	13.0	19.9	13.4	28.9	19.8	4.9	1,051	42,496	470,125
75-84	4.3	214	12.0	10.8	15.2	11.9	30.7	24.7	6.6	1,785	37,933	406,422
85 and older	4.8	196	6.4	9.5	11.6	10.7	31.7	29.7	6.8	3,066	32,768	318,127
Unknown	6.8	246	6.6	0.0	0.0	0.0	50.0	50.0	0.0	3,731	2	5
<b>Basis of Eligibility<sup>e</sup></b>												
Aged	4.2	209	11.4	11.3	15.9	12.1	30.3	24.3	6.1	1,837	113,191	1,194,665
Disabled	3.9	323	23.1	10.7	20.8	12.8	30.2	20.6	4.9	1,398	103,593	1,159,148
Adults	3.1	234	40.8	14.1	26.1	14.0	29.3	14.8	1.8	574	1,529	13,634
Children	4.3	739	10.1	50.0	0.0	0.0	25.0	25.0	0.0	7,336	4	32
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Gender</b>												
Female	4.3	258	15.4	9.0	16.2	12.3	31.6	24.7	6.2	1,673	133,472	1,446,969
Male	3.6	276	18.1	14.1	21.6	12.6	28.2	19.0	4.4	1,524	84,845	920,510
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Race</b>												
White	4.1	266	15.7	10.3	18.0	12.5	30.3	23.2	5.8	1,699	141,892	1,567,647
African American	3.3	225	22.1	13.6	25.0	13.4	28.4	16.5	3.1	1,017	11,585	128,975
Other/unknown	4.0	269	17.6	12.1	17.8	12.2	30.6	22.0	5.2	1,534	64,840	670,857
<b>Use of Nursing Facilities<sup>f</sup></b>												
Entire year	6.4	296	6.1	5.5	6.1	7.3	28.1	38.5	14.5	4,881	29,169	291,740
Part year	5.5	276	9.4	4.7	9.6	9.8	33.7	33.6	8.7	2,931	16,236	156,863
None	3.6	259	25.7	12.5	21.2	13.6	30.3	18.7	3.7	1,011	172,912	1,918,876
<b>Maintenance Assistance Status</b>												
Cash	3.5	234	23.1	10.6	22.2	14.1	30.3	18.9	3.8	1,013	90,750	1,043,714
Medically needy	4.1	230	10.3	15.4	15.9	11.3	28.9	22.9	5.5	2,223	15,319	155,973
Poverty related	4.3	293	15.9	11.0	17.2	11.9	30.4	23.5	6.1	1,843	80,171	855,754
Other/unknown	5.1	309	11.4	10.0	11.2	9.6	30.5	29.9	8.9	2,700	32,077	312,038

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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. In eight states (DE, IA, IL, NE, NY, TX, UT, and WV) the expenditures in this column include only Rx drug expenditures for those enrolled in capitated managed care plans, and not expenditures for other services covered by the plans or long-term-care services not covered by the plans. As a result, the amounts shown in this column for all Medicaid fee-for-service expenditures are lower than they would otherwise be.

d. In eight states (DE, IA, IL, NE, NY, TX, UT, and WV) the Rx share of expenditures for all Medicaid services shown in this column is higher than it would be if all expenditures for these other services, including services provided in capitated managed care plans and long-term-care services, were included.

e. 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.

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

Benef(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Centers for Medicare & Medicaid Services; FFS = fee-for-service; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.5  
 AVERAGE MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	All Rx			Patented Brand-Name Drugs			Off-Patent Brand-Name Drugs			Generic Drugs		
	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx
<b>All</b>	<b>4.0</b>	<b>\$265</b>	<b>\$66</b>	<b>1.4</b>	<b>\$202</b>	<b>\$139</b>	<b>0.1</b>	<b>\$6</b>	<b>\$98</b>	<b>2.5</b>	<b>\$56</b>	<b>\$22</b>
<b>Age</b>												
5 and younger	4.0	455	114	1.2	394	334	0.2	26	163	2.6	34	13
6-14	5.8	355	61	1.8	260	143	0.2	5	24	3.8	91	24
15-20	1.8	187	105	0.8	159	209	0.1	4	78	1.0	24	24
21-44	3.1	291	94	1.1	225	200	0.1	8	129	1.9	58	30
45-64	4.4	343	78	1.6	259	166	0.1	9	131	2.7	74	27
65-74	3.7	213	57	1.4	164	120	0.0	4	92	2.3	45	20
75-84	4.3	214	50	1.6	164	104	0.1	4	62	2.6	46	17
85 and older	4.8	196	41	1.6	146	90	0.1	5	54	3.0	45	15
Unknown	6.8	246	36	3.4	220	65	0.2	5	25	3.2	21	7
<b>Basis of Eligibility<sup>d</sup></b>												
Aged	4.2	209	50	1.5	159	106	0.1	4	67	2.6	45	17
Disabled	3.9	323	83	1.4	247	177	0.1	8	130	2.4	68	28
Adults	3.1	234	77	1.0	167	172	0.1	8	139	2.0	58	29
Children	4.3	739	174	1.8	695	384	0.2	7	46	2.3	37	16
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Gender</b>												
Female	4.3	258	60	1.5	195	126	0.1	7	90	2.7	56	21
Male	3.6	276	77	1.3	213	164	0.0	6	117	2.2	57	26
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Race</b>												
White	4.1	266	65	1.5	202	138	0.1	6	96	2.6	58	23
African American	3.3	225	69	1.1	176	155	0.0	4	109	2.1	44	21
Other/unknown	4.0	269	67	1.5	207	140	0.1	7	102	2.5	56	23
<b>Use of Nursing Facilities<sup>e</sup></b>												
Entire year	6.4	296	47	2.2	224	100	0.1	8	54	4.0	65	16
Part year	5.5	276	51	1.9	209	108	0.1	7	68	3.4	61	18
None	3.6	259	73	1.3	198	154	0.1	6	122	2.2	55	25
<b>Maintenance Assistance Status</b>												
Cash	3.5	234	66	1.3	180	141	0.0	5	104	2.2	49	22
Medically needy	4.1	230	56	1.5	175	116	0.1	6	85	2.5	49	20
Poverty related	4.3	293	69	1.5	222	148	0.1	8	104	2.7	63	24
Other/unknown	5.1	309	61	1.9	234	125	0.1	9	82	3.1	66	21

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 combined. For information about this classification method, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

TABLE D.6  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Therapeutic Category	Number of Rx per Benefit Month Among Users			\$ per Benefit Month Among Users									\$ per Rx			Users <sup>e</sup>	
	Total	Off-Patented Patent		Total	Off-Patented Patent		Total	Off-Patented Patent		Total	Total Number of Rx	Total Rx \$	Number	As a Percentage of Dual Benes	Number of Benefit Months		
		Name	Brand-		Brand-	Name		Brand-	Brand-							Name	Brand-
Anti-infective Agents	0.3	0.1	0.0	0.2	\$41	\$34	\$2	\$4	\$124	\$310	\$77	\$24	411,595	\$51,031,804	109,490	50.2	1,237,223
Biologicals	0.1	0.1	0.0	0.0	45	5	22	19	368	68	3,825	389	1,769	651,114	1,276	0.6	14,466
Antineoplastic Agents	0.5	0.2	0.0	0.4	118	95	0	23	230	581	657	66	33,459	7,681,051	6,081	2.8	65,048
Endocrine/Metabolic Drugs	0.9	0.3	0.0	0.6	43	31	3	9	47	102	62	15	917,421	43,371,025	90,799	41.6	1,019,374
Cardiovascular Agents	1.6	0.5	0.0	1.1	54	39	0	15	35	82	52	14	2,316,604	79,964,766	132,038	60.5	1,470,524
Respiratory Agents	0.6	0.4	0.0	0.2	46	44	0	2	72	101	58	10	450,782	32,448,185	61,919	28.4	699,316
Gastrointestinal Agents	0.7	0.4	0.0	0.3	57	53	0	4	83	125	43	16	699,842	58,035,139	90,415	41.4	1,011,192
Genitourinary Agents	0.5	0.3	0.0	0.1	32	27	0	4	70	90	57	28	134,008	9,350,152	26,338	12.1	296,078
CNS Drugs	1.4	0.5	0.0	0.9	124	97	0	26	88	192	84	29	1,955,556	171,908,912	125,058	57.3	1,390,910
Stimulants/Anti-obesity/Anorexia	0.6	0.2	0.0	0.4	54	38	0	16	87	152	103	43	30,117	2,628,047	4,259	2.0	48,450
Miscellaneous Psychological/ Neurological Agents	0.8	0.8	0.0	0.0	139	139	0	0	170	171	0	17	126,052	21,441,699	14,722	6.7	154,669
Analgesics and Anesthetics	0.7	0.1	0.0	0.6	39	14	5	21	57	154	239	36	807,007	46,035,324	104,170	47.7	1,168,025
Neuromuscular Agents	1.0	0.3	0.0	0.6	72	50	2	20	76	156	98	33	718,025	54,388,896	66,596	30.5	754,890
Nutritional Products	0.5	0.0	0.0	0.5	8	0	0	8	16	35	10	16	142,218	2,294,033	25,019	11.5	272,557
Hematological Agents	0.8	0.2	0.0	0.6	53	46	0	7	64	236	67	11	333,018	21,455,772	37,012	17.0	403,609
Topical Products	0.4	0.2	0.0	0.3	19	13	0	5	42	75	46	21	433,535	18,186,590	85,870	39.3	974,378
Miscellaneous Products	0.4	0.2	0.0	0.2	86	67	5	14	210	304	243	83	28,289	5,932,916	6,154	2.8	69,032
Unknown Therapeutic Category	0.3	0.0	0.0	0.0	7	0	0	0	23	0	0	0	18,239	416,516	5,352	2.5	60,413
<b>TOTAL NO. OF RX AND RX \$</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	9,557,536	627,221,941	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

