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**STATISTICAL COMPENDIUM:
MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 2006
MASSACHUSETTS**

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TABLE ND.2
CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY^{a, b}
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	Number of Beneficiaries						Number of Benefit Months					
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown
All	636,557	9,171	115,701	235,872	275,813	0	5,021,285	94,593	1,224,767	1,703,307	1,998,618	0
Age												
5 and younger	100,049	2	3,446	0	96,601	0	628,192	3	32,521	0	595,668	0
6-14	127,296	2	11,280	1	116,013	0	1,038,207	12	123,638	8	914,549	0
15-20	88,755	0	10,874	14,706	63,175	0	703,714	0	116,000	99,410	488,304	0
21-44	203,465	0	37,420	166,023	22	0	1,561,483	0	394,745	1,166,647	91	0
45-64	107,748	7	52,681	55,058	2	0	994,754	43	557,863	436,842	6	0
65-74	4,924	4,840	0	84	0	0	50,977	50,577	0	400	0	0
75-84	2,795	2,795	0	0	0	0	29,901	29,901	0	0	0	0
85 and older	1,525	1,525	0	0	0	0	14,057	14,057	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Gender												
Female	339,457	5,993	58,576	139,115	135,773	0	2,675,745	62,041	628,149	1,004,660	980,895	0
Male	297,100	3,178	57,125	96,757	140,040	0	2,345,540	32,552	596,618	698,647	1,017,723	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Race												
White	260,248	3,344	80,420	85,788	90,696	0	2,262,426	34,746	874,283	644,492	708,905	0
African American	60,550	1,088	10,271	21,827	27,364	0	465,980	11,869	110,222	151,397	192,492	0
Other/unknown	315,759	4,739	25,010	128,257	157,753	0	2,292,879	47,978	240,262	907,418	1,097,221	0
Use of Nursing Facilities^c												
Entire year	2,420	1,085	1,323	6	6	0	25,238	10,666	14,472	43	57	0
Part year	3,266	599	2,477	119	71	0	32,761	5,490	25,724	1,025	522	0
None	630,871	7,487	111,901	235,747	275,736	0	4,963,286	78,437	1,184,571	1,702,239	1,998,039	0
Maintenance Assistance Status												
Cash	144,506	1,723	87,326	25,123	30,334	0	1,351,750	18,819	962,988	159,928	210,015	0
Medically needy	5,950	3,173	2,777	0	0	0	62,013	36,301	25,712	0	0	0
Poverty-related	243,695	2,887	17,362	0	223,446	0	1,791,104	26,785	158,051	0	1,606,268	0
Other/unknown	242,406	1,388	8,236	210,749	22,033	0	1,816,418	12,688	78,016	1,543,379	182,335	0
Managed Care (MC) Status												
Fee-for-service (FFS) all year	473,924	9,080	106,333	178,867	179,644	0	4,422,883	93,995	1,175,350	1,500,602	1,652,936	0
FFS part year, with Rx claims	63,027	65	6,208	24,892	31,862	0	317,586	447	38,697	118,059	160,383	0
FFS part year, no Rx claims	99,606	26	3,160	32,113	64,307	0	280,816	151	10,720	84,646	185,299	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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.

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

TABLE ND.3
ANNUAL MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC^{a, b}
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	Percentage with at Least One Rx	Mean Number of Rx	Mean Rx \$	\$ per Rx	Mean \$, All Medicaid FFS \$ ^c	Rx \$ as a Percentage of All Medicaid		Number of Beneficiaries
						FFS \$ ^c	FFS \$ ^d	
All	55.0	9.4	\$660	\$70	\$5,160		12.8	636,557
Age								
5 and younger	44.0	2.1	92	43	4,006		2.3	100,049
6-14	47.6	4.4	330	76	3,002		11.0	127,296
15-20	51.2	5.4	564	105	4,033		14.0	88,755
21-44	57.9	9.4	670	71	5,195		12.9	203,465
45-64	70.6	24.7	1,625	66	8,958		18.1	107,748
65-74	68.3	19.6	918	47	9,327		9.8	4,924
75-84	64.8	19.1	794	42	13,638		5.8	2,795
85 and older	60.8	16.6	498	30	24,766		2.0	1,525
Unknown	0.0	0.0	0	0	0		0.0	0
Basis of Eligibility^e								
Aged	66.2	19.1	816	43	13,262		6.2	9,171
Disabled	80.7	29.5	2,440	83	15,022		16.2	115,701
Adults	53.7	6.8	348	51	2,740		12.7	235,872
Children	44.9	2.9	174	60	2,823		6.2	275,813
Unknown	0.0	0.0	0	0	0		0.0	0
Gender								
Female	58.8	10.6	644	61	5,078		12.7	339,457
Male	50.6	8.0	678	84	5,254		12.9	297,100
Unknown	0.0	0.0	0	0	0		0.0	0
Race								
White	64.3	14.7	1,085	74	7,172		15.1	260,248
African American	49.9	7.5	542	72	5,502		9.8	60,550
Other/unknown	48.3	5.5	332	61	3,436		9.7	315,759
Use of Nursing Facilities^f								
Entire year	81.4	59.6	3,718	62	82,319		4.5	2,420
Part year	89.4	53.6	3,787	71	67,640		5.6	3,266
None	54.7	9.0	632	70	4,541		13.9	630,871
Maintenance Assistance Status								
Cash	69.8	20.9	1,622	78	10,780		15.0	144,506
Medically needy	70.6	20.8	1,161	56	11,239		10.3	5,950
Poverty related	47.5	4.6	298	65	3,648		8.2	243,695
Other/unknown	53.3	7.2	438	61	3,181		13.8	242,406

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 ten states (DE, IA, IL, NC, NE, NY, TN, 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 ten states (DE, IA, IL, NC, NE, NY, TN, 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^{a, b}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	Mean Number of Rx	Mean Rx \$	Number of Rx, Percentage with:							Mean \$, All Medicaid FFS \$ ^d	Number	
			Rx \$ as a Percentage of All Medicaid FFS \$ ^c	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		Beneficiaries	Benefit Months
All	1.2	\$84	12.8	45.0	35.7	7.2	8.5	3.1	0.6	\$654	636,557	5,021,285
Age												
5 and younger	0.3	15	2.3	56.0	39.8	2.8	1.2	0.2	0.0	638	100,049	628,192
6-14	0.5	41	11.0	52.4	38.5	4.6	3.8	0.6	0.0	368	127,296	1,038,207
15-20	0.7	71	14.0	48.8	39.5	5.8	4.8	1.0	0.1	509	88,755	703,714
21-44	1.2	87	12.9	42.1	36.2	9.0	9.5	2.8	0.4	677	203,465	1,561,483
45-64	2.7	176	18.1	29.4	24.8	11.6	21.0	10.9	2.3	970	107,748	994,754
65-74	1.9	89	9.8	31.7	29.2	11.5	18.9	7.1	1.5	901	4,924	50,977
75-84	1.8	74	5.8	35.2	28.8	10.1	17.1	7.3	1.6	1,275	2,795	29,901
85 and older	1.8	54	2.0	39.2	29.1	8.0	14.2	7.3	2.2	2,687	1,525	14,057
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Basis of Eligibility^e												
Aged	1.8	79	6.2	33.8	29.2	10.5	17.6	7.3	1.6	1,286	9,171	94,593
Disabled	2.8	231	16.2	19.3	28.3	12.9	24.2	12.7	2.7	1,419	115,701	1,224,767
Adults	0.9	48	12.7	46.3	35.8	8.4	7.7	1.6	0.2	380	235,872	1,703,307
Children	0.4	24	6.2	55.1	38.9	3.6	2.2	0.3	0.0	390	275,813	1,998,618
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Gender												
Female	1.3	82	12.7	41.2	37.3	7.8	9.3	3.7	0.7	644	339,457	2,675,745
Male	1.0	86	12.9	49.4	33.9	6.4	7.4	2.5	0.4	666	297,100	2,345,540
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Race												
White	1.7	125	15.1	35.7	35.7	9.3	12.8	5.4	1.1	825	260,248	2,262,426
African American	1.0	70	9.8	50.1	34.7	5.9	6.5	2.4	0.4	715	60,550	465,980
Other/unknown	0.8	46	9.7	51.7	35.8	5.6	5.2	1.4	0.2	473	315,759	2,292,879
Use of Nursing Facilities^f												
Entire year	5.7	357	4.5	18.6	14.8	5.3	16.6	26.4	18.3	7,893	2,420	25,238
Part year	5.3	378	5.6	10.6	16.5	9.7	23.5	26.6	13.1	6,743	3,266	32,761
None	1.1	80	13.9	45.3	35.9	7.1	8.3	2.9	0.4	577	630,871	4,963,286
Maintenance Assistance Status												
Cash	2.2	173	15.0	30.2	32.7	10.1	16.7	8.6	1.8	1,152	144,506	1,351,750
Medically needy	2.0	111	10.3	29.4	28.8	12.3	20.6	7.8	1.1	1,078	5,950	62,013
Poverty related	0.6	41	8.2	52.5	38.0	4.4	3.9	1.0	0.1	496	243,695	1,791,104
Other/unknown	1.0	58	13.8	46.7	35.3	8.1	7.8	1.8	0.2	425	242,406	1,816,418

