

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

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TABLE ND.2  
 CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY<sup>a,b</sup>  
 NONDUAL 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		
<b>All</b>	<b>665,058</b>	<b>10,454</b>	<b>118,837</b>	<b>186,537</b>	<b>349,230</b>	<b>0</b>	<b>5,826,673</b>	<b>101,169</b>	<b>1,258,720</b>	<b>1,520,119</b>	<b>2,946,665</b>	<b>0</b>		
<b>Age</b>														
5 and younger	126,969	0	3,935	0	123,034	0	978,149	0	38,816	0	939,333	0		
6-14	167,802	0	11,365	0	156,437	0	1,522,196	0	123,772	0	1,398,424	0		
15-20	92,231	0	9,006	13,630	69,595	0	814,845	0	96,420	110,293	608,132	0		
21-44	191,088	4	42,949	147,972	163	0	1,651,915	12	450,539	1,200,597	767	0		
45-64	75,155	5	50,294	24,855	1	0	743,961	35	535,352	208,565	9	0		
65-74	7,137	5,945	1,122	70	0	0	70,771	58,156	12,028	587	0	0		
75-84	3,270	3,165	97	8	0	0	32,214	31,105	1,044	65	0	0		
85 and older	1,405	1,334	69	2	0	0	12,617	11,856	749	12	0	0		
Unknown	1	1	0	0	0	5	0	5	0	0	0	0		
<b>Gender</b>														
Female	382,911	6,710	62,577	140,744	172,880	0	3,366,169	64,859	672,362	1,170,335	1,458,613	0		
Male	282,147	3,744	56,260	45,793	176,350	0	2,460,504	36,310	586,358	349,784	1,488,052	0		
Unknown	0	0	0	0	0	0	0	0	0	0	0	0		
<b>Race</b>														
White	334,871	4,834	94,370	85,222	150,445	0	3,170,119	48,058	1,017,521	733,432	1,371,108	0		
African American	73,783	1,128	10,796	19,700	42,159	0	624,542	11,761	113,215	155,775	343,791	0		
Other/unknown	256,404	4,492	13,671	81,615	156,626	0	2,032,012	41,350	127,984	630,912	1,231,766	0		
<b>Use of Nursing Facilities<sup>c</sup></b>														
Entire year	2,272	889	1,375	1	7	0	23,736	8,586	15,065	12	73	0		
Part year	3,159	506	2,425	150	78	0	32,364	4,461	25,705	1,436	762	0		
None	659,627	9,059	115,037	186,386	349,145	0	5,770,573	88,122	1,217,950	1,518,671	2,945,830	0		
<b>Maintenance Assistance Status</b>														
Cash	168,835	1,311	88,150	26,514	52,860	0	1,659,479	13,934	967,570	217,474	460,501	0		
Medically needy	7,519	3,040	4,479	0	0	0	75,520	30,863	44,657	0	0	0		
Poverty-related	288,404	750	17,675	0	269,979	0	2,430,875	6,975	161,754	0	2,262,146	0		
Other/unknown	200,300	5,353	8,533	160,023	26,391	0	1,660,799	49,397	84,739	1,302,645	224,018	0		
<b>Managed Care Status</b>														
FFS all year	518,229	10,391	110,068	137,087	260,683	0	5,119,204	100,786	1,215,008	1,277,884	2,525,526	0		
FFS part year, with Rx claims	68,990	48	6,394	26,114	36,434	0	437,768	309	36,315	166,741	234,403	0		
FFS part year, no Rx claims	77,839	15	2,375	23,336	52,113	0	269,701	74	7,397	75,494	186,736	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 ND.2 includes the beneficiaries represented by Cell K 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.

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 ND.3  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 NONDUAL 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	61.0 %	9.7	\$582	\$60	\$3,790	15.4 %	665,058
<b>Age</b>							
5 and younger	54.5	2.7	99	36	2,384	4.2	126,969
6-14	52.9	4.1	234	57	1,985	11.8	167,802
15-20	55.5	5.3	335	64	2,971	11.3	92,231
21-44	67.8	12.1	758	63	4,473	16.9	191,088
45-64	79.0	31.4	1,975	63	8,882	22.2	75,155
65-74	67.5	17.7	916	52	5,375	17.0	7,137
75-84	65.4	20.6	977	48	8,110	12.1	3,270
85 and older	66.3	25.1	953	38	16,713	5.7	1,405
Unknown	0.0	0.0	0	0	0	0.0	1
<b>Basis of Eligibility<sup>c</sup></b>							
Aged	65.7	17.7	834	47	6,866	12.2	10,454
Disabled	82.4	31.1	2,187	70	12,134	18.0	118,837
Adults	63.3	7.7	366	48	2,007	18.3	186,537
Children	52.4	3.2	144	45	1,811	7.9	349,230
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Gender</b>							
Female	64.5	10.8	596	55	3,661	16.3	382,911
Male	56.3	8.1	563	70	3,965	14.2	282,147
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Race</b>							
White	69.1	14.2	883	62	5,214	16.9	334,871
African American	54.5	7.1	430	61	3,597	12.0	73,783
Other/unknown	52.3	4.5	233	52	1,986	11.7	256,404
<b>Use of Nursing Facilities<sup>d</sup></b>							
Entire year	90.5	64.1	3,484	54	65,337	5.3	2,272
Part year	93.2	59.3	3,608	61	53,170	6.8	3,159
None	60.8	9.2	558	60	3,341	16.7	659,627
<b>Maintenance Assistance Status</b>							
Cash	73.3	20.2	1,341	66	7,860	17.1	168,835
Medically needy	65.3	16.1	939	59	6,749	13.9	7,519
Poverty related	53.2	4.6	253	55	2,370	10.7	288,404
Other/unknown	61.8	7.8	403	52	2,293	17.6	200,300

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 ND.3 includes beneficiaries represented by Cell K 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 ND.4  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 NONDUAL 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	Less than 5, but 10 or More	More than 10			
All	1.1	\$66	15.4 %	39.0 %	43.4 %	6.6 %	7.4 %	2.9 %	0.7 %	\$433	665,058	5,826,673
<b>Age</b>												
5 and younger	0.4	13	4.2	45.5	50.7	2.7	1.0	0.1	0.0	310	126,969	978,149
6-14	0.5	26	11.8	47.1	45.6	4.0	2.9	0.4	0.0	219	167,802	1,522,196
15-20	0.6	38	11.3	44.5	45.7	5.1	3.8	0.7	0.1	336	92,231	814,845
21-44	1.4	88	16.9	32.2	43.4	9.7	10.4	3.5	0.8	518	191,088	1,651,915
45-64	3.2	200	22.2	21.0	25.4	12.5	23.9	13.6	3.7	897	75,155	743,961
65-74	1.8	92	17.0	32.5	32.2	11.9	15.9	6.4	1.1	542	7,137	70,771
75-84	2.1	99	12.1	34.6	25.4	11.2	17.7	8.7	2.3	823	3,270	32,214
85 and older	2.8	106	5.7	33.7	14.7	10.2	25.1	13.9	2.4	1,861	1,405	12,617
Unknown	0.0	0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0	1	5
<b>Basis of Eligibility<sup>c</sup></b>												
Aged	1.8	86	12.2	34.3	29.4	11.4	16.8	6.8	1.3	709	10,454	101,169
Disabled	2.9	207	18.0	17.6	28.7	13.2	24.4	12.7	3.4	1,146	118,837	1,258,720
Adults	0.9	45	18.3	36.7	46.2	8.7	6.8	1.5	0.2	246	186,537	1,520,119
Children	0.4	17	7.9	47.6	47.3	3.2	1.7	0.2	0.0	215	349,230	2,946,665
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	1.2	68	16.3	35.5	44.9	7.3	8.1	3.4	0.8	417	382,911	3,366,169
Male	0.9	65	14.2	43.7	41.4	5.7	6.5	2.2	0.5	455	282,147	2,460,504
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	1.5	93	16.9	30.9	43.6	8.5	11.1	4.8	1.2	551	334,871	3,170,119
African American	0.8	51	12.0	45.5	41.7	5.2	5.2	1.9	0.5	425	73,783	624,542
Other/unknown	0.6	29	11.7	47.7	43.6	4.5	3.3	0.8	0.1	251	256,404	2,032,012
<b>Use of Nursing Facilities<sup>d</sup></b>												
Entire year	6.1	334	5.3	9.5	6.3	6.6	27.9	34.1	15.5	6,254	2,272	23,736
Part year	5.8	352	6.8	6.8	12.9	10.3	29.2	27.2	13.6	5,190	3,159	32,364
None	1.1	64	16.7	39.2	43.6	6.6	7.3	2.7	0.6	382	659,627	5,770,573
<b>Maintenance Assistance Status</b>												
Cash	2.1	136	17.1	26.7	39.1	9.5	15.1	7.5	2.1	800	168,835	1,659,479
Medically needy	1.6	94	13.9	34.7	33.3	10.6	14.9	5.2	1.2	672	7,519	75,520
Poverty related	0.5	30	10.7	46.8	45.1	3.8	3.2	0.9	0.2	281	288,404	2,430,875
Other/unknown	0.9	49	17.6	38.2	44.9	8.1	6.8	1.7	0.2	277	200,300	1,660,799

