

STATISTICAL COMPENDIUM: MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 2002 MASSACHUSETTS

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TABLE D.2
 CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY^{a,b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	No. of Benes							No. of Bene Mos										
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown
All	204,813	84,922	117,714	2,164	13	0	2,218,609	870,668	1,328,799	19,032	110	0	2,218,609	870,668	1,328,799	19,032	110	0
Age																		
5 and younger	11	1	10	0	0	0	102	3	99	0	0	0	102	3	99	0	0	0
6-14	15	0	13	0	2	0	171	0	147	0	24	0	171	0	147	0	24	0
15-20	274	0	261	4	9	0	2,875	0	2,759	40	76	0	2,875	0	2,759	40	76	0
21-44	38,997	5	37,883	1,107	2	0	435,722	29	425,702	9,981	10	0	435,722	29	425,702	9,981	10	0
45-64	52,524	21	51,785	718	0	0	587,274	108	581,018	6,148	0	0	587,274	108	581,018	6,148	0	0
65-74	41,206	20,024	20,896	286	0	0	458,785	215,500	240,860	2,425	0	0	458,785	215,500	240,860	2,425	0	0
75-84	38,264	32,657	5,559	48	0	0	405,741	341,396	63,919	426	0	0	405,741	341,396	63,919	426	0	0
85 and older	33,521	32,213	1,307	1	0	0	327,932	313,625	14,295	12	0	0	327,932	313,625	14,295	12	0	0
Unknown	1	1	0	0	0	7		7	0	0	0	0		7	0	0	0	0
Gender																		
Female	127,078	63,501	62,396	1,176	5	0	1,377,542	656,584	710,384	10,528	46	0	1,377,542	656,584	710,384	10,528	46	0
Male	77,735	21,421	55,318	988	8	0	841,067	214,084	618,415	8,504	64	0	841,067	214,084	618,415	8,504	64	0
Unknown	0	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0
Race																		
White	161,999	68,424	92,271	1,294	10	0	1,779,257	714,988	1,052,642	11,544	83	0	1,779,257	714,988	1,052,642	11,544	83	0
African American	11,818	2,800	8,784	233	1	0	131,804	30,836	98,736	2,229	3	0	131,804	30,836	98,736	2,229	3	0
Other/unknown	30,996	13,698	16,659	637	2	0	307,548	124,844	177,421	5,259	24	0	307,548	124,844	177,421	5,259	24	0
Use of Nursing Facilities^c																		
Entire year	31,987	29,005	2,981	1	0	0	321,305	288,755	32,548	2	0	0	321,305	288,755	32,548	2	0	0
Part year	16,518	12,668	3,840	10	0	0	157,107	114,743	42,261	103	0	0	157,107	114,743	42,261	103	0	0
None	156,308	43,249	110,893	2,153	13	0	1,740,197	467,170	1,253,990	18,927	110	0	1,740,197	467,170	1,253,990	18,927	110	0
Maintenance Assistance Status																		
Cash	88,764	28,447	59,988	329	0	0	1,018,262	322,695	692,689	2,878	0	0	1,018,262	322,695	692,689	2,878	0	0
Medically needy	12,410	7,505	4,905	0	0	0	125,953	72,309	53,644	0	0	0	125,953	72,309	53,644	0	0	0
Poverty-related	73,347	29,727	43,608	0	12	0	785,493	304,183	481,212	0	98	0	785,493	304,183	481,212	0	98	0
Other/unknown	30,292	19,243	9,213	1,835	1	0	288,901	171,481	101,254	16,154	12	0	288,901	171,481	101,254	16,154	12	0
Dual Medicare Status^d																		
Full dual, all year	202,050	82,371	117,506	2,160	13	0	2,187,749	842,161	1,326,483	18,995	110	0	2,187,749	842,161	1,326,483	18,995	110	0
Full dual, part year	2,763	2,551	208	4	0	0	30,860	28,507	2,316	37	0	0	30,860	28,507	2,316	37	0	0
Managed Care Status																		
FFS all year	202,675	84,826	115,874	1,965	10	0	2,205,186	870,058	1,317,129	17,903	96	0	2,205,186	870,058	1,317,129	17,903	96	0
FFS part year, with Rx claims	1,748	79	1,522	144	3	0	11,676	524	10,239	899	14	0	11,676	524	10,239	899	14	0
FFS part year, no Rx claims	390	17	318	55	0	0	1,747	86	1,431	230	0	0	1,747	86	1,431	230	0	0

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- 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 2002. The "Full dual, part year" group contains beneficiaries who had such benefits for some, but not all, months of their enrollment. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.

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

TABLE D.3
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC^{a,b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	% with at Least One Rx	Mean No. of Rx	Mean Rx \$	\$ per Rx	Mean \$, All Services	Rx \$ as % of All Services	No. of Benes
All	89.2 %	43.7	\$2,566	\$59	\$16,116	15.9 %	204,813
Age							
5 and younger	90.9	42.0	1,844	44	35,939	5.1	11
6-14	86.7	50.9	7,840	154	27,467	28.5	15
15-20	75.5	20.6	1,833	89	9,957	18.4	274
21-44	87.2	37.7	3,145	83	14,407	21.8	38,997
45-64	89.9	49.6	3,418	69	15,553	22.0	52,524
65-74	88.2	41.9	2,176	52	10,552	20.6	41,206
75-84	90.0	44.6	2,038	46	16,770	12.2	38,264
85 and older	91.2	43.0	1,645	38	25,118	6.6	33,521
Unknown	0.0	0.0	0	0	0	0.0	1
Basis of Eligibility^c							
Aged	89.3	42.1	1,842	44	19,225	9.6	84,922
Disabled	89.5	45.3	3,104	69	14,103	22.0	117,714
Adults	74.8	23.5	1,688	72	3,635	46.4	2,164
Children	84.6	35.2	4,990	142	13,440	37.1	13
Unknown	0.0	0.0	0	0	0	0.0	0
Gender							
Female	91.3	46.8	2,504	54	16,488	15.2	127,078
Male	85.8	38.8	2,668	69	15,507	17.2	77,735
Unknown	0.0	0.0	0	0	0	0.0	0
Race							
White	89.8	44.9	2,629	59	16,656	15.8	161,999
African American	87.4	38.1	2,336	61	10,482	22.3	11,818
Other/unknown	87.3	39.6	2,328	59	15,443	15.1	30,996
Use of Nursing Facilities^d							
Entire year	95.0	56.7	2,423	43	39,564	6.1	31,987
Part year	93.5	49.8	2,296	46	25,166	9.1	16,518
None	87.6	40.4	2,624	65	10,361	25.3	156,308
Maintenance Assistance Status							
Cash	89.8	41.9	2,488	59	10,511	23.7	88,764
Medically needy	84.0	38.4	2,009	52	15,739	12.8	12,410
Poverty related	89.0	45.7	2,780	61	20,153	13.8	73,347
Other/unknown	90.3	46.5	2,505	54	22,919	10.9	30,292

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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