a. Table D.6 includes the beneficiaries represented by Cell G of Table 1. 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.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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, 0.3 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.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

e. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2005.

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



TABLE D.7  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Top 10 Drug Groups	Users			Among Users			
	Total Medicaid Rx \$	Number of Users	As a Percentage of Dual Beneficiaries	Number of Benefit Months	Number of Rx per Benefit Month	\$ per Rx	Rx \$ per Benefit Month
ANTIPSYCHOTICS	\$121,647,963	76,237	34.9	859,368	0.8	\$188	\$142
ULCER DRUGS	49,715,033	85,288	39.1	958,684	0.6	93	52
ANTICONVULSANT	47,459,484	60,018	27.5	683,566	0.8	89	69
ANTIHYPERLIPIDEMIC	43,186,898	72,004	33.0	822,434	0.6	87	53
ANTIDEPRESSANTS	42,743,019	131,587	60.3	1,474,105	0.6	47	29
ANTIVIRAL	36,177,663	13,287	6.1	152,710	0.5	475	237
ANALGESICS - Narcotic	28,224,010	109,310	50.1	1,229,249	0.4	56	23
ANTIIDIABETIC	27,728,619	67,381	30.9	760,251	0.7	56	36
ANTIASTHMATIC	26,363,904	78,130	35.8	883,408	0.4	76	30
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	21,439,977	17,409	8.0	183,100	0.7	170	117
<b>Total</b>	<b>444,686,570</b>	<b>710,651</b>		<b>8,006,875</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. 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 2005. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

Dual Eligible Beneficiaries

TABLE D.7A  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS COMBINED  
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ULCER DRUGS			
	Number of Rx	Rx \$	Number of Users	Users as % of Dual Benes	Number of Months Among Users	Mean Number of Rx per Rx Month	Mean \$ per Month	Number of Users	Users as % of Dual Benes	Number of Months Among Users	Mean Number of Rx per Rx Month	Mean \$ per Month
<b>All</b>	<b>4,674,114</b>	<b>\$444,686,570</b>	<b>76,237</b>	<b>34.9</b>	<b>859,368</b>	<b>0.8</b>	<b>\$142</b>	<b>85,288</b>	<b>39.1</b>	<b>958,684</b>	<b>0.6</b>	<b>\$52</b>
<b>Female</b>												
All Females	2,927,798	253,773,616	44,390	33.3	497,041	0.7	124	56,890	42.6	639,425	0.6	52
<b>Female, Disabled</b>												
All Ages	1,362,507	140,477,663	24,861	48.6	289,674	0.7	141	21,091	41.3	244,766	0.5	54
5 and younger	44	2,440	0	0.0	0	0.0	0	2	50.0	17	0.5	28
6-14	11	575	0	0.0	0	0.0	0	2	66.7	20	0.4	26
15-20	1,587	180,383	72	42.4	823	0.4	96	34	20.0	383	0.4	29
21-44	426,932	47,767,130	10,661	56.6	124,060	0.7	132	5,981	31.8	69,713	0.5	47
45-64	933,933	92,527,135	14,128	44.0	164,791	0.8	148	15,072	47.0	174,633	0.5	56
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Female, Other Eligibles</b>												
All Ages	1,565,277	113,295,206	19,527	23.7	207,362	0.7	100	35,799	43.5	394,659	0.6	52
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	66	8,370	2	50.0	24	0.7	177	1	25.0	11	0.8	210
21-44	9,424	976,646	229	37.5	2,360	0.4	96	172	28.2	1,845	0.4	39
45-64	4,588	468,805	74	29.7	807	0.6	100	81	32.5	853	0.4	46
65-74	523,080	41,452,232	4,719	17.4	53,532	0.7	124	11,809	43.7	136,206	0.5	52
75-84	535,956	39,009,112	6,303	23.2	67,665	0.7	103	11,867	43.6	132,382	0.6	53
85 and older	492,163	31,380,041	8,200	30.1	82,974	0.7	82	11,869	43.6	123,362	0.7	49
<b>Male</b>												
All Males	1,746,316	190,912,954	31,847	37.5	362,327	0.8	166	28,398	33.5	319,259	0.6	51
<b>Male, Disabled</b>												
All Ages	1,210,073	149,011,331	25,237	48.1	293,691	0.8	177	15,871	30.2	183,244	0.6	53
5 and younger	2	9	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	30	580	0	0.0	0	0.0	0	2	50.0	18	0.8	19
15-20	1,638	226,169	69	37.3	759	0.6	149	34	18.4	390	0.4	33
21-44	425,137	57,688,936	11,914	56.0	138,479	0.8	173	4,836	22.7	56,258	0.5	48
45-64	783,266	91,095,637	13,254	42.7	154,453	0.9	180	10,999	35.5	126,578	0.6	54
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Dual Eligible Beneficiaries

TABLE D.7A  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS COMBINED  
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	All Top 10 Drug Groups			ANTIPSYCHOTICS					ULCER DRUGS				
	Number of Rx	Rx \$	Number of Users	Users as % of Dual Benes	Number of		Mean	Number of	Users as % of Dual Benes	Number of		Mean	
					Benefit Months Among Users	Benefit of Rx per Month				Benefit of Rx \$ per Month	Benefit Months Among Users		Benefit of Rx per Month
<b>Male, Other Eligibles</b>													
All Ages	536,243	41,901,623	6,610	20.4	68,636	0.7	118	12,527	38.7	136,015	0.6	49	
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
6-14	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
15-20	2	117	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
21-44	4,238	461,218	81	24.0	818	0.6	123	58	17.2	596	0.4	54	
45-64	4,911	425,175	71	22.0	767	0.6	89	109	33.9	1,053	0.5	42	
65-74	257,891	21,810,323	2,573	16.7	28,717	0.8	146	5,630	36.4	63,798	0.5	49	
75-84	180,391	13,523,409	2,286	21.3	23,446	0.7	109	4,409	41.1	47,842	0.6	50	
85 and older	88,810	5,681,381	1,599	29.0	14,888	0.7	81	2,321	42.1	22,726	0.6	48	
<b>Unknown</b>	14	747	2	100.0	5	0.8	81	0	0.0	0	0.0	0	

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. 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 2005. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

