

# STATISTICAL COMPENDIUM: MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 2003 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, 2003

Beneficiary Characteristics	Number of Beneficiaries							Number of Benefit Months						
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown		
<b>All</b>	<b>602,635</b>	<b>11,025</b>	<b>121,893</b>	<b>162,049</b>	<b>307,668</b>	<b>0</b>	<b>5,048,462</b>	<b>107,977</b>	<b>1,280,523</b>	<b>1,222,467</b>	<b>2,437,495</b>	<b>0</b>		
<b>Age</b>														
5 and younger	110,799	0	3,942	0	106,857	0	787,622	0	38,613	0	749,009	0		
6-14	148,393	0	12,075	1	136,317	0	1,288,168	0	130,974	9	1,157,185	0		
15-20	85,564	0	9,915	11,264	64,385	0	718,746	0	105,691	82,236	530,819	0		
21-44	170,964	0	42,498	128,358	108	0	1,404,402	0	443,305	960,616	481	0		
45-64	74,904	0	52,572	22,331	1	0	731,404	0	552,539	178,864	1	0		
65-74	7,089	6,215	788	86	0	0	71,176	62,215	8,278	683	0	0		
75-84	3,479	3,401	71	7	0	0	34,217	33,370	802	45	0	0		
85 and older	1,442	1,408	32	2	0	0	12,717	12,382	321	14	0	0		
Unknown	1	1	0	0	0	0	10	10	0	0	0	0		
<b>Gender</b>														
Female	345,645	7,085	64,127	122,739	151,694	0	2,889,915	69,255	680,983	938,324	1,201,353	0		
Male	256,990	3,940	57,766	39,310	155,974	0	2,158,547	38,722	599,540	284,143	1,236,142	0		
Unknown	0	0	0	0	0	0	0	0	0	0	0	0		
<b>Race</b>														
White	308,430	4,921	96,236	75,438	131,835	0	2,795,112	49,086	1,028,564	595,106	1,122,356	0		
African American	69,553	1,267	11,403	18,116	38,767	0	558,105	12,856	119,014	127,612	298,623	0		
Other/unknown	224,652	4,837	14,254	68,495	137,066	0	1,695,245	46,035	132,945	499,749	1,016,516	0		
<b>Use of Nursing Facilities<sup>c</sup></b>														
Entire year	2,265	903	1,342	10	10	0	23,579	8,594	14,804	76	105	0		
Part year	3,213	511	2,517	117	68	0	32,824	4,501	26,616	1,129	578	0		
None	597,157	9,611	118,034	161,922	307,590	0	4,992,059	94,882	1,239,103	1,221,262	2,436,812	0		
<b>Maintenance Assistance Status</b>														
Cash	169,792	1,087	91,441	32,923	44,341	0	1,601,930	11,745	993,703	239,928	356,554	0		
Medically needy	7,275	4,048	3,227	0	0	0	72,958	43,200	29,758	0	0	0		
Poverty-related	263,753	851	18,649	0	244,253	0	2,096,097	8,072	172,758	0	1,915,267	0		
Other/unknown	161,815	5,039	8,576	129,126	19,074	0	1,277,477	44,960	84,304	982,539	165,674	0		
<b>Managed Care (MC) Status</b>														
Fee-for-service (FFS) all year	455,405	10,979	109,583	113,045	221,798	0	4,470,546	107,629	1,213,954	1,038,146	2,110,817	0		
FFS part year, with Rx claims	63,776	33	9,450	23,089	31,204	0	334,005	269	55,444	114,854	163,438	0		
FFS part year, no Rx claims	83,454	13	2,860	25,915	54,666	0	243,911	79	11,125	69,467	163,240	0		

Table ND2

Nondual Beneficiaries

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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

TABLE ND.3

ANNUAL MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	Percentage with at Least One Rx	Mean Number of Rx	Mean Rx \$	\$ per Rx	Mean \$, All Medicaid FFS \$ <sup>c</sup>	Rx \$ as a Percentage of All Medicaid FFS \$ <sup>d</sup>	Number of Beneficiaries
All	59.7 %	9.4	\$599	\$64	\$4,435	13.5 %	602,635
<b>Age</b>							
5 and younger	51.0	2.5	96	38	2,895	3.3	110,799
6-14	52.2	4.2	262	63	2,476	10.6	148,393
15-20	54.0	5.3	390	73	3,822	10.2	85,564
21-44	65.8	11.2	746	67	5,043	14.8	170,964
45-64	79.0	28.8	1,869	65	9,382	19.9	74,904
65-74	64.1	15.6	827	53	5,350	15.5	7,089
75-84	64.6	19.7	917	47	8,297	11.1	3,479
85 and older	66.6	25.5	951	37	17,919	5.3	1,442
Unknown	0.0	0.0	0	0	0	0.0	1
<b>Basis of Eligibility<sup>e</sup></b>							
Aged	63.3	16.7	787	47	7,196	10.9	11,025
Disabled	81.8	27.9	2,070	74	12,469	16.6	121,893
Adults	60.7	6.9	329	48	2,313	14.2	162,049
Children	50.2	3.1	151	49	2,271	6.7	307,668
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Gender</b>							
Female	62.9	10.4	591	57	4,262	13.9	345,645
Male	55.3	8.0	609	76	4,668	13.0	256,990
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Race</b>							
White	67.9	13.7	896	66	5,887	15.2	308,430
African American	52.5	6.7	440	66	4,273	10.3	69,553
Other/unknown	50.6	4.3	240	56	2,492	9.6	224,652
<b>Use of Nursing Facilities<sup>f</sup></b>							
Entire year	90.8	66.6	3,731	56	68,642	5.4	2,265
Part year	92.7	60.7	3,778	62	54,470	6.9	3,213
None	59.4	8.9	570	64	3,922	14.5	597,157
<b>Maintenance Assistance Status</b>							
Cash	71.3	18.2	1,280	70	8,331	15.4	169,792
Medically needy	70.4	16.9	923	55	7,454	12.4	7,275
Poverty related	51.6	4.7	266	57	2,873	9.2	263,753
Other/unknown	60.1	7.4	412	55	2,759	14.9	161,815

Table ND3

Nondual Beneficiaries

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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. In seven states (DE, IA, NE, NY, TX, UT, and WV) the expenditures in this column include only Rx drug expenditures for those enrolled in capitated managed care plans, and not expenditures for other services covered by the plans or long-term-care services not covered by the plans. As a result, the amounts shown in this column for all Medicaid fee-for-service expenditures are lower than they would otherwise be.
  - d. In seven states (DE, IA, NE, NY, TX, UT, and WV) the Rx share of expenditures for all Medicaid services shown in this column is higher than it would be if all expenditures for these other services, including services provided in capitated managed care plans and long-term-care services, were included.
  - e. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
  - f. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- Bene(s) = beneficiary (or beneficiaries); CMS = Centers for Medicare & Medicaid Services; FFS = fee-for-service; MAX = Medicaid Analytic Extract; OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE ND.4  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	Mean Number of Rx	Mean Rx \$	Rx \$ as a Percentage of		Number of Rx, Percentage with:										Beneficiaries	Mean \$, All Medicaid FFS <sup>d</sup>	Benefit Months
			All Medicaid FFS <sup>c</sup>	All Medicaid FFS <sup>c</sup>	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	0.6 %	2.9 %	7.9 %	7.0 %			
<b>All</b>	<b>1.1</b>	<b>\$72</b>	<b>13.5 %</b>	<b>40.3 %</b>	<b>41.2 %</b>	<b>7.0 %</b>	<b>7.9 %</b>	<b>2.9 %</b>	<b>0.6 %</b>	<b>\$529</b>	<b>602,635</b>	<b>5,048,462</b>					
<b>Age</b>																	
5 and younger	0.4	14	3.3	49.0	46.7	2.8	1.3	0.2	0.0	407	110,799	787,622					
6-14	0.5	30	10.6	47.8	44.1	4.3	3.3	0.5	0.1	285	148,393	1,288,168					
15-20	0.6	47	10.2	46.0	43.1	5.6	4.3	0.9	0.1	455	85,564	718,746					
21-44	1.4	91	14.8	34.2	41.5	10.0	10.4	3.3	0.7	614	170,964	1,404,402					
45-64	3.0	191	19.9	21.0	26.4	12.9	24.1	12.5	3.1	961	74,904	731,404					
65-74	1.6	82	15.5	35.9	33.1	11.9	13.4	4.8	0.9	533	7,089	71,176					
75-84	2.0	93	11.1	35.4	27.0	10.4	17.6	7.4	2.1	844	3,479	34,217					
85 and older	2.9	108	5.3	33.4	15.6	10.3	22.6	15.0	3.0	2,032	1,442	12,717					
Unknown	0.0	0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0	1	10					
<b>Basis of Eligibility<sup>e</sup></b>																	
Aged	1.7	80	10.9	36.7	30.0	11.0	15.0	6.1	1.3	735	11,025	107,977					
Disabled	2.7	197	16.6	18.2	30.1	13.7	24.0	11.2	2.7	1,187	121,893	1,280,523					
Adults	0.9	44	14.2	39.3	43.9	8.6	6.6	1.4	0.2	307	162,049	1,222,467					
Children	0.4	19	6.7	49.8	44.5	3.4	2.0	0.3	0.0	287	307,668	2,437,495					
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	71	13.9	37.1	42.5	7.8	8.6	3.3	0.7	510	345,645	2,889,915					
Male	1.0	73	13.0	44.7	39.4	6.1	7.0	2.3	0.5	556	256,990	2,158,547					
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	99	15.2	32.1	41.4	9.2	11.7	4.6	1.0	650	308,430	2,795,112					
African American	0.8	55	10.3	47.5	39.4	5.3	5.5	1.8	0.4	533	69,553	558,105					
Other/unknown	0.6	32	9.6	49.4	41.5	4.7	3.4	0.8	0.2	330	224,652	1,695,245					
<b>Use of Nursing Facilities<sup>f</sup></b>																	
Entire year	6.4	358	5.4	9.2	6.4	6.6	25.8	34.2	17.9	6,594	2,265	23,579					
Part year	5.9	370	6.9	7.3	11.5	9.0	28.1	30.1	14.0	5,332	3,213	32,824					
None	1.1	68	14.5	40.6	41.5	7.0	7.7	2.6	0.5	469	597,157	4,992,059					
<b>Maintenance Assistance Status</b>																	
Cash	1.9	136	15.4	28.7	37.6	10.1	15.1	6.8	1.6	883	169,792	1,601,930					
Medically needy	1.7	92	12.4	29.6	34.4	12.8	17.2	4.9	1.0	743	7,275	72,958					
Poverty related	0.6	33	9.2	48.4	42.7	4.2	3.6	1.0	0.2	362	263,753	2,096,097					
Other/unknown	0.9	52	14.9	39.9	42.9	8.2	7.0	1.8	0.3	350	161,815	1,277,477					