TABLE D.4
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC^{a,b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	Mean No. of Rx	Mean Rx \$	Rx \$ as % of All Services	No. of Rx, % with:					Mean \$, All Services	Benes	Bene Mos	
				None	More than 0, but 1 or Less	More than 1, but 2 or Less	More than 2, but 5 or Less	More than 5, but 10 or Less				More than 10
All	4.0	\$237	15.9 %	10.8 %	18.4 %	12.6 %	31.0 %	22.0 %	5.3 %	\$1,488	204,813	2,218,609
Age												
5 and younger	4.5	199	5.1	9.1	9.1	9.1	45.5	18.2	9.1	3,876	11	102
6-14	4.5	688	28.5	13.3	6.7	6.7	53.3	6.7	13.3	2,409	15	171
15-20	2.0	175	18.4	24.5	38.0	10.9	17.5	8.0	1.1	949	274	2,875
21-44	3.4	281	21.8	12.8	26.3	13.5	27.6	15.8	4.0	1,289	38,997	435,722
45-64	4.4	306	22.0	10.1	16.7	11.9	31.1	23.7	6.6	1,391	52,524	587,274
65-74	3.8	196	20.6	11.8	20.3	13.4	29.9	19.8	4.8	948	41,206	458,785
75-84	4.2	192	12.2	10.0	15.6	12.3	32.3	24.0	5.7	1,582	38,264	405,741
85 and older	4.4	168	6.6	8.8	12.4	12.2	34.7	26.9	5.0	2,568	33,521	327,932
Unknown	0.0	0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0	1	7
Basis of Eligibility^c												
Aged	4.1	180	9.6	10.7	16.0	12.5	31.9	23.6	5.3	1,875	84,922	870,668
Disabled	4.0	275	22.0	10.5	19.9	12.7	30.5	20.9	5.4	1,249	117,714	1,328,799
Adults	2.7	192	46.4	25.2	24.5	13.8	23.1	11.5	1.8	413	2,164	19,032
Children	4.2	590	37.1	15.4	30.8	7.7	23.1	15.4	7.7	1,588	13	110
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Gender												
Female	4.3	231	15.2	8.7	16.3	12.7	32.4	24.0	5.9	1,521	127,078	1,377,542
Male	3.6	247	17.2	14.2	21.7	12.6	28.6	18.6	4.4	1,433	77,735	841,067
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Race												
White	4.1	239	15.8	10.2	18.1	12.5	31.2	22.5	5.5	1,517	161,999	1,779,257
African American	3.4	209	22.3	12.6	23.5	14.2	29.5	16.8	3.4	940	11,818	131,804
Other/unknown	4.0	235	15.1	12.7	17.7	12.7	30.5	21.2	5.1	1,557	30,996	307,548
use of nursing Facilities^d												
Entire year	5.6	241	6.1	5.0	7.3	9.3	32.8	35.2	10.4	3,939	31,987	321,305
Part year	5.2	241	9.1	6.5	9.7	10.4	34.3	31.0	8.1	2,646	16,518	157,107
None	3.6	236	25.3	12.4	21.6	13.5	30.3	18.3	4.0	931	156,308	1,740,197
Maintenance Assistance Status												
Cash	3.7	217	23.7	10.2	22.1	13.9	30.8	18.9	4.1	916	88,764	1,018,262
Medically needy	3.8	198	12.8	16.0	18.0	11.7	29.2	20.4	4.7	1,551	12,410	125,953
Poverty related	4.3	260	13.8	11.0	16.7	12.0	31.0	23.4	6.0	1,882	73,347	785,493
Other/unknown	4.9	263	10.9	9.7	11.6	10.8	32.3	28.2	7.5	2,403	30,292	288,901

Table D4

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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

TABLE D.5
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	All Rx			Patented Brand-Name Drugs			Off-Patent Brand-Name Drugs			Generic Drugs		
	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx
All	4.0	\$237	\$59	1.9	\$190	\$102	0.1	\$3	\$43	1.9	\$36	\$19
Age												
5 and younger	4.5	199	44	1.8	170	95	1.0	6	7	1.8	22	12
6-14	4.5	688	154	2.9	645	226	0.1	11	111	1.4	20	14
15-20	2.0	175	89	1.0	144	150	0.1	5	92	0.9	15	17
21-44	3.4	281	83	1.6	230	140	0.1	5	90	1.5	38	25
45-64	4.4	306	69	2.1	249	118	0.1	3	57	2.1	43	21
65-74	3.8	196	52	1.8	156	88	0.1	2	40	1.8	31	17
75-84	4.2	192	46	1.9	152	80	0.1	3	29	2.1	32	16
85 and older	4.4	168	38	1.8	131	71	0.1	3	22	2.3	31	14
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Basis of Eligibility^d												
Aged	4.1	180	44	1.8	142	78	0.1	3	26	2.0	30	15
Disabled	4.0	275	69	1.9	223	117	0.1	4	63	1.9	40	21
Adults	2.7	192	72	1.3	158	122	0.0	2	76	1.2	25	20
Children	4.2	590	142	2.3	482	213	0.2	15	78	1.6	30	18
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Gender												
Female	4.3	231	54	2.0	185	93	0.1	3	37	2.1	36	17
Male	3.6	247	69	1.7	200	119	0.1	4	58	1.7	36	21
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Race												
White	4.1	239	59	1.9	192	102	0.1	3	44	2.0	37	19
African American	3.4	209	61	1.6	170	107	0.0	2	48	1.6	29	18
Other/unknown	4.0	235	59	1.9	191	101	0.1	3	40	1.9	33	18
Use of Nursing Facilities^e												
Entire year	5.6	241	43	2.4	190	78	0.2	4	23	2.8	42	15
Part year	5.2	241	46	2.3	192	83	0.1	4	28	2.6	40	15
None	3.6	236	65	1.7	190	110	0.0	3	62	1.7	35	20
Maintenance Assistance Status												
Cash	3.7	217	59	1.7	174	102	0.0	3	51	1.7	33	19
Medically needy	3.8	198	52	1.7	156	91	0.1	3	35	1.8	33	18
Poverty related	4.3	260	61	2.0	209	107	0.1	4	44	2.1	39	19
Other/unknown	4.9	263	54	2.2	211	94	0.1	5	35	2.3	39	17

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- a. Table D.5 includes the beneficiaries represented by Cell G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. In Massachusetts, 4.3 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 combined. For information about this classification method, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).
- d. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- e. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

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

TABLE D.6

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			Total No. of Rx			Total Rx \$			Users			
	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	As % of Dual Benes	No. of Bene Mos
Anti-infective Agents	0.3	0.2	0.0	0.1	\$35	\$107	\$179	\$115	\$13	379,506	\$40,445,304	102,393	50.0 %	1,152,662		
Biologics	0.2	0.1	0.0	0.1	91	587	99	3,002	952	1,129	662,903	639	0.3	7,301		
Antineoplastic Agents	0.5	0.3	0.0	0.2	114	213	324	136	89	38,145	8,118,420	6,787	3.3	71,047		
Endocrine/Metabolic Drugs	0.8	0.4	0.0	0.4	31	37	65	21	10	721,570	26,949,104	78,523	38.3	881,449		
Cardiovascular Agents	1.5	0.6	0.0	0.9	52	35	64	38	15	1,945,056	67,518,818	117,226	57.2	1,302,607		
Respiratory Agents	0.7	0.4	0.0	0.2	39	53	69	36	19	545,122	28,752,574	64,318	31.4	728,706		
Gastrointestinal Agents	0.7	0.4	0.0	0.3	51	77	126	123	18	587,914	45,200,297	79,360	38.7	882,929		
Genitourinary Agents	0.5	0.4	0.0	0.1	27	26	69	36	15	134,547	7,885,164	25,640	12.5	289,127		
CNS Drugs	1.4	0.8	0.0	0.6	114	81	121	115	30	1,810,706	146,400,164	115,418	56.4	1,280,347		
Stimulants/Anti-obesity/Anorexia	0.5	0.3	0.0	0.2	49	94	151	66	33	19,516	1,838,590	3,340	1.6	37,607		
Miscellaneous Psychological/Neurological Agents	0.6	0.6	0.0	0.0	76	117	120	15	18	52,253	6,115,208	7,721	3.8	80,555		
Analgesics and Anesthetics	0.7	0.3	0.0	0.4	42	62	132	59	16	718,101	44,606,972	95,953	46.8	1,072,871		
Neuromuscular Agents	1.0	0.5	0.0	0.5	63	61	105	46	17	746,333	45,500,963	64,196	31.3	724,899		
Nutritional Products	0.5	0.0	0.0	0.5	9	17	13	28	16	140,924	2,337,591	23,984	11.7	258,181		
Hematological Agents	0.8	0.1	0.1	0.5	40	50	213	10	13	277,116	13,988,950	32,226	15.7	349,736		
Topical Products	0.5	0.2	0.0	0.2	18	38	59	45	17	446,917	17,051,049	85,180	41.6	966,400		
Miscellaneous Products	0.4	0.2	0.0	0.2	86	233	358	298	104	24,779	5,779,563	6,030	2.9	66,960		
Unknown Therapeutic Category	0.4	0.0	0.0	0.0	19	45	0	0	0	366,962	16,430,263	76,012	37.1	875,499		
TOTAL NO. OF RX AND RX \$	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8,956,596	525,581,897	n.a.	n.a.	n.a.		