Dual Eligible Beneficiaries

TABLE D.7B  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR THIRD TO FIFTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ANTICONVULSANT					ANTHYPERLIPIDEMIC					ANTIDEPRESSANTS				
	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month
<b>All</b>	<b>60,018</b>	<b>27.5</b>	<b>683,566</b>	<b>0.8</b>	<b>\$69</b>	<b>72,004</b>	<b>33.0</b>	<b>822,434</b>	<b>0.6</b>	<b>\$53</b>	<b>131,587</b>	<b>60.3</b>	<b>1,474,105</b>	<b>0.6</b>	<b>\$29</b>
<b>Female</b>															
All Females	36,030	27.0	409,531	0.8	66	44,733	33.5	511,862	0.6	52	88,096	66.0	984,619	0.6	29
<b>Female, Disabled</b>															
All Ages	23,235	45.5	269,660	0.8	78	14,437	28.2	167,264	0.6	51	44,273	86.6	512,015	0.6	34
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	2	50.0	20	0.5	17
6-14	0	0.0	0	0.0	0	1	33.3	12	0.3	4	0	0.0	0	0.0	0
15-20	61	35.9	701	0.4	49	3	1.8	34	0.8	42	77	45.3	824	0.4	22
21-44	9,472	50.3	109,995	0.8	84	2,098	11.1	24,412	0.5	43	15,607	82.9	180,398	0.6	32
45-64	13,702	42.7	158,964	0.8	75	12,335	38.4	142,806	0.6	52	28,587	89.1	330,773	0.6	35
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Female, Other Eligibles</b>															
All Ages	12,795	15.5	139,871	0.7	42	30,296	36.8	344,598	0.6	53	43,822	53.2	472,600	0.7	24
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	2	50.0	23	0.3	31	1	25.0	11	0.1	6	2	50.0	24	0.5	3
21-44	262	43.0	2,671	0.6	55	48	7.9	517	0.4	32	518	84.9	5,318	0.5	26
45-64	96	38.6	1,011	0.7	63	59	23.7	636	0.5	43	212	85.1	2,205	0.5	31
65-74	4,758	17.6	54,326	0.7	47	13,543	50.1	156,691	0.6	53	12,324	45.6	141,282	0.6	26
75-84	4,351	16.0	47,718	0.7	41	11,418	42.0	130,319	0.6	54	13,716	50.4	149,470	0.7	24
85 and older	3,326	12.2	34,122	0.7	33	5,227	19.2	56,424	0.7	51	17,050	62.6	174,301	0.7	23
<b>Male</b>															
All Males	23,988	28.3	274,035	0.8	75	27,271	32.1	310,572	0.6	53	43,491	51.3	489,486	0.6	29
<b>Male, Disabled</b>															
All Ages	18,872	36.0	219,135	0.8	82	15,180	28.9	175,366	0.6	52	30,542	58.2	352,925	0.6	31
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	1	25.0	12	0.3	7	3	75.0	18	0.4	4
15-20	43	23.2	488	0.6	73	9	4.9	108	0.4	23	66	35.7	753	0.5	19
21-44	8,193	38.5	95,318	0.8	86	3,377	15.9	39,445	0.6	47	11,918	56.0	137,945	0.6	31
45-64	10,636	34.3	123,329	0.8	78	11,793	38.0	135,801	0.6	53	18,555	59.8	214,209	0.6	31
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Dual Eligible Beneficiaries

TABLE D.7B  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR THIRD TO FIFTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ANTICONSULSANT					ANTHYPERLIPIDEMIC					ANTIDEPRESSANTS					
	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean		Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean		Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean		
				Rx per Benefit Month	Rx \$ per Benefit Month				Rx per Benefit Month	Rx \$ per Benefit Month				Rx per Benefit Month	Rx \$ per Benefit Month	
<b>Male, Other Eligibles</b>																
All Ages	5,116	15.8	54,900	0.7	48	12,091	37.4	135,206	0.6	54	12,949	40.0	136,561	0.6	23	
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
21-44	83	24.6	818	0.5	43	48	14.2	491	0.5	40	175	51.8	1,746	0.4	24	
45-64	83	25.8	827	0.5	48	94	29.2	914	0.6	48	184	57.1	1,811	0.5	26	
65-74	2,472	16.0	27,687	0.7	54	6,732	43.6	76,820	0.6	55	5,119	33.1	57,499	0.6	23	
75-84	1,687	15.7	17,918	0.7	43	4,055	37.8	45,316	0.6	54	4,374	40.8	45,930	0.7	23	
85 and older	791	14.3	7,650	0.7	36	1,162	21.1	11,665	0.7	50	3,097	56.1	29,575	0.7	21	
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	50.0	4	1.3	44	

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. 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 2005. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

TABLE D.7C  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR SIXTH TO EIGHTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ANTIVIRAL					ANALGESICS - Narcotic					ANTIDIABETIC				
	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month
<b>All</b>	<b>13,287</b>	<b>6.1</b>	<b>152,710</b>	<b>0.5</b>	<b>\$237</b>	<b>109,310</b>	<b>50.1</b>	<b>1,229,249</b>	<b>0.4</b>	<b>\$23</b>	<b>67,381</b>	<b>30.9</b>	<b>760,251</b>	<b>0.7</b>	<b>\$37</b>
<b>Female</b>															
All Females	5,924	4.4	68,026	0.4	142	70,744	53.0	794,165	0.4	20	42,008	31.5	474,897	0.7	35
<b>Female, Disabled</b>															
All Ages	3,853	7.5	44,862	0.4	195	36,339	71.1	421,758	0.4	26	13,224	25.9	152,737	0.6	42
5 and younger	2	50.0	24	0.1	11	1	25.0	8	1.0	13	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	1	33.3	12	0.1	1	0	0.0	0	0.0	0
15-20	20	11.8	230	0.3	89	80	47.1	893	0.2	9	7	4.1	63	0.8	33
21-44	1,729	9.2	20,020	0.4	181	13,426	71.3	155,724	0.4	23	2,393	12.7	27,697	0.6	39
45-64	2,102	6.5	24,588	0.5	208	22,831	71.1	265,121	0.4	27	10,824	33.7	124,977	0.7	42
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Female, Other Eligibles</b>															
All Ages	2,071	2.5	23,164	0.2	38	34,404	41.8	372,403	0.4	13	28,783	34.9	322,159	0.7	32
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	3	75.0	34	0.1	1	1	25.0	11	0.2	16
21-44	52	8.5	536	0.5	267	532	87.2	5,735	0.4	23	59	9.7	589	0.5	32
45-64	13	5.2	152	0.5	248	165	66.3	1,766	0.4	21	55	22.1	539	0.5	36
65-74	645	2.4	7,532	0.2	58	12,496	46.2	143,745	0.3	13	12,608	46.6	144,900	0.6	36
75-84	625	2.3	7,124	0.2	28	11,071	40.7	122,622	0.4	13	10,310	37.9	115,750	0.7	32
85 and older	736	2.7	7,820	0.1	8	10,137	37.2	98,501	0.4	15	5,750	21.1	60,370	0.7	25
<b>Male</b>															
All Males	7,363	8.7	84,684	0.6	313	38,566	45.5	435,084	0.4	29	25,373	29.9	285,354	0.6	38
<b>Male, Disabled</b>															
All Ages	6,596	12.6	76,169	0.7	336	27,497	52.4	316,308	0.4	34	13,280	25.3	152,325	0.7	43
5 and younger	0	0.0	0	0.0	0	1	50.0	12	0.1	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	1	25.0	6	0.3	5	0	0.0	0	0.0	0
15-20	9	4.9	107	0.3	344	47	25.4	536	0.1	2	5	2.7	60	0.6	36
21-44	2,734	12.9	31,443	0.6	316	10,210	48.0	117,780	0.4	31	2,674	12.6	31,109	0.6	43
45-64	3,853	12.4	44,619	0.7	351	17,238	55.6	197,974	0.5	35	10,601	34.2	121,156	0.7	43
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Dual Eligible Beneficiaries

TABLE D.7C  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR SIXTH TO EIGHTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ANTIVIRAL					ANALGESICS - Narcotic					ANTIDIABETIC				
	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Number of Rx per Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Number of Rx per Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Number of Rx per Month	Mean Rx \$ per Benefit Month
<b>Male, Other Eligibles</b>															
All Ages	767	2.4	8,515	0.3	109	11,069	34.2	118,776	0.4	15	12,093	37.4	133,029	0.6	33
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	1	50.0	12	0.1	0	0	0.0	0	0.0	0
21-44	26	7.7	254	0.6	246	240	71.0	2,429	0.6	44	47	13.9	420	0.6	50
45-64	20	6.2	221	0.3	143	196	60.9	2,051	0.5	45	102	31.7	1,025	0.6	36
65-74	393	2.5	4,462	0.4	174	5,566	36.0	62,905	0.4	17	6,597	42.7	74,700	0.6	36
75-84	185	1.7	2,082	0.1	18	3,316	30.9	35,430	0.3	11	3,991	37.2	43,676	0.6	30
85 and older	143	2.6	1,496	0.1	12	1,750	31.7	15,949	0.4	8	1,356	24.6	13,208	0.7	25
<b>Unknown</b>	0	0.0	0	0.0	0	1	50.0	4	0.3	1	1	50.0	1	1.0	61

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. 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 2005. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