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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. In seven states (DE, IA, NE, NY, TX, UT, and WV) the expenditures in this column include only Rx drug expenditures for those enrolled in capitated managed care plans, and not expenditures for other services covered by the plans or long-term-care services not covered by the plans. As a result, the amounts shown in this column for all Medicaid fee-for-service expenditures are lower than they would otherwise be.
  - d. In seven states (DE, IA, NE, NY, TX, UT, and WV) the Rx share of expenditures for all Medicaid services shown in this column is higher than it would be if all expenditures for these other services, including services provided in capitated managed care plans and long-term-care services, were included.
  - e. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
  - f. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Centers for Medicare & Medicaid Services; FFS = fee-for-service; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.



TABLE ND.5  
 AVERAGE MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary	All Rx			Patented Brand-Name Drugs			Off-Patent Brand-Name Drugs			Generic Drugs		
	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx
<b>All</b>	1.1	\$72	\$64	0.5	\$58	\$119	0.0	\$1	\$61	0.6	\$13	\$21
<b>Age</b>												
5 and younger	0.4	14	38	0.1	11	82	0.0	0	54	0.2	3	12
6-14	0.5	30	63	0.3	26	101	0.0	0	102	0.2	4	18
15-20	0.6	47	73	0.3	37	114	0.0	1	103	0.3	9	30
21-44	1.4	91	67	0.6	74	130	0.0	1	55	0.8	16	21
45-64	3.0	191	65	1.2	154	125	0.0	2	53	1.7	36	21
65-74	1.6	82	53	0.7	65	97	0.0	1	37	0.9	17	19
75-84	2.0	93	47	0.9	73	85	0.0	1	42	1.1	19	17
85 and older	2.9	108	37	1.1	81	72	0.1	2	24	1.7	25	15
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Basis of Eligibility<sup>d</sup></b>												
Aged	1.7	80	47	0.7	63	87	0.0	1	34	1.0	17	18
Disabled	2.7	197	74	1.2	161	138	0.0	2	68	1.5	34	23
Adults	0.9	44	48	0.4	34	95	0.0	0	37	0.5	9	17
Children	0.4	19	49	0.2	15	85	0.0	0	75	0.2	3	17
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Gender</b>												
Female	1.2	71	57	0.5	57	108	0.0	1	50	0.7	13	19
Male	1.0	73	76	0.4	59	137	0.0	1	84	0.5	12	24
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Race</b>												
White	1.5	99	66	0.7	80	122	0.0	1	63	0.8	17	21
African American	0.8	55	66	0.3	46	130	0.0	1	58	0.5	9	19
Other/unknown	0.6	32	56	0.2	25	102	0.0	0	54	0.3	7	21
<b>Use of Nursing Facilities<sup>e</sup></b>												
Entire year	6.4	358	56	2.5	278	111	0.2	6	34	3.7	75	20
Part year	5.9	370	62	2.3	293	129	0.1	4	37	3.5	71	20
None	1.1	68	64	0.5	55	119	0.0	1	65	0.6	12	21
<b>Maintenance Assistance Status</b>												
Cash	1.9	136	70	0.8	111	134	0.0	1	67	1.1	23	21
Medically needy	1.7	92	55	0.7	74	100	0.0	1	44	0.9	17	19
Poverty related	0.6	33	57	0.3	27	102	0.0	0	66	0.3	6	18
Other/unknown	0.9	52	55	0.4	40	101	0.0	1	47	0.5	12	22

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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, 0.4 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.medispan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).
  - d. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
  - e. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- CMS = Centers for Medicare & Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE ND.6

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Therapeutic Category	Number of Rx per Benefit Month Among Users				\$ per Benefit Month Among Users				Users <sup>e</sup>								
	Total	Patented	Off-Patent	Generic	Total	Patented	Off-Patent	Generic	Total Number of Rx	Total Rx \$	Number of Users	Percentage of All Beneficiaries	As a Percentage	Number of Benefit Months			
															Brand-Name	Brand-Name	Brand-Name
Anti-infective Agents	0.3	0.1	0.0	0.1	\$21	\$18	\$0	\$3	\$84	\$176	\$84	\$18	548,195	\$46,303,719	209,407	34.7 %	2,184,240
Biologicals	0.2	0.2	0.0	0.0	146	105	12	29	665	534	2,259	1,640	4,206	2,796,125	1,851	0.3	19,181
Antineoplastic Agents	0.5	0.2	0.0	0.2	181	163	2	16	390	667	134	77	14,665	5,726,090	3,006	0.5	31,620
Endocrine/Metabolic Drugs	0.5	0.2	0.0	0.3	23	17	1	5	43	71	26	19	520,653	22,491,318	95,374	15.8	987,400
Cardiovascular Agents	0.9	0.3	0.0	0.6	32	22	0	10	34	74	40	16	697,233	23,652,296	68,704	11.4	738,223
Respiratory Agents	0.4	0.3	0.0	0.2	22	19	0	3	51	74	53	15	499,261	25,347,024	109,013	18.1	1,147,868
Gastrointestinal Agents	0.4	0.3	0.0	0.2	35	30	1	4	78	113	281	23	290,189	22,729,956	61,029	10.1	652,013
Genitourinary Agents	0.2	0.2	0.0	0.1	12	11	0	1	51	61	26	14	61,361	3,108,840	24,529	4.1	258,647
CNS Drugs	1.0	0.5	0.0	0.5	82	68	0	14	81	131	98	28	1,207,513	97,529,434	112,466	18.7	1,194,277
Stimulants/Anti-obesity/Anorexia	0.6	0.4	0.0	0.2	44	37	0	7	75	88	64	41	146,285	10,933,524	23,400	3.9	249,061
Miscellaneous Psychological/Neurological Agents	0.5	0.4	0.0	0.0	120	120	0	0	260	278	0	15	7,185	1,866,812	1,411	0.2	15,504
Analgesics and Anesthetics	0.5	0.1	0.0	0.4	20	15	0	5	44	187	54	14	648,552	28,402,764	133,734	22.2	1,400,744
Neuromuscular Agents	0.7	0.3	0.0	0.4	48	41	0	6	67	119	51	18	498,729	33,248,332	64,209	10.7	695,665
Nutritional Products	0.2	0.0	0.0	0.2	4	1	0	3	16	36	20	14	88,394	1,413,595	39,407	6.5	388,595
Hematological Agents	0.6	0.1	0.0	0.4	163	127	0	36	286	947	11	87	68,132	19,486,401	11,170	1.9	119,201
Topical Products	0.2	0.1	0.0	0.1	9	6	0	3	37	65	55	19	309,909	11,394,621	125,488	20.8	1,318,391
Miscellaneous Products	0.2	0.1	0.0	0.0	34	28	2	4	174	200	260	83	20,020	3,480,142	9,611	1.6	101,778
Unknown Therapeutic Category	0.2	0.0	0.0	0.0	9	0	0	0	50	0	0	0	18,425	929,967	10,062	1.7	108,445
<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.	5,648,907	360,840,960	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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

d. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. In Massachusetts, 0.4 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.medspan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

e. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2003.