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- a. Table D.6 includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2002. A beneficiary who used drugs from two or more categories was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. For information about these therapeutic categories, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mdmb.asp (May 13 2003).
- d. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. In Massachusetts, 4.3 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.Medi-Span.com/products/product_mdmb.asp (May 13 2003).
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; CNS = Central Nervous System; MAX = Medicaid Analytic Extract; n.a. = not applicable; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.7
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Top 10 Drug Groups	Users				Among Users		
	Total Medicaid Rx \$	No.	As % of Dual Benes	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo
ANTIPSYCHOTICS	\$85,039,378	65,800	32.1 %	738,508	0.8	\$139	\$115
ANTIDEPRESSANTS	52,927,166	117,933	57.6	1,317,705	0.6	62	40
ANTICONVULSANT	40,078,982	62,938	30.7	714,111	0.8	70	56
ULCER DRUGS	38,138,938	76,097	37.2	851,830	0.5	85	45
ANTHYPERLIPIDEMIC	27,891,902	46,850	22.9	538,180	0.6	85	52
ANTIVIRAL	26,611,415	11,287	5.5	130,021	0.5	410	205
ANALGESICS - Narcotic	24,576,461	91,247	44.6	1,020,125	0.4	65	24
ANTIASTHMATIC	18,294,759	74,040	36.2	833,824	0.4	52	22
ANTIDIABETIC	17,976,686	51,954	25.4	586,328	0.6	51	31
ANALGESICS - ANTI-INFLAMMATORY	15,352,174	63,714	31.1	737,781	0.3	61	21
Total	346,887,861	661,860	n.a.	7,468,413	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. 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 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE D.7A
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BOE, AND AGE^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ANTIDEPRESSANTS			
	No. of Rx	Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	4,216,979	\$346,887,861	65,800	32.1 %	738,508	0.8	\$115	117,933	57.6 %	1,317,705	0.6	\$40
Female	2,650,197	199,902,992	38,917	30.6	434,453	0.8	99	78,831	62.0	880,529	0.7	40
Disabled	1,597,572	133,209,403	22,633	36.3	263,954	0.8	114	45,411	72.8	527,971	0.6	43
5 and younger	100	2,746	0	0.0	0	0.0	0	1	14.3	12	1.1	74
6-14	99	9,141	1	14.3	12	0.9	23	1	14.3	12	0.5	13
15-20	1,421	91,520	47	37.6	532	0.5	56	63	50.4	712	0.4	24
21-44	426,575	39,960,498	8,896	52.6	103,865	0.8	116	14,469	85.6	168,013	0.6	43
45-64	771,327	64,799,674	10,231	39.1	119,489	0.8	120	22,221	84.8	258,198	0.7	46
65-74	297,056	21,488,717	2,366	17.3	27,602	0.8	96	6,464	47.2	75,830	0.6	36
75-84	83,949	5,744,267	850	19.5	9,757	0.7	86	1,725	39.6	20,048	0.6	33
85 and older	17,045	1,112,840	242	21.9	2,697	0.7	69	467	42.2	5,146	0.6	34
Other Eligibles	1,052,625	66,693,589	16,284	25.2	170,499	0.7	75	33,420	51.7	352,558	0.7	36
5 and younger	3	626	1	100.0	3	0.7	206	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	35	914	0	0.0	0	0.0	0	1	25.0	12	0.3	25
21-44	10,604	824,566	196	28.7	2,048	0.6	64	552	80.7	5,651	0.5	35
45-64	4,961	400,573	69	22.5	681	0.5	57	210	68.6	2,167	0.5	41
65-74	214,055	15,264,982	2,226	17.2	24,769	0.7	94	5,069	39.1	56,790	0.6	35
75-84	412,212	26,719,167	5,789	24.5	61,348	0.7	82	11,875	50.3	127,162	0.7	36
85 and older	410,755	23,482,761	8,003	29.5	81,650	0.6	65	15,713	58.0	160,776	0.7	36
Male	1,566,782	146,984,869	26,883	34.6	304,055	0.9	139	39,102	50.3	437,176	0.6	41
Disabled	1,243,061	125,655,712	21,730	39.3	252,739	1.0	150	29,633	53.6	341,963	0.6	42
5 and younger	24	1,163	1	33.3	12	0.1	3	1	33.3	1	1.0	80
6-14	55	5,379	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	1,134	95,888	47	34.6	523	0.7	92	43	31.6	468	0.5	27
21-44	457,982	51,945,718	10,687	50.9	124,581	0.9	149	12,375	59.0	143,076	0.6	43
45-64	634,003	62,747,199	9,698	37.9	112,824	1.0	155	14,563	56.9	167,896	0.6	43
65-74	127,640	9,305,000	1,038	14.4	11,911	0.8	115	2,241	31.1	25,882	0.6	35
75-84	19,852	1,383,160	210	17.4	2,367	0.7	96	348	28.9	3,998	0.6	36
85 and older	2,371	172,205	49	24.5	521	0.7	75	62	31.0	642	0.6	33
Other Eligibles	323,721	21,329,157	5,153	23.0	51,316	0.7	84	9,469	42.2	95,213	0.7	35
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	27	4,038	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	19	625	0	0.0	0	0.0	0	2	22.2	24	0.1	10
21-44	5,819	618,631	99	23.0	1,035	0.6	94	242	56.3	2,523	0.5	38
45-64	6,108	571,472	49	11.3	476	0.6	106	225	52.0	2,172	0.6	38
65-74	103,068	7,291,792	1,354	18.4	14,484	0.8	104	2,358	32.1	25,234	0.6	37
75-84	138,325	8,950,372	2,134	23.5	21,172	0.7	83	3,915	43.0	39,493	0.7	36
85 and older	70,355	3,892,227	1,517	29.7	14,149	0.6	65	2,727	53.4	25,767	0.7	33
Unknown	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. 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 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mdmb.asp (May 13 2003).

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

TABLE D.7B
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS
 SEPARATELY, BY SEX, BOE, AND AGE^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTICONVULSANT					ULCER DRUGS					ANTIHYPERTENSIVE				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	62,938	30.7 %	714,111	0.8	\$56	76,097	37.2 %	851,830	0.5	\$45	46,850	22.9 %	538,180	0.6	\$52
Female	37,505	29.5	425,749	0.8	53	50,992	40.1	571,544	0.5	45	29,814	23.5	343,380	0.6	52
Disabled	25,698	41.2	299,547	0.8	61	25,977	41.6	302,659	0.5	48	16,204	26.0	189,732	0.6	53
5 and younger	4	57.1	48	0.9	23	2	28.6	24	0.8	18	1	14.3	12	0.4	8
6-14	1	14.3	12	0.9	21	2	28.6	24	0.5	84	2	28.6	24	0.7	28
15-20	38	30.4	448	0.8	51	22	17.6	254	0.5	45	2	1.6	24	0.6	37
21-44	9,751	57.7	113,609	0.8	68	5,414	32.0	63,029	0.4	43	1,328	7.9	15,506	0.6	44
45-64	12,163	46.4	141,778	0.8	62	11,730	44.8	136,253	0.5	51	7,441	28.4	86,630	0.6	52
65-74	2,867	20.9	33,531	0.7	38	6,331	46.2	74,470	0.5	46	5,778	42.2	68,142	0.6	55
75-84	720	16.5	8,391	0.7	35	2,009	46.1	23,344	0.5	47	1,477	33.9	17,416	0.6	55
85 and older	154	13.9	1,730	0.6	31	467	42.2	5,261	0.6	49	175	15.8	1,978	0.6	58
Other Eligibles	11,807	18.3	126,202	0.7	35	25,015	38.7	268,885	0.6	42	13,610	21.0	153,648	0.6	52
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	25.0	12	1.2	15	1	25.0	12	0.6	31
21-44	307	44.9	3,105	0.6	48	176	25.7	1,784	0.3	30	35	5.1	363	0.6	40
45-64	95	31.0	957	0.7	47	97	31.7	1,017	0.4	48	47	15.4	459	0.5	43
65-74	2,418	18.6	27,214	0.7	43	4,759	36.7	53,743	0.5	44	4,538	35.0	52,134	0.6	53
75-84	4,702	19.9	50,760	0.7	34	9,425	39.9	103,147	0.6	43	6,333	26.8	71,759	0.6	52
85 and older	4,285	15.8	44,166	0.7	28	10,557	38.9	109,182	0.6	40	2,656	9.8	28,921	0.7	48
Male	25,433	32.7	288,362	0.8	61	25,105	32.3	280,286	0.5	44	17,036	21.9	194,800	0.6	51
Disabled	20,864	37.7	241,546	0.9	65	16,896	30.5	194,547	0.5	46	12,320	22.3	142,742	0.6	52
5 and younger	0	0.0	0	0.0	0	2	66.7	23	0.9	45	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	1	16.7	12	0.8	37	1	16.7	8	0.4	23
15-20	42	30.9	474	0.6	41	20	14.7	216	0.4	40	4	2.9	43	0.2	8
21-44	9,376	44.7	109,096	0.9	70	4,903	23.4	56,931	0.5	43	2,336	11.1	27,220	0.6	44
45-64	9,952	38.9	114,879	0.9	62	8,714	34.1	99,743	0.5	49	7,018	27.4	80,801	0.6	53
65-74	1,255	17.4	14,375	0.8	46	2,689	37.3	31,181	0.5	42	2,596	36.0	30,391	0.6	56
75-84	217	18.0	2,482	0.7	38	492	40.9	5,623	0.5	45	341	28.3	4,004	0.6	53
85 and older	22	11.0	240	0.7	38	75	37.5	818	0.6	57	24	12.0	275	0.6	54
Other Eligibles	4,569	20.4	46,816	0.7	41	8,209	36.6	85,739	0.5	40	4,716	21.0	52,058	0.6	50
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	100.0	12	0.8	187	1	100.0	12	1.3	149
15-20	0	0.0	0	0.0	0	1	11.1	6	0.8	14	1	11.1	6	0.5	37
21-44	142	33.0	1,464	0.6	52	109	25.3	1,163	0.4	36	46	10.7	418	0.5	32
45-64	118	27.3	1,117	0.7	71	103	23.8	1,050	0.5	48	91	21.0	905	0.6	49
65-74	1,408	19.2	15,164	0.8	48	2,410	32.8	26,579	0.5	39	1,963	26.7	22,205	0.6	51
75-84	1,937	21.3	19,826	0.7	39	3,609	39.7	37,975	0.5	41	2,131	23.4	23,515	0.6	50
85 and older	964	18.9	9,245	0.7	30	1,976	38.7	18,954	0.6	41	483	9.5	4,997	0.6	46
Unknown	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 D7B

