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STATISTICAL COMPENDIUM:
MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT IN 2007
MASSACHUSETTS

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TABLE ND.2
CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY^{a, b}
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2007

Beneficiary Characteristics	Number of Beneficiaries						Number of Benefit Months					
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown
All	632,609	9,624	114,156	178,673	330,156	0	6,193,488	112,844	1,305,016	1,674,190	3,101,438	0
Age												
5 and younger	128,457	0	3,459	0	124,998	0	1,127,028	0	37,799	0	1,089,229	0
6-14	141,640	0	11,315	0	130,325	0	1,398,076	0	129,471	0	1,268,605	0
15-20	99,816	0	11,322	13,705	74,789	0	1,002,315	0	129,099	130,124	743,092	0
21-44	170,305	0	36,072	134,195	38	0	1,649,117	0	410,095	1,238,582	440	0
45-64	82,744	4	51,988	30,746	6	0	903,868	47	598,552	305,197	72	0
65-74	5,079	5,052	0	27	0	0	59,284	58,997	0	287	0	0
75-84	3,055	3,055	0	0	0	0	36,025	36,025	0	0	0	0
85 and older	1,513	1,513	0	0	0	0	17,775	17,775	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Gender												
Female	356,358	6,214	56,936	130,727	162,481	0	3,458,732	72,748	650,257	1,215,013	1,520,714	0
Male	276,251	3,410	57,220	47,946	167,675	0	2,734,756	40,096	654,759	459,177	1,580,724	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Race												
White	283,831	3,530	81,375	75,174	123,752	0	2,896,539	41,608	935,392	712,867	1,206,672	0
African American	73,236	1,357	11,603	20,272	40,004	0	690,447	15,588	131,951	183,587	359,321	0
Other/unknown	275,542	4,737	21,178	83,227	166,400	0	2,606,502	55,648	237,673	777,736	1,535,445	0
Use of Nursing Facilities^c												
Entire year	2,227	927	1,287	4	9	0	26,715	11,124	15,435	48	108	0
Part year	3,353	640	2,511	133	69	0	38,397	7,334	28,951	1,445	667	0
None	627,029	8,057	110,358	178,536	330,078	0	6,128,376	94,386	1,260,630	1,672,697	3,100,663	0
Maintenance Assistance Status												
Cash	146,604	1,669	86,461	26,652	31,822	0	1,572,667	19,439	993,853	258,521	300,854	0
Medically needy	4,111	1,343	2,768	0	0	0	46,605	15,768	30,837	0	0	0
Poverty-related	296,093	5,343	16,507	0	274,243	0	2,815,406	62,751	183,419	0	2,569,236	0
Other/unknown	185,801	1,269	8,420	152,021	24,091	0	1,758,810	14,886	96,907	1,415,669	231,348	0
Managed Care (MC) Status												
Fee-for-service (FFS) all year	393,192	9,102	102,213	96,823	185,054	0	4,718,304	109,224	1,226,556	1,161,876	2,220,648	0
FFS part year, with Rx claims	57,173	369	6,690	21,943	28,171	0	391,952	2,703	47,136	150,958	191,155	0
FFS part year, no Rx claims	100,093	109	2,975	30,974	66,035	0	585,832	631	16,797	187,563	380,841	0

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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^{a, b}
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2007