Dual Eligible Beneficiaries

TABLE D.7D  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR NINTH AND TENTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ANTIASTHMATIC					MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL						
	Number of Users	Users as % of Dual Benes	Number of Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Beneficiaries	Number of Benefit Months
<b>All</b>	<b>78,130</b>	<b>35.8</b>	<b>883,408</b>	<b>0.4</b>	<b>\$30</b>	<b>17,409</b>	<b>8.0</b>	<b>183,100</b>	<b>0.7</b>	<b>\$117</b>	<b>218,317</b>	<b>2,367,479</b>
<b>Female</b>												
All Females	53,072	39.8	601,286	0.4	29	12,897	9.7	136,457	0.7	119	133,470	1,446,964
<b>Female, Disabled</b>												
All Ages	24,250	47.4	281,869	0.4	28	1,307	2.6	15,186	0.6	394	51,107	575,022
5 and younger	4	100.0	48	0.3	26	0	0.0	0	0.0	0	4	37
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	3	32
15-20	46	27.1	522	0.2	12	0	0.0	0	0.0	0	170	1,813
21-44	7,415	39.4	86,118	0.3	21	384	2.0	4,450	0.5	459	18,836	212,008
45-64	16,785	52.3	195,181	0.4	31	923	2.9	10,736	0.6	367	32,094	361,132
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
<b>Female, Other Eligibles</b>												
All Ages	28,821	35.0	319,416	0.4	31	11,589	14.1	121,267	0.7	85	82,363	871,942
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
15-20	5	125.0	58	0.2	13	0	0.0	0	0.0	0	4	36
21-44	173	28.4	1,814	0.3	15	13	2.1	141	0.5	394	610	5,541
45-64	102	41.0	1,095	0.4	27	12	4.8	128	0.4	506	249	2,305
65-74	11,204	41.4	129,171	0.4	33	1,185	4.4	13,178	0.6	95	27,045	301,717
75-84	9,310	34.2	103,841	0.4	32	4,240	15.6	44,875	0.7	82	27,206	294,238
85 and older	8,027	29.5	83,437	0.4	27	6,139	22.5	62,945	0.7	83	27,249	268,105
<b>Male</b>												
All Males	25,058	29.5	282,122	0.4	31	4,512	5.3	46,643	0.7	111	84,845	920,510
<b>Male, Disabled</b>												
All Ages	13,942	26.6	160,621	0.4	28	998	1.9	11,577	0.5	200	52,486	584,126
5 and younger	1	50.0	12	0.1	1	0	0.0	0	0.0	0	2	13
6-14	1	25.0	6	0.3	6	0	0.0	0	0.0	0	4	42
15-20	36	19.5	429	0.3	17	2	1.1	19	0.3	56	185	2,073
21-44	4,172	19.6	48,603	0.3	21	311	1.5	3,633	0.5	225	21,272	237,702
45-64	9,732	31.4	111,571	0.4	32	685	2.2	7,925	0.6	188	31,023	344,296
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0



TABLE D.7D  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR NINTH AND TENTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ANTIASTHMATIC					MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL						
	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of Dual Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Beneficiaries	Number of Benefit Months
<b>Male, Other Eligibles</b>												
All Ages	11,116	34.4	121,501	0.4	34	3,514	10.9	35,066	0.7	82	32,359	336,384
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
15-20	1	50.0	12	0.1	9	0	0.0	0	0.0	0	2	20
21-44	62	18.3	632	0.4	22	4	1.2	45	0.5	629	338	2,852
45-64	80	24.8	806	0.4	26	4	1.2	37	0.2	50	322	2,898
65-74	5,479	35.5	62,503	0.5	37	678	4.4	7,277	0.6	86	15,451	168,408
75-84	3,711	34.6	40,154	0.4	34	1,523	14.2	15,604	0.7	80	10,727	112,184
85 and older	1,783	32.3	17,394	0.4	27	1,305	23.6	12,103	0.7	79	5,519	50,022
<b>Unknown</b>	1	50.0	1	1.0	57	1	50.0	4	0.5	12	2	5

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. 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 2005. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentid=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

Dual Eligible Beneficiaries

TABLE D.8  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	Rx \$ per Benefit Month	Number of Rx per Benefit Month	Number of All-Year Nursing Facility Residents	Benefit Months Among All-Year Nursing Facility Residents
<b>All</b>	<b>\$296</b>	<b>6.4</b>	<b>29,169</b>	<b>291,740</b>
<b>Age</b>				
0-64	494	7.2	1,943	21,737
65-74	438	7.8	2,855	29,961
75-84	315	6.8	8,589	86,608
85 and older	230	5.7	15,781	153,430
Unknown	137	7.3	1	4
<b>Gender</b>				
Female	281	6.3	22,195	223,370
Male	346	6.7	6,974	68,370
Unknown	0	0.0	0	0
<b>Race</b>				
White	305	6.4	19,316	197,299
African American	365	6.8	481	5,143
Other/unknown	271	6.2	9,372	89,298
<b>Basis of Eligibility<sup>c</sup></b>				
Aged	280	6.3	27,226	270,003
Disabled	494	7.2	1,943	21,737
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 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

a. Table D.8 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their 2005 Medicaid enrollment. A total of 16,236 beneficiaries who were in nursing facilities for part of their enrollment and their 156,863 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 = Centers for Medicare & Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy; \$ = Medicaid reimbursement.

TABLE D.9  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d, e</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Therapeutic Category	Number of Rx per Benefit Month Among Users				\$ per Benefit Month Among Users								\$ per Rx		Users		
	Total	Off-Brand-Name	Patent Brand-Name	Generic	Total	Off-Brand-Name	Patent Brand-Name	Generic	Total	Off-Brand-Name	Patent Brand-Name	Generic	Total Number of Rx	Total Rx \$	Number of Users	As a Percentage of Dual All-Year Nursing Facility Residents	Number of Benefit Months
Anti-infective Agents	0.3	0.1	0.0	0.2	\$16	\$10	\$2	\$4	\$47	\$91	\$79	\$19	65,036	\$3,088,675	18,233	62.5	193,000
Biologicals	0.1	0.0	0.0	0.1	3	0	0	3	29	57	0	28	433	12,510	412	1.4	4,524
Antineoplastic Agents	0.6	0.1	0.0	0.4	78	43	0	35	137	316	0	81	7,897	1,079,054	1,395	4.8	13,773
Endocrine/Metabolic Drugs	1.2	0.3	0.2	0.6	37	23	7	7	32	68	41	11	162,021	5,137,364	13,423	46.0	140,253
Cardiovascular Agents	2.0	0.4	0.0	1.6	40	23	0	17	20	57	36	11	426,498	8,551,267	20,644	70.8	212,347
Respiratory Agents	0.7	0.5	0.0	0.2	42	40	0	2	63	80	23	11	61,076	3,845,883	8,788	30.1	92,382
Gastrointestinal Agents	1.0	0.5	0.0	0.4	56	50	0	6	57	96	19	13	159,238	9,149,891	15,731	53.9	164,267
Genitourinary Agents	0.5	0.3	0.0	0.2	30	24	0	6	55	70	35	29	34,555	1,903,796	5,913	20.3	62,997
CNS Drugs	1.7	0.7	0.0	1.0	114	93	0	20	68	142	34	20	378,732	25,799,910	21,906	75.1	226,728
Stimulants/Anti-obesity/Anorexia	0.7	0.1	0.0	0.6	16	6	0	9	24	68	9	17	2,404	57,386	338	1.2	3,671
Miscellaneous Psychological/Neurological Agents	1.0	1.0	0.0	0.0	117	117	0	0	119	119	0	29	68,400	8,165,219	6,748	23.1	69,935
Analgesics and Anesthetics	0.8	0.2	0.0	0.6	33	13	4	16	44	78	137	29	88,818	3,867,515	11,810	40.5	117,359
Neuromuscular Agents	1.2	0.4	0.0	0.7	70	43	1	26	61	106	115	35	107,846	6,536,068	8,780	30.1	93,578
Nutritional Products	0.7	0.0	0.0	0.6	10	0	0	10	15	12	10	16	44,129	675,499	6,299	21.6	64,855
Hematological Agents	1.4	0.2	0.0	1.2	45	36	0	8	32	167	30	7	133,147	4,258,839	9,231	31.6	95,666
Topical Products	0.6	0.3	0.0	0.3	22	15	1	6	36	58	48	18	108,646	3,869,758	16,353	56.1	175,576
Miscellaneous Products	0.3	0.1	0.0	0.2	19	13	0	6	70	109	76	40	3,894	274,291	1,313	4.5	14,141
Unknown Therapeutic Category	0.3	0.0	0.0	0.0	6	0	0	0	19	0	0	0	3,654	68,903	1,129	3.9	12,225
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.	1,856,424	86,341,828	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. A total of 16,236 beneficiaries who were in nursing facilities for part of their enrollment and their 156,863 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 2005. 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.medispans.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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.medispans.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