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- 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 2002. 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 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.7C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS
 SEPARATELY, BY SEX, BOE, AND AGE^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTIVIRAL					ANALGESICS - Narcotic					ANTI-ASTHMATIC				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	11,287	5.5 %	130,021	0.5	\$205	91,247	44.6 %	1,020,125	0.4	\$24	74,040	36.2 %	833,924	0.4	\$22
Female	4,489	3.5	52,177	0.4	132	59,170	46.6	661,138	0.4	21	50,000	39.3	564,696	0.4	22
Disabled	3,390	5.4	39,800	0.4	165	36,852	59.1	430,002	0.4	23	29,272	46.9	340,613	0.4	23
5 and younger	0	0.0	0	0.0	0	1	14.3	12	0.1	0	1	14.3	12	0.1	1
6-14	3	42.9	36	0.2	101	5	71.4	60	0.1	1	2	28.6	24	0.3	3
15-20	2	1.6	24	0.1	1	52	41.6	596	0.4	7	32	25.6	362	0.2	12
21-44	1,527	9.0	17,922	0.5	178	11,043	65.3	129,062	0.4	27	6,601	39.0	76,995	0.3	17
45-64	1,469	5.6	17,231	0.5	180	16,778	64.0	195,616	0.4	26	13,654	52.1	158,846	0.4	24
65-74	312	2.3	3,683	0.2	63	6,638	48.5	77,802	0.3	14	6,704	49.0	78,186	0.5	25
75-84	59	1.4	700	0.2	10	1,939	44.5	22,482	0.3	13	1,903	43.7	22,040	0.5	24
85 and older	18	1.6	204	0.1	20	396	35.8	4,372	0.3	16	375	33.9	4,148	0.4	20
Other Eligibles	1,099	1.7	12,377	0.2	26	22,318	34.5	231,136	0.4	16	20,728	32.0	224,083	0.4	20
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	100.0	3	0.3	3
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	30	0.3	2	1	25.0	12	0.1	1
21-44	58	8.5	596	0.3	96	524	76.6	5,506	0.4	27	222	32.5	2,266	0.3	14
45-64	23	7.5	248	0.4	289	179	58.5	1,834	0.3	8	122	39.9	1,342	0.4	23
65-74	216	1.7	2,500	0.2	38	4,525	34.9	50,816	0.3	14	4,466	34.4	50,488	0.5	25
75-84	367	1.6	4,236	0.1	13	8,018	34.0	85,903	0.3	16	7,755	32.9	84,761	0.4	21
85 and older	435	1.6	4,797	0.1	9	9,069	33.5	87,047	0.4	18	8,161	30.1	85,211	0.4	15
Male	6,798	8.7	77,844	0.6	254	32,077	41.3	358,987	0.4	30	24,040	30.9	269,128	0.5	23
Disabled	6,431	11.6	73,749	0.6	263	25,450	46.0	292,865	0.4	34	16,277	29.4	187,496	0.5	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	1	16.7	12	0.1	1	4	66.7	48	0.9	99
15-20	5	3.7	49	0.2	29	31	22.8	365	0.1	1	30	22.1	331	0.3	13
21-44	3,237	15.4	36,868	0.6	249	9,570	45.6	110,615	0.4	40	4,286	20.4	49,579	0.4	18
45-64	3,023	11.8	34,878	0.6	286	12,581	49.2	144,276	0.4	34	8,230	32.2	94,502	0.5	25
65-74	148	2.1	1,748	0.5	142	2,829	39.3	32,638	0.3	17	3,080	42.7	35,678	0.5	28
75-84	18	1.5	206	0.2	71	381	31.6	4,342	0.3	17	575	47.8	6,587	0.5	24
85 and older	0	0.0	0	0.0	0	57	28.5	617	0.3	13	72	36.0	771	0.4	19
Other Eligibles	367	1.6	4,095	0.2	77	6,627	29.6	66,122	0.3	16	7,763	34.6	81,632	0.5	21
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	100.0	12	0.1	1	0	0.0	0	0.0	0
15-20	1	11.1	6	0.5	8	3	33.3	36	0.1	1	1	11.1	12	0.1	2
21-44	49	11.4	570	0.5	223	308	71.6	3,297	0.4	37	92	21.4	973	0.3	11
45-64	32	7.4	353	0.6	245	220	50.8	2,213	0.5	35	86	19.9	900	0.5	27
65-74	105	1.4	1,201	0.2	60	1,983	27.0	21,420	0.3	16	2,301	31.3	25,255	0.5	24
75-84	110	1.2	1,215	0.2	20	2,672	29.4	26,917	0.3	13	3,405	37.4	36,251	0.5	21
85 and older	70	1.4	750	0.1	9	1,440	28.2	12,227	0.3	10	1,878	36.8	18,241	0.4	17
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Table D7C

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. 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 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE D.7D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY, BY SEX, BOE, AND AGE^{a, b, c}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTI-DIABETIC				ANALGESICS - ANTI-INFLAMMATORY				Mean Rx \$	No. of Benes	No. of Benes Mos	
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx				
All	51,954	25.4 %	586,328	0.6	\$31	63,714	31.1 %	737,781	0.3	\$21	204,813	2,218,609
Female	33,701	26.5	381,309	0.6	30	43,040	33.9	499,002	0.4	23	127,078	1,377,542
Disabled	17,356	27.8	202,042	0.6	34	27,468	44.0	323,081	0.3	21	62,396	710,384
5 and younger	1	14.3	12	1.1	8	1	14.3	12	0.6	12	7	75
6-14	1	14.3	12	1.9	167	2	28.6	24	0.1	2	7	84
15-20	1	0.8	3	0.7	14	25	20.0	288	0.3	4	125	1,350
21-44	1,710	10.1	19,840	0.6	36	6,767	40.0	79,441	0.3	11	16,907	191,354
45-64	7,755	29.6	89,950	0.6	35	12,222	46.7	143,310	0.3	23	26,199	296,370
65-74	6,031	44.1	70,709	0.6	34	6,558	47.9	77,714	0.4	26	13,689	158,653
75-84	1,579	36.3	18,343	0.6	30	1,650	37.9	19,474	0.4	28	4,355	50,332
85 and older	278	25.1	3,173	0.6	22	243	22.0	2,818	0.5	34	1,107	12,166
Other Eligibles	16,345	25.3	179,267	0.6	25	15,572	24.1	175,921	0.4	27	64,682	667,158
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	3
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	12
15-20	0	0.0	0	0.0	0	2	50.0	21	0.1	0	4	40
21-44	34	5.0	343	0.9	48	248	36.3	2,714	0.3	10	684	6,106
45-64	71	23.2	714	0.5	30	137	44.8	1,476	0.3	15	306	2,718
65-74	4,331	33.4	49,215	0.6	30	4,247	32.7	49,288	0.3	23	12,970	140,945
75-84	7,207	30.5	79,755	0.6	26	6,165	26.1	70,543	0.4	27	23,605	249,710
85 and older	4,702	17.3	49,240	0.6	20	4,773	17.6	51,879	0.5	32	27,111	267,624
Male	18,253	23.5	205,019	0.6	32	20,674	26.6	238,779	0.3	16	77,734	841,060
Disabled	12,426	22.5	143,200	0.6	35	16,188	29.3	188,526	0.3	14	55,318	618,415
5 and younger	1	33.3	1	1.0	13	0	0.0	0	0.0	0	3	24
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	6	63
15-20	2	1.5	24	0.1	14	16	11.8	187	0.1	2	136	1,409
21-44	2,112	10.1	24,563	0.6	35	5,455	26.0	63,485	0.2	9	20,976	234,348
45-64	7,127	27.9	81,680	0.6	36	8,036	31.4	93,262	0.3	17	25,586	284,648
65-74	2,756	38.2	32,021	0.6	34	2,324	32.2	27,388	0.3	18	7,207	82,207
75-84	388	32.2	4,466	0.6	31	322	26.7	3,792	0.3	19	1,204	13,587
85 and older	40	20.0	445	0.5	19	35	17.5	412	0.3	24	200	2,129
Other Eligibles	5,827	26.0	61,819	0.6	25	4,486	20.0	50,253	0.3	21	22,416	222,645
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	1	12
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	9	76
21-44	31	7.2	346	0.4	37	139	32.3	1,501	0.3	14	430	3,914
45-64	90	20.8	843	0.6	37	134	30.9	1,369	0.4	33	433	3,538
65-74	2,068	28.2	23,000	0.6	28	1,617	22.0	18,571	0.3	18	7,340	76,980
75-84	2,550	28.0	27,086	0.6	25	1,876	20.6	21,199	0.3	21	9,100	92,112
85 and older	1,088	21.3	10,544	0.6	18	720	14.1	7,613	0.4	26	5,103	46,013
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	7