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 FFS \$ ^d	Number of Beneficiaries
All	48.7	8.7	\$606	\$70	\$5,167	11.7	632,609
Age							
5 and younger	35.1	1.6	70	42	3,619	1.9	128,457
6-14	41.8	3.9	298	77	2,906	10.3	141,640
15-20	45.3	4.8	404	84	3,798	10.6	99,816
21-44	54.1	9.5	721	76	5,682	12.7	170,305
45-64	72.6	29.4	1,947	66	11,211	17.4	82,744
65-74	69.0	22.7	975	43	9,148	10.7	5,079
75-84	61.4	20.3	753	37	11,630	6.5	3,055
85 and older	52.3	16.1	466	29	23,670	2.0	1,513
Unknown	0.0	0.0	0	0	0	0.0	0
Basis of Eligibility^e							
Aged	64.1	20.9	827	40	12,239	6.8	9,624
Disabled	80.1	30.1	2,429	81	15,618	15.6	114,156
Adults	48.1	5.8	271	47	2,658	10.2	178,673
Children	37.7	2.4	151	62	2,705	5.6	330,156
Unknown	0.0	0.0	0	0	0	0.0	0
Gender							
Female	51.3	9.5	579	61	4,943	11.7	356,358
Male	45.4	7.7	642	84	5,456	11.8	276,251
Unknown	0.0	0.0	0	0	0	0.0	0
Race							
White	58.9	13.6	990	73	7,045	14.1	283,831
African American	44.4	6.8	497	73	5,324	9.3	73,236
Other/unknown	39.3	4.1	239	59	3,191	7.5	275,542
Use of Nursing Facilities^f							
Entire year	77.1	62.3	4,143	67	90,656	4.6	2,227
Part year	88.0	55.4	3,866	70	68,540	5.6	3,353
None	48.4	8.2	576	70	4,524	12.7	627,029
Maintenance Assistance Status							
Cash	67.3	20.8	1,624	78	10,973	14.8	146,604
Medically needy	58.8	18.1	1,127	62	13,717	8.2	4,111
Poverty related	39.5	4.0	254	64	3,371	7.5	296,093
Other/unknown	48.4	6.4	353	56	3,259	10.8	185,801

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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

d. In eight states (DE, IA, IL, NE, NY, TN, TX, 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, 2007

Beneficiary Characteristics	Number of Rx, Percentage with:										Number	
	Mean Number of Rx	Mean Rx \$	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	Mean \$, All Medicaid FFS \$ ^d	Beneficiaries	Benefit Months
All	0.9	\$62	11.7	51.3	33.5	5.2	6.6	2.8	0.6	\$528	632,609	6,193,488
Age												
5 and younger	0.2	8	1.9	64.9	33.0	1.4	0.6	0.1	0.0	413	128,457	1,127,028
6-14	0.4	30	10.3	58.2	34.6	3.5	3.1	0.5	0.0	294	141,640	1,398,076
15-20	0.5	40	10.6	54.7	36.4	4.2	3.8	0.9	0.1	378	99,816	1,002,315
21-44	1.0	75	12.7	45.9	35.7	7.2	8.0	2.8	0.4	587	170,305	1,649,117
45-64	2.7	178	17.4	27.4	25.1	10.3	21.1	13.0	3.1	1,026	82,744	903,868
65-74	1.9	84	10.7	31.0	27.2	10.8	20.7	8.8	1.4	784	5,079	59,284
75-84	1.7	64	6.5	38.6	24.6	10.2	17.9	7.5	1.1	986	3,055	36,025
85 and older	1.4	40	2.0	47.7	25.3	6.9	13.0	5.9	1.3	2,015	1,513	17,775
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	71	6.8	35.9	26.1	10.0	18.7	8.0	1.3	1,044	9,624	112,844
Disabled	2.6	213	15.6	19.9	29.2	12.2	23.1	12.7	2.8	1,366	114,156	1,305,016
Adults	0.6	29	10.2	51.9	36.1	5.8	5.0	1.1	0.1	284	178,673	1,674,190
Children	0.3	16	5.6	62.3	33.7	2.3	1.5	0.2	0.0	288	330,156	3,101,438
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Gender												
Female	1.0	60	11.7	48.7	34.8	5.5	7.1	3.2	0.7	509	356,358	3,458,732
Male	0.8	65	11.8	54.6	31.8	4.7	6.1	2.4	0.4	551	276,251	2,734,756
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Race												
White	1.3	97	14.1	41.1	35.2	7.2	10.5	5.0	1.0	690	283,831	2,896,539
African American	0.7	53	9.3	55.6	32.3	4.4	5.1	2.1	0.4	565	73,236	690,447
Other/unknown	0.4	25	7.5	60.7	32.0	3.2	3.1	0.8	0.1	337	275,542	2,606,502
Use of Nursing Facilities^f												
Entire year	5.2	345	4.6	22.9	14.0	5.0	16.3	25.0	16.9	7,557	2,227	26,715
Part year	4.8	338	5.6	12.0	18.0	9.1	23.9	24.5	12.5	5,985	3,353	38,397
None	0.8	59	12.7	51.6	33.6	5.2	6.5	2.6	0.4	463	627,029	6,128,376
Maintenance Assistance Status												
Cash	1.9	151	14.8	32.7	32.2	9.0	15.7	8.5	1.9	1,023	146,604	1,572,667
Medically needy	1.6	99	8.2	41.2	24.8	10.1	16.0	7.1	0.8	1,210	4,111	46,605
Poverty related	0.4	27	7.5	60.5	32.7	2.9	2.9	0.9	0.1	355	296,093	2,815,406
Other/unknown	0.7	37	10.8	51.6	35.9	5.6	5.2	1.4	0.2	344	185,801	1,758,810