In Massachusetts, 0.3 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 = Centers for Medicare & Medicaid Services; CNS = Central Nervous System; MAX = Medicaid Analytic Extract; n.a. = not applicable; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY TOP-10 DRUG GROUP<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Top 10 Drug Groups in Nursing Facilities	Total Medicaid Rx \$	Users			Among Users		
		Number of Users	As a Percentage of All-Year Nursing Facility Residents	Number of Benefit Months per	Number of Rx per Benefit Month	Rx \$ per Benefit Month	\$ per Rx
ANTIPSYCHOTICS	\$18,237,017	13,849	47.5	146,878	0.8	\$147	\$124
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	8,165,219	8,058	27.6	83,734	0.8	119	98
ULCER DRUGS	8,049,864	14,111	48.4	148,273	0.8	71	54
ANTIDEPRESSANTS	7,008,902	24,605	84.4	259,952	0.8	34	27
ANTICONVULSANT	5,043,532	7,779	26.7	83,877	0.9	67	60
ANTIHYPERLIPIDEMIC	3,677,060	6,334	21.7	67,037	0.9	64	55
ANTIASTHMATIC	3,301,295	10,750	36.9	113,091	0.4	67	29
ANTIDIABETIC	2,945,665	8,885	30.5	94,585	0.9	35	31
MISC. ENDOCRINE	2,336,993	4,886	16.8	52,416	0.7	65	45
DERMATOLOGICAL	2,289,344	20,681	70.9	227,102	0.3	36	10
<b>Total</b>	<b>61,054,891</b>	<b>119,938</b>		<b>1,276,945</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. A total of 16,236 beneficiaries who were in nursing facilities for part of their enrollment and their 156,863 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 2005. 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 2005 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

Dual Eligible Beneficiaries

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, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	All Top 10 Drug Groups			ANTIPSYCHOTICS				MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL				
	Number of Rx	Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$
<b>All</b>	<b>879,559</b>	<b>\$61,054,891</b>	<b>13,849</b>	<b>47.5</b>	<b>146,878</b>	<b>0.8</b>	<b>\$124</b>	<b>8,058</b>	<b>27.6</b>	<b>83,734</b>	<b>0.8</b>	<b>\$98</b>
<b>Female</b>												
All Females	654,796	44,262,838	10,259	46.2	109,041	0.8	116	6,220	28.0	65,338	0.8	97
<b>Female, Disabled</b>												
All Ages	39,937	3,806,241	586	65.0	6,788	1.0	186	99	11.0	1,140	0.8	435
64 or younger	39,937	3,806,241	586	65.0	6,788	1.0	186	99	11.0	1,140	0.8	435
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Female, Other Eligibles</b>												
All Ages	614,849	40,456,325	9,672	45.4	102,249	0.8	111	6,120	28.7	64,194	0.8	91
64 or younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	70,998	5,660,305	1,137	70.7	12,696	1.0	167	297	18.5	3,159	0.8	113
75-84	213,928	14,416,552	3,197	51.3	34,484	0.8	123	2,005	32.2	21,165	0.8	91
85 and older	329,923	20,379,468	5,338	39.7	55,069	0.8	91	3,818	28.4	39,870	0.8	90
<b>Male</b>												
All Males	224,763	16,792,053	3,590	51.5	37,837	0.9	148	1,838	26.4	18,396	0.8	99
<b>Male, Disabled</b>												
All Ages	44,325	4,134,322	704	67.6	8,139	1.0	199	84	8.1	951	0.8	244
64 or younger	44,325	4,134,322	704	67.6	8,139	1.0	199	84	8.1	951	0.8	244
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Male, Other Eligibles</b>												
All Ages	180,438	12,657,731	2,886	48.7	29,698	0.9	134	1,754	29.6	17,445	0.8	91
64 or younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	51,258	4,135,321	817	65.5	9,012	1.0	181	256	20.5	2,706	0.8	100
75-84	74,646	5,092,009	1,121	47.6	11,594	0.9	127	742	31.5	7,567	0.8	91
85 and older	54,534	3,430,401	948	40.7	9,092	0.8	96	756	32.5	7,172	0.8	88
<b>Unknown</b>	<b>10</b>	<b>272</b>	<b>1</b>	<b>100.0</b>	<b>4</b>	<b>0.8</b>	<b>13</b>	<b>1</b>	<b>100.0</b>	<b>4</b>	<b>0.5</b>	<b>12</b>

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. A total of 16,236 beneficiaries who were in nursing facilities for part of their enrollment and their 156,863 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 2005. 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 2005 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medspan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Centers for Medicare & 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, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ULCER DRUGS					ANTIDEPRESSANTS					ANTICONVULSANT				
	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$
<b>All</b>	<b>14,111</b>	<b>48.4</b>	<b>148,273</b>	<b>0.8</b>	<b>\$54</b>	<b>24,605</b>	<b>84.4</b>	<b>259,952</b>	<b>0.8</b>	<b>\$27</b>	<b>7,779</b>	<b>26.7</b>	<b>83,877</b>	<b>0.9</b>	<b>\$60</b>
<b>Female</b>															
All Females	10,473	47.2	110,306	0.8	54	18,832	84.9	199,214	0.8	27	5,213	23.5	56,303	0.9	55
<b>Female, Disabled</b>															
All Ages	491	54.5	5,577	0.8	59	799	88.7	9,149	0.9	39	608	67.5	6,999	1.1	95
64 or younger	491	54.5	5,577	0.8	59	799	88.7	9,149	0.9	39	608	67.5	6,999	1.1	95
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Female, Other Eligibles</b>															
All Ages	9,982	46.9	104,729	0.8	53	18,032	84.7	190,061	0.8	26	4,605	21.6	49,304	0.8	49
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	845	52.5	9,224	0.8	62	1,527	95.0	16,887	0.8	33	847	52.7	9,456	0.9	70
75-84	3,025	48.5	32,261	0.8	56	5,649	90.6	60,445	0.8	27	1,811	29.1	19,676	0.9	51
85 and older	6,112	45.4	63,244	0.8	51	10,856	80.7	112,729	0.8	25	1,947	14.5	20,172	0.8	37
<b>Male</b>															
All Males	3,638	52.2	37,967	0.8	57	5,773	82.8	60,738	0.8	27	2,566	36.8	27,574	0.9	71
<b>Male, Disabled</b>															
All Ages	591	56.7	6,747	0.8	63	826	79.3	9,569	0.9	30	740	71.0	8,553	1.1	107
64 or younger	591	56.7	6,747	0.8	63	826	79.3	9,569	0.9	30	740	71.0	8,553	1.1	107
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Male, Other Eligibles</b>															
All Ages	3,047	51.4	31,220	0.8	55	4,947	83.4	51,169	0.8	26	1,826	30.8	19,021	0.8	56
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	713	57.2	7,776	0.8	59	1,152	92.4	12,633	0.8	28	620	49.7	6,764	0.9	70
75-84	1,250	53.0	12,866	0.8	55	2,002	84.9	20,948	0.8	27	756	32.1	7,929	0.8	52
85 and older	1,084	46.6	10,578	0.8	53	1,793	77.0	17,588	0.8	24	450	19.3	4,328	0.7	40
<b>Unknown</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>1</b>	<b>100.0</b>	<b>4</b>	<b>1.3</b>	<b>44</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. A total of 16,236 beneficiaries who were in nursing facilities for part of their enrollment and their 156,863 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 2005. 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 2005 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medspan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Centers for Medicare & 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, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	ANTIHYPERLIPIDEMIC					ANTIASTHMATIC					ANTIDIABETIC				
	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$
<b>All</b>	<b>6,334</b>	<b>21.7</b>	<b>67,037</b>	<b>0.9</b>	<b>\$55</b>	<b>10,750</b>	<b>36.9</b>	<b>113,091</b>	<b>0.4</b>	<b>\$29</b>	<b>8,885</b>	<b>30.5</b>	<b>94,585</b>	<b>0.9</b>	<b>\$31</b>
<b>Female</b>															
All Females	4,530	20.4	48,188	0.9	55	8,038	36.2	85,370	0.4	28	6,332	28.5	67,877	0.9	31
<b>Female, Disabled</b>															
All Ages	232	25.7	2,644	0.9	61	400	44.4	4,583	0.5	35	299	33.2	3,465	0.9	41
64 or younger	232	25.7	2,644	0.9	61	400	44.4	4,583	0.5	35	299	33.2	3,465	0.9	41
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Female, Other Eligibles</b>															
All Ages	4,298	20.2	45,544	0.9	54	7,638	35.9	80,787	0.4	28	6,033	28.3	64,412	0.9	31
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	603	37.5	6,629	0.9	62	735	45.7	8,126	0.5	38	794	49.4	8,780	1.0	39
75-84	1,734	27.8	18,487	0.9	55	2,464	39.5	26,335	0.4	30	2,318	37.2	25,152	0.9	33
85 and older	1,961	14.6	20,428	0.8	51	4,439	33.0	46,326	0.4	25	2,921	21.7	30,480	0.8	26
<b>Male</b>															
All Males	1,804	25.9	18,849	0.9	56	2,712	38.9	27,721	0.5	32	2,553	36.6	26,708	0.9	31
<b>Male, Disabled</b>															
All Ages	290	27.8	3,347	0.9	58	342	32.8	3,852	0.5	36	376	36.1	4,353	1.0	40
64 or younger	290	27.8	3,347	0.9	58	342	32.8	3,852	0.5	36	376	36.1	4,353	1.0	40
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Male, Other Eligibles</b>															
All Ages	1,514	25.5	15,502	0.9	55	2,370	40.0	23,869	0.5	31	2,177	36.7	22,355	0.9	30
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	432	34.6	4,688	0.9	62	581	46.6	6,357	0.5	36	621	49.8	6,748	0.9	36
75-84	673	28.6	6,994	0.9	54	939	39.8	9,379	0.5	33	986	41.8	10,156	0.8	27
85 and older	409	17.6	3,820	0.8	49	850	36.5	8,133	0.4	26	570	24.5	5,451	0.8	26
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. A total of 16,236 beneficiaries who were in nursing facilities for part of their enrollment and their 156,863 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 2005. 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 2005 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispain.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Centers for Medicare & 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, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	MISC. ENDOCRINE					DERMATOLOGICAL					All-Year Nursing Facility Residents	Benefit Months Among All-Year Nursing Facility Residents
	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$		
<b>All</b>	<b>4,886</b>	<b>16.8</b>	<b>52,416</b>	<b>0.7</b>	<b>\$45</b>	<b>20,681</b>	<b>70.9</b>	<b>227,102</b>	<b>0.3</b>	<b>\$10</b>	<b>29,169</b>	<b>291,740</b>
<b>Female</b>												
All Females	4,490	20.2	48,148	0.7	44	15,463	69.7	170,338	0.3	10	22,194	223,366
<b>Female, Disabled</b>												
All Ages	192	21.3	2,245	0.6	54	829	92.0	9,611	0.3	11	901	10,035
64 or younger	192	21.3	2,245	0.6	54	829	92.0	9,611	0.3	11	901	10,035
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
<b>Female, Other Eligibles</b>												
All Ages	4,298	20.2	45,903	0.7	43	14,634	68.7	160,727	0.3	10	21,293	213,331
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
65-74	311	19.3	3,448	0.7	50	1,309	81.4	14,783	0.3	11	1,608	16,933
75-84	1,308	21.0	14,157	0.7	44	4,720	75.7	52,416	0.3	10	6,232	63,831
85 and older	2,679	19.9	28,298	0.7	42	8,605	64.0	93,528	0.3	9	13,453	132,567
<b>Male</b>												
All Males	396	5.7	4,268	0.7	54	5,218	74.8	56,764	0.3	11	6,974	68,370
<b>Male, Disabled</b>												
All Ages	71	6.8	838	0.7	68	876	84.1	10,268	0.3	10	1,042	11,702
64 or younger	71	6.8	838	0.7	68	876	84.1	10,268	0.3	10	1,042	11,702
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
<b>Male, Other Eligibles</b>												
All Ages	325	5.5	3,430	0.7	50	4,342	73.2	46,496	0.3	12	5,932	56,668
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
65-74	67	5.4	750	0.6	53	1,003	80.4	11,340	0.3	13	1,247	13,028
75-84	129	5.5	1,413	0.7	46	1,817	77.1	19,510	0.3	12	2,357	22,777
85 and older	129	5.5	1,267	0.6	54	1,522	65.4	15,646	0.3	11	2,328	20,863
<b>Unknown</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>1</b>	<b>4</b>