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

TABLE ND.7  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Top 10 Drug Groups	Users			Among Users		
	Total Medicaid Rx \$	Number of Users	Percentage of All Beneficiaries	Number of Benefit Months	Number of Rx per Benefit Month	Rx \$ per Benefit
						Month
ANTIPSYCHOTICS	\$54,101,776	51,922	8.6 %	580,092	0.6	\$160
ANTIDEPRESSANTS	37,361,472	119,096	19.8	1,300,209	0.5	61
ANTICONVULSANT	29,988,648	54,261	9.0	603,246	0.6	78
ANTIVIRAL	29,339,115	13,784	2.3	150,884	0.4	446
ANALGESICS - Narcotic	18,861,389	118,926	19.7	1,294,114	0.3	49
ULCER DRUGS	16,898,627	55,122	9.1	602,943	0.4	78
ANTIASTHMATIC	16,342,127	108,501	18.0	1,170,907	0.3	51
MISC. HEMATOLOGICAL	13,573,463	2,258	0.4	24,658	0.5	1,141
STIMULANTS/ANTI-OBESITY/ANOREXIANTS	10,800,990	26,167	4.3	286,591	0.5	75
ANTIHYPERLIPIDEMIC	10,729,336	23,295	3.9	258,866	0.5	83
Total	237,996,943	573,332		6,272,510	n.a.	n.a.

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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 2003. 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 2003. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispain.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

TABLE ND.7A  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS COMBINED  
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	All Top 10 Drug Groups					ANTIPSYCHOTICS					ANTIDEPRESSANTS				
	Number of Rx	Rx \$	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Rx \$ per Benefit Month	Number of Benefit Months Among Users	Users as % of All Benes	Number of Users	Mean Rx \$ per Benefit Month	Number of Benefit Months Among Users	Users as % of All Benes	Number of Users	Mean Rx \$ per Benefit Month	
<b>All</b>	<b>2,611,018</b>	<b>\$237,996,943</b>	<b>51,922</b>	<b>8.6 %</b>	<b>580,092</b>	<b>\$93</b>	<b>119,096</b>	<b>19.8 %</b>	<b>1,300,209</b>	<b>0.5</b>	<b>\$29</b>				
<b>Female</b>	1,567,879	125,074,862	29,487	8.5	329,088	81	82,523	23.9	898,692	0.5	28				
<b>Disabled</b>	1,036,753	91,272,219	21,192	33.0	240,646	93	46,251	72.1	521,696	0.5	32				
5 and younger	5,180	326,307	16	1.0	174	60	13	0.8	147	0.4	20				
6-14	29,377	2,557,011	621	15.7	7,105	83	745	18.9	8,478	0.5	24				
15-20	32,824	2,976,886	964	25.4	10,928	85	1,419	37.4	16,142	0.5	30				
21-44	364,886	34,622,850	9,669	42.4	109,118	84	18,556	81.4	208,052	0.5	30				
45-64	597,545	50,248,031	9,834	31.3	112,325	103	25,306	80.5	286,469	0.5	34				
65-74	6,432	505,062	84	17.0	950	100	199	40.3	2,253	0.5	30				
75-84	414	27,510	3	7.5	34	42	9	22.5	107	0.8	55				
85 and older	95	8,562	1	4.2	12	66	4	16.7	48	0.7	30				
<b>Other Eligibles</b>	531,126	33,802,643	8,295	2.9	88,442	47	36,272	12.9	376,996	0.4	23				
5 and younger	16,919	861,034	52	0.1	569	39	84	0.2	920	0.3	15				
6-14	71,957	4,887,252	1,130	1.7	12,531	65	2,621	3.9	28,900	0.4	23				
15-20	65,508	4,288,489	1,536	3.8	16,544	62	5,036	12.5	53,216	0.4	21				
21-44	280,355	16,808,671	4,381	4.3	46,340	36	23,077	22.9	238,140	0.4	23				
45-64	60,187	4,486,590	582	4.4	6,170	47	4,025	30.1	40,531	0.4	29				
65-74	14,790	1,162,044	158	3.9	1,672	63	567	14.1	6,386	0.4	20				
75-84	12,710	843,435	225	10.7	2,312	64	451	21.4	4,797	0.6	27				
85 and older	8,700	465,128	231	22.9	2,304	55	411	40.7	4,106	0.6	24				
<b>Male</b>	1,043,139	112,922,081	22,435	8.7	251,004	110	36,573	14.2	401,517	0.5	30				
<b>Disabled</b>	716,053	86,888,649	17,147	29.7	194,066	117	24,450	42.3	273,655	0.5	31				
5 and younger	9,356	743,731	70	3.0	800	66	55	2.3	622	0.4	10				
6-14	75,568	8,605,718	2,062	25.4	23,617	98	1,908	23.5	21,871	0.5	27				
15-20	54,260	10,325,135	1,668	27.3	19,206	105	1,754	28.7	20,173	0.5	31				
21-44	252,208	32,810,643	7,649	38.8	85,775	120	9,714	49.3	107,518	0.5	32				
45-64	320,291	34,038,111	5,628	26.6	63,930	125	10,900	51.6	122,126	0.5	32				
65-74	4,063	344,350	62	21.1	642	138	112	38.1	1,271	0.6	33				
75-84	299	20,629	7	22.6	84	84	7	22.6	74	0.3	17				
85 and older	8	332	1	12.5	12	25	0	0.0	0	0.0	0				
<b>Other Eligibles</b>	327,086	26,033,432	5,288	2.7	56,938	84	12,123	6.1	127,862	0.4	26				
5 and younger	27,886	1,647,989	131	0.2	1,411	48	155	0.3	1,667	0.3	17				
6-14	135,597	10,432,390	2,170	3.1	23,948	93	3,933	5.7	42,922	0.5	27				
15-20	65,505	5,548,361	1,647	4.7	17,929	93	3,249	9.2	34,856	0.5	28				
21-44	52,544	4,381,257	793	2.9	7,966	52	2,918	10.6	29,310	0.3	22				
45-64	28,388	2,708,757	262	2.9	2,732	59	1,303	14.5	13,203	0.4	27				
65-74	8,065	646,791	105	4.6	1,186	74	224	9.8	2,475	0.4	21				
75-84	6,436	496,562	113	8.7	1,152	73	222	17.0	2,295	0.5	24				
85 and older	2,665	171,325	67	16.8	614	74	119	29.8	1,134	0.7	29				
<b>Unknown</b>	0	0	0	0.0	0	0	0	0.0	0	0.0	0				

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 1/01/2007.

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 2003. 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 2003. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispain.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