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

- 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 eight states (DE, IA, IL, NE, NY, TN, TX, and WV) the expenditures in this column include only Rx drug expenditures for those enrolled in capitated managed care plans, and not expenditures for other services covered by the plans or long-term-care services not covered by the plans. As a result, the amounts shown in this column for all Medicaid fee-for-service expenditures are lower than they would otherwise be.
 - d. In eight states (DE, IA, IL, NE, NY, TN, TX, 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, 2007

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	0.9	\$62	\$70	0.2	\$47	\$196	0.0	\$2	\$105	0.6	\$12	\$20
Age												
5 and younger	0.2	8	42	0.0	6	150	0.0	0	59	0.1	2	15
6-14	0.4	30	77	0.2	25	146	0.0	1	108	0.2	4	20
15-20	0.5	40	84	0.2	32	185	0.0	2	140	0.3	6	22
21-44	1.0	75	76	0.2	58	232	0.0	2	117	0.7	15	20
45-64	2.7	178	66	0.6	132	204	0.1	6	97	2.0	40	20
65-74	1.9	84	43	0.5	60	131	0.0	3	62	1.4	20	14
75-84	1.7	64	37	0.4	45	106	0.0	3	60	1.3	17	13
85 and older	1.4	40	29	0.3	28	80	0.0	2	46	1.0	11	11
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Basis of Eligibility^d												
Aged	1.8	71	40	0.4	50	117	0.0	3	59	1.3	18	13
Disabled	2.6	213	81	0.7	166	226	0.1	7	110	1.8	39	21
Adults	0.6	29	47	0.1	20	149	0.0	1	91	0.5	8	17
Children	0.3	16	62	0.1	12	140	0.0	1	111	0.2	3	19
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Gender												
Female	1.0	60	61	0.2	44	177	0.0	2	103	0.7	13	19
Male	0.8	65	84	0.2	52	221	0.0	2	108	0.5	11	21
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Race												
White	1.3	97	73	0.4	74	200	0.0	4	111	0.9	19	21
African American	0.7	53	73	0.2	41	212	0.0	2	99	0.5	10	19
Other/unknown	0.4	25	59	0.1	19	171	0.0	1	86	0.3	5	17
Use of Nursing Facilities^e												
Entire year	5.2	345	67	1.4	261	191	0.1	8	72	3.7	75	20
Part year	4.8	338	70	1.2	250	216	0.1	10	88	3.6	77	22
None	0.8	59	70	0.2	45	195	0.0	2	107	0.6	12	20
Maintenance Assistance Status												
Cash	1.9	151	78	0.5	117	221	0.0	5	114	1.4	29	21
Medically needy	1.6	99	62	0.5	78	164	0.0	3	77	1.1	18	17
Poverty related	0.4	27	64	0.1	21	161	0.0	1	102	0.3	5	19
Other/unknown	0.7	37	56	0.2	27	169	0.0	1	87	0.5	9	17

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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, 2007