Table D7D

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. 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 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE D.8
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BENEFICIARY CHARACTERISTIC^{a, b}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	Rx \$ per Bene Mo	No. of Rx per Bene Mo	Bene Mos among All-Year NF Residents	All-Year NF Residents
All	\$241	5.6	31,987	321,305
Age				
0-64	425	6.9	1,752	19,609
65-74	351	7.0	3,182	33,612
75-84	262	6.1	9,764	98,317
85 and older	186	5.0	17,289	169,767
Unknown	0	0.0	0	0
Gender				
Female	229	5.5	24,723	250,419
Male	286	6.0	7,264	70,886
Unknown	0	0.0	0	0
Race				
White	246	5.7	24,249	246,714
African American	299	6.1	510	5,391
Other/unknown	221	5.5	7,228	69,200
Basis of Eligibility^c				
Aged	225	5.5	29,005	288,755
Disabled	382	6.8	2,981	32,548
Adults	1,092	9.5	1	2
Children	0	0.0	0	0
Unknown	0	0.0	0	0

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

a. Table D.8 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their 2002 Medicaid enrollment. A total of 16,518 beneficiaries who were in nursing facilities for part of their enrollment and their 157,107 benefit months were excluded from the analysis. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

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

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

TABLE D.9
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d, e}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			Total # of Rx			Total Rx \$			Users				
	Total	Patented	Off-Patent	Total	Patented	Off-Patent	Total	Patented	Off-Patent	Generic	Total	Patented	Off-Patent	Generic	No. of Bene Mos	As % of Dual All-Year NF Residents	
		Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name	Brand-Name		
Anti-infective Agents	0.3	0.2	0.0	0.1	\$16	\$14	\$0	\$2	\$47	\$74	\$73	\$11	71,908	\$3,400,804	20,335	63.6 %	214,359
Biologicals	0.1	0.0	0.0	0.1	2	1	0	2	25	87	0	21	185	4,678	172	0.5	1,878
Antineoplastic Agents	0.6	0.2	0.0	0.3	85	45	5	35	151	195	145	117	10,594	1,597,104	1,961	6.1	18,844
Endocrine/Metabolic Drugs	1.0	0.4	0.0	0.6	24	19	0	5	24	49	16	8	135,162	3,229,038	12,925	40.4	134,537
Cardiovascular Agents	1.8	0.5	0.0	1.3	37	22	1	14	21	44	24	11	387,948	8,031,410	21,248	66.4	218,055
Respiratory Agents	0.8	0.4	0.0	0.3	30	24	0	6	39	58	29	18	73,148	2,884,030	9,113	28.5	96,127
Gastrointestinal Agents	0.9	0.4	0.0	0.5	45	36	0	8	51	98	55	16	138,250	7,055,380	15,265	47.7	158,116
Genitourinary Agents	0.6	0.4	0.0	0.1	29	26	1	2	51	59	32	21	34,634	1,758,693	5,688	17.8	60,687
CNS Drugs	1.5	1.0	0.0	0.5	108	97	0	10	70	97	54	19	369,158	26,015,509	23,299	72.8	241,642
Stimulants/Anti-obesity/Anorexia	0.6	0.2	0.0	0.4	29	22	0	6	49	121	47	15	2,619	129,112	449	1.4	4,530
Miscellaneous Psychological/Neurological Agents	0.7	0.7	0.0	0.0	79	79	0	0	106	106	0	13	24,890	2,629,898	3,272	10.2	33,372
Analgesics and Anesthetics	0.7	0.4	0.0	0.3	37	33	1	3	51	87	30	10	88,243	4,472,378	12,342	38.6	121,605
Neuromuscular Agents	1.2	0.6	0.0	0.5	60	46	1	13	51	74	99	24	134,583	6,927,592	10,852	33.9	115,799
Nutritional Products	0.7	0.0	0.0	0.6	11	0	1	9	16	13	30	16	47,719	777,935	7,138	22.3	72,476
Hematological Agents	1.2	0.2	0.3	0.7	33	24	3	6	26	149	9	8	119,566	3,166,866	9,414	29.4	97,292
Topical Products	0.6	0.2	0.0	0.3	18	12	1	5	31	50	49	16	111,136	3,479,440	17,835	55.8	191,895
Miscellaneous Products	0.3	0.1	0.0	0.2	14	7	0	6	55	82	259	40	3,606	200,069	1,366	4.3	14,216
Unknown Therapeutic Category	0.5	0.0	0.0	0.0	14	0	0	0	29	0	0	0	61,607	1,756,695	11,663	36.5	129,553
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.	1,814,956	77,516,631	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- 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 2002. A total of 16,518 beneficiaries who were in nursing facilities for part of their enrollment and their 157,107 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 2002. A beneficiary who used drugs from two or more categories was counted as a user for each category. Therefore, the sum of users across categories may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- d. For information about these therapeutic categories, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).
- e. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. For information about this classification method, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003). In Massachusetts, 4.3 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 = Center for Medicare and Medicaid Services; CNS = Central Nervous System; MAX = Medicaid Analytic Extract; n.a. = not applicable; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,
 BY TOP-10 DRUG GROUP^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Top 10 Drug Groups in Nursing Facilities	Users				Among Users		
	Total Medicaid Rx \$	No. of Users	As % of All-Year NF Residents	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo
ANTIPSYCHOTICS	\$14,694,760	14,587	45.6 %	155,425	0.8	\$122	\$95
ANTIDEPRESSANTS	10,489,577	24,122	75.4	253,784	0.8	52	41
ULCER DRUGS	6,107,329	13,451	42.1	139,648	0.7	61	44
ANTICONVULSANT	5,373,777	10,363	32.4	111,617	0.9	54	48
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	2,629,898	3,272	10.2	33,381	0.7	106	79
ANALGESICS - Narcotic	2,454,051	10,308	32.2	97,980	0.5	52	25
DERMATOLOGICAL	2,104,400	20,645	64.5	227,181	0.3	36	9
ANTIASTHMATIC	2,082,830	11,814	36.9	124,338	0.4	38	17
ANTIDIABETIC	1,905,172	7,920	24.8	82,667	0.8	30	23
ANALGESICS - ANTI-INFLAMMATORY	1,873,620	4,713	14.7	50,710	0.6	61	37
Total	49,715,414	121,195		1,276,731	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. A total of 16,518 beneficiaries who were in nursing facilities for part of their enrollment and their 157,107 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 2002. 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 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE D.10A