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. A total of 16,236 beneficiaries who were in nursing facilities for part of their enrollment and their 156,863 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 2005. 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 2005 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medspan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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



TABLE D.11  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 AMONG DUALS, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 MASSACHUSETTS, 2005

Beneficiary Characteristics	Number of Beneficiaries with at Least One Part D Excluded Rx	Percentage of Beneficiaries with at Least One Part D Excluded Rx	Number of Part D Excluded Rx per Beneficiary	Total Number Part D Excluded Rx	Part D Excluded Rx \$ per Beneficiary	Total Part D Excluded Rx \$	\$ per Part D Excluded Rx	Part D Excluded Rx \$ as a Percentage of All Dual Rx \$	Total Number of Beneficiaries	
<b>All</b>	<b>102,878</b>	<b>47.1</b>	<b>4.1</b>	<b>899,157</b>	<b>\$40</b>	<b>\$8,662,099</b>	<b>\$10</b>	<b>1.4</b>	<b>218,317</b>	
<b>Age</b>										
5 and younger	3	50.0	3.3	20	49	293	15	1.3	6	
6-14	6	85.7	14.7	103	245	1,713	17	6.5	7	
15-20	103	28.5	1.9	701	22	8,066	12	1.1	361	
21-44	18,262	44.5	4.0	166,031	38	1,573,534	9	1.2	41,056	
45-64	33,835	53.1	5.4	346,511	54	3,437,669	10	1.4	63,688	
65-74	20,154	47.4	3.7	158,764	34	1,460,409	9	1.5	42,496	
75-84	17,133	45.2	3.5	132,668	32	1,203,029	9	1.4	37,933	
85 and older	13,382	40.8	2.9	94,359	30	977,386	10	1.6	32,768	
Unknown	0	0.0	0.0	0	0	0	0	0.0	2	
<b>Basis of Eligibility<sup>c</sup></b>										
Aged	50,668	44.8	3.4	385,783	32	3,640,807	9	1.5	113,191	
Disabled	51,541	49.8	4.9	508,955	48	4,980,161	10	1.3	103,593	
Adults	667	43.6	2.9	4,404	27	41,019	9	1.3	1,529	
Children	2	50.0	3.8	15	28	112	7	0.5	4	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
<b>Gender</b>										
Female	67,325	50.4	4.4	590,071	44	5,843,142	10	1.6	133,472	
Male	35,553	41.9	3.6	309,086	33	2,818,957	9	1.1	84,845	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
<b>Race</b>										
White	69,149	48.7	4.4	626,635	42	5,913,707	9	1.4	141,892	
African American	5,390	46.5	3.5	40,993	34	389,523	10	1.3	11,585	
Other/unknown	28,339	43.7	3.6	231,529	36	2,358,869	10	1.3	64,840	
<b>Use of Nursing Facilities<sup>d</sup></b>										
Entire year	11,841	40.6	3.1	91,726	39	1,125,578	12	1.3	29,169	
Part year	9,028	55.6	4.1	67,025	43	704,087	11	1.6	16,236	
None	82,009	47.4	4.3	740,406	40	6,832,434	9	1.4	172,912	
<b>Maintenance Assistance Status</b>										
Cash	46,018	50.7	4.5	409,423	37	3,391,464	8	1.4	90,750	
Medically needy	6,475	42.3	4.2	64,605	39	598,988	9	1.7	15,319	
Poverty related	36,852	46.0	4.0	321,335	42	3,390,756	11	1.4	80,171	
Other/unknown	13,533	42.2	3.2	103,794	40	1,280,891	12	1.3	32,077	

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

b. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. 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 = Centers for Medicare & Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.12  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 AMONG DUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 MASSACHUSETTS, 2005

Beneficiary Characteristics	Number Rx per Benefit Month	Rx \$ per Benefit Month	\$ per Rx	Barbiturate \$ per Benefit Month	Benzodiazapine \$ per Benefit Month	Number of Benefit Months
<b>All</b>	<b>0.4</b>	<b>\$4</b>	<b>\$10</b>	<b>\$0</b>	<b>\$2</b>	<b>2,367,479</b>
<b>Age</b>						
5 and younger	0.4	6	15	0	0	50
6-14	1.4	23	17	0	0	74
15-20	0.2	2	12	0	1	3,942
21-44	0.4	3	9	0	2	458,103
45-64	0.5	5	10	0	3	710,631
65-74	0.3	3	9	0	1	470,125
75-84	0.3	3	9	0	1	406,422
85 and older	0.3	3	10	0	1	318,127
Unknown	0.0	0	0	0	0	5
<b>Basis of Eligibility<sup>c</sup></b>						
Aged	0.3	3	9	0	1	1,194,665
Disabled	0.4	4	10	0	2	1,159,148
Adults	0.3	3	9	0	2	13,634
Children	0.5	4	7	0	0	32
Unknown	0.0	0	0	0	0	0
<b>Gender</b>						
Female	0.4	4	10	0	2	1,446,969
Male	0.3	3	9	0	2	920,510
Unknown	0.0	0	0	0	0	0
<b>Race</b>						
White	0.4	4	9	0	2	1,567,647
African American	0.3	3	10	0	1	128,975
Other/unknown	0.3	4	10	0	2	670,857
<b>Use of Nursing Facilities<sup>d</sup></b>						
Entire year	0.3	4	12	0	1	291,740
Part year	0.4	4	11	0	1	156,863
None	0.4	4	9	0	2	1,918,876
<b>Maintenance Assistance Status</b>						
Cash	0.4	3	8	0	2	1,043,714
Medically needy	0.4	4	9	0	2	155,973
Poverty related	0.4	4	11	0	2	855,754
Other/unknown	0.3	4	12	0	2	312,038