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 ten states (DE, IA, IL, NC, NE, NY, TN, 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 ten states (DE, IA, IL, NC, NE, NY, TN, 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^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	All Rx			Patented Brand-Name Drugs			Off-Patent Brand-Name Drugs			Generic Drugs		
	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx	Number of Rx	Rx \$	\$ per Rx
All	1.2	\$84	\$70	0.4	\$65	\$177	0.0	\$2	\$93	0.8	\$17	\$21
Age												
5 and younger	0.3	15	43	0.1	11	141	0.0	1	47	0.3	3	13
6-14	0.5	41	76	0.2	34	145	0.0	1	72	0.3	6	20
15-20	0.7	71	105	0.3	61	236	0.0	1	86	0.4	9	22
21-44	1.2	87	71	0.3	67	196	0.0	2	103	0.9	19	21
45-64	2.7	176	66	0.8	132	168	0.0	4	104	1.8	40	22
65-74	1.9	89	47	0.6	66	105	0.0	2	79	1.2	20	16
75-84	1.8	74	42	0.6	56	93	0.0	2	57	1.2	17	15
85 and older	1.8	54	30	0.5	37	70	0.0	2	42	1.2	15	12
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Basis of Eligibility^d												
Aged	1.8	79	43	0.6	59	97	0.0	2	65	1.2	18	15
Disabled	2.8	231	83	0.9	183	204	0.0	5	105	1.8	43	23
Adults	0.9	48	51	0.2	34	144	0.0	1	91	0.7	13	18
Children	0.4	24	60	0.1	19	133	0.0	1	64	0.3	5	18
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Gender												
Female	1.3	82	61	0.4	61	155	0.0	2	98	0.9	19	20
Male	1.0	86	84	0.3	70	206	0.0	1	86	0.7	15	23
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Race												
White	1.7	125	74	0.5	97	185	0.0	3	100	1.1	25	22
African American	1.0	70	72	0.3	56	191	0.0	1	82	0.7	13	20
Other/unknown	0.8	46	61	0.2	35	154	0.0	1	82	0.5	10	19
Use of Nursing Facilities^e												
Entire year	5.7	357	62	1.7	267	157	0.2	10	67	3.8	79	21
Part year	5.3	378	71	1.5	281	183	0.1	11	107	3.7	85	23
None	1.1	80	70	0.4	62	177	0.0	2	94	0.8	16	21
Maintenance Assistance Status												
Cash	2.2	173	78	0.7	135	192	0.0	4	105	1.5	34	23
Medically needy	2.0	111	56	0.7	87	126	0.0	3	84	1.3	22	17
Poverty related	0.6	41	65	0.2	32	151	0.0	1	78	0.4	8	20
Other/unknown	1.0	58	61	0.3	44	170	0.0	1	86	0.7	13	19

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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, 0.3 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/master-drug-database.aspx>.

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^{a, b, c, d}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Therapeutic Category	Number of Rx per Benefit Month Among Users				\$ per Benefit Month Among Users				\$ per Rx				Users ^e				
	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	Total Number of Rx	Total Rx \$	Number of Users	As a Percentage of All Benes	Number of Benefit Months
Anti-infective Agents	0.3	0.1	0.0	0.2	\$30	\$25	\$0	\$5	\$111	\$402	\$50	\$25	539,665	\$59,818,213	193,726	30.4	1,988,684
Biologicals	0.2	0.2	0.0	0.0	132	131	0	0	732	760	0	34	4,439	3,248,811	2,384	0.4	24,700
Antineoplastic Agents	0.5	0.2	0.0	0.4	181	159	0	21	340	919	477	60	17,983	6,120,451	3,278	0.5	33,889
Endocrine/Metabolic Drugs	0.6	0.2	0.0	0.4	29	20	1	8	48	101	61	20	585,990	27,948,870	96,160	15.1	972,827
Cardiovascular Agents	1.1	0.3	0.0	0.8	35	26	0	9	33	80	35	12	947,514	30,860,870	83,468	13.1	878,796
Respiratory Agents	0.5	0.2	0.0	0.2	29	25	0	4	64	108	59	18	460,783	29,396,493	96,224	15.1	998,807
Gastrointestinal Agents	0.4	0.2	0.0	0.2	27	21	3	4	69	133	356	16	237,506	16,503,626	57,048	9.0	605,956
Genitourinary Agents	0.3	0.1	0.0	0.1	14	8	3	3	55	85	76	25	60,595	3,309,735	22,105	3.5	232,119
CNS Drugs	1.0	0.3	0.0	0.7	87	67	2	17	87	221	97	26	1,240,033	108,131,735	119,206	18.7	1,246,514
Stimulants/Anti-obesity/Anorexia	0.7	0.5	0.0	0.2	60	54	0	6	91	107	163	38	165,922	15,166,221	24,025	3.8	252,253
Miscellaneous Psychological/Neurological Agents	0.3	0.2	0.0	0.1	74	70	0	4	279	346	0	69	21,474	5,998,098	7,461	1.2	81,049
Analgesics and Anesthetics	0.5	0.1	0.0	0.5	19	9	0	9	37	176	192	21	733,839	27,304,243	141,365	22.2	1,454,688
Neuromuscular Agents	0.7	0.3	0.0	0.4	56	44	1	11	80	163	87	26	494,695	39,621,916	66,088	10.4	707,862
Nutritional Products	0.3	0.0	0.0	0.2	4	1	0	2	13	33	11	10	94,404	1,191,093	34,317	5.4	328,695
Hematological Agents	0.6	0.1	0.0	0.4	208	198	0	9	362	1,521	38	21	82,454	29,844,833	13,577	2.1	143,665
Topical Products	0.2	0.0	0.0	0.2	8	5	0	4	35	97	55	19	276,350	9,754,113	111,885	17.6	1,159,522
Miscellaneous Products	0.2	0.1	0.0	0.1	54	45	3	6	236	303	316	87	23,317	5,503,411	9,808	1.5	102,505
Unknown Therapeutic Category	0.2	0.0	0.0	0.0	9	0	0	0	45	0	0	0	6,317	283,862	2,880	0.5	31,630
TOTAL NO. OF RX AND RX \$	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	5,993,280	420,006,594	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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.medi-span.com/master-drug-database.aspx>.

d. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. In Massachusetts, 0.3 percent of drug claims have missing values for brand status. Thus, the sum of the three groups in this table may be smaller than all prescriptions combined.

For information about this classification method, see Wolters Kluwer Health, <http://www.medi-span.com/master-drug-database.aspx>.

e. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2006.

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.