Table ND4

Nondual 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 ND.4 includes the beneficiaries represented by Cell K 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 ND.5  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	All Rx		Patented Brand-Name Drugs		Off-Patent Brand-Name Drugs		Generic Drugs	
	No. of Rx	Rx \$	No. of Rx	Rx \$	No. of Rx	Rx \$	No. of Rx	Rx \$
<b>All</b>	<b>1.1</b>	<b>\$66</b>	<b>0.5</b>	<b>\$54</b>	<b>0.0</b>	<b>\$1</b>	<b>0.5</b>	<b>\$10</b>
		\$ per Rx		\$ per Rx		\$ per Rx		\$ per Rx
<b>Age</b>								
5 and younger	0.4	13	0.1	10	0.0	0	0.2	2
6-14	0.5	26	0.2	21	0.0	0	0.2	3
15-20	0.6	38	0.3	30	0.0	1	0.3	6
21-44	1.4	88	0.6	71	0.0	1	0.7	13
45-64	3.2	200	1.5	162	0.0	2	1.5	28
65-74	1.8	92	0.9	75	0.0	1	0.8	13
75-84	2.1	99	1.0	79	0.0	1	1.0	16
85 and older	2.8	106	1.2	82	0.1	2	1.4	19
Unknown	0.0	0	0.0	0	0.0	0	0.0	0
<b>Basis of Eligibility<sup>d</sup></b>								
Aged	1.8	86	0.9	69	0.0	1	0.8	13
Disabled	2.9	207	1.4	168	0.0	2	1.4	29
Adults	0.9	45	0.4	36	0.0	0	0.5	7
Children	0.4	17	0.2	14	0.0	0	0.2	2
Unknown	0.0	0	0.0	0	0.0	0	0.0	0
<b>Gender</b>								
Female	1.2	68	0.6	55	0.0	1	0.6	10
Male	0.9	65	0.4	52	0.0	1	0.4	9
Unknown	0.0	0	0.0	0	0.0	0	0.0	0
<b>Race</b>								
White	1.5	93	0.7	76	0.0	1	0.7	13
African American	0.8	51	0.4	42	0.0	1	0.4	6
Other/unknown	0.6	29	0.3	23	0.0	0	0.3	5
<b>Use of Nursing Facilities<sup>e</sup></b>								
Entire year	6.1	334	2.6	262	0.2	6	3.2	57
Part year	5.8	352	2.5	280	0.1	5	3.0	56
None	1.1	64	0.5	52	0.0	1	0.5	9
<b>Maintenance Assistance</b>								
<b>Status</b>								
Cash	2.1	136	1.0	112	0.0	2	1.0	19
Medically needy	1.6	94	0.8	76	0.0	1	0.7	13
Poverty related	0.5	30	0.3	24	0.0	0	0.3	4
Other/unknown	0.9	49	0.4	38	0.0	1	0.5	8

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 ND.5 includes the beneficiaries represented by Cell K 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](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 ND.6

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			\$ per Rx			Users							
	Total	Patented	Off-Patent	Total	Patented	Off-Patent	Total	Patented	Off-Patent	Generic	Total No. of Rx	Total Rx \$	No.	As % of All Benes	No. of Bene Mos		
																Brand-Name	Brand-Name
Anti-infective Agents	0.2	0.1	0.0	0.1	\$18	\$17	\$0	\$1	\$74	\$148	\$118	\$10	622,600	\$45,960,113	239,836	36.1 %	2,546,800
Biologicals	0.2	0.2	0.0	0.0	158	128	10	20	655	582	1,699	1,273	5,229	3,422,887	2,085	0.3	21,664
Antineoplastic Agents	0.5	0.3	0.0	0.2	176	157	4	14	358	549	218	77	16,433	5,876,285	3,130	0.5	33,474
Endocrine/Metabolic Drugs	0.5	0.2	0.0	0.2	19	15	1	3	40	61	32	15	519,207	20,553,152	102,087	15.4	1,085,318
Cardiovascular Agents	0.9	0.4	0.0	0.5	33	26	0	8	36	65	45	14	694,804	24,780,788	68,583	10.3	746,126
Respiratory Agents	0.4	0.3	0.0	0.2	23	20	0	3	51	69	42	17	631,615	31,961,735	131,333	19.7	1,408,915
Gastrointestinal Agents	0.4	0.3	0.0	0.2	37	33	1	3	85	127	295	18	303,073	25,711,734	63,502	9.5	688,365
Genitourinary Agents	0.2	0.2	0.0	0.0	11	10	0	1	47	56	37	12	71,885	3,349,260	28,812	4.3	310,455
CNS Drugs	1.0	0.6	0.0	0.4	79	67	1	11	78	115	122	27	1,304,943	101,772,463	119,872	18.0	1,294,166
Stimulants/Anti-obesity/Anorexia	0.5	0.4	0.0	0.1	36	32	0	4	69	82	48	30	125,116	8,637,642	22,049	3.3	239,362
Miscellaneous Psychological/Neurological Agents	0.4	0.4	0.0	0.0	66	65	0	1	148	162	32	20	6,345	942,227	1,301	0.2	14,381
Analgesics and Anesthetics	0.4	0.1	0.0	0.3	21	16	0	4	47	139	53	12	715,433	33,330,967	151,149	22.7	1,617,413
Neuromuscular Agents	0.7	0.4	0.0	0.4	45	39	1	5	61	105	47	14	562,790	34,247,625	69,510	10.5	762,727
Nutritional Products	0.2	0.0	0.0	0.2	3	0	0	2	14	20	21	13	99,662	1,402,810	46,476	7.0	477,234
Hematological Agents	0.5	0.1	0.0	0.4	129	86	0	43	237	796	16	105	65,895	15,625,023	11,210	1.7	121,237
Topical Products	0.2	0.1	0.0	0.1	8	6	0	2	34	61	39	15	366,190	12,424,572	147,931	22.2	1,574,508
Miscellaneous Products	0.2	0.1	0.0	0.1	26	21	1	4	142	162	273	77	21,222	3,003,433	10,721	1.6	116,240
Unknown Therapeutic Category	0.3	0.0	0.0	0.0	14	0	0	0	48	0	0	0	291,614	14,106,160	91,203	13.7	1,000,418
<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.	6,424,056	387,108,876	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 ND.6 includes the beneficiaries represented by Cell K 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 category. Therefore, the sum of users across categories may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

c. For information about these therapeutic categories, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

d. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. In Massachusetts, 4.3 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\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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

TABLE ND.7  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Top 10 Drug Groups	Users				Among Users		
	Total Medicaid Rx \$	No. As	% of All Benes	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo
ANTIPSYCHOTICS	\$51,140,756	49,534	7.4 %	555,674	0.7	\$141	\$92
ANTIDEPRESSANTS	43,844,982	127,105	19.1	1,401,125	0.5	65	31
ANTICONVULSANT	31,239,306	59,228	8.9	662,901	0.7	71	47
ANTIVIRAL	28,257,410	14,637	2.2	162,048	0.4	402	174
ULCER DRUGS	20,126,094	58,526	8.8	644,603	0.4	88	31
ANALGESICS - Narcotic	18,516,318	130,525	19.6	1,434,896	0.3	47	13
ANTIASTHMATIC	17,595,404	119,738	18.0	1,306,170	0.3	48	13
MISC. HEMATOLOGICAL	11,482,098	2,055	0.3	22,758	0.4	1,139	505
ANTHYPERLIPIDEMIC	10,527,924	21,750	3.3	243,165	0.5	82	43
ANTIDIABETIC	9,433,926	26,318	4.0	291,684	0.6	57	32
Total	242,164,218	609,416		6,725,024	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 ND.7 includes the beneficiaries represented by Cell K 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](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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