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

b. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. 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 = Centers for Medicare & Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.13  
USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D FOR SELECTED DRUG CATEGORIES AMONG DUALS<sup>a,b,c</sup>  
MASSACHUSETTS, 2005

Drug Category	Number of Users	Rx \$ per User	Total Rx \$	Rx \$ as a Percentage of All Part D		Number Rx as a Percentage of All Part D	
				Excluded Rx \$	Total Number Rx. \$ per Rx	Excluded Rx	
<b>All</b>	<b>136,203</b>	<b>\$64</b>	<b>\$8,662,099</b>	<b>100.0</b>	<b>899,157</b>	<b>\$10</b>	<b>100.0</b>
Anorexia or weight loss/gain	0	0	0	0.0	0	0	0.0
Fertility drugs	1	13	13	0.0	1	13	0.0
Drugs for cosmetic purposes	146	13	1,868	0.0	240	8	0.0
Cough and cold medications	1,262	92	115,603	1.3	3,744	31	0.4
Vitamins and minerals	23,877	91	2,165,782	25.0	137,352	16	15.3
Non-prescription drugs	46,312	26	1,183,305	13.7	305,631	4	34.0
Barbiturates	1,574	65	102,725	1.2	16,778	6	1.9
Benzodiazepines	57,535	74	4,247,728	49.0	411,593	10	45.8
Other Part D Excl Rx Drugs	5,496	154	845,075	9.8	23,818	35	2.6

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2005. 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. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. 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.

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

Dual Eligible Beneficiaries

SUPPLEMENTAL TABLE 1  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES<sup>a, b</sup>  
 MASSACHUSETTS, 2005

Total Number of Dual Eligible Beneficiaries: 218,317  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries: \$627,221,941  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary: \$2,873

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	24,019	11.0	\$0	0.0
1-500	42,621	19.5	8,567,591	1.4
501-1,000	23,219	10.6	17,183,816	2.7
1,001-1,500	18,740	8.6	23,306,260	3.7
1,501-2,000	15,722	7.2	27,406,936	4.4
2,001-2,500	13,198	6.0	29,595,057	4.7
2,501-3,000	11,206	5.1	30,759,572	4.9
3,001-3,500	9,547	4.4	30,976,537	4.9
3,501-4,000	8,103	3.7	30,335,915	4.8
4,001-4,500	6,959	3.2	29,535,105	4.7
4,501-5,000	5,859	2.7	27,784,777	4.4
5,001-5,500	5,012	2.3	26,279,046	4.2
5,501-6,000	4,248	1.9	24,405,172	3.9
6,001-6,500	3,654	1.7	22,818,758	3.6
6,501-7,000	3,081	1.4	20,771,026	3.3
7,001-7,500	2,660	1.2	19,261,846	3.1
7,501-8,000	2,386	1.1	18,464,406	2.9
8,001-8,500	2,009	0.9	16,562,533	2.6
8,501-9,000	1,663	0.8	14,536,308	2.3
9,001-9,500	1,533	0.7	14,178,166	2.3
9,501-10,000	1,266	0.6	12,333,678	2.0
10,001+	11,612	5.3	182,159,436	29.0

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

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

SUPPLEMENTAL TABLE 1A  
 MEDICAID PHARMACY REIMBURSEMENT FOR DISABLED DUAL ELIGIBLE BENEFICIARIES UNDER AGE 65<sup>a, b, c</sup>  
 MASSACHUSETTS, 2005

Total Number of Disabled Dual Eligible Beneficiaries, Age < 65: 103,593  
 Total Pharmacy Reimbursement for Disabled Dual Eligible Beneficiaries, Age < 65: \$374,296,031  
 Mean Pharmacy Reimbursement per Disabled Dual Eligible Beneficiary, Age < 65: \$3,613

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Disabled Dual Beneficiaries,		Percent of Total Pharmacy Reimbursement
		Age < 65	Pharmacy Reimbursement	
\$0	11,050	10.7	0	0.0
1-500	20,130	19.4	3,788,977	1.0
501-1,000	9,471	9.1	6,983,775	1.9
1,001-1,500	7,636	7.4	9,493,970	2.5
1,501-2,000	6,332	6.1	11,032,840	2.9
2,001-2,500	5,290	5.1	11,864,217	3.2
2,501-3,000	4,616	4.5	12,677,809	3.4
3,001-3,500	4,016	3.9	13,043,410	3.5
3,501-4,000	3,506	3.4	13,124,566	3.5
4,001-4,500	3,094	3.0	13,144,637	3.5
4,501-5,000	2,792	2.7	13,248,384	3.5
5,001-5,500	2,557	2.5	13,413,648	3.6
5,501-6,000	2,249	2.2	12,937,063	3.5
6,001-6,500	2,046	2.0	12,784,893	3.4
6,501-7,000	1,817	1.8	12,254,770	3.3
7,001-7,500	1,629	1.6	11,801,905	3.2
7,501-8,000	1,484	1.4	11,483,613	3.1
8,001-8,500	1,325	1.3	10,927,698	2.9
8,501-9,000	1,085	1.0	9,485,677	2.5
9,001-9,500	1,067	1.0	9,865,940	2.6
9,501-10,000	901	0.9	8,778,821	2.3
10,001+	9,500	9.2	152,159,418	40.7

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

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

c. This table is limited to dual eligible beneficiaries who were under age 65 and also indicated as disabled in the MAX files. Therefore, dual eligible beneficiaries under age 65 in "adults" or "children" basis-of-eligibility categories in Table D.2 are excluded because they were not classified as disabled in the MAX files. Disabled dual eligible beneficiaries age 65 and older are included in Supplemental Tables 1B through 1E, depending on their age.

SUPPLEMENTAL TABLE 1B  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 65 AND OLDER<sup>a, b</sup>  
 MASSACHUSETTS, 2005

Total Number of Dual Eligible Beneficiaries, Age 65+: 113,197  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 65+: \$249,711,062  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 65+: \$2,206

Annual Pharmacy Reimbursement per Beneficiary	Percent of Dual Beneficiaries, Age 65		Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
	Number of Beneficiaries	+		
\$0	12,759	11.3	0	0.0
1-500	22,020	19.5	4,694,860	1.9
501-1,000	13,541	12.0	10,049,775	4.0
1,001-1,500	10,978	9.7	13,654,703	5.5
1,501-2,000	9,328	8.2	16,267,568	6.5
2,001-2,500	7,835	6.9	17,566,289	7.0
2,501-3,000	6,534	5.8	17,927,670	7.2
3,001-3,500	5,483	4.8	17,778,393	7.1
3,501-4,000	4,555	4.0	17,054,097	6.8
4,001-4,500	3,836	3.4	16,269,609	6.5
4,501-5,000	3,041	2.7	14,413,707	5.8
5,001-5,500	2,438	2.2	12,777,564	5.1
5,501-6,000	1,979	1.7	11,354,088	4.5
6,001-6,500	1,595	1.4	9,951,753	4.0
6,501-7,000	1,255	1.1	8,455,696	3.4
7,001-7,500	1,017	0.9	7,358,355	2.9
7,501-8,000	892	0.8	6,903,739	2.8
8,001-8,500	677	0.6	5,577,288	2.2
8,501-9,000	567	0.5	4,954,356	2.0
9,001-9,500	457	0.4	4,228,245	1.7
9,501-10,000	362	0.3	3,525,895	1.4
10,001+	2,048	1.8	28,947,412	11.6

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

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

SUPPLEMENTAL TABLE 1C  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 65 TO 74<sup>a, b</sup>  
 MASSACHUSETTS, 2005

Total Number of Dual Eligible Beneficiaries, Age 65-74: 42,496  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 65-74: \$100,194,539  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 65-74: \$2,357

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age		Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
		65-74			
\$0	5,520	13.0		0	0.0
1-500	7,671	18.1		1,585,811	1.6
501-1,000	4,806	11.3		3,580,123	3.6
1,001-1,500	4,123	9.7		5,135,221	5.1
1,501-2,000	3,393	8.0		5,921,862	5.9
2,001-2,500	2,884	6.8		6,460,647	6.4
2,501-3,000	2,417	5.7		6,638,694	6.6
3,001-3,500	1,956	4.6		6,342,460	6.3
3,501-4,000	1,629	3.8		6,096,972	6.1
4,001-4,500	1,411	3.3		5,987,793	6.0
4,501-5,000	1,101	2.6		5,213,547	5.2
5,001-5,500	870	2.0		4,562,369	4.6
5,501-6,000	744	1.8		4,271,035	4.3
6,001-6,500	601	1.4		3,752,126	3.7
6,501-7,000	450	1.1		3,032,613	3.0
7,001-7,500	410	1.0		2,969,015	3.0
7,501-8,000	368	0.9		2,850,651	2.8
8,001-8,500	302	0.7		2,489,890	2.5
8,501-9,000	246	0.6		2,149,496	2.1
9,001-9,500	225	0.5		2,080,490	2.1
9,501-10,000	166	0.4		1,617,765	1.6
10,001+	1,203	2.8		17,455,959	17.4