Nondual Medicaid Beneficiaries

TABLE ND.7
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Top 10 Drug Groups	Users			Among Users				
	Total Medicaid Rx \$	Number of Users	As a Percentage of All Beneficiaries	Number of Benefit Months	Number of Rx per Benefit Month	\$ per Rx	Rx \$ per Benefit Month	
ANTIPSYCHOTICS	\$79,407,553	59,942	9.4	659,287	0.6	\$213	\$120	
ANTIVIRAL	44,213,077	16,622	2.6	179,740	0.5	494	246	
ANTICONVULSANT	36,974,478	53,080	8.3	582,332	0.7	97	63	
ANTIDEPRESSANTS	24,244,113	119,189	18.7	1,280,399	0.5	40	19	
ANTIASTHMATIC	22,644,626	110,462	17.4	1,173,773	0.3	66	19	
MISC. HEMATOLOGICAL	21,776,607	3,204	0.5	34,392	0.6	1,143	633	
ANTIHYPERTENSIVE	17,434,019	35,638	5.6	387,920	0.6	80	45	
ANALGESICS - Narcotic	16,672,882	139,595	21.9	1,482,393	0.3	36	11	
STIMULANTS/ANTI-OBESITY/ANOREXIANTS	15,020,143	26,021	4.1	279,447	0.6	91	54	
ANTIDIABETIC	14,035,848	36,633	5.8	392,019	0.6	58	36	
Total	292,423,346	600,386	n.a.	6,451,702	n.a.	n.a.	n.a.	

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006. 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 2006. For information about these drug groups, see Wolters Kluwer Health, <http://www.medi-span.com/master-drug-database.aspx>.

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

Nondual Medicaid Beneficiaries

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^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	All Top 10 Drug Groups			ANTIPSYCHOTICS					ANTIVIRAL				
	Number of Rx	Rx \$	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	
All	2,893,233	\$292,423,346	59,942	9.4	659,287	0.6	\$120	16,622	2.6	179,740	0.5	\$246	
Female													
All Females	1,639,393	139,347,908	31,537	9.3	347,943	0.5	109	9,132	2.7	99,131	0.4	177	
Female, Disabled													
All Ages	1,039,643	99,020,933	20,917	35.7	238,805	0.6	128	4,273	7.3	49,249	0.5	256	
5 and younger	3,303	228,020	18	1.3	192	0.5	99	12	0.9	144	0.3	38	
6-14	29,232	3,322,356	739	20.8	8,451	0.7	135	110	3.1	1,266	0.4	167	
15-20	35,954	4,248,843	1,175	28.9	13,300	0.6	125	190	4.7	2,208	0.4	163	
21-44	301,938	32,773,213	8,594	45.1	97,708	0.5	114	1,798	9.4	20,613	0.5	259	
45-64	669,216	58,448,501	10,391	34.1	119,154	0.6	139	2,163	7.1	25,018	0.5	266	
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
Female, Other Eligibles													
All Ages	599,750	40,326,975	10,620	3.8	109,138	0.4	69	4,859	1.7	49,882	0.3	99	
5 and younger	12,783	731,973	62	0.1	674	0.3	60	114	0.2	1,090	0.2	9	
6-14	65,142	5,376,038	1,119	2.0	12,202	0.6	113	274	0.5	2,912	0.2	50	
15-20	68,118	5,823,599	1,938	4.7	20,347	0.5	93	656	1.6	6,725	0.2	61	
21-44	278,870	17,150,070	5,636	5.5	57,008	0.3	51	2,990	2.9	30,503	0.3	96	
45-64	135,427	8,829,215	1,390	5.0	13,981	0.4	67	745	2.7	7,751	0.4	177	
65-74	23,217	1,542,266	190	6.1	2,122	0.7	111	44	1.4	486	0.2	105	
75-84	10,382	622,306	125	7.0	1,280	0.5	63	23	1.3	264	0.3	98	
85 and older	5,811	251,508	160	14.3	1,524	0.6	44	13	1.2	151	0.1	8	
Male													
All Males	1,253,840	153,075,438	28,405	9.6	311,344	0.6	133	7,490	2.5	80,609	0.6	331	
Male, Disabled													
All Ages	751,859	105,298,952	18,682	32.7	212,335	0.7	150	4,211	7.4	47,451	0.6	363	
5 and younger	5,900	461,677	65	3.1	748	0.5	84	17	0.8	194	0.2	8	
6-14	78,156	10,117,617	2,449	31.7	28,303	0.7	141	134	1.7	1,578	0.4	122	
15-20	58,770	20,482,406	2,056	30.2	23,540	0.7	152	132	1.9	1,529	0.5	206	
21-44	223,569	32,137,484	7,672	41.8	86,714	0.6	148	1,568	8.5	17,472	0.6	349	
45-64	385,464	42,099,768	6,440	29.0	73,030	0.7	156	2,360	10.6	26,678	0.7	399	
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	

Nondual Medicaid Beneficiaries

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^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	All Top 10 Drug Groups					ANTIPSYCHOTICS					ANTIVIRAL	
	Number of Rx	Rx \$	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month
Male, Other Eligibles												
All Ages	501,981	47,776,486	9,723	4.1	99,009	0.5	97	3,279	1.4	33,158	0.5	285
5 and younger	21,160	1,886,501	93	0.2	991	0.4	75	137	0.3	1,251	0.2	14
6-14	123,198	12,120,203	2,365	4.0	25,612	0.6	126	259	0.4	2,750	0.3	83
15-20	73,549	8,059,509	2,120	5.7	22,362	0.6	132	211	0.6	2,249	0.3	98
21-44	154,678	14,144,867	3,830	5.9	36,833	0.3	62	1,598	2.5	15,893	0.6	310
45-64	110,405	10,242,208	1,089	4.0	10,789	0.4	77	1,023	3.8	10,434	0.7	383
65-74	11,661	868,415	123	6.9	1,355	0.7	125	30	1.7	348	0.3	104
75-84	6,165	401,796	74	7.3	806	0.7	100	18	1.8	207	0.1	42
85 and older	1,165	52,987	29	7.1	261	0.5	50	3	0.7	26	0.1	3
Unknown	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006. 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 2006. For information about these drug groups, see Wolters Kluwer Health, <http://www.medi-span.com/master-drug-database.aspx>.

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.

Nondual Medicaid Beneficiaries

TABLE ND.7B
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BASIS OF ELIGIBILITY, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	ANTICONVULSANT					ANTIDEPRESSANTS					ANTIASTHMATIC				
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month
All	53,080	8.3	582,332	0.7	\$64	119,189	18.7	1,280,399	0.5	\$19	110,462	17.4	1,173,773	0.3	\$19
Female															
All Females	30,927	9.1	339,759	0.6	60	76,280	22.5	823,393	0.5	20	63,123	18.6	676,785	0.3	20
Female, Disabled															
All Ages	19,983	34.1	228,448	0.7	67	40,547	69.2	462,196	0.5	23	26,452	45.2	303,904	0.4	27
5 and younger	191	13.9	2,158	0.6	49	6	0.4	62	0.4	3	537	38.9	6,078	0.3	15
6-14	971	27.3	11,188	0.7	90	552	15.5	6,331	0.5	13	1,425	40.1	16,552	0.3	22
15-20	1,160	28.6	13,372	0.7	95	1,342	33.0	15,242	0.5	19	1,213	29.9	14,049	0.3	20
21-44	7,787	40.8	88,590	0.7	74	14,016	73.5	158,734	0.5	21	7,446	39.0	85,213	0.3	21
45-64	9,874	32.4	113,140	0.7	56	24,631	80.7	281,827	0.6	25	15,831	51.9	182,012	0.4	31
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
Female, Other Eligibles															
All Ages	10,944	3.9	111,311	0.5	47	35,733	12.7	361,197	0.4	15	36,671	13.1	372,881	0.2	14
5 and younger	131	0.3	1,327	0.3	40	40	0.1	413	0.3	5	5,548	11.8	54,596	0.2	11
6-14	999	1.7	10,754	0.6	72	1,680	2.9	17,981	0.5	11	8,611	15.1	89,939	0.2	13
15-20	1,653	4.0	17,433	0.6	79	4,199	10.3	43,441	0.4	13	5,232	12.8	53,337	0.2	11
21-44	6,081	6.0	60,726	0.5	38	20,849	20.5	209,741	0.4	15	12,005	11.8	121,219	0.3	14
45-64	1,741	6.2	17,402	0.6	37	7,758	27.7	76,526	0.5	19	4,379	15.7	44,000	0.3	22
65-74	186	5.9	2,046	0.6	43	629	20.1	6,991	0.4	14	487	15.6	5,276	0.4	29
75-84	93	5.2	1,013	0.5	22	284	15.9	3,187	0.5	13	238	13.3	2,752	0.4	28
85 and older	60	5.4	610	0.6	19	294	26.3	2,917	0.5	11	171	15.3	1,762	0.3	18
Male															
All Males	22,153	7.5	242,573	0.7	68	42,909	14.4	457,006	0.5	18	47,339	15.9	496,988	0.3	18
Male, Disabled															
All Ages	14,464	25.3	164,946	0.7	75	22,936	40.2	258,833	0.5	20	15,265	26.7	174,048	0.4	25
5 and younger	220	10.6	2,466	0.6	56	21	1.0	239	0.4	6	1,053	50.9	11,839	0.3	16
6-14	1,848	23.9	21,324	0.7	80	1,422	18.4	16,502	0.6	13	2,916	37.8	33,944	0.3	18
15-20	1,631	23.9	18,811	0.8	104	1,680	24.7	19,257	0.5	21	1,485	21.8	17,129	0.3	17
21-44	5,472	29.8	62,166	0.7	79	8,331	45.4	93,258	0.5	20	3,157	17.2	35,991	0.3	23
45-64	5,293	23.9	60,179	0.7	60	11,482	51.8	129,577	0.5	21	6,654	30.0	75,145	0.4	32
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Nondual Medicaid Beneficiaries