TABLE ND.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<sup>a,b,c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	All Top 10 Drug Groups					ANTIPSYCHOTICS					ANTIDEPRESSANTS				
	No. of Rx	Rx \$	No. of Users	Users as % of All Benes	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	Mean No. of Rx	Mean Rx \$	
<b>All</b>	<b>2,838,715</b>	<b>\$242,164,218</b>	<b>49,534</b>	<b>7.4 %</b>	<b>0.7</b>	<b>\$92</b>	<b>127,105</b>	<b>19.1 %</b>	<b>0.5</b>	<b>\$31</b>	<b>1,401,125</b>	<b>19.1 %</b>	<b>0.5</b>	<b>\$31</b>	
<b>Female</b>	1,782,619	135,798,984	28,703	7.5	0.6	79	88,394	23.1	0.5	31	974,890	23.1	0.5	31	
<b>Disabled</b>	1,167,437	97,424,725	19,712	31.5	0.7	95	45,764	73.1	0.6	36	523,373	73.1	0.6	36	
5 and younger	5,078	303,144	10	0.6	0.5	79	19	1.2	0.4	11	222	1.2	0.4	11	
6-14	23,325	2,003,717	482	12.7	0.6	79	737	19.3	0.5	26	8,492	19.3	0.5	26	
15-20	29,347	2,452,620	771	22.6	0.7	84	1,273	37.3	0.5	31	14,605	37.3	0.5	31	
21-44	422,175	38,045,493	9,303	40.5	0.6	87	19,579	85.3	0.5	35	223,079	85.3	0.5	35	
45-64	675,219	53,726,579	9,014	30.1	0.8	104	23,872	79.6	0.6	38	273,714	79.6	0.6	38	
65-74	11,711	850,881	124	16.9	0.9	111	269	36.6	0.6	33	3,098	36.6	0.6	33	
75-84	405	28,740	6	11.8	0.4	42	9	17.6	0.7	38	91	17.6	0.7	38	
85 and older	177	13,551	2	3.7	0.8	99	6	11.1	0.7	40	72	11.1	0.7	40	
<b>Other Eligibles</b>	615,182	38,374,259	8,991	2.8	0.4	44	42,630	13.3	0.4	25	451,517	13.3	0.4	25	
5 and younger	19,670	888,431	57	0.1	0.2	28	95	0.2	0.3	21	1,058	0.2	0.3	21	
6-14	60,016	3,811,223	1,011	1.3	0.5	67	3,002	3.9	0.4	25	33,328	3.9	0.4	25	
15-20	67,758	4,148,394	1,557	3.5	0.5	54	5,552	12.5	0.4	23	59,061	12.5	0.4	23	
21-44	350,690	21,299,875	5,062	4.4	0.3	34	27,942	24.1	0.4	25	294,603	24.1	0.4	25	
45-64	77,095	5,719,424	704	4.6	0.4	43	4,705	31.0	0.4	30	49,359	31.0	0.4	30	
65-74	17,572	1,211,538	139	3.7	0.6	77	521	13.8	0.4	22	5,811	13.8	0.4	22	
75-84	13,547	833,256	228	11.5	0.6	58	441	22.3	0.6	27	4,602	22.3	0.6	27	
85 and older	8,834	462,118	233	23.6	0.6	53	372	37.7	0.6	26	3,695	37.7	0.6	26	
<b>Male</b>	1,056,096	106,365,234	20,831	7.4	0.7	110	232,997	13.7	0.5	31	426,235	13.7	0.5	31	
<b>Disabled</b>	749,421	82,938,793	15,760	28.0	0.8	119	24,453	43.5	0.5	34	274,751	43.5	0.5	34	
5 and younger	7,675	1,066,724	48	2.1	0.4	63	50	2.1	0.2	6	556	2.1	0.2	6	
6-14	53,421	6,461,594	1,661	22.0	0.7	102	1,908	25.3	0.5	27	22,039	25.3	0.5	27	
15-20	44,068	7,713,108	1,402	25.1	0.7	101	1,616	28.9	0.5	34	18,602	28.9	0.5	34	
21-44	279,792	32,453,710	7,443	37.2	0.8	123	10,170	50.8	0.5	34	112,532	50.8	0.5	34	
45-64	358,639	34,808,402	5,120	25.2	0.8	125	10,571	52.0	0.6	36	119,529	52.0	0.6	36	
65-74	5,496	410,868	79	20.4	0.9	106	128	33.0	0.6	39	1,380	33.0	0.6	39	
75-84	307	22,519	7	15.2	0.8	42	9	19.6	0.5	39	101	19.6	0.5	39	
85 and older	23	1,868	0	0.0	0.0	0	1	6.7	0.3	17	12	6.7	0.3	17	
<b>Other Eligibles</b>	306,675	23,426,441	5,071	2.2	0.6	78	14,258	6.3	0.4	26	151,484	6.3	0.4	26	
5 and younger	30,580	1,590,219	142	0.2	0.4	51	222	0.4	0.3	16	2,377	0.4	0.3	16	
6-14	95,450	6,976,694	2,116	2.7	0.6	85	4,695	6.0	0.5	27	51,948	6.0	0.5	27	
15-20	54,914	4,450,503	1,463	3.8	0.6	84	3,649	9.4	0.4	29	39,425	9.4	0.4	29	
21-44	68,227	5,695,656	842	2.6	0.4	56	3,720	11.6	0.3	23	37,293	11.6	0.3	23	
45-64	38,041	3,336,987	272	2.8	0.5	66	1,461	15.1	0.4	28	15,019	15.1	0.4	28	
65-74	10,055	734,402	95	4.2	0.8	92	240	10.7	0.4	24	2,643	10.7	0.4	24	
75-84	6,917	499,683	81	6.8	0.6	64	167	13.9	0.6	31	1,750	13.9	0.6	31	
85 and older	2,491	142,297	60	17.2	0.6	59	104	29.9	0.7	29	1,029	29.9	0.7	29	
<b>Unknown</b>	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 ND.7A includes the beneficiaries represented by Cell K 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](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 ND.7B  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY,  
 BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTICONVULSANT					ANTIVIRAL					ULCER DRUGS				
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
<b>All</b>	<b>59,228</b>	<b>8.9 %</b>	<b>662,901</b>	<b>0.7</b>	<b>\$47</b>	<b>14,637</b>	<b>2.2 %</b>	<b>162,048</b>	<b>0.4</b>	<b>\$174</b>	<b>58,526</b>	<b>8.8 %</b>	<b>644,603</b>	<b>0.4</b>	<b>\$31</b>
<b>Female</b>	36,722	9.6	411,419	0.6	44	8,799	2.3	97,357	0.4	132	39,396	10.3	436,581	0.3	31
<b>Disabled</b>	24,071	38.5	275,970	0.7	51	4,489	7.2	51,408	0.5	189	20,911	33.4	240,232	0.4	38
5 and younger	180	11.3	2,050	0.6	47	27	1.7	322	0.4	65	269	16.9	2,937	0.4	19
6-14	964	25.3	11,184	0.7	54	154	4.0	1,790	0.6	200	364	9.6	4,209	0.5	34
15-20	1,008	29.5	11,468	0.8	69	108	3.2	1,272	0.3	70	439	12.9	5,042	0.4	29
21-44	10,915	47.6	124,990	0.7	54	2,548	11.1	29,040	0.5	187	6,671	29.1	76,863	0.4	32
45-64	10,872	36.3	124,798	0.7	46	1,645	5.5	18,908	0.5	202	12,875	42.9	147,861	0.4	42
65-74	123	16.8	1,379	0.7	40	7	1.0	76	0.1	8	271	36.9	3,100	0.4	39
75-84	7	13.7	77	0.4	10	0	0.0	0	0.0	0	17	33.3	170	0.6	63
85 and older	2	3.7	24	0.3	24	0	0.0	0	0.0	0	5	9.3	50	0.5	25
<b>Other Eligibles</b>	12,651	3.9	135,449	0.5	30	4,310	1.3	45,949	0.3	68	18,485	5.8	196,349	0.3	22
5 and younger	159	0.3	1,696	0.4	27	131	0.2	1,263	0.2	25	860	1.4	7,950	0.3	12
6-14	1,220	1.6	13,516	0.5	39	363	0.5	4,070	0.3	82	937	1.2	10,250	0.2	14
15-20	1,619	3.6	17,490	0.5	39	607	1.4	6,416	0.2	31	1,741	3.9	18,462	0.2	13
21-44	7,759	6.7	82,592	0.4	27	2,847	2.5	30,239	0.3	65	10,725	9.2	114,384	0.2	21
45-64	1,403	9.2	14,956	0.5	32	309	2.0	3,348	0.4	173	2,545	16.8	27,019	0.3	31
65-74	199	5.3	2,223	0.6	26	29	0.8	334	0.2	74	877	23.3	9,908	0.3	25
75-84	184	9.3	1,932	0.7	30	15	0.8	180	0.1	12	498	25.2	5,357	0.4	32
85 and older	108	10.9	1,044	0.7	24	9	0.9	99	0.1	7	302	30.6	3,019	0.5	33
<b>Male</b>	22,506	8.0	251,482	0.7	52	5,638	2.1	64,691	0.5	238	19,130	6.8	208,022	0.4	32
<b>Disabled</b>	16,577	29.5	187,726	0.8	56	4,501	8.0	50,404	0.6	256	11,790	21.0	132,537	0.4	36
5 and younger	291	12.4	3,265	0.6	43	24	1.0	288	0.4	46	365	15.6	4,022	0.4	21
6-14	1,822	24.1	20,958	0.7	54	148	2.0	1,730	0.6	157	509	6.7	5,966	0.5	39
15-20	1,486	26.6	17,065	0.8	69	87	1.6	1,024	0.4	154	427	7.6	4,928	0.4	30
21-44	7,070	35.3	79,529	0.8	58	2,276	11.4	25,116	0.6	244	3,962	19.8	44,258	0.4	32
45-64	5,841	28.7	66,174	0.8	51	1,958	9.6	22,151	0.6	286	6,379	31.4	71,716	0.5	40
65-74	61	15.7	671	0.8	55	7	1.8	84	0.1	69	137	35.3	1,525	0.4	36
75-84	4	8.7	41	0.5	13	0	0.0	0	0.0	0	9	19.6	98	0.5	57
85 and older	2	13.3	23	0.5	50	1	6.7	11	0.1	1	2	13.3	24	0.1	9
<b>Other Eligibles</b>	5,929	2.6	63,756	0.5	41	1,337	0.6	14,287	0.4	175	7,340	3.2	75,485	0.3	25
5 and younger	283	0.5	3,043	0.4	37	171	0.3	1,784	0.3	40	1,048	1.7	9,628	0.3	14
6-14	2,056	2.6	22,880	0.6	42	259	0.3	2,915	0.4	123	840	1.1	9,294	0.2	20
15-20	1,464	3.8	16,075	0.6	50	160	0.4	1,715	0.3	80	829	2.1	8,792	0.2	15
21-44	1,341	4.2	13,492	0.4	33	492	1.5	5,195	0.4	229	2,618	8.1	26,559	0.3	27
45-64	548	5.7	5,743	0.5	32	224	2.3	2,329	0.5	306	1,263	13.1	13,245	0.3	32
65-74	111	4.9	1,215	0.7	40	20	0.9	225	0.2	91	401	17.9	4,302	0.3	30
75-84	89	7.4	933	0.6	30	8	0.7	88	0.1	21	283	23.6	3,057	0.4	37
85 and older	37	10.6	375	0.6	37	3	0.9	36	0.1	6	58	16.7	608	0.5	35
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Table ND7B