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

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

SUPPLEMENTAL TABLE 1D  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 75 TO 84<sup>a, b</sup>  
 MASSACHUSETTS, 2005

Total Number of Dual Eligible Beneficiaries, Age 75-84: 37,933  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 75-84: \$87,130,500  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 75-84: \$2,297

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 75-84	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	4,111	10.8	0	0.0
1-500	6,643	17.5	1,431,201	1.6
501-1,000	4,305	11.3	3,221,455	3.7
1,001-1,500	3,690	9.7	4,588,719	5.3
1,501-2,000	3,244	8.6	5,659,581	6.5
2,001-2,500	2,722	7.2	6,108,673	7.0
2,501-3,000	2,340	6.2	6,426,626	7.4
3,001-3,500	2,017	5.3	6,542,150	7.5
3,501-4,000	1,643	4.3	6,152,969	7.1
4,001-4,500	1,303	3.4	5,526,187	6.3
4,501-5,000	1,154	3.0	5,476,777	6.3
5,001-5,500	915	2.4	4,796,789	5.5
5,501-6,000	711	1.9	4,081,008	4.7
6,001-6,500	574	1.5	3,584,396	4.1
6,501-7,000	488	1.3	3,287,701	3.8
7,001-7,500	375	1.0	2,713,133	3.1
7,501-8,000	333	0.9	2,576,295	3.0
8,001-8,500	259	0.7	2,134,400	2.4
8,501-9,000	217	0.6	1,896,200	2.2
9,001-9,500	163	0.4	1,507,829	1.7
9,501-10,000	135	0.4	1,315,093	1.5
10,001+	591	1.6	8,103,318	9.3

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

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<sup>a, b</sup>  
 MASSACHUSETTS, 2005

Total Number of Dual Eligible Beneficiaries, Age 85+: 32,768  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 85+: \$62,386,023  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 85+: \$1,903

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 85		Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
			+		
\$0	3,128		9.5	0	0.0
1-500	7,706		23.5	1,677,848	2.7
501-1,000	4,430		13.5	3,248,197	5.2
1,001-1,500	3,165		9.7	3,930,763	6.3
1,501-2,000	2,691		8.2	4,686,125	7.5
2,001-2,500	2,229		6.8	4,996,969	8.0
2,501-3,000	1,777		5.4	4,862,350	7.8
3,001-3,500	1,510		4.6	4,893,783	7.8
3,501-4,000	1,283		3.9	4,804,156	7.7
4,001-4,500	1,122		3.4	4,755,629	7.6
4,501-5,000	786		2.4	3,723,383	6.0
5,001-5,500	653		2.0	3,418,406	5.5
5,501-6,000	524		1.6	3,002,045	4.8
6,001-6,500	420		1.3	2,615,231	4.2
6,501-7,000	317		1.0	2,135,382	3.4
7,001-7,500	232		0.7	1,676,207	2.7
7,501-8,000	191		0.6	1,476,793	2.4
8,001-8,500	116		0.4	952,998	1.5
8,501-9,000	104		0.3	908,660	1.5
9,001-9,500	69		0.2	639,926	1.0
9,501-10,000	61		0.2	593,037	1.0
10,001+	254		0.8	3,388,135	5.4

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005.

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

APPENDIX TABLE A.3  
 CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY<sup>a, b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	Number of Beneficiaries						Number of Benefit Months					
	All	Aged	Blind/ Disabled	Adults	Children	Other/ Unknown	All	Aged	Blind/ Disabled	Adults	Children	Other/ Unknown
<b>All</b>	<b>218,954</b>	<b>113,225</b>	<b>104,068</b>	<b>1,656</b>	<b>5</b>	<b>0</b>	<b>2,390,697</b>	<b>1,196,667</b>	<b>1,176,925</b>	<b>17,046</b>	<b>59</b>	<b>0</b>
<b>Age</b>												
5 and younger	6	0	6	0	0	0	57	0	57	0	0	0
6-14	8	0	7	0	1	0	90	0	78	0	12	0
15-20	369	0	362	3	4	0	4,345	0	4,262	36	47	0
21-44	41,413	4	40,372	1,037	0	0	470,255	41	459,356	10,858	0	0
45-64	63,924	0	63,321	603	0	0	719,203	0	713,172	6,031	0	0
65-74	42,526	42,513	0	13	0	0	472,121	472,000	0	121	0	0
75-84	37,937	37,937	0	0	0	0	406,473	406,473	0	0	0	0
85 and older	32,769	32,769	0	0	0	0	318,148	318,148	0	0	0	0
Unknown	2	2	0	0	0	0	5	5	0	0	0	0
<b>Gender</b>												
Female	133,829	81,519	51,364	943	3	0	1,460,344	865,341	584,975	9,993	35	0
Male	85,125	31,706	52,704	713	2	0	930,353	331,326	591,950	7,053	24	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
<b>Race</b>												
White	142,284	77,235	64,278	771	0	0	1,581,044	834,674	738,363	8,007	0	0
African American	11,654	4,930	6,599	124	1	0	131,304	55,143	74,875	1,274	12	0
Other/unknown	65,016	31,060	33,191	761	4	0	678,349	306,850	363,687	7,765	47	0
<b>Use of Nursing Facilities<sup>c</sup></b>												
Entire year	29,169	27,226	1,943	0	0	0	291,741	270,003	21,738	0	0	0
Part year	16,236	13,813	2,416	7	0	0	156,985	130,115	26,793	77	0	0
None	173,549	72,186	99,709	1,649	5	0	1,941,971	796,549	1,128,394	16,969	59	0
<b>Maintenance Assistance Status</b>												
Cash	91,140	50,875	40,053	212	0	0	1,055,018	583,576	469,405	2,037	0	0
Medically needy	15,337	10,265	5,072	0	0	0	156,939	99,539	57,400	0	0	0
Poverty related	80,265	32,727	47,534	0	4	0	862,370	337,076	525,247	0	47	0
Other/unknown	32,212	19,358	11,409	1,444	1	0	316,370	176,476	124,873	15,009	12	0
<b>Dual Status<sup>d</sup></b>												
Full dual, all year	216,851	111,188	104,002	1,656	5	0	2,367,328	1,174,053	1,176,170	17,046	59	0
Full dual, part year	2,103	2,037	66	0	0	0	23,369	22,614	755	0	0	0
<b>Managed Care (MC) Status</b>												
Fee-for-service (FFS) all year	215,380	112,904	101,276	1,198	2	0	2,349,253	1,192,975	1,144,252	12,003	23	0
FFS part year, with Rx claims	2,531	253	2,020	258	0	0	29,670	2,934	23,819	2,917	0	0
FFS part year, no Rx claims	406	34	297	73	2	0	4,394	350	3,292	728	24	0
MC all year, with Rx claims	38	5	17	16	0	0	429	60	197	172	0	0
MC all year, no Rx claims	599	29	458	111	1	0	6,951	348	5,365	1,226	12	0

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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 2005. 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.

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

APPENDIX TABLE A.4  
 MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS<sup>a</sup>  
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2005

Beneficiary Characteristics	Beneficiaries and Benefit Months in Cell F of					
	Table 1		Included in Cell G of Table 1		Excluded from Cell G of Table 1	
	Number of Beneficiaries	Number of Benefit Months	Number of Beneficiaries	Number of Benefit Months	Number of Beneficiaries	Number of Benefit Months
<b>All</b>	<b>218,954</b>	<b>2,390,697</b>	<b>218,317</b>	<b>2,367,479</b>	<b>0</b>	<b>23,218</b>
Fee-for-service (FFS) all year	215,380	2,349,253	215,380	2,349,253	0	0
FFS part year, with Rx claims	2,531	29,670	2,531	16,438	0	13,232
FFS part year, with no Rx claims	406	4,394	406	1,788	0	2,606
Managed care (MC) all year, with Rx claims	38	429	0	0	0	429
MC all year, with no Rx claims	599	6,951	0	0	0	6,951

Source: Data for this table are from the MAX 2005 file for Massachusetts, released by CMS in 1/2009. This table was produced on 04/23/2009.

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

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

Extract; MC = managed care; Rx = pharmacy benefit.

Dual Eligible Beneficiaries