TABLE ND.7B  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY,  
 BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a,b,c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	ANTICONVULSANT				ANTIVIRAL				ANALGESICS - Narcotic				
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean of Rx per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean of Rx per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean of Rx per Benefit Month	
<b>All</b>	<b>54,261</b>	<b>9.0 %</b>	<b>603,246</b>	<b>0.6</b>	<b>13,784</b>	<b>2.3 %</b>	<b>150,884</b>	<b>0.4</b>	<b>118,926</b>	<b>19.7 %</b>	<b>1,294,114</b>	<b>0.3</b>	<b>\$15</b>
<b>Female</b>	33,419	9.7	370,794	0.6	7,982	2.3	87,158	0.4	83,115	24.0	905,605	0.3	13
<b>Disabled</b>	23,047	35.9	262,091	0.7	4,449	6.9	50,330	0.5	35,485	55.3	402,927	0.4	20
5 and younger	213	13.5	2,437	0.6	26	1.6	312	0.4	78	4.9	885	0.1	1
6-14	934	23.7	10,763	0.8	118	3.0	1,386	0.7	299	7.6	3,477	0.1	2
15-20	1,049	27.6	12,069	0.7	115	3.0	1,343	0.4	743	19.6	8,449	0.2	5
21-44	10,047	44.1	113,698	0.7	2,431	10.7	27,320	0.4	14,660	64.2	166,023	0.3	21
45-64	10,701	34.0	121,978	0.7	1,750	5.6	19,861	0.5	19,484	62.0	221,508	0.4	21
65-74	93	18.8	1,032	0.6	9	1.8	108	0.3	214	43.3	2,386	0.4	18
75-84	8	20.0	90	0.7	0	0.0	0	0.0	15	37.5	175	0.3	15
85 and older	2	8.3	24	0.2	0	0.0	0	0.0	2	8.3	24	0.3	3
<b>Other Eligibles</b>	10,372	3.7	108,703	0.5	3,533	1.3	36,828	0.2	47,630	16.9	502,678	0.2	6
5 and younger	159	0.3	1,644	0.4	117	0.2	1,156	0.2	625	1.2	6,749	0.1	1
6-14	1,152	1.7	12,664	0.5	274	0.4	2,983	0.3	2,167	3.2	23,910	0.1	1
15-20	1,484	3.7	15,917	0.5	510	1.3	5,266	0.2	5,899	14.6	61,322	0.1	1
21-44	6,070	6.0	62,721	0.4	2,274	2.3	23,628	0.2	33,618	33.3	353,887	0.2	7
45-64	1,031	7.7	10,649	0.5	302	2.3	3,167	0.3	3,979	29.8	42,279	0.3	14
65-74	188	4.7	2,091	0.6	28	0.7	316	0.3	634	15.8	7,135	0.2	5
75-84	190	9.0	2,024	0.6	17	0.8	200	0.1	430	20.4	4,732	0.3	9
85 and older	98	9.7	993	0.5	11	1.1	112	0.1	278	27.5	2,664	0.4	14
<b>Male</b>	20,842	8.1	232,452	0.7	5,802	2.3	63,726	0.5	35,811	13.9	388,509	0.3	20
<b>Disabled</b>	15,807	27.4	179,086	0.7	4,636	8.0	51,525	0.6	20,318	35.2	226,524	0.4	28
5 and younger	316	13.4	3,624	0.6	22	0.9	256	0.4	137	5.8	1,562	0.1	1
6-14	1,916	23.6	22,001	0.7	148	1.8	1,701	0.6	509	6.3	5,926	0.1	1
15-20	1,546	25.3	17,895	0.8	90	1.5	1,064	0.4	919	15.0	10,599	0.2	4
21-44	6,409	32.5	72,192	0.7	2,155	10.9	23,674	0.5	8,236	41.8	91,315	0.4	29
45-64	5,568	26.4	62,767	0.7	2,205	10.4	24,638	0.6	10,396	49.2	115,816	0.4	31
65-74	50	17.0	583	0.8	16	5.4	192	0.7	111	37.8	1,206	0.4	18
75-84	2	6.5	24	1.6	0	0.0	0	0.0	9	29.0	88	0.2	4
85 and older	0	0.0	0	0.0	0	0.0	0	0.0	1	12.5	12	0.2	1
<b>Other Eligibles</b>	5,035	2.5	53,366	0.5	1,166	0.6	12,201	0.4	15,493	7.8	161,985	0.2	8
5 and younger	247	0.5	2,605	0.4	37	0.3	1,458	0.3	1,051	1.9	11,239	0.1	3
6-14	1,755	2.5	19,358	0.6	49	0.3	2,532	0.4	2,405	3.5	26,199	0.1	1
15-20	1,372	3.9	14,614	0.6	155	0.4	1,674	0.3	3,311	9.4	35,016	0.1	1
21-44	1,009	3.7	10,001	0.4	385	1.4	3,806	0.4	6,113	22.2	61,781	0.3	14
45-64	440	4.9	4,492	0.5	211	2.4	2,249	0.5	1,985	22.2	20,928	0.3	13
65-74	105	4.6	1,173	0.5	26	1.1	306	0.3	339	14.9	3,811	0.2	6
75-84	74	5.7	787	0.7	12	0.9	140	0.1	202	15.5	2,202	0.2	14
85 and older	33	8.3	336	0.6	3	0.8	36	0.1	87	21.8	809	0.3	13
<b>Unknown</b>	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 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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 2003. 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 2003. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispain.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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



TABLE ND.7C  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY,  
 BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a,b,c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	ULCER DRUGS					ANTIASTHMATIC					MISC. HEMATOLOGICAL				
	Number of Users	Users as % of All Beneficiaries	Number of Benefit Months Among Users	Mean Rx \$ per Benefit Month	Mean Number of Rx per Benefit Month	Number of Users	Users as % of All Beneficiaries	Number of Benefit Months Among Users	Mean Rx \$ per Benefit Month	Mean Number of Rx per Benefit Month	Number of Users	Users as % of All Beneficiaries	Number of Benefit Months Among Users	Mean Rx \$ per Benefit Month	Mean Number of Rx per Benefit Month
<b>All</b>	<b>55,122</b>	<b>9.1 %</b>	<b>602,943</b>	<b>\$28</b>	<b>0.4</b>	<b>108,501</b>	<b>18.0 %</b>	<b>1,170,907</b>	<b>\$14</b>	<b>0.3</b>	<b>2,258</b>	<b>0.4 %</b>	<b>24,658</b>	<b>\$551</b>	<b>0.5</b>
<b>Female</b>	36,915	10.7	405,095	28	0.3	64,719	18.7	700,377	14	0.3	1,114	0.3	12,284	69	0.5
<b>Disabled</b>	21,125	32.9	239,607	33	0.4	27,181	42.4	307,280	19	0.3	831	1.3	9,319	75	0.5
5 and younger	288	18.2	3,166	21	0.4	639	40.5	7,147	16	0.3	2	0.1	22	0.4	11
6-14	402	10.2	4,687	34	0.5	1,350	34.2	15,578	16	0.3	2	0.1	24	0.6	29
15-20	456	12.0	5,304	21	0.3	1,038	27.4	11,897	15	0.3	6	0.2	62	0.4	48
21-44	6,335	27.8	71,764	28	0.4	8,725	38.3	98,531	15	0.3	69	0.3	787	0.4	317
45-64	13,420	42.7	152,155	36	0.4	15,210	48.4	171,688	22	0.4	726	2.3	8,131	0.5	53
65-74	207	41.9	2,334	38	0.4	201	40.7	2,229	22	0.4	22	4.5	251	0.6	57
75-84	16	40.0	185	31	0.4	16	40.0	186	19	0.4	2	5.0	18	0.3	60
85 and older	1	4.2	12	23	0.3	2	8.3	24	91	0.3	2	8.3	24	0.6	57
<b>Other Eligibles</b>	15,790	5.6	165,488	20	0.3	37,538	13.3	393,097	11	0.2	283	0.1	2,965	0.5	48
5 and younger	751	1.4	6,614	13	0.3	6,816	13.0	69,739	9	0.2	1	0.0	6	0.2	15
6-14	845	1.3	9,199	14	0.2	9,674	14.4	103,781	10	0.2	1	0.0	5	0.2	22
15-20	1,533	3.8	16,045	12	0.2	5,236	13.0	54,968	9	0.2	0	0.0	0	0.0	0
21-44	8,705	8.6	91,274	18	0.2	12,579	12.5	130,523	11	0.2	45	0.0	495	0.4	39
45-64	2,199	16.4	22,989	28	0.3	2,264	16.9	23,555	16	0.3	58	0.4	575	0.5	50
65-74	952	23.7	10,896	25	0.3	400	9.9	4,654	16	0.3	61	1.5	677	0.4	49
75-84	507	24.1	5,535	30	0.4	321	15.3	3,533	19	0.4	70	3.3	764	0.6	49
85 and older	298	29.5	2,936	32	0.5	248	24.6	2,344	15	0.4	47	4.7	443	0.6	54
<b>Male</b>	18,207	7.1	197,848	29	0.4	43,782	17.0	470,530	14	0.3	1,144	0.4	12,374	0.5	1,029
<b>Disabled</b>	11,630	20.1	130,143	33	0.4	14,550	25.2	163,950	18	0.3	856	1.5	9,396	0.5	1,268
5 and younger	405	17.1	4,499	20	0.4	1,184	50.1	13,103	14	0.3	8	0.3	85	0.4	2,204
6-14	552	6.8	6,398	29	0.4	2,700	33.2	31,072	14	0.3	16	0.2	184	0.7	10,816
15-20	452	7.4	5,220	28	0.4	1,323	21.6	15,313	14	0.3	12	0.2	142	1.1	36,345
21-44	3,686	18.7	41,009	30	0.4	3,245	16.5	36,252	16	0.3	94	0.5	992	0.5	3,354
45-64	6,411	30.3	71,611	36	0.5	5,997	28.4	67,051	23	0.4	714	3.4	7,857	0.5	158
65-74	115	39.1	1,300	30	0.4	92	31.3	1,051	23	0.5	11	3.7	124	0.6	68
75-84	9	29.0	106	35	0.5	8	25.8	96	16	0.4	1	3.2	12	0.2	18
85 and older	0	0.0	0	0	0.0	1	12.5	12	1	0.1	0	0.0	0	0.0	0
<b>Other Eligibles</b>	6,577	3.3	67,705	22	0.3	29,232	14.7	306,580	11	0.2	288	0.1	2,978	0.5	274
5 and younger	990	1.8	9,060	14	0.3	9,557	17.5	97,995	10	0.2	3	0.0	35	0.4	950
6-14	792	1.1	8,690	19	0.2	12,562	18.2	134,597	12	0.2	5	0.0	60	0.3	5,941
15-20	744	2.1	7,990	16	0.2	3,955	11.2	41,822	10	0.2	6	0.0	56	0.5	3,089
21-44	2,136	7.7	21,678	24	0.3	1,788	6.5	17,782	13	0.3	54	0.2	489	0.4	184
45-64	1,124	12.5	11,611	28	0.3	797	8.9	8,188	16	0.3	83	0.9	827	0.5	104
65-74	439	19.3	4,933	27	0.3	273	12.0	3,066	19	0.3	54	2.4	613	0.4	56
75-84	273	20.9	2,974	33	0.4	229	17.6	2,391	18	0.3	58	4.4	648	0.4	50
85 and older	79	19.8	769	35	0.5	71	17.8	739	19	0.4	25	6.3	250	0.7	49
<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 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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 2003. 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 2003. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispain.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