Nondual 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 ND.7B includes the beneficiaries represented by Cell K 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](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 ND.7C  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY,  
 BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANALGESICS - Narcotic					ANTI-ASTHMATIC					MISC. HEMATOLOGICAL				
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
<b>All</b>	<b>130,525</b>	<b>19.6 %</b>	<b>1,434,896</b>	<b>0.3</b>	<b>\$13</b>	<b>119,738</b>	<b>18.0 %</b>	<b>1,306,170</b>	<b>0.3</b>	<b>\$14</b>	<b>2,055</b>	<b>0.3 %</b>	<b>22,758</b>	<b>0.4</b>	<b>\$505</b>
<b>Female</b>	91,333	23.9	1,008,297	0.3	11	71,930	18.8	788,683	0.3	14	1,061	0.3	11,877	0.5	55
<b>Disabled</b>	34,504	55.1	398,079	0.3	20	27,970	44.7	321,753	0.4	19	788	1.3	8,964	0.5	58
5 and younger	90	5.6	1,057	0.1	2	676	42.4	7,813	0.3	14	2	0.1	24	0.8	21
6-14	283	7.4	3,285	0.2	2	1,207	31.7	13,912	0.3	14	0	0.0	0	0.0	0
15-20	701	20.5	8,083	0.2	4	874	25.6	10,143	0.3	15	6	0.2	70	0.4	43
21-44	15,002	65.4	173,043	0.3	19	9,520	41.5	109,511	0.3	15	66	0.3	740	0.5	210
45-64	18,113	60.4	209,049	0.4	21	15,393	51.3	177,000	0.4	22	674	2.2	7,673	0.5	45
65-74	291	39.6	3,314	0.3	14	285	38.8	3,224	0.5	26	35	4.8	405	0.4	34
75-84	13	25.5	136	0.3	6	12	23.5	114	0.4	20	3	5.9	28	0.3	23
85 and older	11	20.4	112	0.3	8	3	5.6	36	0.2	44	2	3.7	24	0.6	56
<b>Other Eligibles</b>	56,829	17.7	610,218	0.2	6	43,960	13.7	466,930	0.2	10	273	0.1	2,913	0.4	44
5 and younger	904	1.5	9,941	0.1	1	8,074	13.4	85,079	0.2	8	2	0.0	20	0.5	50
6-14	2,579	3.3	28,560	0.1	1	10,716	13.8	115,815	0.2	9	3	0.0	34	0.1	240
15-20	6,906	15.5	73,642	0.1	2	5,727	12.9	60,697	0.2	9	4	0.0	47	0.4	22
21-44	40,689	35.1	436,075	0.2	6	15,819	13.6	166,793	0.3	11	50	0.0	541	0.3	47
45-64	4,532	29.8	49,146	0.3	13	2,713	17.9	28,754	0.3	16	58	0.4	592	0.3	39
65-74	596	15.8	6,721	0.2	4	375	9.9	4,185	0.3	17	57	1.5	631	0.3	34
75-84	396	20.1	4,176	0.2	6	336	17.0	3,544	0.4	18	62	3.1	666	0.5	46
85 and older	227	23.0	1,957	0.4	12	200	20.2	2,063	0.4	15	37	3.7	382	0.6	49
<b>Male</b>	39,192	13.9	426,599	0.3	17	47,808	16.9	517,487	0.3	13	994	0.4	10,881	0.4	995
<b>Disabled</b>	20,054	35.6	225,214	0.4	26	14,379	25.6	163,461	0.4	18	718	1.3	8,023	0.5	1,228
5 and younger	130	5.6	1,474	0.1	1	1,100	47.0	12,442	0.3	14	7	0.3	84	0.7	7,299
6-14	557	7.4	6,428	0.1	2	2,335	30.9	26,913	0.3	13	8	0.1	93	0.9	20,377
15-20	833	14.9	9,589	0.2	3	1,133	20.3	13,160	0.3	14	14	0.3	168	0.7	22,033
21-44	8,357	41.8	93,576	0.3	25	3,476	17.4	39,488	0.4	16	75	0.4	844	0.4	2,734
45-64	10,027	49.4	112,494	0.4	30	6,217	30.6	70,120	0.4	23	593	2.9	6,620	0.4	200
65-74	144	37.1	1,588	0.3	15	110	28.4	1,242	0.6	30	20	5.2	202	0.6	61
75-84	6	13.0	65	0.4	36	8	17.4	96	0.5	24	1	2.2	12	0.4	112
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>Other Eligibles</b>	19,138	8.5	201,385	0.2	8	33,429	14.8	354,026	0.2	11	276	0.1	2,858	0.4	341
5 and younger	1,449	2.3	15,719	0.1	1	11,619	18.5	121,489	0.2	9	6	0.0	56	0.3	218
6-14	2,996	3.8	33,077	0.1	2	13,767	17.5	148,604	0.2	11	8	0.0	96	0.3	3,426
15-20	3,889	10.0	41,426	0.1	2	4,224	10.9	44,998	0.2	10	11	0.0	111	0.3	2,888
21-44	7,819	24.3	79,729	0.3	12	2,261	7.0	22,673	0.3	14	45	0.1	445	0.3	509
45-64	2,344	24.2	24,710	0.3	16	961	9.9	9,984	0.3	17	81	0.8	784	0.3	33
65-74	338	15.1	3,643	0.2	5	314	14.0	3,306	0.3	18	60	2.7	661	0.4	41
75-84	234	19.5	2,418	0.2	17	214	17.9	2,308	0.4	19	55	4.6	596	0.5	49
85 and older	69	19.8	663	0.3	11	69	19.8	664	0.4	17	10	2.9	109	0.6	45
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Table ND7C  
 Nondual 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 ND.7C includes the beneficiaries represented by Cell K 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](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 ND.7D  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTIHYPERTENSIVE				ANTIDIABETIC				Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Benes among Users	No. of Benes Mos
	No. of Users	Users as % of All Benes	No. of Benes among Users	Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Benes among Users	No. of Benes Mos					
<b>All</b>	<b>21,750</b>	<b>3.3 %</b>	<b>243,165</b>	<b>0.5</b>	<b>\$43</b>	<b>26,318</b>	<b>4.0 %</b>	<b>291,684</b>	<b>0.6</b>	<b>\$32</b>	<b>665,058</b>	<b>5,826,673</b>	
<b>Female</b>	13,043	3.4	147,107	0.5	43	16,917	4.4	188,724	0.6	32	382,910	3,366,164	
<b>Disabled</b>	9,310	14.9	107,051	0.6	46	11,965	19.1	136,698	0.6	34	62,577	672,362	
5 and younger	5	0.3	57	0.1	2	12	0.8	132	1.0	52	1,595	15,807	
6-14	3	0.1	36	0.2	3	68	1.8	793	0.7	44	3,810	41,546	
15-20	17	0.5	193	0.5	32	88	2.6	977	0.6	32	3,413	36,413	
21-44	1,175	5.1	13,598	0.5	37	2,155	9.4	24,647	0.5	31	22,943	245,928	
45-64	7,861	26.2	90,309	0.6	47	9,304	31.0	106,256	0.6	34	29,977	323,607	
65-74	234	31.9	2,709	0.6	55	324	44.1	3,746	0.6	33	734	7,954	
75-84	12	23.5	113	0.3	40	14	27.5	147	0.5	25	51	534	
85 and older	3	5.6	36	0.8	75	0	0.0	0	0.0	0	54	573	
<b>Other Eligibles</b>	3,733	1.2	40,056	0.4	36	4,952	1.5	52,026	0.5	28	320,333	2,693,802	
5 and younger	15	0.0	153	0.2	13	38	0.1	389	0.7	30	60,268	461,148	
6-14	33	0.0	352	0.3	28	267	0.3	2,598	0.7	43	77,718	694,337	
15-20	59	0.1	639	0.3	19	271	0.6	2,896	0.6	37	44,455	380,199	
21-44	1,296	1.1	13,742	0.4	30	2,031	1.8	21,135	0.5	28	115,970	964,072	
45-64	1,201	7.9	12,577	0.5	39	1,219	8.0	12,749	0.5	29	15,188	128,936	
65-74	739	19.6	8,245	0.5	41	686	18.2	7,577	0.5	23	3,771	37,077	
75-84	330	16.7	3,690	0.5	43	329	16.7	3,573	0.5	20	1,975	19,401	
85 and older	60	6.1	658	0.6	43	111	11.2	1,109	0.6	18	988	8,632	
<b>Male</b>	8,707	3.1	96,058	0.5	43	9,401	3.3	102,960	0.6	33	282,147	2,460,504	
<b>Disabled</b>	5,892	10.5	66,788	0.6	46	6,621	11.8	74,369	0.6	33	56,260	586,358	
5 and younger	10	0.4	115	0.2	6	11	0.5	132	0.4	23	2,340	23,009	
6-14	17	0.2	204	0.2	11	81	1.1	891	0.7	40	7,555	82,226	
15-20	33	0.6	390	0.4	26	100	1.8	1,119	0.7	44	5,593	60,007	
21-44	1,124	5.6	12,792	0.5	38	1,330	6.6	14,956	0.6	31	20,006	204,611	
45-64	4,608	22.7	52,182	0.6	48	4,979	24.5	55,965	0.6	34	20,317	211,745	
65-74	95	24.5	1,048	0.7	53	116	29.9	1,258	0.6	32	388	4,074	
75-84	4	8.7	45	0.7	49	3	6.5	36	0.8	29	46	510	
85 and older	1	6.7	12	0.2	20	1	6.7	12	0.2	4	15	176	
<b>Other Eligibles</b>	2,815	1.2	29,270	0.4	38	2,780	1.2	28,591	0.5	31	225,887	1,874,146	
5 and younger	23	0.0	241	0.3	29	48	0.1	526	0.6	40	62,766	478,185	
6-14	48	0.1	508	0.4	30	212	0.3	2,306	0.7	41	78,719	704,087	
15-20	65	0.2	707	0.3	29	166	0.4	1,728	0.7	41	38,770	338,226	
21-44	885	2.8	8,845	0.4	32	774	2.4	7,546	0.5	32	32,169	237,304	
45-64	1,161	12.0	11,950	0.5	40	1,010	10.4	10,304	0.5	33	9,673	79,673	
65-74	411	18.3	4,573	0.4	42	351	15.6	3,858	0.5	21	2,244	21,666	
75-84	201	16.8	2,225	0.5	44	177	14.8	1,866	0.5	21	1,198	11,769	
85 and older	21	6.0	221	0.5	38	42	12.1	457	0.7	21	348	3,236	
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	5	