TABLE ND.7B
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BASIS OF ELIGIBILITY, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	ANTICONVULSANT					ANTIDEPRESSANTS					ANTIASTHMATIC				
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month
Male, Other Eligibles															
All Ages	7,689	3.2	77,627	0.5	53	19,973	8.3	198,173	0.4	14	32,074	13.4	322,940	0.3	15
5 and younger	220	0.4	2,209	0.4	60	62	0.1	645	0.3	4	8,337	16.8	81,747	0.2	13
6-14	1,511	2.6	16,363	0.6	70	2,519	4.3	27,156	0.5	14	11,719	19.9	121,957	0.2	14
15-20	1,439	3.9	15,257	0.6	84	3,098	8.4	32,417	0.5	16	4,232	11.4	43,909	0.2	13
21-44	3,068	4.8	29,342	0.5	35	9,193	14.3	87,785	0.3	13	4,674	7.3	44,479	0.3	17
45-64	1,248	4.6	12,261	0.5	36	4,619	17.0	44,992	0.4	16	2,659	9.8	26,011	0.3	23
65-74	124	6.9	1,339	0.7	43	276	15.4	2,995	0.5	13	249	13.9	2,619	0.4	32
75-84	60	5.9	652	0.7	49	139	13.8	1,549	0.6	10	164	16.2	1,810	0.4	27
85 and older	19	4.7	204	0.5	14	67	16.4	634	0.4	8	40	9.8	408	0.3	22
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006. 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 2006. For information about these drug groups, see Wolters Kluwer Health, <http://www.medi-span.com/master-drug-database.aspx>.

Benef(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.

Nondual Medicaid Beneficiaries

TABLE ND.7C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BASIS OF ELIGIBILITY, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	MISC. HEMATOLOGICAL					ANTHYPERLIPIDEMIC					ANALGESICS - Narcotic				
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month
All	3,204	0.5	34,392	0.6	\$633	35,638	5.6	387,920	0.6	\$45	139,595	21.9	1,482,393	0.3	\$11
Female															
All Females	1,456	0.4	15,990	0.5	101	20,050	5.9	221,471	0.6	45	85,523	25.2	919,041	0.3	10
Female, Disabled															
All Ages	1,018	1.7	11,520	0.6	120	12,810	21.9	147,229	0.6	47	35,329	60.3	404,193	0.4	14
5 and younger	1	0.1	12	0.2	2	1	0.1	12	1.0	12	70	5.1	794	0.1	1
6-14	1	0.0	12	1.3	17	8	0.2	87	0.3	17	298	8.4	3,469	0.1	1
15-20	3	0.1	36	0.4	32	31	0.8	325	0.5	30	849	20.9	9,750	0.2	3
21-44	84	0.4	928	0.6	826	1,541	8.1	17,866	0.5	38	13,111	68.7	149,729	0.3	12
45-64	929	3.0	10,532	0.6	58	11,229	36.8	128,939	0.6	49	21,001	68.8	240,451	0.4	16
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
Female, Other Eligibles															
All Ages	438	0.2	4,470	0.5	51	7,240	2.6	74,242	0.5	40	50,194	17.9	514,848	0.2	6
5 and younger	0	0.0	0	0.0	0	1	0.0	12	0.1	2	525	1.1	5,435	0.1	1
6-14	6	0.0	68	0.3	22	19	0.0	216	0.4	29	1,572	2.7	16,788	0.1	1
15-20	0	0.0	0	0.0	0	38	0.1	390	0.4	32	5,510	13.5	56,592	0.1	2
21-44	64	0.1	615	0.4	40	1,639	1.6	16,690	0.4	31	33,389	32.8	341,470	0.3	7
45-64	178	0.6	1,685	0.5	58	3,905	14.0	38,505	0.5	42	8,084	28.9	82,460	0.3	8
65-74	90	2.9	1,031	0.5	55	1,051	33.6	11,817	0.5	43	645	20.6	7,160	0.2	5
75-84	53	3.0	574	0.5	48	464	26.0	5,322	0.6	44	285	16.0	3,232	0.2	5
85 and older	47	4.2	497	0.6	42	123	11.0	1,290	0.6	38	184	16.5	1,711	0.3	7
Male															
All Males	1,748	0.6	18,402	0.6	1,096	15,588	5.2	166,449	0.6	45	54,072	18.2	563,352	0.3	14
Male, Disabled															
All Ages	1,096	1.9	12,126	0.6	1,475	8,664	15.2	98,231	0.6	48	22,503	39.4	252,409	0.4	18
5 and younger	2	0.1	15	0.7	2,232	3	0.1	36	0.3	4	128	6.2	1,469	0.1	1
6-14	9	0.1	105	0.9	12,682	20	0.3	234	0.5	22	562	7.3	6,583	0.1	1
15-20	16	0.2	192	1.0	66,955	51	0.7	582	0.5	30	1,062	15.6	12,194	0.2	2
21-44	124	0.7	1,379	0.5	1,742	1,612	8.8	18,451	0.6	42	8,138	44.4	90,827	0.3	16
45-64	945	4.3	10,435	0.6	121	6,978	31.5	78,928	0.6	50	12,613	56.9	141,336	0.5	22
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Nondual Medicaid Beneficiaries

TABLE ND.7C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BASIS OF ELIGIBILITY, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	MISC. HEMATOLOGICAL					ANTHYPERLIPIDEMIC					ANALGESICS - Narcotic				
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month
Male, Other Eligibles															
All Ages	652	0.3	6,276	0.5	364	6,924	2.9	68,218	0.5	41	31,569	13.2	310,943	0.3	11
5 and younger	5	0.0	52	0.8	10,270	2	0.0	16	0.3	24	918	1.9	9,593	0.1	1
6-14	7	0.0	67	0.7	14,907	55	0.1	538	0.4	26	1,912	3.3	20,802	0.1	1
15-20	11	0.0	102	0.6	3,437	65	0.2	611	0.4	29	3,449	9.3	35,189	0.1	2
21-44	112	0.2	1,063	0.5	111	2,014	3.1	19,495	0.5	34	17,795	27.6	170,053	0.3	14
45-64	391	1.4	3,565	0.5	56	4,005	14.8	38,786	0.5	43	6,975	25.7	69,722	0.3	11
65-74	78	4.3	867	0.5	59	503	28.0	5,613	0.5	45	331	18.5	3,599	0.3	8
75-84	41	4.1	476	0.7	65	244	24.2	2,751	0.6	44	139	13.8	1,510	0.2	4
85 and older	7	1.7	84	0.5	37	36	8.8	408	0.4	30	50	12.3	475	0.2	3
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006. 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 2006. For information about these drug groups, see Wolters Kluwer Health, <http://www.medi-span.com/master-drug-database.aspx>.