TABLE ND.7D  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR NINTH AND TENTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	STIMULANTS/ANTI-OBESITY/ANOREXIANTS					ANTIHYPERTENSIVES					ANTHYPERLIPIDEMIC					
	Number of Users	Users as % of All Bases	Number of Benefit Months Among Users	Mean of Rx Benefit per Month	Mean of Rx \$ per Benefit Month	Users as % of All Bases	Number of Benefit Months Among Users	Mean of Rx Benefit per Month	Mean of Rx \$ per Benefit Month	Number of Benefit Months Among Users	Users as % of All Bases	Number of Benefit Months Among Users	Mean of Rx Benefit per Month	Mean of Rx \$ per Benefit Month	Number of Beneficiaries	Number of Benefit Months
<b>All</b>	<b>26,167</b>	<b>4.3 %</b>	<b>286,591</b>	<b>0.5</b>	<b>\$38</b>	<b>23,295</b>	<b>3.9 %</b>	<b>258,866</b>	<b>0.5</b>	<b>\$41</b>	<b>602,635</b>	<b>5,048,462</b>				
<b>Female</b>	8,262	2.4	91,259	0.5	38	14,093	4.1	157,660	0.5	41	345,644	2,889,905				
<b>Disabled</b>	2,539	4.0	28,906	0.5	43	10,278	16.0	116,920	0.5	43	64,127	680,983				
5 and younger	37	2.3	400	0.4	20	7	0.4	67	0.2	9	1,579	15,485				
6-14	783	19.9	8,852	0.5	37	9	0.2	107	0.2	5	3,943	42,809				
15-20	352	9.3	4,003	0.5	40	27	0.7	303	0.3	22	3,795	40,108				
21-44	733	3.2	8,372	0.5	42	1,261	5.5	14,458	0.5	35	22,807	241,648				
45-64	631	2.0	7,243	0.5	54	8,801	28.0	99,981	0.5	45	31,445	335,013				
65-74	3	0.6	36	0.4	66	162	32.8	1,872	0.5	48	494	5,234				
75-84	0	0.0	0	0.0	0	8	20.0	96	0.5	45	40	452				
85 and older	0	0.0	0	0.0	0	3	12.5	36	0.5	49	24	234				
<b>Other Eligibles</b>	5,723	2.0	62,353	0.5	35	3,815	1.4	40,740	0.4	35	281,517	2,208,922				
5 and younger	143	0.3	1,498	0.3	27	10	0.0	111	0.3	20	52,400	366,483				
6-14	3,505	5.2	38,569	0.5	35	23	0.0	249	0.3	25	67,381	572,148				
15-20	1,035	2.6	11,338	0.4	33	48	0.1	484	0.3	26	40,328	323,180				
21-44	820	0.8	8,596	0.4	37	1,188	1.2	12,401	0.4	28	100,900	769,995				
45-64	189	1.4	1,998	0.5	47	1,192	8.9	12,174	0.4	37	13,373	107,462				
65-74	8	0.2	96	0.4	27	863	21.5	9,928	0.4	39	4,021	40,357				
75-84	10	0.5	114	0.4	10	400	19.0	4,439	0.5	41	2,104	20,445				
85 and older	13	1.3	144	0.4	18	91	9.0	954	0.6	35	1,010	8,852				
<b>Male</b>	17,905	7.0	195,332	0.5	38	9,202	3.6	101,206	0.5	42	256,990	2,158,547				
<b>Disabled</b>	5,385	9.3	61,157	0.5	40	6,400	11.1	71,951	0.6	45	57,766	599,540				
5 and younger	155	6.6	1,706	0.4	21	5	0.2	60	0.1	1	2,363	23,128				
6-14	3,185	39.2	36,035	0.6	40	14	0.2	168	0.4	15	8,132	88,165				
15-20	1,183	19.3	13,683	0.5	42	37	0.6	419	0.4	21	6,120	65,583				
21-44	541	2.7	6,109	0.5	37	1,229	6.2	13,896	0.5	38	19,691	201,657				
45-64	320	1.5	3,612	0.5	41	5,025	23.8	56,379	0.6	46	21,127	217,526				
65-74	1	0.3	12	0.1	1	84	28.6	957	0.5	48	294	3,044				
75-84	0	0.0	0	0.0	0	6	19.4	72	0.7	45	31	350				
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	8	87				
<b>Other Eligibles</b>	12,520	6.3	134,175	0.5	37	2,802	1.4	29,255	0.4	36	199,224	1,559,007				
5 and younger	522	1.0	5,592	0.3	21	20	0.0	190	0.2	13	54,457	382,526				
6-14	9,228	13.4	99,042	0.5	37	55	0.1	573	0.3	27	68,937	585,046				
15-20	2,471	7.0	26,593	0.5	40	52	0.1	512	0.4	31	35,321	289,875				
21-44	208	0.8	2,026	0.5	34	854	3.1	8,648	0.4	31	27,566	191,102				
45-64	83	0.9	844	0.5	39	1,109	12.4	11,248	0.5	38	8,959	71,403				
65-74	3	0.1	31	0.1	8	404	17.7	4,625	0.4	40	2,280	22,541				
75-84	3	0.2	31	0.7	16	266	20.4	3,037	0.4	41	1,304	12,970				
85 and older	2	0.5	16	0.4	5	42	10.5	422	0.5	41	400	3,544				
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	10				

Table ND7D

Nondual Beneficiaries

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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 2003. 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 2003. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

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, 2003**

Beneficiary Characteristics	Rx \$ per Benefit Month	Number of Rx per Benefit Month	Number of All-Year Nursing Facility Residents	Benefit Months Among All-Year Nursing Facility Residents	
				6.4	2,265
<b>All</b>	<b>\$358</b>		<b>2,265</b>		<b>23,579</b>
<b>Age</b>					
0-64	443		1,303		14,391
65-74	342		180		1,782
75-84	261		324		3,080
85 and older	153		458		4,326
Unknown	0		0		0
<b>Gender</b>					
Female	355		1,369		14,151
Male	363		896		9,428
Unknown	0		0		0
<b>Race</b>					
White	371		1,688		17,965
African American	450		153		1,582
Other/unknown	269		424		4,032
<b>Basis of Eligibility<sup>c</sup></b>					
Aged	213		903		8,594
Disabled	445		1,342		14,804
Adults	359		10		76
Children	130		10		105
Unknown	0		0		0

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

a. Table ND.8 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their 2003 Medicaid enrollment. A total of 3,213 beneficiaries who were in nursing facilities for part of their enrollment and their 32,824 benefit months were excluded from the analysis. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

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

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

TABLE 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, 2003

Therapeutic Category	Number of Rx per Benefit Month Among Users			\$ per Benefit Month Among Users			\$ per Rx			Users						
	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Total Number of Rx	Total Rx \$	Number of Users	Percentage of All-Year Nursing Facility Residents	Number of Benefit Months		
	Generic	Generic	Generic	Generic	Generic	Generic	Generic	Generic	Generic	Generic	Generic	Generic	Generic	Generic		
Anti-infective Agents	0.5	0.2	0.0	0.2	\$35	\$28	\$1	\$6	\$75	\$100	\$26	6,937	\$517,933	1,368	60.4 %	14,770
Biologicals	0.1	0.1	0.0	0.1	5	3	0	2	40	57	0	17	685	12	0.5	140
Antineoplastic Agents	0.6	0.2	0.0	0.3	193	158	0	34	348	652	138	682	237,654	122	5.4	1,233
Endocrine/Metabolic Drugs	1.1	0.4	0.1	0.6	36	27	1	8	32	60	13	14	321,915	852	37.6	9,043
Cardiovascular Agents	1.8	0.4	0.0	1.4	42	22	1	19	23	58	42	13	548,749	1,246	55.0	13,107
Respiratory Agents	1.0	0.5	0.0	0.5	44	34	1	9	44	72	103	17	361,812	772	34.1	8,295
Gastrointestinal Agents	1.1	0.5	0.0	0.6	62	48	2	12	56	98	120	20	779,055	1,187	52.4	12,467
Genitourinary Agents	0.6	0.4	0.0	0.2	32	27	0	5	51	65	27	24	132,362	372	16.4	4,132
CNS Drugs	1.9	0.9	0.0	0.9	158	134	1	23	84	145	66	24	2,819,480	1,666	73.6	17,849
Stimulants/Anti-obesity/Anorexia	0.5	0.2	0.0	0.3	39	33	0	6	78	150	0	22	22,133	51	2.3	571
Miscellaneous Psychological/Neurological Agents	0.7	0.7	0.0	0.0	108	108	0	0	148	148	0	0	194,994	174	7.7	1,798
Analgesics and Anesthetics	0.8	0.3	0.0	0.5	47	38	1	8	55	132	31	15	444,634	924	40.8	9,541
Neuromuscular Agents	1.6	0.7	0.0	0.9	109	81	0	27	68	112	52	32	1,417,285	1,171	51.7	13,045
Nutritional Products	0.7	0.0	0.1	0.6	13	0	1	12	20	29	17	20	67,429	488	21.5	5,053
Hematological Agents	1.3	0.2	0.2	0.9	38	27	2	9	29	161	9	10	247,799	631	27.9	6,491
Topical Products	0.6	0.2	0.0	0.3	22	15	2	6	38	66	56	18	302,700	1,237	54.6	13,591
Miscellaneous Products	0.3	0.1	0.0	0.2	22	9	2	12	69	128	340	47	27,524	119	5.3	1,234
Unknown Therapeutic Category	0.3	0.0	0.0	0.0	11	0	0	0	37	0	0	0	6,140	50	2.2	540
<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.	150,872	8,450,283	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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 2003. A total of 3,213 beneficiaries who were in nursing facilities for part of their enrollment and their 32,824 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 2003. 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.medispan.com/marketing/ContentPage.aspx?contentid=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

e. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. For information about this classification method, see Wolters Kluwer Health, <http://www.medspan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