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

- a. Table ND.7D includes the beneficiaries represented by Cell K 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](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 ND.8  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	Rx \$ per Bene Mo	No. of Rx per Bene Mo	No. of All-Year NF Residents	Bene Mos among All-Year NF Residents
<b>All</b>	<b>\$334</b>	<b>6.1</b>	<b>2,272</b>	<b>23,736</b>
<b>Age</b>				
0-64	408	6.7	1,313	14,445
65-74	332	6.5	192	1,948
75-84	243	6.0	309	2,997
85 and older	151	4.3	458	4,346
Unknown	0	0.0	0	0
<b>Gender</b>				
Female	318	6.3	1,361	14,046
Male	355	6.0	911	9,690
Unknown	0	0.0	0	0
<b>Race</b>				
White	344	6.3	1,722	18,390
African American	380	5.9	158	1,737
Other/unknown	258	5.5	392	3,609
<b>Basis of Eligibility<sup>c</sup></b>				
Aged	207	5.3	889	8,586
Disabled	406	6.6	1,375	15,065
Adults	701	9.2	1	12
Children	269	5.4	7	73
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 ND.8 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their 2002 Medicaid enrollment. A total of 3,159 beneficiaries who were in nursing facilities for part of their enrollment and their 32,364 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 ND.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>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			Total # of Rx			Total Rx \$			Users					
	Patented			Off-Patent			Generic			Patented			Off-Patent			Generic		
	Total	Brand-Name	Off-Patent	Brand-Name	Off-Patent	Generic	Total	Brand-Name	Off-Patent	Brand-Name	Off-Patent	Generic	Total # of Rx	Total Rx \$	No.	As % of All-Year NF Residents	No. of Bene Mos	
Anti-infective Agents	0.5	0.3	0.0	0.2	\$38	\$33	\$0	\$4	\$80	\$124	\$89	\$20	6,891	\$548,376	1,348	59.3 %	14,538	
Biologicals	0.1	0.0	0.0	0.1	17	15	0	2	163	591	0	20	12	1,951	10	0.4	115	
Antineoplastic Agents	0.6	0.3	0.1	0.3	181	139	13	29	304	484	235	113	723	219,609	117	5.1	1,213	
Endocrine/Metabolic Drugs	1.0	0.4	0.0	0.5	36	29	1	7	36	64	34	13	8,603	308,900	800	35.2	8,481	
Cardiovascular Agents	1.7	0.5	0.0	1.1	40	26	0	13	23	48	19	12	21,475	503,089	1,196	52.6	12,577	
Respiratory Agents	0.9	0.5	0.0	0.5	39	29	0	9	41	63	45	19	7,449	307,842	740	32.6	7,974	
Gastrointestinal Agents	1.1	0.4	0.0	0.6	58	44	3	12	54	106	146	18	13,007	701,171	1,135	50.0	12,129	
Genitourinary Agents	0.6	0.5	0.0	0.2	32	29	1	2	50	62	38	14	2,513	124,963	356	15.7	3,921	
CNS Drugs	1.8	1.0	0.0	0.8	146	127	1	18	81	129	59	23	31,340	2,553,221	1,629	71.7	17,507	
Stimulants/Anti-obesity/Anorexia	0.6	0.2	0.0	0.3	40	33	0	7	68	136	0	20	324	22,163	53	2.3	558	
Miscellaneous Psychological/Neurological Agents	0.7	0.7	0.0	0.0	73	73	0	0	107	107	0	0	887	95,010	134	5.9	1,303	
Analgesics and Anesthetics	0.9	0.4	0.0	0.5	49	42	2	6	56	113	34	12	7,561	424,761	858	37.8	8,741	
Neuromuscular Agents	1.6	0.8	0.0	0.8	95	75	1	18	60	99	61	23	20,808	1,255,314	1,184	52.1	13,245	
Nutritional Products	0.7	0.0	0.0	0.6	13	0	1	12	20	11	33	20	3,015	61,243	446	19.6	4,559	
Hematological Agents	1.1	0.1	0.2	0.7	39	30	2	7	34	212	9	9	7,379	252,895	624	27.5	6,555	
Topical Products	0.6	0.2	0.0	0.3	21	14	2	5	36	62	54	16	8,073	287,391	1,238	54.5	13,582	
Miscellaneous Products	0.3	0.1	0.0	0.2	30	20	0	10	98	215	0	46	414	40,603	125	5.5	1,362	
Unknown Therapeutic Category	0.5	0.0	0.0	0.0	21	0	0	0	40	0	0	0	5,221	206,679	864	38.0	9,804	
<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.	145,695	7,915,181	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 ND.9 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 3,159 beneficiaries who were in nursing facilities for part of their enrollment and their 32,364 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](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](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 ND.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>  
 NONDUAL 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	\$1,729,856	1,207	53.1 %	13,120	0.9	\$148	\$132
ANTICONVULSANT	1,032,365	1,345	59.2	15,125	1.0	66	68
ANTIDEPRESSANTS	724,582	1,535	67.6	16,640	0.8	53	44
ULCER DRUGS	561,784	1,071	47.1	11,483	0.8	65	49
ANALGESICS - Narcotic	309,222	805	35.4	7,841	0.6	64	39
ANTIASTHMATIC	224,759	963	42.4	10,324	0.6	39	22
ANTINEOPLASTICS	219,609	124	5.5	1,261	0.6	304	174
ANTIVIRAL	214,682	95	4.2	975	0.7	325	220
ANTIDIABETIC	184,624	593	26.1	6,352	0.8	37	29
DERMATOLOGICAL	184,459	1,653	72.8	18,500	0.3	37	10
Total	5,385,942	9,391		101,621	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 ND.10 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 3,159 beneficiaries who were in nursing facilities for part of their enrollment and their 32,364 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](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 ND.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<sup>a, b, c, d</sup>  