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.

Nondual Medicaid Beneficiaries

TABLE ND.7D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	STIMULANTS/ANTI-OBESITY/ANOREXIANTS					ANTIDIABETIC						
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Beneficiaries	Number of Benefit Months
All	26,021	4.1	279,447	0.6	\$54	36,633	5.8	392,019	0.6	\$36	636,557	5,021,285
Female												
All Females	8,866	2.6	95,745	0.6	51	21,621	6.4	234,748	0.6	36	339,457	2,675,745
Female, Disabled												
All Ages	2,725	4.7	31,082	0.6	53	13,723	23.4	156,346	0.6	39	58,576	628,149
5 and younger	16	1.2	180	0.5	39	2	0.1	24	0.1	8	1,379	12,903
6-14	753	21.2	8,563	0.6	57	71	2.0	801	0.5	40	3,558	39,076
15-20	478	11.8	5,510	0.6	53	147	3.6	1,645	0.6	44	4,063	43,049
21-44	796	4.2	9,019	0.6	52	2,145	11.2	24,560	0.6	37	19,072	204,421
45-64	682	2.2	7,810	0.6	51	11,358	37.2	129,316	0.7	39	30,504	328,700
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
Female, Other Eligibles												
All Ages	6,141	2.2	64,663	0.5	49	7,898	2.8	78,402	0.6	30	280,881	2,047,596
5 and younger	86	0.2	947	0.4	25	24	0.1	230	0.7	50	47,108	289,067
6-14	2,864	5.0	30,550	0.6	51	242	0.4	2,443	0.7	62	57,207	450,454
15-20	1,555	3.8	16,609	0.5	48	305	0.7	3,029	0.6	47	40,913	303,804
21-44	1,308	1.3	13,231	0.5	48	2,403	2.4	23,210	0.5	29	101,657	719,626
45-64	312	1.1	3,188	0.6	55	3,324	11.9	31,726	0.6	29	27,964	222,426
65-74	8	0.3	67	0.4	28	1,063	34.0	11,850	0.6	27	3,130	32,919
75-84	3	0.2	28	0.5	11	407	22.8	4,579	0.6	22	1,785	19,050
85 and older	5	0.4	43	0.6	12	130	11.6	1,335	0.6	20	1,117	10,250
Male												
All Males	17,155	5.8	183,702	0.6	56	15,012	5.1	157,271	0.6	36	297,100	2,345,540
Male, Disabled												
All Ages	5,415	9.5	61,891	0.6	57	8,437	14.8	94,737	0.7	38	57,125	596,618
5 and younger	98	4.7	1,030	0.4	29	10	0.5	113	0.7	57	2,067	19,618
6-14	2,980	38.6	34,239	0.6	58	80	1.0	929	0.8	68	7,722	84,562
15-20	1,385	20.3	15,998	0.6	61	127	1.9	1,429	0.7	49	6,811	72,951
21-44	673	3.7	7,546	0.6	49	1,446	7.9	16,222	0.6	37	18,348	190,324
45-64	279	1.3	3,078	0.6	48	6,774	30.5	76,044	0.7	38	22,177	229,163
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0

Nondual Medicaid Beneficiaries

TABLE ND.7D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY, BY SEX, BASIS OF ELIGIBILITY, AND AGE^a, b, c
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	STIMULANTS/ANTI-OBESITY/ANOREXIANTS						ANTIDIABETIC					
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit per Month	Mean Rx \$ per Benefit	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Number of Rx per Benefit per Month	Mean Rx \$ per Benefit	Number of Beneficiaries	Number of Benefit Months
Male, Other Eligibles												
All Ages	11,740	4.9	121,811	0.6	55	6,575	2.7	62,534	0.6	33	239,975	1,748,922
5 and younger	250	0.5	2,521	0.3	28	26	0.1	261	0.6	58	49,495	306,604
6-14	7,500	12.8	78,080	0.6	54	223	0.4	2,121	0.7	59	58,809	464,115
15-20	3,056	8.3	32,229	0.6	60	205	0.6	2,020	0.7	66	36,968	283,910
21-44	734	1.1	6,951	0.5	43	2,089	3.2	19,359	0.6	31	64,388	447,112
45-64	194	0.7	1,967	0.5	51	3,369	12.4	31,462	0.6	30	27,103	214,465
65-74	2	0.1	15	0.4	10	429	23.9	4,676	0.6	33	1,794	18,058
75-84	3	0.3	36	0.9	33	201	19.9	2,279	0.6	25	1,010	10,851
85 and older	1	0.2	12	0.3	4	33	8.1	356	0.6	18	408	3,807
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006. 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 2006. For information about these drug groups, see Wolters Kluwer Health, <http://www.medi-span.com/master-drug-database.aspx>.

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.

Nondual Medicaid Beneficiaries

TABLE ND.8
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BENEFICIARY CHARACTERISTIC^{a, b}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

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
All	\$357	5.7	2,420	25,238
Age				
0-64	526	7.4	1,335	14,572
65-74	287	5.3	198	2,045
75-84	138	3.6	329	3,252
85 and older	57	2.5	558	5,369
Unknown	0	0.0	0	0
Gender				
Female	337	5.7	1,435	14,792
Male	385	5.8	985	10,446
Unknown	0	0.0	0	0
Race				
White	393	6	1,521	16,441
African American	455	6.6	152	1,676
Other/unknown	250	4.8	747	7,121
Basis of Eligibility^c				
Aged	126	3.3	1,085	10,666
Disabled	529	7.5	1,323	14,472
Adults	56	2.0	6	43
Children	116	2.2	6	57
Unknown	0	0.0	0	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

a. Table ND.8 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their 2006 Medicaid enrollment. A total of 3,266 beneficiaries who were in nursing facilities for part of their enrollment and their 32,761 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.

Nondual Medicaid Beneficiaries

TABLE ND.9
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d, e}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