Therapeutic Category	Number of Rx per Benefit Month												Total Rx		Users ^e		
	Among Users				\$ per Benefit Month Among Users				\$ per Rx				Total Number of Rx	Total Rx \$	Number of Users	As a Percentage of All Benes	Number of Benefit Months
	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					
Anti-infective Agents	0.2	0.0	0.0	0.2	\$26	\$22	\$0	\$4	\$109	\$458	\$180	\$23	463,108	\$50,546,968	169,362	26.8	1,913,271
Biologicals	0.2	0.2	0.0	0.0	138	138	0	0	843	843	0	0	4,197	3,539,348	2,220	0.4	25,561
Antineoplastic Agents	0.5	0.2	0.0	0.3	207	190	1	16	402	1,052	924	49	17,671	7,107,732	2,979	0.5	34,385
Endocrine/Metabolic Drugs	0.6	0.2	0.0	0.4	28	21	0	7	49	109	47	18	548,926	26,746,417	86,226	13.6	961,336
Cardiovascular Agents	1.1	0.1	0.0	0.9	24	12	2	10	22	92	51	11	874,872	19,461,412	70,785	11.2	815,633
Respiratory Agents	0.4	0.2	0.0	0.2	30	25	1	5	69	102	72	25	435,008	30,060,355	86,972	13.7	986,264
Gastrointestinal Agents	0.4	0.1	0.1	0.3	24	11	7	6	63	156	122	25	203,338	12,741,126	46,483	7.3	532,425
Genitourinary Agents	0.3	0.1	0.0	0.2	14	9	0	5	55	91	39	33	57,459	3,181,251	19,708	3.1	223,285
CNS Drugs	1.0	0.3	0.0	0.7	89	73	1	15	91	253	62	23	1,119,363	102,062,616	100,797	15.9	1,151,188
Stimulants/Anti-obesity/Anorexia	0.6	0.5	0.0	0.1	59	55	0	4	93	113	49	27	165,733	15,468,607	23,223	3.7	263,183
Miscellaneous Psychological/ Neurological Agents	0.2	0.2	0.0	0.0	44	42	0	2	198	222	0	59	37,642	7,458,170	14,697	2.3	170,562
Analgesics and Anesthetics	0.5	0.0	0.0	0.4	17	8	0	10	38	233	270	22	607,641	22,862,750	116,571	18.4	1,322,426
Neuromuscular Agents	0.7	0.3	0.0	0.4	64	48	8	9	88	176	169	21	492,179	43,492,090	58,904	9.3	677,996
Nutritional Products	0.3	0.0	0.0	0.3	3	0	0	2	10	31	10	9	98,789	1,024,498	33,472	5.3	365,395
Hematological Agents	0.6	0.2	0.0	0.4	167	161	0	6	282	986	42	14	79,780	22,510,001	11,634	1.8	134,691
Topical Products	0.2	0.0	0.0	0.2	7	4	0	3	33	96	61	19	251,423	8,346,785	102,087	16.1	1,150,066
Miscellaneous Products	0.2	0.1	0.0	0.1	60	53	2	5	278	355	268	88	22,853	6,344,430	9,292	1.5	105,323
Unknown Therapeutic Category	0.2	0.0	0.0	0.0	14	0	0	0	81	0	0	0	6,601	531,714	3,300	0.5	38,323
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.	5,486,583	383,486,270	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

- 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 2007.
- 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^{a, b, c}
 NONDUAL BENEFICIARIES, MASSACHUSETTS, 2007

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	\$80,421,009	53,290	8.4	622,025	0.6	\$227	\$129
ANTICONVULSANT	40,209,359	50,535	8.0	588,846	0.7	104	68
ANTIVIRAL	37,489,878	12,890	2.0	149,522	0.5	534	251
ANTIASTHMATIC	23,532,126	100,520	15.9	1,158,024	0.3	73	20
ANTIDEPRESSANTS	18,288,194	98,791	15.6	1,145,804	0.5	35	16
STIMULANTS/ANTI-OBESITY/ANOREXIANTS	15,328,072	25,252	4.0	290,830	0.6	93	53
ANALGESICS - Narcotic	15,153,831	116,216	18.4	1,345,778	0.3	38	11
MISC. HEMATOLOGICAL	14,536,739	2,753	0.4	32,276	0.6	791	450
ANTIDIABETIC	12,637,111	31,297	4.9	364,864	0.6	57	35
ULCER DRUGS	10,466,291	50,763	8.0	591,292	0.4	45	18
Total	268,062,610	542,307	n.a.	6,289,261	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. 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 2007. 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, 2007