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	All Top 10 Drug Groups							ANTIPSYCHOTICS				ANTICONVULSANT			
	No. of Rx	Rx \$	No. of Users	Users as %		Mean No. of Rx	Mean Rx \$	No. of Bene Mos among Users	Users as %		Mean No. of Rx	Mean Rx \$	No. of Bene Mos among Users	Users as %	
				NF Residents	All-Year				NF Residents	All-Year					
<b>All</b>	<b>71,330</b>	<b>\$5,385,942</b>	<b>1,207</b>	<b>53.1 %</b>	<b>13,120</b>	<b>0.9</b>	<b>\$132</b>	<b>1,345</b>	<b>59.2 %</b>	<b>15,125</b>	<b>1.0</b>	<b>\$68</b>			
<b>Female</b>	42,080	2,985,712	746	54.8	7,987	0.9	127	734	53.9	8,241	1.0	66			
<b>Disabled</b>	28,654	2,259,502	433	61.9	4,889	1.0	159	545	77.9	6,247	1.1	75			
64 or younger	27,158	2,157,606	403	61.3	4,577	1.0	161	522	79.5	5,992	1.1	75			
65-74	1,385	94,571	27	75.0	291	1.0	130	23	63.9	255	1.2	70			
75-84	103	7,130	3	100.0	21	0.8	75	0	0.0	0	0.0	0			
85 and older	8	195	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
<b>Other Eligibles</b>	13,426	726,210	313	47.4	3,098	0.7	77	189	28.6	1,994	0.9	36			
64 or younger	131	7,909	0	0.0	0	0.0	0	4	100.0	48	1.0	63			
65-74	2,512	170,576	58	71.6	613	0.9	131	48	59.3	523	1.0	46			
75-84	5,284	280,470	118	52.2	1,138	0.7	76	75	33.2	806	0.9	38			
85 and older	5,499	267,255	137	39.1	1,347	0.6	53	62	17.7	617	0.8	24			
<b>Male</b>	29,250	2,400,230	461	50.6	5,133	0.9	140	611	67.1	6,884	1.0	72			
<b>Disabled</b>	23,719	2,043,058	345	51.1	3,852	0.9	155	523	77.5	5,966	1.1	75			
64 or younger	22,844	1,959,893	320	49.4	3,601	0.9	158	507	78.2	5,798	1.1	75			
65-74	779	77,978	23	100.0	234	0.9	111	14	60.9	151	1.1	93			
75-84	96	5,187	2	50.0	17	1.4	47	2	50.0	17	1.0	22			
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
<b>Other Eligibles</b>	5,531	357,172	116	49.2	1,281	0.8	96	88	37.3	918	0.9	50			
64 or younger	130	9,942	4	100.0	48	0.8	48	3	75.0	36	1.0	98			
65-74	1,572	113,972	34	65.4	379	1.0	146	25	48.1	293	0.8	53			
75-84	2,300	147,126	37	48.7	414	0.8	86	39	51.3	388	1.0	43			
85 and older	1,529	86,132	41	39.4	440	0.6	68	21	20.2	201	0.7	51			
<b>Unknown</b>	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 ND.10A includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 3,159 beneficiaries who were in nursing facilities for part of their enrollment and their 32,364 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](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 ND.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<sup>a, b, c, d</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTIDEPRESSANTS						ULCER DRUGS						ANALGESICS - Narcotic					
	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
<b>All</b>	<b>1,535</b>	<b>67.6 %</b>	<b>0.8</b>	<b>1,071</b>	<b>47.1 %</b>	<b>0.8</b>	<b>11,483</b>	<b>0.8</b>	<b>\$44</b>	<b>1,071</b>	<b>47.1 %</b>	<b>0.8</b>	<b>\$49</b>	<b>805</b>	<b>35.4 %</b>	<b>0.6</b>	<b>\$39</b>	
<b>Female</b>	967	71.1	0.8	635	46.7	0.7	6,707	0.7	45	512	37.6	0.6	45	512	37.6	4,953	0.6	
<b>Disabled</b>	520	74.3	0.9	370	52.9	0.8	4,081	0.8	49	284	40.6	0.7	49	284	40.6	2,966	0.7	
64 or younger	482	73.4	0.9	348	53.0	0.8	3,875	0.8	49	264	40.2	0.7	49	264	40.2	2,814	0.7	
65-74	34	94.4	0.7	16	44.4	0.8	165	0.8	49	15	41.7	0.6	49	15	41.7	129	0.6	
75-84	3	100.0	0.8	4	133.3	0.9	27	0.9	84	3	100.0	0.5	84	3	100.0	19	0.5	
85 and older	1	25.0	0.1	2	50.0	0.1	14	0.1	1	2	50.0	0.5	1	2	50.0	4	0.5	
<b>Other Eligibles</b>	447	67.6	0.8	265	40.1	0.7	2,626	0.7	38	228	34.5	0.5	38	228	34.5	1,987	0.5	
64 or younger	0	0.0	0.0	4	100.0	0.9	48	0.9	53	1	25.0	0.2	53	1	25.0	12	0.2	
65-74	60	74.1	0.8	20	24.7	0.7	211	0.7	56	32	39.5	0.5	56	32	39.5	343	0.5	
75-84	164	72.6	0.8	94	41.6	0.7	913	0.7	41	72	31.9	0.5	41	72	31.9	638	0.5	
85 and older	223	63.7	0.7	147	42.0	0.6	1,454	0.6	34	123	35.1	0.5	34	123	35.1	994	0.5	
<b>Male</b>	568	62.3	0.8	436	47.9	0.8	4,776	0.8	55	293	32.2	0.7	55	293	32.2	2,888	0.7	
<b>Disabled</b>	408	60.4	0.8	348	51.6	0.8	3,839	0.8	57	227	33.6	0.7	57	227	33.6	2,313	0.7	
64 or younger	386	59.6	0.8	338	52.2	0.8	3,735	0.8	57	218	33.6	0.7	57	218	33.6	2,222	0.7	
65-74	18	78.3	0.8	9	39.1	0.7	99	0.7	33	8	34.8	0.6	33	8	34.8	86	0.6	
75-84	4	100.0	0.8	1	25.0	0.9	5	0.8	91	1	25.0	0.2	91	1	25.0	5	0.2	
85 and older	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0	0	0.0	0	0.0	
<b>Other Eligibles</b>	160	67.8	0.8	88	37.3	0.7	937	0.7	47	66	28.0	0.5	47	66	28.0	575	0.5	
64 or younger	3	75.0	0.6	3	75.0	0.5	36	0.5	51	2	50.0	0.1	51	2	50.0	24	0.1	
65-74	32	61.5	0.7	22	42.3	0.8	253	0.8	46	8	15.4	0.3	46	8	15.4	79	0.3	
75-84	57	75.0	0.8	38	50.0	0.8	404	0.8	54	29	38.2	0.6	54	29	38.2	252	0.6	
85 and older	68	65.4	0.7	25	24.0	0.6	244	0.6	34	27	26.0	0.4	34	27	26.0	220	0.4	
<b>Unknown</b>	0	0.0	0.0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0	0	0.0	0	0.0	