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	Generic	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	Total	Patented Brand-Name	Off-Patent Brand-Name	Generic	Total Number of Rx	Total Rx \$	Number of Users	As a Percentage of All-Year Nursing Facility Residents	Number of Benefit Months
Anti-infective Agents	0.5	0.2	0.0	0.3	\$51	\$42	\$0	\$9	\$100	\$217	\$85	\$29	6,420	\$639,979	1,138	47.0	12,546
Biologicals	0.1	0.0	0.0	0.1	11	8	0	3	111	638	0	31	23	2,542	21	0.9	235
Antineoplastic Agents	0.6	0.1	0.0	0.5	79	43	0	36	127	340	0	73	527	67,192	89	3.7	847
Endocrine/Metabolic Drugs	1.2	0.4	0.0	0.7	44	32	3	9	38	82	73	12	10,621	404,827	847	35.0	9,181
Cardiovascular Agents	1.9	0.5	0.0	1.4	48	31	1	17	26	68	30	12	23,226	600,277	1,158	47.9	12,473
Respiratory Agents	1.0	0.6	0.0	0.4	71	65	1	6	75	115	46	15	6,828	509,577	652	26.9	7,145
Gastrointestinal Agents	1.1	0.4	0.0	0.8	55	43	1	12	48	122	56	15	14,288	688,373	1,137	47.0	12,464
Genitourinary Agents	0.6	0.3	0.1	0.3	34	21	5	8	56	74	80	29	2,398	133,302	350	14.5	3,949
CNS Drugs	1.9	0.6	0.1	1.3	163	132	6	25	86	232	90	20	31,379	2,706,062	1,534	63.4	16,577
Stimulants/Anti-obesity/Anorexia	0.5	0.1	0.0	0.4	16	7	0	9	31	116	18	20	196	6,097	37	1.5	384
Miscellaneous Psychological/Neurological Agents	0.9	0.9	0.0	0.0	219	219	0	0	251	251	0	0	2,185	548,408	232	9.6	2,509
Analgesics and Anesthetics	0.9	0.1	0.0	0.7	41	16	0	25	48	113	74	34	7,033	335,794	773	31.9	8,139
Neuromuscular Agents	1.6	0.5	0.0	1.1	137	96	0	41	85	182	71	38	18,014	1,534,384	985	40.7	11,167
Nutritional Products	0.7	0.0	0.0	0.7	14	0	0	14	20	12	8	21	3,267	65,401	439	18.1	4,595
Hematological Agents	1.3	0.2	0.0	1.1	48	37	0	11	36	206	27	10	9,246	332,255	672	27.8	6,970
Topical Products	0.6	0.1	0.1	0.4	31	18	5	7	50	146	59	18	7,315	364,950	1,076	44.5	11,958
Miscellaneous Products	0.4	0.1	0.0	0.3	32	16	0	16	71	123	0	49	647	46,082	135	5.6	1,438
Unknown Therapeutic Category	0.4	0.0	0.0	0.0	9	0	0	0	22	0	0	0	574	12,556	125	5.2	1,380
TOTAL NO. OF RX AND RX \$	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	144,187	8,998,058	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.
 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 2006. A total of 3,266 beneficiaries who were in nursing facilities for part of their enrollment and their 32,761 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 2006. 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/master-drug-database.aspx>.
 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/master-drug-database.aspx>.
 In Massachusetts, 0.3 percent of drug claims have missing values for brand status. Thus, the sum of the three groups in this table may be smaller than all prescriptions combined.
 Bene Mo(s) = benefit month(s); CMS = Centers for Medicare & Medicaid Services; CNS = Central Nervous System; MAX = Medicaid Analytic Extract; n.a. = not applicable; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE ND.10
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,
 BY TOP-10 DRUG GROUP^{a, b, c, d}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

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	\$2,216,564	1,096	45.3	12,169	0.9	\$195	\$182	
ANTICONVULSANT	1,261,744	1,129	46.7	12,875	1.0	96	98	
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	548,261	282	11.7	3,041	0.7	251	180	
ULCER DRUGS	509,728	1,069	44.2	11,862	0.6	70	43	
ANTIDEPRESSANTS	431,764	1,562	64.5	17,154	0.8	32	25	
ANTIASTHMATIC	409,649	943	39.0	10,435	0.6	71	39	
ANTIDIABETIC	314,706	740	30.6	7,983	0.9	44	39	
ANTIVIRAL	308,696	167	6.9	1,892	0.4	392	163	
ANTIHYPERTENSIVE	306,975	509	21.0	5,564	0.8	69	55	
ANALGESICS - Narcotic	201,068	779	32.2	8,039	0.6	42	25	
Total	6,509,155	8,276	n.a.	91,014	n.a.	n.a.	n.a.	

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006. A total of 3,266 beneficiaries who were in nursing facilities for part of their enrollment and their 32,761 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 2006. 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 2006 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/master-drug-database.aspx>.

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; n.a. = not applicable.

Nondual Medicaid Beneficiaries

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^{a, b, c, d}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

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 \$	
All	70,534	\$6,509,155	1,096	45.3	12,169	0.9	\$182	1,129	46.7	12,875	1.0	\$98	
Female													
All Females	40,384	3,629,843	650	45.3	7,191	0.9	167	576	40.1	6,564	1.0	97	
Female, Disabled													
All Ages	30,052	3,071,354	448	68.8	5,010	1.0	202	465	71.4	5,375	1.1	109	
64 or younger	30,052	3,071,354	448	68.8	5,010	1.0	202	465	71.4	5,375	1.1	109	
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
Female, Other Eligibles													
All Ages	10,332	558,489	202	25.8	2,181	0.7	86	111	14.2	1,189	0.7	41	
64 or younger	44	4,468	0	0.0	0	0.0	0	3	50.0	36	0.8	74	
65-74	3,314	243,023	59	50.9	655	1.0	158	45	38.8	466	0.8	56	
75-84	2,928	167,439	52	23.3	551	0.7	88	29	13.0	319	0.7	41	
85 and older	4,046	143,559	91	20.7	975	0.6	37	34	7.7	368	0.7	20	
Male													
All Males	30,150	2,879,312	446	45.3	4,978	1.0	204	553	56.1	6,311	1.0	99	
Male, Disabled													
All Ages	24,949	2,517,695	345	51.3	3,863	1.0	219	475	70.7	5,462	1.1	107	
64 or younger	24,949	2,517,695	345	51.3	3,863	1.0	219	475	70.7	5,462	1.1	107	
65-74	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
75-84	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
85 and older	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	
Male, Other Eligibles													
All Ages	5,201	361,617	101	32.3	1,115	0.9	151	78	24.9	849	0.8	50	
64 or younger	31	460	0	0.0	0	0.0	0	3	50.0	29	0.3	7	
65-74	2,468	203,813	41	50.0	480	1.0	201	38	46.3	416	0.9	67	
75-84	2,099	136,137	47	44.3	518	0.8	122	27	25.5	295	0.8	44	
85 and older	603	21,207	13	10.9	117	0.7	69	10	8.4	109	0.6	17	
Unknown	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006. A total of 3,266 beneficiaries who were in nursing facilities for part of their enrollment and their 32,761 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 2006. 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 2006 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/master-drug-database.aspx>.