In Massachusetts, 0.4 percent of drug claims have missing values for brand status. Thus, the sum of the three groups in this table may be smaller than all prescriptions combined.

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

TABLE 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, 2003

Top 10 Drug Groups in Nursing Facilities	Users				Among Users		
	Total Medicaid Rx \$	Number of Users	As a Percentage of All-Year Nursing Facility Residents	Number of Benefit Months	Number of Rx per Benefit Month	\$ per Rx	Rx \$ per Benefit Month
ANTIPSYCHOTICS	\$1,977,538	1,252	55.3 %	13,984	0.9	\$162	\$141
ANTICONVULSANT	1,134,198	1,358	60.0	15,322	1.0	74	74
ANTIDEPRESSANTS	732,918	1,664	73.5	18,010	0.8	50	41
ULCER DRUGS	601,740	1,143	50.5	12,084	0.8	65	50
ANALGESICS - Narcotic	325,782	855	37.7	8,625	0.6	62	38
ANTIASTHMATIC	287,979	1,080	47.7	11,581	0.6	43	25
ANTINEOPLASTICS	237,654	128	5.7	1,298	0.5	348	183
ANTIDIABETIC	232,779	641	28.3	6,919	0.9	39	34
MUSCULOSKELETAL THERAPY AGENTS	212,641	302	13.3	3,465	1.0	63	61
ANTHYPERLIPIDEMIC	204,827	373	16.5	4,017	0.8	63	51
Total	5,948,056	8,796		95,305	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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 2003. A total of 3,213 beneficiaries who were in nursing facilities for part of their enrollment and their 32,824 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 2003. 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 2003 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispn.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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



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, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c, d</sup> NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	All Top 10 Drug Groups					ANTIPSYCHOTICS					ANTICONVULSANT						
	Number of Rx	Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$
<b>All</b>	<b>76,616</b>	<b>\$5,948,056</b>	<b>1,252</b>	<b>55.3 %</b>	<b>13,984</b>	<b>0.9</b>	<b>\$141</b>	<b>1,358</b>	<b>60.0 %</b>	<b>15,322</b>	<b>1.0</b>	<b>\$74</b>					
<b>Female</b>	46,783	3,491,713	788	57.6	8,808	0.9	133	785	57.3	8,845	1.0	71					
<b>Disabled</b>	32,623	2,694,764	480	69.2	5,592	0.9	162	576	83.0	6,637	1.0	82					
64 or younger	31,101	2,584,036	451	68.5	5,263	0.9	164	550	83.6	6,347	1.0	82					
65-74	1,516	110,680	29	87.9	329	0.9	131	26	78.8	290	0.9	81					
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0					
85 and older	6	48	0	0.0	0	0.0	0	0	0.0	0	0.0	0					
<b>Other Eligibles</b>	14,160	796,949	308	45.6	3,216	0.7	83	209	31.0	2,208	0.8	39					
64 or younger	253	13,625	1	8.3	12	0.1	7	6	50.0	57	1.0	81					
65-74	2,393	158,310	46	57.5	450	0.9	134	51	63.8	527	1.0	55					
75-84	5,651	333,795	114	50.2	1,212	0.8	92	94	41.4	1,004	0.8	38					
85 and older	5,863	291,219	147	41.3	1,542	0.6	61	58	16.3	620	0.6	22					
<b>Male</b>	29,833	2,456,343	464	51.8	5,176	0.9	156	573	64.0	6,477	1.0	78					
<b>Disabled</b>	24,300	2,102,813	353	54.5	4,025	0.9	169	490	75.6	5,611	1.0	83					
64 or younger	23,511	2,035,437	332	53.1	3,794	0.9	168	474	75.8	5,427	1.0	84					
65-74	736	62,248	19	95.0	207	1.2	194	15	75.0	172	1.1	50					
75-84	53	5,128	2	66.7	24	1.3	180	1	33.3	12	0.4	6					
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0					
<b>Other Eligibles</b>	5,533	353,530	111	44.8	1,151	0.8	108	83	33.5	866	0.9	48					
64 or younger	175	12,811	2	25.0	24	0.9	95	4	50.0	47	1.2	85					
65-74	1,663	111,199	36	76.6	425	0.9	119	29	61.7	302	0.8	42					
75-84	2,346	149,761	47	50.0	483	0.8	98	32	34.0	342	1.0	49					
85 and older	1,349	79,759	26	26.3	219	0.9	112	18	18.2	175	0.8	48					
<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 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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 2003. A total of 3,213 beneficiaries who were in nursing facilities for part of their enrollment and their 32,824 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 2003. 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 2003 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medspan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).
- Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Centers for Medicare & Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE 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, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c, d</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	ANTIDEPRESSANTS					ULCER DRUGS					ANALGESICS - Narcotic				
	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$
<b>All</b>	<b>1,664</b>	<b>73.5 %</b>	<b>18,010</b>	<b>0.8</b>	<b>\$41</b>	<b>1,143</b>	<b>50.5 %</b>	<b>12,084</b>	<b>0.8</b>	<b>\$50</b>	<b>855</b>	<b>37.7 %</b>	<b>8,625</b>	<b>0.6</b>	<b>\$38</b>
<b>Female</b>	1,096	80.1	11,942	0.8	40	694	50.7	7,315	0.8	47	560	40.9	5,753	0.6	29
<b>Disabled</b>	594	85.6	6,797	0.9	47	411	59.2	4,592	0.8	53	319	46.0	3,435	0.7	36
64 or younger	560	85.1	6,401	0.9	47	393	59.7	4,394	0.8	53	303	46.0	3,262	0.7	38
65-74	33	100.0	384	0.8	38	18	54.5	198	0.6	42	16	48.5	173	0.6	12
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	1	33.3	12	0.3	2	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Other Eligibles</b>	502	74.4	5,145	0.7	31	283	41.9	2,723	0.7	37	241	35.7	2,318	0.4	17
64 or younger	5	41.7	41	0.9	46	9	75.0	94	0.9	44	4	33.3	26	0.7	11
65-74	67	83.8	661	0.9	41	29	36.3	246	0.8	47	31	38.8	272	0.5	16
75-84	178	78.4	1,836	0.8	36	90	39.6	863	0.7	41	84	37.0	847	0.4	16
85 and older	252	70.8	2,607	0.7	25	155	43.5	1,520	0.7	33	122	34.3	1,173	0.4	18
<b>Male</b>	568	63.4	6,068	0.8	42	449	50.1	4,769	0.8	54	295	32.9	2,872	0.7	56
<b>Disabled</b>	400	61.7	4,396	0.9	45	352	54.3	3,863	0.8	55	213	32.9	2,120	0.8	69
64 or younger	381	61.0	4,205	0.9	46	341	54.6	3,760	0.8	56	202	32.3	2,064	0.8	69
65-74	16	80.0	165	0.9	30	11	55.0	103	0.5	21	9	45.0	52	0.7	69
75-84	3	100.0	26	0.5	26	0	0.0	0	0.0	0	2	66.7	4	0.8	8
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>	168	67.7	1,672	0.8	34	97	39.1	906	0.7	51	82	33.1	752	0.4	20
64 or younger	7	87.5	83	0.5	37	2	25.0	23	0.6	53	2	25.0	24	0.5	23
65-74	35	74.5	385	0.8	34	28	59.6	281	0.7	52	18	38.3	186	0.5	6
75-84	67	71.3	618	0.7	35	45	47.9	413	0.8	53	30	31.9	260	0.5	41
85 and older	59	59.6	586	0.8	33	22	22.2	189	0.7	44	32	32.3	282	0.3	9
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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 2003. A total of 3,213 beneficiaries who were in nursing facilities for part of their enrollment and their 32,824 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 2003. 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 2003 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispan.com/marketing/ContentPage.aspx?contentId=09e0ffed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY  
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BASIS OF ELIGIBILITY, AND AGE<sup>a, b, c, d</sup>  
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	ANTI-ASTHMATIC					ANTINEOPLASTICS					ANTI-DIABETIC				
	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$
<b>All</b>	<b>1,080</b>	<b>47.7 %</b>	<b>11,581</b>	<b>0.6</b>	<b>\$25</b>	<b>128</b>	<b>5.7 %</b>	<b>1,298</b>	<b>0.5</b>	<b>\$183</b>	<b>641</b>	<b>28.3 %</b>	<b>6,919</b>	<b>0.9</b>	<b>\$34</b>
<b>Female</b>	637	46.5	6,858	0.6	23	94	6.9	970	0.5	168	395	28.9	4,253	0.9	34
<b>Disabled</b>	422	60.8	4,776	0.6	27	47	6.8	538	0.6	258	228	32.9	2,568	0.9	40
64 or younger	401	60.9	4,546	0.6	27	44	6.7	502	0.6	271	211	32.1	2,383	0.9	41
65-74	21	63.6	230	0.5	17	3	9.1	36	0.4	81	17	51.5	185	1.0	35
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Other Eligibles</b>	215	31.9	2,082	0.4	16	47	7.0	432	0.5	57	167	24.7	1,685	0.8	25
64 or younger	3	25.0	31	0.2	11	1	8.3	1	1.0	144	0	0.0	0	0.0	0
65-74	17	21.3	166	0.3	13	9	11.3	74	0.3	17	34	42.5	322	0.9	37
75-84	68	30.0	656	0.6	22	15	6.6	149	0.6	86	76	33.5	808	0.8	28
85 and older	127	35.7	1,229	0.4	13	22	6.2	208	0.4	50	57	16.0	555	0.7	13
<b>Male</b>	443	49.4	4,723	0.6	27	34	3.8	328	0.5	227	246	27.5	2,666	0.8	33
<b>Disabled</b>	336	51.9	3,681	0.6	29	20	3.1	226	0.6	305	168	25.9	1,858	0.9	36
64 or younger	332	53.1	3,649	0.6	29	20	3.2	226	0.6	305	161	25.8	1,811	0.9	36
65-74	3	15.0	20	0.8	19	0	0.0	0	0.0	0	6	30.0	45	0.8	32
75-84	1	33.3	12	0.1	1	0	0.0	0	0.0	0	1	33.3	2	0.5	14
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>	107	43.1	1,042	0.5	19	14	5.6	102	0.4	53	78	31.5	808	0.8	27
64 or younger	1	12.5	12	0.2	2	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	26	55.3	247	0.6	22	3	6.4	23	0.3	33	20	42.6	231	0.7	17
75-84	48	51.1	482	0.4	19	3	3.2	21	0.6	53	34	36.2	354	0.9	35
85 and older	32	32.3	301	0.4	18	8	8.1	58	0.4	61	24	24.2	223	0.7	23
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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 2003. A total of 3,213 beneficiaries who were in nursing facilities for part of their enrollment and their 32,824 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 2003. 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 2003 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).
- Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Centers for Medicare & Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE 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, BASIS OF ELIGIBILITY, AND AGE<sup>b, c, d</sup> NONDUAL BENEFICIARIES, MASSACHUSETTS, 2003