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED AND FIRST AND SECOND TOP DRUG GROUPS SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	All Top 10 Drug Groups						ANTIPSYCHOTICS						ANTIDEPRESSANTS					
	No. of Rx	Rx \$	No. of Users	Users as %			Mean Rx \$	Mean No. of Rx	No. of Bene Mos among Users	NF Residents	All-Year Residents	No. of Users	Users as %			Mean Rx \$	Mean No. of Rx	No. of Bene Mos among Users
				45.6 %	44.2	62.3							63.0	72.9	70.1			
All	800,229	\$49,715,414	14,587	45.6 %	155,425	0.8	\$95	0.8	24,122	75.4 %	253,784	0.8	\$41					
Female	602,294	36,642,960	10,936	44.2	117,106	0.8	90	0.8	18,645	75.4	197,331	0.8	41					
Disabled	62,724	4,547,615	1,069	62.3	12,198	0.9	131	0.9	1,375	80.1	15,509	0.8	50					
64 or younger	34,112	2,614,679	522	63.0	6,086	1.0	142	1.0	685	82.7	7,859	0.9	55					
65-74	12,037	860,763	207	72.9	2,364	1.1	146	1.1	248	87.3	2,783	0.8	48					
75-84	9,154	638,866	204	70.1	2,243	0.9	119	0.9	216	74.2	2,401	0.8	45					
85 and older	7,421	433,307	136	43.3	1,505	0.8	79	0.8	226	72.0	2,466	0.8	42					
Other Eligibles	539,570	32,095,345	9,867	42.9	104,908	0.7	85	0.7	17,270	75.1	181,822	0.8	40					
64 or younger	40	1,718	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0					
65-74	59,497	3,993,680	1,027	64.7	11,476	0.9	117	0.9	1,370	86.3	15,011	0.8	45					
75-84	190,717	11,779,278	3,441	50.2	37,113	0.8	94	0.8	5,676	82.8	60,385	0.8	42					
85 and older	289,316	16,320,669	5,399	37.1	56,319	0.7	72	0.7	10,224	70.2	106,426	0.8	39					
Male	197,935	13,072,454	3,651	50.3	38,319	0.8	110	0.8	5,477	75.4	56,453	0.8	43					
Disabled	48,181	3,882,791	821	65.0	9,304	1.0	161	1.0	918	72.6	10,368	0.9	51					
64 or younger	36,904	3,054,280	606	66.1	6,968	1.0	170	1.0	703	76.7	8,059	0.9	50					
65-74	8,045	597,612	145	71.8	1,597	1.0	141	1.0	145	71.8	1,633	0.9	55					
75-84	2,283	165,935	47	51.6	504	0.9	123	0.9	45	49.5	448	0.8	52					
85 and older	949	64,964	23	42.6	235	0.8	110	0.8	25	46.3	228	0.8	42					
Other Eligibles	149,754	9,189,663	2,830	47.2	29,015	0.8	94	0.8	4,559	76.0	46,085	0.8	41					
64 or younger	69	4,193	3	75.0	18	0.9	120	0.9	4	100.0	19	0.9	49					
65-74	37,329	2,573,363	658	59.3	7,308	0.9	124	0.9	952	85.8	10,278	0.8	46					
75-84	65,864	4,067,988	1,209	47.9	12,434	0.8	92	0.8	1,966	77.8	19,890	0.8	42					
85 and older	46,492	2,544,119	960	40.7	9,255	0.7	71	0.7	1,637	69.3	15,898	0.8	37					
Unknown	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 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. A total of 16,518 beneficiaries who were in nursing facilities for part of their enrollment and their 157,107 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 2002. 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 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE D.10B
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ULCER DRUGS						ANTICONVULSANT						MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL					
	Users as %			Users as %			Users as %			Users as %			Users as %			Users as %		
	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx
All	13,451	42.1 %	\$44	10,363	32.4 %	\$48	111,617	0.9	\$48	3,272	10.2 %	\$79	33,381	0.7	\$79			
Female	10,113	40.9	43	7,201	29.1	44	77,889	0.9	44	2,583	10.4	79	26,537	0.7	79			
Disabled	795	46.3	48	1,046	60.9	70	12,088	1.0	70	83	4.8	105	911	0.6	105			
64 or younger	378	45.7	50	677	81.8	77	7,906	1.1	77	30	3.6	161	352	0.6	161			
65-74	138	48.6	47	184	64.8	47	2,091	1.0	47	16	5.6	75	181	0.7	75			
75-84	137	47.1	48	116	39.9	46	1,336	0.9	46	15	5.2	78	164	0.7	78			
85 and older	142	45.2	45	69	22.0	35	755	0.8	35	22	7.0	61	214	0.6	61			
Other Eligibles	9,318	40.5	42	6,155	26.8	39	65,801	0.8	39	2,500	10.9	78	25,626	0.8	78			
64 or younger	2	66.7	173	2	66.7	99	6	2.0	99	0	0.0	0	0	0.0	0			
65-74	738	46.5	47	906	57.1	57	10,166	0.9	57	141	8.9	86	1,402	0.8	86			
75-84	2,927	42.7	44	2,417	35.3	41	26,001	0.9	41	909	13.3	77	9,355	0.8	77			
85 and older	5,651	38.8	41	2,830	19.4	32	29,628	0.8	32	1,450	10.0	78	14,869	0.7	78			
Male	3,338	46.0	47	3,162	43.5	58	33,728	0.9	58	689	9.5	77	6,844	0.7	77			
Disabled	632	50.0	54	966	76.4	81	10,888	1.1	81	35	2.8	90	392	0.6	90			
64 or younger	469	51.1	54	783	85.4	84	8,932	1.1	84	26	2.8	104	288	0.6	104			
65-74	95	47.0	55	136	67.3	74	1,470	1.0	74	5	2.5	67	60	0.6	67			
75-84	49	53.8	48	38	41.8	54	396	0.9	54	3	3.3	27	36	0.3	27			
85 and older	19	35.2	64	9	16.7	21	90	0.7	21	1	1.9	31	8	0.3	31			
Other Eligibles	2,706	45.1	45	2,196	36.6	46	22,840	0.9	46	654	10.9	77	6,452	0.7	77			
64 or younger	2	50.0	44	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0			
65-74	554	50.0	45	628	56.6	59	6,960	0.9	59	87	7.8	77	912	0.7	77			
75-84	1,185	46.9	47	988	39.1	45	10,289	0.8	45	296	11.7	78	2,845	0.7	78			
85 and older	965	40.9	43	580	24.6	33	5,591	0.8	33	271	11.5	75	2,695	0.8	75			
Unknown	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 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. A total of 16,518 beneficiaries who were in nursing facilities for part of their enrollment and their 157,107 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 2002. 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 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE D.10C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANALGESICS - Narcotic					DERMATOLOGICAL					ANTI-ASTHMATIC				
	Users as %					Users as %					Users as %				
	No. of Users	No. of Bene NF Residents	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	No. of Bene NF Residents	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	No. of Bene NF Residents	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	10,308	32.2 %	97,980	0.5	\$25	20,645	64.5 %	227,181	0.3	\$9	11,814	36.9 %	124,338	0.4	\$17
Female	8,177	33.1	78,678	0.5	26	15,646	63.3	173,048	0.3	9	8,776	35.5	93,488	0.4	16
Disabled	631	36.8	6,610	0.5	32	1,408	82.0	16,126	0.3	10	773	45.0	8,600	0.5	20
64 or younger	308	37.2	3,427	0.6	38	749	90.5	8,807	0.3	11	360	43.5	4,144	0.5	21
65-74	102	35.9	996	0.5	25	217	76.4	2,507	0.2	7	154	54.2	1,724	0.6	25
75-84	99	34.0	946	0.5	24	237	81.4	2,580	0.2	8	158	54.3	1,663	0.5	19
85 and older	122	38.9	1,241	0.5	25	205	65.3	2,232	0.2	7	101	32.2	1,069	0.4	11
Other Eligibles	7,546	32.8	72,068	0.5	25	14,238	61.9	156,922	0.3	9	8,003	34.8	84,888	0.4	16
64 or younger	3	100.0	8	0.6	30	3	100.0	7	0.4	10	2	66.7	8	0.4	1
65-74	613	38.6	6,179	0.6	31	1,301	82.0	14,708	0.3	11	770	48.5	8,512	0.5	22
75-84	2,270	33.1	22,425	0.5	28	4,571	66.7	50,731	0.3	9	2,564	37.4	27,390	0.4	18
85 and older	4,660	32.0	43,456	0.5	23	8,363	57.4	91,476	0.2	8	4,667	32.1	48,978	0.4	13
Male	2,131	29.3	19,302	0.5	23	4,999	68.8	54,133	0.3	11	3,038	41.8	30,850	0.5	19
Disabled	336	26.6	3,503	0.5	31	982	77.7	11,182	0.3	12	544	43.0	5,868	0.5	22
64 or younger	241	26.3	2,544	0.5	26	725	79.1	8,287	0.3	12	381	41.5	4,123	0.5	22
65-74	60	29.7	630	0.6	36	171	84.7	1,952	0.3	15	99	49.0	1,101	0.5	23
75-84	21	23.1	209	0.5	74	55	60.4	612	0.2	5	39	42.9	405	0.6	22
85 and older	14	25.9	120	0.5	47	31	57.4	331	0.3	10	25	46.3	239	0.3	11
Other Eligibles	1,795	29.9	15,799	0.5	21	4,017	67.0	42,951	0.3	10	2,494	41.6	24,982	0.5	19
64 or younger	1	25.0	4	1.0	13	3	75.0	11	1.1	26	0	0.0	0	0.0	0
65-74	331	29.8	3,282	0.5	27	842	75.9	9,427	0.3	10	490	44.2	5,168	0.5	22
75-84	760	30.1	6,941	0.5	25	1,762	69.8	18,923	0.3	12	1,061	42.0	10,706	0.5	20
85 and older	703	29.8	5,572	0.4	13	1,410	59.7	14,590	0.3	9	943	39.9	9,108	0.4	15
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- 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 2002. A total of 16,518 beneficiaries who were in nursing facilities for part of their enrollment and their 157,107 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 2002. 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 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).
- Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.10D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTIDIABETIC				ANALGESICS - ANTI-INFLAMMATORY				Mean Rx \$	Mean No. of Rx	No. of Bene Mos among Users	Users as % of All-Year NF Residents	Mean Rx \$	Mean No. of Rx	All-Year NF Residents	Bene Mos among All-Year NF Residents
	Users as % of All-Year NF Residents		Users as % of All-Year NF Residents		Mean Rx \$	Mean No. of Rx	No. of Bene Mos among Users	Users as % of All-Year NF Residents								
	No. of Users	Resident	No. of Users	Resident												
All	7,920	24.8 %	82,667	0.8	\$23	0.8	4,713	14.7 %	50,710	0.6	\$37	31,987	321,305			
Female	5,900	23.9	62,062	0.8	23	0.8	3,846	15.6	41,567	0.6	38	24,723	250,419			
Disabled	561	32.7	6,334	0.8	28	0.8	262	15.3	2,993	0.6	33	1,717	18,776			
64 or younger	237	28.6	2,747	0.8	28	0.8	136	16.4	1,571	0.6	30	828	9,350			
65-74	126	44.4	1,434	0.9	34	0.9	44	15.5	505	0.5	36	284	3,068			
75-84	115	39.5	1,232	0.7	24	0.7	37	12.7	412	0.5	35	291	3,101			
85 and older	83	26.4	921	0.8	25	0.8	45	14.3	505	0.7	40	314	3,257			
Other Eligibles	5,339	23.2	55,728	0.8	23	0.8	3,584	15.6	38,574	0.6	38	23,006	231,643			
64 or younger	1	33.3	4	3.3	73	0.0	0	0.0	0	0.0	0	3	7			
65-74	666	42.0	7,192	0.8	29	0.8	310	19.5	3,502	0.6	41	1,587	16,782			
75-84	2,199	32.1	23,101	0.8	24	0.8	1,160	16.9	12,579	0.6	39	6,856	70,057			
85 and older	2,473	17.0	25,431	0.7	20	0.7	2,114	14.5	22,493	0.6	37	14,560	144,797			
Male	2,020	27.8	20,605	0.8	22	0.8	867	11.9	9,143	0.6	34	7,264	70,886			
Disabled	401	31.7	4,463	0.8	30	0.8	153	12.1	1,732	0.5	33	1,264	13,772			
64 or younger	274	29.9	3,078	0.9	33	0.9	114	12.4	1,304	0.5	34	917	10,233			
65-74	85	42.1	960	0.8	26	0.8	30	14.9	328	0.5	29	202	2,190			
75-84	33	36.3	335	0.8	21	0.8	3	3.3	30	0.4	22	91	852			
85 and older	9	16.7	90	0.7	18	0.7	6	11.1	70	0.7	32	54	497			
Other Eligibles	1,619	27.0	16,142	0.7	20	0.7	714	11.9	7,411	0.6	35	6,000	57,114			
64 or younger	1	25.0	5	1.2	31	0.0	0	0.0	0	0.0	0	4	19			
65-74	386	34.8	4,150	0.8	25	0.8	139	12.5	1,527	0.5	34	1,109	11,572			
75-84	703	27.8	6,966	0.8	19	0.8	308	12.2	3,221	0.6	35	2,526	24,307			
85 and older	529	22.4	5,021	0.7	18	0.7	267	11.3	2,663	0.6	34	2,361	21,216			
Unknown	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 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. A total of 16,518 beneficiaries who were in nursing facilities for part of their enrollment and their 157,107 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 2002. 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 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE D.11
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
 AMONG DUALS, BY BENEFICIARY CHARACTERISTIC^{a,b}
 MASSACHUSETTS, 2002