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

a. Table ND.10B includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 3,159 beneficiaries who were in nursing facilities for part of their enrollment and their 32,364 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](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 ND.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<sup>a, b, c, d</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTI-ASTHMATIC					ANTINEOPLASTICS					ANTIVIRAL				
	Users as %					Users as %					Users as %				
	No. of Users	No. of Bene Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx
<b>All</b>	<b>963</b>	<b>10,324</b>	<b>0.6</b>	<b>\$22</b>	<b>0.6</b>	<b>124</b>	<b>1,261</b>	<b>0.6</b>	<b>\$174</b>	<b>0.6</b>	<b>95</b>	<b>975</b>	<b>0.7</b>	<b>\$220</b>	
<b>Female</b>	576	6,157	0.5	20	0.5	85	876	0.6	163	0.6	33	338	0.5	174	
<b>Disabled</b>	388	4,267	0.6	23	0.6	43	493	0.6	203	0.6	29	293	0.6	199	
64 or younger	361	4,001	0.6	24	0.6	42	481	0.6	204	0.6	29	293	0.6	199	
65-74	24	294	0.4	12	0.4	1	12	0.7	166	0.7	0	0	0.0	0	
75-84	3	12	0.4	35	0.4	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	
<b>Other Eligibles</b>	188	1,890	0.4	13	0.4	42	383	0.6	111	0.6	4	45	0.1	9	
64 or younger	3	36	0.7	53	0.7	0	0	0.0	0	0.0	0	0	0.0	0	
65-74	14	104	0.5	17	0.5	6	62	0.5	40	0.5	1	12	0.1	16	
75-84	76	765	0.5	15	0.5	12	117	0.8	173	0.8	1	12	0.2	14	
85 and older	95	985	0.3	9	0.3	24	204	0.5	97	0.5	2	21	0.1	2	
<b>Male</b>	387	4,167	0.6	24	0.6	39	385	0.5	200	0.5	62	637	0.7	245	
<b>Disabled</b>	307	3,380	0.6	26	0.6	28	267	0.5	258	0.5	58	597	0.8	261	
64 or younger	294	3,282	0.6	27	0.6	22	231	0.6	227	0.6	58	597	0.8	261	
65-74	13	98	0.5	13	0.5	6	36	0.3	456	0.3	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	
85 and older	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	
<b>Other Eligibles</b>	80	787	0.4	16	0.4	11	118	0.5	70	0.5	4	40	0.2	4	
64 or younger	1	12	0.3	4	0.3	0	0	0.0	0	0.0	1	12	0.4	6	
65-74	18	206	0.4	14	0.4	2	24	0.5	36	0.5	0	0	0.0	0	
75-84	33	321	0.5	19	0.5	5	60	0.5	61	0.5	2	16	0.1	3	
85 and older	28	248	0.4	13	0.4	4	34	0.5	109	0.5	1	12	0.1	3	
<b>Unknown</b>	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 ND.10C includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 3,159 beneficiaries who were in nursing facilities for part of their enrollment and their 32,364 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](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 ND.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<sup>a, b, c, d</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	ANTIDIABETIC				DERMATOLOGICAL				Mean Rx \$	Mean No. of Rx	All-Year NF Residents	Bene Mos among All-Year NF Residents
	Users as %		Users as %		Users as %		Users as %					
	No. of Users	%	No. of Users	%	No. of Users	%	No. of Users	%				
<b>All</b>	<b>593</b>	<b>26.1 %</b>	<b>6,352</b>	<b>0.8</b>	<b>\$29</b>	<b>1,653</b>	<b>72.8 %</b>	<b>18,500</b>	<b>0.3</b>	<b>\$10</b>	<b>2,272</b>	<b>23,736</b>
<b>Female</b>	372	27.3	4,009	0.8	29	999	73.4	11,097	0.3	10	1,361	14,046
<b>Disabled</b>	216	30.9	2,379	0.8	33	574	82.0	6,630	0.3	12	700	7,692
64 or younger	198	30.1	2,199	0.8	33	541	82.3	6,286	0.3	12	657	7,259
65-74	14	38.9	146	0.9	36	24	66.7	257	0.4	12	36	385
75-84	4	133.3	34	0.4	10	6	200.0	61	0.3	21	3	21
85 and older	0	0.0	0	0.0	0	3	75.0	26	0.1	5	4	27
<b>Other Eligibles</b>	156	23.6	1,630	0.7	24	425	64.3	4,467	0.3	8	661	6,354
64 or younger	0	0.0	0	0.0	0	6	150.0	72	0.2	6	4	48
65-74	47	58.0	525	0.7	30	46	56.8	488	0.3	6	81	800
75-84	57	25.2	577	0.7	21	166	73.5	1,722	0.3	10	226	2,199
85 and older	52	14.9	528	0.7	21	207	59.1	2,185	0.2	6	350	3,307
<b>Male</b>	221	24.3	2,343	0.8	29	654	71.8	7,403	0.2	10	911	9,690
<b>Disabled</b>	151	22.4	1,604	0.8	31	484	71.7	5,611	0.2	10	675	7,373
64 or younger	142	21.9	1,537	0.8	32	462	71.3	5,382	0.2	10	648	7,101
65-74	8	34.8	55	0.7	15	20	87.0	205	0.2	11	23	231
75-84	1	25.0	12	1.1	28	2	50.0	24	0.1	1	4	41
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
<b>Other Eligibles</b>	70	29.7	739	0.8	24	170	72.0	1,792	0.3	8	236	2,317
64 or younger	0	0.0	0	0.0	0	2	50.0	24	0.4	14	4	37
65-74	30	57.7	356	0.7	21	41	78.8	466	0.2	10	52	532
75-84	24	31.6	228	0.9	33	73	96.1	730	0.3	10	76	736
85 and older	16	15.4	155	0.9	20	54	51.9	572	0.2	4	104	1,012
<b>Unknown</b>	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 ND.10D includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 3,159 beneficiaries who were in nursing facilities for part of their enrollment and their 32,364 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](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 ND.11  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 AMONG NONDUALS, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 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 Nondual Rx \$	Total No. of Benes
		12.0 %	0.5	303,201	\$20		\$12,989,910	\$43			
<b>All</b>	<b>79,653</b>	<b>12.0 %</b>	<b>0.5</b>	<b>303,201</b>	<b>\$20</b>	<b>\$12,989,910</b>	<b>\$43</b>	<b>3.4 %</b>	<b>665,058</b>		
<b>Age</b>											
5 and younger	12,971	10.2	0.2	30,064	9	1,113,239	37	8.8	126,969		
6-14	9,953	5.9	0.1	23,667	10	1,641,713	69	4.2	167,802		
15-20	7,269	7.9	0.2	18,778	13	1,222,418	65	4.0	92,231		
21-44	30,510	16.0	0.6	120,422	21	4,035,908	34	2.8	191,088		
45-64	17,498	23.3	1.4	103,965	61	4,556,394	44	3.1	75,155		
65-74	781	10.9	0.5	3,337	30	216,237	65	3.3	7,137		
75-84	411	12.6	0.5	1,767	48	155,471	88	4.9	3,270		
85 and older	260	18.5	0.9	1,201	35	48,530	40	3.6	1,405		
Unknown	0	0.0	0.0	0	0	0	0	0.0	1		
<b>Basis of Eligibility<sup>c</sup></b>											
Aged	1,191	11.4	0.5	4,746	31	320,735	68	3.7	10,454		
Disabled	29,638	24.9	1.5	174,177	67	7,928,160	46	3.1	118,837		
Adults	24,167	13.0	0.4	73,391	13	2,378,719	32	3.5	186,537		
Children	24,657	7.1	0.1	50,887	7	2,362,296	46	4.7	349,230		
Unknown	0	0.0	0.0	0	0	0	0	0.0	0		
<b>Gender</b>											
Female	52,989	13.8	0.5	204,119	21	8,105,017	40	3.5	382,911		
Male	26,664	9.5	0.4	99,082	17	4,884,893	49	3.1	282,147		
Unknown	0	0.0	0.0	0	0	0	0	0.0	0		
<b>Race</b>											
White	50,484	15.1	0.7	228,317	29	9,592,933	42	3.2	334,871		
African American	6,782	9.2	0.3	19,590	12	859,685	44	2.7	73,783		
Other/unknown	22,387	8.7	0.2	55,294	10	2,537,292	46	4.3	256,404		
<b>Use of Nursing Facilities<sup>d</sup></b>											
Entire year	949	41.8	3.9	8,955	156	354,664	40	4.5	2,272		
Part year	1,454	46.0	3.1	9,795	237	749,767	77	6.6	3,159		
None	77,250	11.7	0.4	284,451	18	11,885,479	42	3.2	659,627		
<b>Maintenance Assistance Status</b>											
Cash	32,693	19.4	1.0	164,363	38	6,475,737	39	2.9	168,835		
Medically needy	1,052	14.0	0.7	5,154	63	470,153	91	6.7	7,519		
Poverty related	21,979	7.6	0.2	58,637	11	3,088,387	53	4.2	288,404		
Other/unknown	23,929	11.9	0.4	75,047	15	2,955,633	39	3.7	200,300		