Beneficiary Characteristics	MUSCULOSKELETAL THERAPY AGENTS					ANTIHYPERLIPIDEMIC						
	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	All-Year Nursing Facility Residents	Benefit Months Among All-Year Nursing Facility Residents
<b>All</b>	<b>302</b>	<b>13.3 %</b>	<b>3,465</b>	<b>1.0</b>	<b>\$61</b>	<b>373</b>	<b>16.5 %</b>	<b>4,017</b>	<b>0.8</b>	<b>\$51</b>	<b>2,265</b>	<b>23,579</b>
<b>Female</b>	169	12.3	1,916	1.0	56	233	17.0	2,503	0.8	52	1,369	14,151
<b>Disabled</b>	147	21.2	1,678	1.0	60	139	20.0	1,571	0.8	59	694	7,730
64 or younger	146	22.2	1,666	1.0	60	131	19.9	1,478	0.8	59	658	7,354
65-74	1	3.0	12	1.0	35	7	21.2	81	0.8	67	33	346
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	1	33.3	12	0.2	2	3	30
<b>Other Eligibles</b>	22	3.3	238	0.8	29	94	13.9	932	0.8	40	675	6,421
64 or younger	3	25.0	36	1.4	60	0	0.0	0	0.0	0	12	96
65-74	8	10.0	86	1.1	41	14	17.5	126	0.8	56	80	757
75-84	6	2.6	59	0.6	7	47	20.7	450	0.8	42	227	2,178
85 and older	5	1.4	57	0.3	15	33	9.3	356	0.7	32	356	3,390
<b>Male</b>	133	14.8	1,549	1.0	68	140	15.6	1,514	0.8	50	896	9,428
<b>Disabled</b>	127	19.6	1,487	1.0	69	98	15.1	1,107	0.8	51	648	7,074
64 or younger	127	20.3	1,487	1.0	69	96	15.4	1,083	0.8	51	625	6,856
65-74	0	0.0	0	0.0	0	2	10.0	24	0.8	47	20	192
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	3	26
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
<b>Other Eligibles</b>	6	2.4	62	0.9	47	42	16.9	407	0.8	47	248	2,354
64 or younger	2	25.0	23	1.1	75	0	0.0	0	0.0	0	8	85
65-74	3	6.4	27	0.9	42	12	25.5	132	0.9	59	47	487
75-84	1	1.1	12	0.3	3	22	23.4	218	0.8	40	94	876
85 and older	0	0.0	0	0.0	0	8	8.1	57	0.7	45	99	906
<b>Unknown</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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 2003. A total of 3,213 beneficiaries who were in nursing facilities for part of their enrollment and their 32,824 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 2003. 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 2003 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, <http://www.medispan.com/marketing/ContentPage.aspx?contentId=09e0f1ed-80a9-4a87-8bc9-ad778d7b6615> (October 26, 2007).

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

TABLE ND.11  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 AMONG NONDUALS, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 MASSACHUSETTS, 2003

Beneficiary Characteristics	Number of Beneficiaries with at Least One Part D Excluded Rx		Percentage of Beneficiaries with at Least One Part D Excluded Rx	Number of Part D Excluded Rx per Beneficiary	Total Number Part D Excluded Rx		Total Part D Excluded Rx \$	\$ per Part D Excluded Rx	Part D Excluded Rx \$ as a Percentage of All Nondual Rx \$		Total Number of Beneficiaries	
	D Excluded Rx	99,964			16.6 %	0.8			482,741	\$12		\$7,327,364
<b>Age</b>												
5 and younger	16,609		15.0	0.3	35,072	3	375,385	11	3.5	110,799		
6-14	12,359		8.3	0.2	30,570	5	691,113	23	1.8	148,393		
15-20	7,238		8.5	0.3	22,118	8	693,530	31	2.1	85,564		
21-44	33,419		19.5	1.1	182,956	15	2,488,849	14	2.0	170,964		
45-64	27,439		36.6	2.6	197,888	39	2,884,734	15	2.1	74,904		
65-74	1,692		23.9	1.1	7,748	16	114,628	15	2.0	7,089		
75-84	829		23.8	1.2	4,197	15	52,774	13	1.7	3,479		
85 and older	379		26.3	1.5	2,192	18	26,351	12	1.9	1,442		
Unknown	0		0.0	0.0	0	0	0	0	0.0	1		
<b>Basis of Eligibility<sup>c</sup></b>												
Aged	2,496		22.6	1.0	11,508	14	154,014	13	1.8	11,025		
Disabled	44,627		36.6	2.7	326,158	43	5,219,499	16	2.1	121,893		
Adults	22,820		14.1	0.5	85,095	7	1,079,994	13	2.0	162,049		
Children	30,021		9.8	0.2	59,980	3	873,857	15	1.9	307,668		
Unknown	0		0.0	0.0	0	0	0	0	0.0	0		
<b>Gender</b>												
Female	64,674		18.7	0.9	323,079	14	4,764,610	15	2.3	345,645		
Male	35,290		13.7	0.6	159,662	10	2,562,754	16	1.6	256,990		
Unknown	0		0.0	0.0	0	0	0	0	0.0	0		
<b>Race</b>												
White	62,781		20.4	1.2	375,021	19	5,891,835	16	2.1	308,430		
African American	9,256		13.3	0.5	32,562	6	401,473	12	1.3	69,553		
Other/unknown	27,927		12.4	0.3	75,158	5	1,034,056	14	1.9	224,652		
<b>Use of Nursing Facilities<sup>d</sup></b>												
Entire year	1,114		49.2	5.1	11,524	104	235,361	20	2.8	2,265		
Part year	2,070		64.4	5.9	18,849	113	363,560	19	3.0	3,213		
None	96,780		16.2	0.8	452,368	11	6,728,443	15	2.0	597,157		
<b>Maintenance Assistance Status</b>												
Cash	46,540		27.4	1.8	298,577	27	4,608,137	15	2.1	169,792		
Medically needy	1,844		25.3	1.3	9,333	18	133,436	14	2.0	7,275		
Poverty related	28,925		11.0	0.3	87,045	5	1,350,103	16	1.9	263,753		
Other/unknown	22,655		14.0	0.5	87,786	8	1,235,688	14	1.9	161,815		

Table ND11

Nondual Beneficiaries

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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 2003.
- b. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.
- c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.