Beneficiary Characteristics	No. of Benes with at Least One Part D Excl Rx	% Benes with at Least One Part D Excl Rx		No. of Part D Excl Rx per Bene		Total No. Part D Excl Rx	Total Part D Excl Rx \$	\$ per Part D Excl Rx	Part D Excl Rx as % of All Dual Rx	Total No. of Benes
		27.9 %	1.7	1.7	\$58					
All	57,131	27.9 %	1.7	1.7	\$58	350,104	\$11,956,887	\$34	2.3 %	204,813
Age										
5 and younger	4	36.4	0.7	0.7	196	8	2,155	269	10.6	11
6-14	5	33.3	1.5	1.5	169	22	2,540	115	2.2	15
15-20	34	12.4	0.7	0.7	190	188	52,137	277	10.4	274
21-44	10,507	26.9	1.7	1.7	62	65,712	2,405,150	37	2.0	38,997
45-64	15,642	29.8	2.1	2.1	68	109,513	3,578,672	33	2.0	52,524
65-74	10,279	24.9	1.6	1.6	58	63,913	2,383,668	37	2.7	41,206
75-84	10,412	27.2	1.6	1.6	52	59,988	2,005,446	33	2.6	38,264
85 and older	10,248	30.6	1.5	1.5	46	50,760	1,527,119	30	2.8	33,521
Unknown	0	0.0	0.0	0.0	0	0	0	0	0.0	1
Basis of Eligibility^c										
Aged	23,335	27.5	1.5	1.5	49	125,660	4,170,564	33	2.7	84,922
Disabled	33,342	28.3	1.9	1.9	65	222,200	7,691,628	35	2.1	117,714
Adults	453	20.9	1.0	1.0	44	2,237	94,580	42	2.6	2,164
Children	1	7.7	0.5	0.5	9	7	115	16	0.2	13
Unknown	0	0.0	0.0	0.0	0	0	0	0	0.0	0
Gender										
Female	38,818	30.5	1.8	1.8	59	233,048	7,524,753	32	2.4	127,078
Male	18,313	23.6	1.5	1.5	57	117,056	4,432,134	38	2.1	77,735
Unknown	0	0.0	0.0	0.0	0	0	0	0	0.0	0
Race										
White	46,496	28.7	1.8	1.8	60	292,998	9,688,077	33	2.3	161,999
African American	2,247	19.0	0.9	0.9	41	11,078	484,501	44	1.8	11,818
Other/unknown	8,388	27.1	1.5	1.5	58	46,028	1,784,309	39	2.5	30,996
Use of Nursing Facilities^d										
Entire year	11,769	36.8	2.2	2.2	67	68,987	2,155,212	31	2.8	31,987
Part year	6,678	40.4	2.2	2.2	84	36,601	1,392,020	38	3.7	16,518
None	38,684	24.7	1.6	1.6	54	244,516	8,409,655	34	2.1	156,308
Maintenance Assistance Status										
Cash	22,568	25.4	1.6	1.6	54	141,071	4,787,204	34	2.2	88,764
Medically needy	3,197	25.8	1.6	1.6	46	19,717	574,969	29	2.3	12,410
Poverty related	21,457	29.3	1.8	1.8	60	133,716	4,412,564	33	2.2	73,347
Other/unknown	9,909	32.7	1.8	1.8	72	55,600	2,182,150	39	2.9	30,292