Table ND11

Nondual 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 ND.11 includes the beneficiaries represented by Cell K of Table 1. Beneficiaries include all nondual 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 ND.12

USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 AMONG NONDUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 MASSACHUSETTS, 2002

Beneficiary Characteristics	No. Rx per Bene Mo.	Rx \$ per Bene Mo.	\$ per Rx	Barbiturate \$ per Bene Mo.	Benzodiazepine \$ per Bene Mo.	No. of Bene Mos
All	0.1	\$2	\$43	\$0	\$0	5,826,673
<b>Age</b>						
5 and younger	0.0	1	37	0	0	978,149
6-14	0.0	1	69	0	0	1,522,196
15-20	0.0	2	65	0	0	814,845
21-44	0.1	2	34	0	1	1,651,915
45-64	0.1	6	44	0	1	743,961
65-74	0.0	3	65	0	0	70,771
75-84	0.1	5	88	0	0	32,214
85 and older	0.1	4	40	0	1	12,617
Unknown	0.0	0	0	0	0	5
<b>Basis of Eligibility<sup>c</sup></b>						
Aged	0.0	3	68	0	0	101,169
Disabled	0.1	6	46	0	1	1,258,720
Adults	0.0	2	32	0	0	1,520,119
Children	0.0	1	46	0	0	2,946,665
Unknown	0.0	0	0	0	0	0
<b>Gender</b>						
Female	0.1	2	40	0	0	3,366,169
Male	0.0	2	49	0	0	2,460,504
Unknown	0.0	0	0	0	0	0
<b>Race</b>						
White	0.1	3	42	0	1	3,170,119
African American	0.0	1	44	0	0	624,542
Other/unknown	0.0	1	46	0	0	2,032,012
<b>Use of Nursing Facilities<sup>d</sup></b>						
Entire year	0.4	15	40	0	3	23,736
Part year	0.3	23	77	0	2	32,364
None	0.0	2	42	0	0	5,770,573
<b>Maintenance Assistance Status</b>						
Cash	0.1	4	39	0	1	1,659,479
Medically needy	0.1	6	91	0	0	75,520
Poverty related	0.0	1	53	0	0	2,430,875
Other/unknown	0.0	2	39	0	0	1,660,799

Table ND12

Nondual 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 ND.12 includes the beneficiaries represented by Cell K of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits. Beneficiaries include all nondual 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 ND.13  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 FOR SELECTED DRUG CATEGORIES AMONG NONDUALS<sup>a,b,c</sup>  
 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
<b>All</b>	<b>87,262</b>	<b>\$149</b>	<b>\$12,989,910</b>	<b>100.0 %</b>	<b>303,201</b>	<b>\$43</b>	<b>100.0 %</b>
Anorexia or weight loss/gain	3,780	359	1,358,285	10.5	8,821	154	2.9
Fertility drugs	921	798	734,597	5.7	1,775	414	0.6
Drugs for cosmetic purposes	1,248	2,141	2,672,250	20.6	6,422	416	2.1
Cough and cold medications	9,305	214	1,994,283	15.4	21,697	92	7.2
Vitamins and minerals	31	13,863	429,766	3.3	174	2,470	0.1
Non-prescription drugs	40,239	89	3,580,396	27.6	96,824	37	31.9
Barbiturates	375	9	3,559	0.0	417	9	0.1
Benzodiazepines	31,363	71	2,216,774	17.1	167,071	13	55.1
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 ND.13 includes the beneficiaries represented by Cell K of Table 1. Beneficiaries include all nondual 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 ND11.

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.

APPENDIX TABLE A.1

CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY<sup>a, b</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002

Beneficiary Characteristics	No. of Benes					No. of Bene Mos						
	All	Aged	Disabled	Adults	Children	Unknown	All	Aged	Disabled	Adults	Children	Unknown
<b>All</b>	<b>846,354</b>	<b>10,455</b>	<b>132,643</b>	<b>241,079</b>	<b>462,177</b>	<b>0</b>	<b>8,516,600</b>	<b>101,414</b>	<b>1,469,176</b>	<b>2,342,723</b>	<b>4,603,287</b>	<b>0</b>
<b>Age</b>												
5 and younger	170,449	0	4,457	0	165,992	0	1,619,618	0	46,840	0	1,572,778	0
6-14	219,884	0	12,814	0	207,070	0	2,291,965	0	145,340	0	2,146,625	0
15-20	116,130	0	9,753	17,508	88,869	0	1,160,033	0	107,726	169,689	882,618	0
21-44	240,658	4	48,364	192,045	245	0	2,405,047	12	534,803	1,868,975	1,257	0
45-64	87,406	5	55,955	31,445	1	0	923,676	35	620,292	303,340	9	0
65-74	7,151	5,946	1,134	71	0	0	71,409	58,401	12,382	626	0	0
75-84	3,270	3,165	97	8	0	0	32,230	31,105	1,044	81	0	0
85 and older	1,405	1,334	69	2	0	0	12,617	11,856	749	12	0	0
Unknown	1	1	0	0	0	5	0	0	0	0	0	0
<b>Gender</b>												
Female	490,245	6,710	70,203	184,063	229,269	0	4,969,649	65,064	788,895	1,827,526	2,288,164	0
Male	356,109	3,745	62,440	57,016	232,908	0	3,546,951	36,350	680,281	515,197	2,315,123	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
<b>Race</b>												
White	398,930	4,835	104,265	105,013	184,817	0	4,133,721	48,180	1,169,875	1,035,943	1,879,723	0
African American	106,776	1,128	13,072	29,252	63,324	0	1,097,524	11,786	146,173	290,725	648,840	0
Other/unknown	340,648	4,492	15,306	106,814	214,036	0	3,285,355	41,448	153,128	1,016,055	2,074,724	0
<b>Use of Nursing Facilities<sup>c</sup></b>												
Entire year	2,272	889	1,375	1	7	0	23,745	8,586	15,074	12	73	0
Part year	3,182	506	2,447	150	79	0	33,536	4,461	26,680	1,544	851	0
None	840,900	9,060	128,821	240,928	462,091	0	8,459,319	88,367	1,427,422	2,341,167	4,602,363	0
<b>Maintenance Assistance Status</b>												
Cash	211,914	1,311	98,781	35,315	76,507	0	2,337,434	13,977	1,128,310	363,883	831,264	0
Medically needy	7,881	3,040	4,841	0	0	0	80,608	31,012	49,596	0	0	0
Poverty related	371,670	750	20,106	0	350,814	0	3,642,933	6,988	200,370	0	3,435,575	0
Other/unknown	254,889	5,354	8,915	205,764	34,856	0	2,455,625	49,437	90,900	1,978,840	336,448	0
<b>Managed Care Status</b>												
FFS all year	518,229	10,391	110,068	137,087	260,683	0	5,119,204	100,786	1,215,008	1,277,884	2,525,526	0
FFS part year, with Rx claims	68,990	48	6,394	26,114	36,434	0	750,883	487	72,216	281,798	396,382	0
FFS part year, no Rx claims	77,839	15	2,375	23,336	52,113	0	721,975	140	23,123	208,584	490,128	0
MC all year, with Rx claims	5,317	0	1,758	1,252	2,307	0	57,138	0	20,783	14,048	22,307	0
MC all year, no Rx claims	175,979	1	12,048	53,290	110,640	0	1,867,400	1	138,046	560,409	1,168,944	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.1 includes the beneficiaries represented by Cell J 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.
- Bene Mo(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; FFS = fee-for-service pharmacy benefit; MAX = Medicaid Analytic Extract; MC = managed care; Rx = pharmacy benefit.

APPENDIX TABLE A.2  
**MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS<sup>a</sup>**  
**NONDUAL BENEFICIARIES, MASSACHUSETTS, 2002**

	Bene Mos in Cell J of Table 1		Included in Cell K of Table 1		Excluded from Cell K of Table 1	
	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos
<b>All</b>	<b>846,354</b>	<b>8,516,600</b>	<b>665,058</b>	<b>5,826,673</b>	<b>0</b>	<b>2,689,927</b>
FFS all year	518,229	5,119,204	518,229	5,119,204	0	0
FFS part year, with Rx claims	68,990	750,883	68,990	437,768	0	313,115
FFS part year, with no Rx claims	77,839	721,975	77,839	269,701	0	452,274
MC all year, with Rx claims	5,317	57,138	0	0	0	57,138
MC all year, with no Rx claims	175,979	1,867,400	0	0	0	1,867,400

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.