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^{a, b, c, d}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL					ULCER DRUGS					ANTIDEPRESSANTS				
	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 \$
All	282	11.7	3,041	0.7	\$180	1,069	44.2	11,862	0.6	\$43	1,562	64.5	17,154	0.8	\$25
Female															
All Females	202	14.1	2,190	0.7	179	615	42.9	6,802	0.6	41	941	65.6	10,259	0.8	28
Female, Disabled															
All Ages	60	9.2	670	0.8	470	425	65.3	4,799	0.7	51	586	90.0	6,513	0.9	34
64 or younger	60	9.2	670	0.8	470	425	65.3	4,799	0.7	51	586	90.0	6,513	0.9	34
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
Female, Other Eligibles															
All Ages	142	18.1	1,520	0.6	51	190	24.2	2,003	0.5	18	355	45.3	3,746	0.6	18
64 or younger	0	0.0	0	0.0	0	1	16.7	12	1.0	145	0	0.0	0	0.0	0
65-74	19	16.4	206	0.7	86	37	31.9	406	0.5	19	79	68.1	841	0.8	33
75-84	47	21.1	442	0.7	65	49	22.0	539	0.4	20	89	39.9	982	0.7	17
85 and older	76	17.3	872	0.6	36	103	23.5	1,046	0.5	15	187	42.6	1,923	0.6	12
Male															
All Males	80	8.1	851	0.8	184	454	46.1	5,060	0.6	45	621	63.0	6,895	0.8	21
Male, Disabled															
All Ages	49	7.3	545	0.8	236	360	53.6	4,050	0.7	51	467	69.5	5,214	0.8	23
64 or younger	49	7.3	545	0.8	236	360	53.6	4,050	0.7	51	467	69.5	5,214	0.8	23
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
Male, Other Eligibles															
All Ages	31	9.9	306	0.8	90	94	30.0	1,010	0.4	21	154	49.2	1,681	0.7	12
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	16.7	5	1.2	9
65-74	12	14.6	135	0.7	95	41	50.0	441	0.5	18	56	68.3	630	0.8	18
75-84	12	11.3	133	0.9	95	35	33.0	398	0.4	29	59	55.7	676	0.7	10
85 and older	7	5.9	38	0.8	56	18	15.1	171	0.3	9	38	31.9	370	0.4	7
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.
 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 2006. A total of 3,266 beneficiaries who were in nursing facilities for part of their enrollment and their 32,761 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 2006. 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 2006 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/master-drug-database.aspx>.
 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.10C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BASIS OF ELIGIBILITY, AND AGE^{a, b, c, d}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	ANTIASTHMATIC						ANTIDIABETIC						ANTIVIRAL					
	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 \$
		Residents	Among Users					Residents	Among Users					Residents	Among Users			
All	943	39.0	10,435	0.6	\$39	740	30.6	7,983	0.9	\$39	167	6.9	1,892	0.4	\$163			
Female																		
All Females	537	37.4	5,982	0.5	37	452	31.5	4,895	0.9	37	76	5.3	887	0.3	133			
Female, Disabled																		
All Ages	379	58.2	4,301	0.6	44	291	44.7	3,230	0.9	44	59	9.1	693	0.4	168			
64 or younger	379	58.2	4,301	0.6	44	291	44.7	3,230	0.9	44	59	9.1	693	0.4	168			
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
Female, Other Eligibles																		
All Ages	158	20.2	1,681	0.4	20	161	20.5	1,665	0.8	22	17	2.2	194	0.1	7			
64 or younger	1	16.7	12	0.1	0	0	0.0	0	0.0	0	1	16.7	12	0.1	4			
65-74	34	29.3	351	0.5	31	57	49.1	624	0.9	30	3	2.6	35	0.1	8			
75-84	37	16.6	417	0.5	32	49	22.0	515	0.7	22	4	1.8	44	0.1	10			
85 and older	86	19.6	901	0.3	10	55	12.5	526	0.6	13	9	2.1	103	0.1	5			
Male																		
All Males	406	41.2	4,453	0.6	42	288	29.2	3,088	0.9	44	91	9.2	1,005	0.5	190			
Male, Disabled																		
All Ages	328	48.8	3,687	0.6	44	215	32.0	2,330	1.0	48	79	11.8	874	0.5	218			
64 or younger	328	48.8	3,687	0.6	44	215	32.0	2,330	1.0	48	79	11.8	874	0.5	218			
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
Male, Other Eligibles																		
All Ages	78	24.9	766	0.5	30	73	23.3	758	0.8	33	12	3.8	131	0.1	6			
64 or younger	2	33.3	6	0.8	5	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
65-74	29	35.4	306	0.5	43	36	43.9	373	0.8	42	4	4.9	48	0.1	4			
75-84	43	40.6	416	0.5	23	26	24.5	279	0.8	25	6	5.7	69	0.1	8			
85 and older	4	3.4	38	0.2	11	11	9.2	106	0.9	20	2	1.7	14	0.1	3			
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.
 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 2006. A total of 3,266 beneficiaries who were in nursing facilities for part of their enrollment and their 32,761 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 2006. 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 2006 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/master-drug-database.aspx>.
 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^{a, b, c, d}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	ANTHYPERLIPIDEMIC					ANALGESICS - Narcotic					All-Year Nursing Facility Residents	Benefit Months Among All-Year Nursing Facility Residents
	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-Year Nursing Facility Residents	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$		
All	509	21.0	5,564	0.8	\$55	779	32.2	8,039	0.6	\$25	2,420	25,238
Female												
All Females	310	21.6	3,408	0.8	55	464	32.3	4,787	0.6	26	1,435	14,792
Female, Disabled												
All Ages	179	27.5	2,016	0.9	65	314	48.2	3,348	0.7	32	651	7,176
64 or younger	179	27.5	2,016	0.9	65	314	48.2	3,348	0.7	32	651	7,176
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
Female, Other Eligibles												
All Ages	131	16.7	1,392	0.7	40	150	19.1	1,439	0.4	10	784	7,616
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	6	62
65-74	43	37.1	475	0.7	46	31	26.7	282	0.7	33	116	1,170
75-84	46	20.6	491	0.7	45	40	17.9	412	0.4	6	223	2,129
85 and older	42	9.6	426	0.6	27	79	18.0	745	0.3	4	439	4,255
Male												
All Males	199	20.2	2,156	0.8	56	315	32.0	3,252	0.5	24	985	10,446
Male, Disabled												
All Ages	139	20.7	1,537	0.8	59	253	37.6	2,699	0.6	28	672	7,296
64 or younger	139	20.7	1,537	0.8	59	253	37.6	2,699	0.6	28	672	7,296
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
75-84	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
Male, Other Eligibles												
All Ages	60	19.2	619	0.8	48	62	19.8	553	0.3	6	313	3,150
64 or younger	0	0.0	0	0.0	0	4	66.7	12	1.0	15	6	38
65-74	30	36.6	322	0.8	54	18	22.0	156	0.4	6	82	875
75-84	23	21.7	232	0.8	46	23	21.7	233	0.3	7	106	1,123
85 and older	7	5.9	65	0.7	26	17	14.3	152	0.3	6	119	1,114
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.
 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 2006. A total of 3,266 beneficiaries who were in nursing facilities for part of their enrollment and their 32,761 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 2006. 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 2006 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/master-drug-database.aspx>.
 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^{a,b}
 MASSACHUSETTS, 2006

Beneficiary Characteristics	Number of Beneficiaries with at Least One Part D Excluded Rx	Percentage of Beneficiaries with at Least One Part D Excluded Rx	Number of Part D Excluded Rx per Beneficiary	Total Number Part D Excluded Rx	Part D Excluded Rx \$ per Beneficiary	Total Part D Excluded Rx \$	\$ per Part D Excluded Rx	Part D Excluded Rx \$ as a Percentage of All Nondual Rx \$	Total Number of Beneficiaries	
All	126,393	19.9	1.1	721,792	\$10	\$6,361,045	\$9	1.5	636,557	
Age										
5 and younger	14,221	14.2	0.3	32,857	3	265,575	8	2.9	100,049	
6-14	13,226	10.4	0.3	39,671	3	357,557	9	0.9	127,296	
15-20	9,984	11.2	0.4	33,928	4	326,196	10	0.7	88,755	
21-44	43,164	21.2	1.2	242,152	10	1,991,034	8	1.5	203,465	
45-64	42,349	39.3	3.2	349,856	30	3,221,320	9	1.8	107,748	
65-74	1,976	40.1	2.7	13,102	23	115,277	9	2.5	4,924	
75-84	1,009	36.1	2.6	7,205	22	60,129	8	2.7	2,795	
85 and older	464	30.4	2.0	3,021	16	23,957	8	3.2	1,525	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
Basis of Eligibility^c										
Aged	3,430	37.4	2.5	23,279	22	198,917	9	2.7	9,171	
Disabled	51,855	44.8	3.9	456,262	36	4,140,924	9	1.5	115,701	
Adults	41,142	17.4	0.7	171,682	6	1,464,783	9	1.8	235,872	
Children	29,966	10.9	0.3	70,569	2	556,421	8	1.2	275,813	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
Gender										
Female	77,301	22.8	1.4	461,405	12	3,982,412	9	1.8	339,457	
Male	49,092	16.5	0.9	260,387	8	2,378,633	9	1.2	297,100	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
Race										
White	65,418	25.1	1.8	473,596	16	4,114,656	9	1.5	260,248	
African American	11,131	18.4	0.9	54,228	8	492,987	9	1.5	60,550	
Other/unknown	49,844	15.8	0.6	193,968	6	1,753,402	9	1.7	315,759	
Use of Nursing Facilities^d										
Entire year	1,079	44.6	4.9	11,791	59	143,245	12	1.6	2,420	
Part year	2,187	67.0	6.7	21,912	69	226,686	10	1.8	3,266	
None	123,127	19.5	1.1	688,089	9	5,991,114	9	1.5	630,871	
Maintenance Assistance Status										
Cash	50,681	35.1	2.9	414,871	25	3,566,704	9	1.5	144,506	
Medically needy	2,149	36.1	2.5	15,149	26	156,704	10	2.3	5,950	
Poverty related	31,761	13.0	0.5	111,065	4	1,014,442	9	1.4	243,695	
Other/unknown	41,802	17.2	0.7	180,707	7	1,623,195	9	1.5	242,406	

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006.

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.