Table D11

Dual Eligible Beneficiaries

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- 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 2002.
- 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 = Center for Medicare and Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.12
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
 AMONG DUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC^{a,b}
 MASSACHUSETTS, 2002

Beneficiary Characteristics	No. Rx per Bene Mo.	Rx \$ per Bene Mo.	\$ per Rx	Barbiturate \$ per Bene Mo.	Benzodiazapine \$ per Bene Mo.	No. of Bene Mos
All	0.2	\$5	\$34	\$0	\$2	2,218,609
Age						
5 and younger	0.1	21	269	0	0	102
6-14	0.1	15	115	0	0	171
15-20	0.1	18	277	0	0	2,875
21-44	0.2	6	37	0	2	435,722
45-64	0.2	6	33	0	2	587,274
65-74	0.1	5	37	0	1	458,785
75-84	0.1	5	33	0	1	405,741
85 and older	0.2	5	30	0	1	327,932
Unknown	0.0	0	0	0	0	7
Basis of Eligibility^c						
Aged	0.1	5	33	0	1	870,668
Disabled	0.2	6	35	0	2	1,328,799
Adults	0.1	5	42	0	1	19,032
Children	0.1	1	16	0	0	110
Unknown	0.0	0	0	0	0	0
Gender						
Female	0.2	5	32	0	2	1,377,542
Male	0.1	5	38	0	1	841,067
Unknown	0.0	0	0	0	0	0
Race						
White	0.2	5	33	0	2	1,779,257
African American	0.1	4	44	0	1	131,804
Other/unknown	0.1	6	39	0	1	307,548
Use of Nursing Facilities^d						
Entire year	0.2	7	31	0	1	321,305
Part year	0.2	9	38	0	2	157,107
None	0.1	5	34	0	2	1,740,197
Maintenance Assistance Status						
Cash	0.1	5	34	0	2	1,018,262
Medically needy	0.2	5	29	0	1	125,953
Poverty related	0.2	6	33	0	2	785,493
Other/unknown	0.2	8	39	0	1	288,901

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- 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 2002.
- 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 = Center for Medicare and Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract, OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.13

USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
FOR SELECTED DRUG CATEGORIES AMONG DUALS^{a,b,c}
MASSACHUSETTS, 2002

Drug Category	No. Users	Rx \$ per User	Total Rx \$	Rx \$ as % of All Part D Excl Rx \$	Total No. Rx.	\$ per Rx	No. Rx as % of All Part D Excl Rx
All	67,041	\$178	\$11,956,887	100.0 %	350,104	\$34	100.0 %
Anorexia or weight loss/gain	5,645	287	1,622,278	13.6	14,177	114	4.0
Fertility drugs	518	1,240	642,212	5.4	914	703	0.3
Drugs for cosmetic purposes	1,995	1,342	2,676,505	22.4	11,626	230	3.3
Cough and cold medications	1,205	452	544,977	4.6	3,780	144	1.1
Vitamins and minerals	281	296	83,155	0.7	399	208	0.1
Non-prescription drugs	19,602	148	2,899,857	24.3	84,601	34	24.2
Barbiturates	97	11	1,067	0.0	118	9	0.0
Benzodiazepines	37,698	92	3,486,836	29.2	234,489	15	67.0
Other Part D Excl Rx Drugs	0	0	0	0.0	0	0	0.0

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2002. 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.

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

SUPPLEMENTAL TABLE 1E
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 85 AND OLDER^{a, b}
 MASSACHUSETTS, 2002

Total Number of Dual Eligible Beneficiaries, Age 85+ 33,521
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 85+ \$55,150,020
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 85+ \$1,645

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 85+	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	2,936	8.8 %	0	0.0 %
1-500	8,252	24.6	1,839,267	3.3
501-1,000	5,069	15.1	3,733,706	6.8
1,001-1,500	3,784	11.3	4,730,807	8.6
1,501-2,000	2,915	8.7	5,072,612	9.2
2,001-2,500	2,455	7.3	5,505,046	10.0
2,501-3,000	1,922	5.7	5,276,963	9.6
3,001-3,500	1,516	4.5	4,910,368	8.9
3,501-4,000	1,219	3.6	4,563,445	8.3
4,001-4,500	916	2.7	3,885,181	7.0
4,501-5,000	711	2.1	3,369,082	6.1
5,001-5,500	467	1.4	2,449,375	4.4
5,501-6,000	363	1.1	2,079,952	3.8
6,001-6,500	262	0.8	1,634,579	3.0
6,501-7,000	197	0.6	1,325,343	2.4
7,001-7,500	145	0.4	1,053,852	1.9
7,501-8,000	104	0.3	806,547	1.5
8,001-8,500	80	0.2	659,792	1.2
8,501-9,000	51	0.2	444,970	0.8
9,001-9,500	26	0.1	239,985	0.4
9,501-10,000	34	0.1	330,441	0.6
10,001+	97	0.3	1,238,707	2.2

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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 2002.

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

APPENDIX TABLE A.3

CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY^{a, b}
DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	No. of Benes				No. of Bene Mos			
	All	Aged	Disabled	Unknown	All	Aged	Disabled	Unknown
All	205,426	84,926	118,233	0	2,236,280	871,219	1,344,096	0
Age								
5 and younger	11	1	10	0	103	3	100	0
6-14	15	0	13	0	173	0	149	0
15-20	279	0	265	0	3,118	0	2,967	0
21-44	39,299	5	38,130	0	443,859	29	432,751	0
45-64	52,803	21	52,032	0	594,346	108	587,541	0
65-74	41,232	20,028	20,916	0	460,981	216,050	242,355	0
75-84	38,265	32,657	5,560	0	405,761	341,397	63,938	0
85 and older	33,521	32,213	1,307	0	327,932	313,625	14,295	0
Unknown	1	1	0	0	7	7	0	0
Gender								
Female	127,349	63,503	62,612	0	1,386,451	656,939	717,891	0
Male	78,077	21,423	55,621	0	849,829	214,280	626,205	0
Unknown	0	0	0	0	0	0	0	0
Race								
White	162,437	68,428	92,657	0	1,791,828	715,390	1,063,709	0
African American	11,909	2,800	8,861	0	134,122	30,870	100,776	0
Other/unknown	31,080	13,698	16,715	0	310,330	124,959	179,611	0
Use of Nursing Facilities^c								
Entire year	31,987	29,005	2,981	0	321,305	288,755	32,548	0
Part year	16,518	12,668	3,840	0	157,198	114,747	42,348	0
None	156,921	43,253	111,412	0	1,757,777	467,717	1,269,200	0
Maintenance Assistance Status								
Cash	89,093	28,447	60,303	0	1,026,730	322,866	700,703	0
Medically needy	12,440	7,507	4,933	0	126,842	72,377	54,465	0
Poverty related	73,492	29,729	43,751	0	791,392	304,488	486,784	0
Other/unknown	30,401	19,243	9,246	0	291,316	171,488	102,144	0
Dual Status^d								
Full dual, all year	202,663	82,375	118,025	0	2,205,387	842,693	1,341,766	0
Full dual, part year	2,763	2,551	208	0	30,893	28,526	2,330	0
Managed Care Status								
FFS all year	202,675	84,826	115,874	0	2,205,186	870,058	1,317,129	0
FFS part year, with Rx claims	1,748	79	1,522	0	20,403	935	17,818	0
FFS part year, no Rx claims	390	17	318	0	4,219	178	3,520	0
MC all year, with Rx claims	96	1	91	0	1,105	12	1,045	0
MC all year, no Rx claims	517	3	428	0	5,367	36	4,584	0

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

- 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 2002. The "Full dual, part year" group contains beneficiaries who had such benefits for some, but not all, months of their enrollment. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.

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

APPENDIX TABLE A.4
 MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS^a
 DUAL ELIGIBLE BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	Bene Mos in Cell F of Table 1		Included in Cell G of Table 1		Excluded from Cell G of Table 1	
	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos
All	205,426	2,236,280	204,813	2,218,609	0	17,671
FFS all year	202,675	2,205,186	202,675	2,205,186	0	0
FFS part year, with Rx claims	1,748	20,403	1,748	11,676	0	8,727
FFS part year, with no Rx claims	390	4,219	390	1,747	0	2,472
MC all year, with Rx claims	96	1,105	0	0	0	1,105
MC all year, with no Rx claims	517	5,367	0	0	0	5,367

Source: Data for this table are from the MAX 2002 file for Massachusetts, released by CMS in 05/2006. This table was produced on 04/19/2007.

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

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