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

TABLE 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, 2003

Beneficiary Characteristics	Number Rx per Benefit Month	Rx \$ per Benefit Month	\$ per Rx	Barbiturate \$ per Benefit Month	Benzodiazepine \$ per Benefit Month	Number of Benefit Months
All	0.1	\$1	\$15	\$0	\$1	5,048,462
<b>Age</b>						
5 and younger	0.0	0	11	0	0	787,622
6-14	0.0	1	23	0	0	1,288,168
15-20	0.0	1	31	0	0	718,746
21-44	0.1	2	14	0	1	1,404,402
45-64	0.3	4	15	0	3	731,404
65-74	0.1	2	15	0	1	71,176
75-84	0.1	2	13	0	1	34,217
85 and older	0.2	2	12	0	1	12,717
Unknown	0.0	0	0	0	0	10
<b>Basis of Eligibility<sup>c</sup></b>						
Aged	0.1	1	13	0	0	107,977
Disabled	0.3	4	16	0	3	1,280,523
Adults	0.1	1	13	0	1	1,222,467
Children	0.0	0	15	0	0	2,437,495
Unknown	0.0	0	0	0	0	0
<b>Gender</b>						
Female	0.1	2	15	0	1	2,889,915
Male	0.1	1	16	0	1	2,158,547
Unknown	0.0	0	0	0	0	0
<b>Race</b>						
White	0.1	2	16	0	1	2,795,112
African American	0.1	1	12	0	0	558,105
Other/unknown	0.0	1	14	0	0	1,695,245
<b>Use of Nursing Facilities<sup>d</sup></b>						
Entire year	0.5	10	20	1	6	23,579
Part year	0.6	11	19	0	5	32,824
None	0.1	1	15	0	1	4,992,059
<b>Maintenance Assistance Status</b>						
Cash	0.2	3	15	0	2	1,601,930
Medically needy	0.1	2	14	0	1	72,958
Poverty related	0.0	1	16	0	0	2,096,097
Other/unknown	0.1	1	14	0	1	1,277,477

Table ND12

Nondual Beneficiaries

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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 2003.
- b. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.
- c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.

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



TABLE 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, 2003

Drug Category	Number of Users	Rx \$ per User	Total Rx \$	Rx \$ as a Percentage of All Part D		Total Number Rx.	\$ per Rx	Number Rx as a Percentage of All Part D	
				Excluded Rx \$	100.0 %			Excluded Rx	100.0 %
<b>All</b>	<b>119,868</b>	<b>\$61</b>	<b>\$7,327,364</b>	<b>100.0 %</b>	<b>482,741</b>	<b>\$15</b>	<b>100.0 %</b>	<b>100.0 %</b>	
Anorexia or weight loss/gain	1	161	161	0.0	1	161	0.0	0.0	
Fertility drugs	2	212	423	0.0	2	212	0.0	0.0	
Drugs for cosmetic purposes	515	10	5,248	0.1	732	7	0.2	0.2	
Cough and cold medications	8,354	51	428,344	5.8	13,772	31	2.9	2.9	
Vitamins and minerals	14,787	55	806,222	11.0	46,211	17	9.6	9.6	
Non-prescription drugs	43,657	14	602,496	8.2	111,729	5	23.1	23.1	
Barbiturates	1,356	48	65,519	0.9	11,459	6	2.4	2.4	
Benzodiazepines	42,525	95	4,055,657	55.3	266,564	15	55.2	55.2	
Other Part D Excl Rx Drugs	8,671	157	1,363,294	18.6	32,271	42	6.7	6.7	

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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 2003. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2003. 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 = Centers for Medicare & 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, 2003

Beneficiary Characteristics	Number of Beneficiaries					Number of Benefit Months					
	All	Aged	Disabled	Adults	Unknown	All	Aged	Disabled	Adults	Unknown	
<b>All</b>	<b>822,338</b>	<b>11,026</b>	<b>135,361</b>	<b>228,080</b>	<b>0</b>	<b>8,219,147</b>	<b>108,113</b>	<b>1,506,351</b>	<b>2,190,689</b>	<b>4,413,994</b>	<b>0</b>
<b>Age</b>											
5 and younger	165,950	0	4,610	1	161,339	1,571,188	0	49,224	9	1,521,955	0
6-14	211,280	0	13,698	1	197,581	2,192,451	0	156,440	9	2,036,002	0
15-20	114,506	0	10,678	15,051	88,777	1,117,450	0	118,896	143,312	855,242	0
21-44	229,867	0	47,484	182,210	173	2,282,339	0	528,221	1,753,324	794	0
45-64	88,717	0	57,995	30,721	1	937,235	0	644,006	293,228	1	0
65-74	7,096	6,216	793	87	0	71,540	62,351	8,441	748	0	0
75-84	3,479	3,401	71	7	0	34,217	33,370	802	45	0	0
85 and older	1,442	1,408	32	2	0	12,717	12,382	321	14	0	0
Unknown	1	1	0	0	0	10	10	0	0	0	0
<b>Gender</b>											
Female	476,078	7,086	71,543	175,492	221,957	4,788,533	69,362	806,845	1,719,290	2,193,036	0
Male	346,260	3,940	63,818	52,588	225,914	3,430,614	38,751	699,506	471,399	2,220,958	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Race</b>											
White	393,178	4,922	106,125	102,311	179,820	4,042,968	49,156	1,196,725	994,856	1,802,231	0
African American	104,701	1,267	13,305	28,135	61,994	1,061,270	12,867	148,908	272,877	626,618	0
Other/unknown	324,459	4,837	15,931	97,634	206,057	3,114,909	46,090	160,718	922,956	1,985,145	0
<b>Use of Nursing Facilities<sup>c</sup></b>											
Entire year	2,266	903	1,343	10	10	23,595	8,594	14,818	78	105	0
Part year	3,229	511	2,532	118	68	34,128	4,501	27,723	1,235	669	0
None	816,843	9,612	131,486	227,952	447,793	8,161,424	95,018	1,463,810	2,189,376	4,413,220	0
<b>Maintenance Assistance Status</b>											
Cash	224,846	1,088	101,850	47,174	74,734	2,459,402	11,763	1,169,755	467,036	810,848	0
Medically needy	7,503	4,048	3,455	0	0	76,339	43,262	33,077	0	0	0
Poverty related	366,392	851	21,119	0	344,422	3,536,419	8,077	213,576	0	3,314,766	0
Other/unknown	223,597	5,039	8,937	180,906	28,715	2,146,987	45,011	89,943	1,723,653	288,380	0
<b>Managed Care (MC) Status</b>											
Fee-for-service (FFS) all year	455,405	10,979	109,583	113,045	221,798	4,470,546	107,629	1,213,954	1,038,146	2,110,817	0
FFS part year, with Rx claims	63,776	33	9,450	23,089	31,204	679,541	365	107,916	240,932	330,328	0
FFS part year, no Rx claims	83,454	13	2,860	25,915	54,666	763,196	107	29,283	228,646	505,160	0
MC all year, with Rx claims	9,736	0	1,033	3,193	5,510	102,242	0	12,022	35,215	55,005	0
MC all year, no Rx claims	209,967	1	12,435	62,838	134,693	2,203,622	12	143,176	647,750	1,412,684	0

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

- 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 = Centers for Medicare & 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, 2003

	Beneficiaries and			Excluded from Cell K of Table 1	
	Benefit Months in Cell J of Table 1 Number of Beneficiaries	Benefit Months in Cell K of Table 1 Number of Beneficiaries	Benefit Months in Cell L of Table 1 Number of Beneficiaries	Benefit Months in Cell M of Table 1 Number of Beneficiaries	Benefit Months in Cell N of Table 1 Number of Beneficiaries
<b>All</b>	<b>822,338</b>	<b>8,219,147</b>	<b>602,635</b>	<b>5,048,462</b>	<b>3,170,685</b>
Fee-for-service (FFS) all year	455,405	4,470,546	455,405	4,470,546	0
FFS part year, with Rx claims	63,776	679,541	63,776	334,005	345,536
FFS part year, with no Rx claims	83,454	763,196	83,454	243,911	519,285
Managed care (MC) all year, with Rx claims	9,736	102,242	0	0	102,242
MC all year, with no Rx claims	209,967	2,203,622	0	0	2,203,622

Source: Data for this table are from the MAX 2003 file for Massachusetts, released by CMS in 05/2007. This table was produced on 11/01/2007.

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

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