Nondual Medicaid Beneficiaries

TABLE ND.12
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
 AMONG NONDUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC^{a,b}
 MASSACHUSETTS, 2006

Beneficiary Characteristics	Number Rx per Benefit	Rx \$ per			Barbiturate \$ per Benefit	Benzodiazepine \$ per	Number of
	Month	Benefit Month	\$ per Rx	\$ per Rx	Month	Benefit Month	
All	0.1	\$1	\$9		\$0	\$0	5,021,285
Age							
5 and younger	0.1	0	8		0	0	628,192
6-14	0.0	0	9		0	0	1,038,207
15-20	0.0	0	10		0	0	703,714
21-44	0.2	1	8		0	0	1,561,483
45-64	0.4	3	9		0	1	994,754
65-74	0.3	2	9		0	0	50,977
75-84	0.2	2	8		0	0	29,901
85 and older	0.2	2	8		0	0	14,057
Unknown	0.0	0	0		0	0	0
Basis of Eligibility^c							
Aged	0.2	2	9		0	0	94,593
Disabled	0.4	3	9		0	1	1,224,767
Adults	0.1	1	9		0	0	1,703,307
Children	0.0	0	8		0	0	1,998,618
Unknown	0.0	0	0		0	0	0
Gender							
Female	0.2	1	9		0	0	2,675,745
Male	0.1	1	9		0	0	2,345,540
Unknown	0.0	0	0		0	0	0
Race							
White	0.2	2	9		0	1	2,262,426
African American	0.1	1	9		0	0	465,980
Other/unknown	0.1	1	9		0	0	2,292,879
Use of Nursing Facilities^d							
Entire year	0.5	6	12		0	1	25,238
Part year	0.7	7	10		0	2	32,761
None	0.1	1	9		0	0	4,963,286
Maintenance Assistance Status							
Cash	0.3	3	9		0	1	1,351,750
Medically needy	0.2	3	10		0	0	62,013
Poverty related	0.1	1	9		0	0	1,791,104
Other/unknown	0.1	1	9		0	0	1,816,418

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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 2006.

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.

TABLE ND.13
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D FOR SELECTED DRUG CATEGORIES AMONG NONDUALS^{a,b,c}
 MASSACHUSETTS, 2006

Drug Category	Number of Users	Rx \$ per User	Total Rx \$	Rx \$ as a		Total Number Rx.	\$ per Rx	Number Rx as a	
				Percentage of All Part D Excluded Rx \$	Percentage of All Part D Excluded Rx				
All	156,471	\$41	\$6,361,045	100.0		721,792	\$9	100.0	
Anorexia or weight loss/gain	0	0	0	0.0		0	0	0.0	
Fertility drugs	0	0	0	0.0		0	0	0.0	
Drugs for cosmetic purposes	553	9	5,059	0.1		780	6	0.1	
Cough and cold medications	3,359	49	165,843	2.6		6,031	27	0.8	
Vitamins and minerals	13,305	45	599,400	9.4		45,925	13	6.4	
Non-prescription drugs	83,147	40	3,291,205	51.7		346,524	9	48.0	
Barbiturates	1,229	53	65,606	1.0		9,885	7	1.4	
Benzodiazepines	48,277	36	1,736,441	27.3		288,796	6	40.0	
Other Part D Excl Rx Drugs	6,601	75	497,491	7.8		23,851	21	3.3	

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

a. Table ND.13 includes the beneficiaries represented by Cell K of Table 1. Beneficiaries include all non-dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2006. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2006. 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.

Nondual Medicaid Beneficiaries

APPENDIX TABLE A.1
 CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY^{a, b}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

Beneficiary Characteristics	Number of Beneficiaries						Number of Benefit Months					
	All	Aged	Blind/ Disabled	Adults	Children	Other/ Unknown	All	Aged	Blind/ Disabled	Adults	Children	Other/ Unknown
All	948,471	9,183	138,754	330,674	469,860	0	9,282,147	95,020	1,545,050	3,018,402	4,623,675	0
Age												
5 and younger	178,375	2	4,868	0	173,505	0	1,690,158	3	52,197	0	1,637,958	0
6-14	211,489	2	14,631	1	196,855	0	2,192,617	12	168,574	8	2,024,023	0
15-20	132,409	0	12,783	20,158	99,468	0	1,283,307	0	142,574	179,228	961,505	0
21-44	286,683	0	45,142	241,512	29	0	2,720,463	0	503,984	2,216,301	178	0
45-64	130,252	7	61,330	68,912	3	0	1,300,166	43	677,721	622,391	11	0
65-74	4,942	4,851	0	91	0	0	51,457	50,983	0	474	0	0
75-84	2,796	2,796	0	0	0	0	29,915	29,915	0	0	0	0
85 and older	1,525	1,525	0	0	0	0	14,064	14,064	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Gender												
Female	524,875	6,001	71,789	214,017	233,068	0	5,214,845	62,316	810,078	2,044,323	2,298,128	0
Male	423,596	3,182	66,965	116,657	236,792	0	4,067,302	32,704	734,972	974,079	2,325,547	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Race												
White	363,174	3,351	97,351	118,717	143,755	0	3,676,792	34,934	1,107,249	1,106,107	1,428,502	0
African American	98,854	1,089	12,739	32,988	52,038	0	984,999	11,931	143,924	304,465	524,679	0
Other/unknown	486,443	4,743	28,664	178,969	274,067	0	4,620,356	48,155	293,877	1,607,830	2,670,494	0
Use of Nursing Facilities^c												
Entire year	2,420	1,085	1,323	6	6	0	25,254	10,666	14,488	43	57	0
Part year	3,297	599	2,501	125	72	0	34,415	5,495	26,988	1,272	660	0
None	942,754	7,499	134,930	330,543	469,782	0	9,222,478	78,859	1,503,574	3,017,087	4,622,958	0
Maintenance Assistance Status												
Cash	213,278	1,729	107,297	40,678	63,574	0	2,324,684	18,991	1,235,906	391,634	678,153	0
Medically needy	6,315	3,173	3,142	0	0	0	66,778	36,308	30,470	0	0	0
Poverty related	390,759	2,892	19,689	0	368,178	0	3,782,623	26,867	193,525	0	3,562,231	0
Other/unknown	338,119	1,389	8,626	289,996	38,108	0	3,108,062	12,854	85,149	2,626,768	383,291	0
Managed Care (MC) Status												
Fee-for-service (FFS) all year	473,924	9,080	106,333	178,867	179,644	0	4,422,883	93,995	1,175,350	1,500,602	1,652,936	0
FFS part year, with Rx claims	63,027	65	6,208	24,892	31,862	0	647,903	719	70,164	248,074	328,946	0
FFS part year, no Rx claims	99,606	26	3,160	32,113	64,307	0	902,583	252	31,567	279,009	591,755	0
MC all year, with Rx claims	10,731	2	655	5,403	4,671	0	110,357	24	7,368	59,884	43,081	0
MC all year, no Rx claims	301,183	10	22,398	89,399	189,376	0	3,198,421	30	260,601	930,833	2,006,957	0

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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

APPENDIX TABLE A.2
 MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS^a
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2006

	Beneficiaries and		Included in Cell K of Table 1		Excluded from Cell K of Table 1	
	Benefit Months in Cell J of Table 1					
	Number of Beneficiaries	Number of Benefit Months	Number of Beneficiaries	Number of Benefit Months	Number of Beneficiaries	Number of Benefit Months
All	948,471	9,282,147	636,557	5,021,285	0	4,260,862
Fee-for-service (FFS) all year	473,924	4,422,883	473,924	4,422,883	0	0
FFS part year, with Rx claims	63,027	647,903	63,027	317,586	0	330,317
FFS part year, with no Rx claims	99,606	902,583	99,606	280,816	0	621,767
Managed care (MC) all year, with Rx claims	10,731	110,357	0	0	0	110,357
MC all year, with no Rx claims	301,183	3,198,421	0	0	0	3,198,421

Source: Data for this table are from the MAX 2006 file for Massachusetts, released by CMS in 9/2009. This table was produced on 02/11/2010.

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.

Nondual Medicaid Beneficiaries