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ANTICONVULSANT			
	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	2,693,037	\$268,062,610	53,290	8.4	622,025	0.6	\$129	50,535	8.0	588,846	0.7	\$68
Female												
All Females	1,572,779	133,731,771	28,581	8.0	332,744	0.5	116	30,159	8.5	350,391	0.6	63
Female, Disabled												
All Ages	1,053,975	100,200,795	20,107	35.3	236,102	0.6	134	20,667	36.3	242,482	0.7	70
5 and younger	4,508	304,442	18	1.3	216	0.3	59	160	11.4	1,873	0.6	55
6-14	32,453	3,648,561	715	20.1	8,323	0.7	146	958	26.9	11,287	0.8	92
15-20	38,734	4,567,503	1,198	29.2	13,955	0.6	122	1,214	29.6	14,231	0.7	100
21-44	304,143	33,352,181	8,017	44.3	93,640	0.5	119	7,771	42.9	90,589	0.7	79
45-64	674,137	58,328,108	10,159	34.1	119,968	0.6	147	10,564	35.5	124,502	0.7	58
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	518,804	33,530,976	8,474	2.8	96,642	0.4	71	9,492	3.2	107,909	0.5	47
5 and younger	14,916	918,700	34	0.1	400	0.3	68	113	0.2	1,253	0.4	40
6-14	66,995	5,696,542	1,074	1.7	12,397	0.6	109	972	1.5	11,147	0.6	76
15-20	70,345	6,170,405	1,858	4.0	21,418	0.5	97	1,599	3.4	18,396	0.5	80
21-44	247,859	14,185,959	4,301	4.2	48,364	0.3	48	5,259	5.1	59,178	0.4	37
45-64	78,785	4,566,401	767	4.2	8,865	0.4	67	1,178	6.4	13,580	0.5	31
65-74	24,140	1,298,873	225	7.0	2,656	0.6	114	213	6.6	2,468	0.6	33
75-84	10,330	483,336	101	5.3	1,174	0.6	73	107	5.6	1,275	0.5	22
85 and older	5,434	210,760	114	10.4	1,368	0.6	50	51	4.6	612	0.5	14
Male												
All Males	1,120,258	134,330,839	24,709	8.9	289,281	0.6	145	20,376	7.4	238,455	0.7	76
Male, Disabled												
All Ages	783,105	101,844,690	18,715	32.7	220,207	0.6	155	15,529	27.1	182,781	0.7	79
5 and younger	7,574	578,933	75	3.7	861	0.4	81	219	10.7	2,587	0.6	59
6-14	82,206	10,631,717	2,410	31.1	28,131	0.7	142	1,869	24.1	21,855	0.7	86
15-20	67,279	10,252,090	2,279	31.6	26,666	0.7	152	1,823	25.3	21,515	0.8	106
21-44	232,240	37,151,318	7,486	41.7	88,044	0.6	155	5,809	32.3	68,245	0.7	88
45-64	393,806	43,230,632	6,465	29.1	76,505	0.7	163	5,809	26.1	68,579	0.7	61
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	337,153	32,486,149	5,994	2.7	69,074	0.5	113	4,847	2.2	55,674	0.5	66
5 and younger	23,947	1,929,024	101	0.2	1,137	0.4	73	186	0.3	2,123	0.4	50
6-14	125,740	12,483,331	2,348	3.6	27,142	0.6	126	1,581	2.4	18,290	0.6	76
15-20	75,460	9,158,900	2,083	4.9	24,170	0.5	125	1,424	3.4	16,425	0.6	86
21-44	54,868	4,948,587	919	3.0	10,341	0.3	76	977	3.1	11,044	0.4	46
45-64	37,539	2,827,678	329	2.6	3,753	0.4	69	453	3.6	5,114	0.5	33
65-74	12,060	758,593	124	6.6	1,461	0.6	134	129	6.9	1,529	0.7	50
75-84	6,189	323,961	68	6.0	806	0.6	69	77	6.8	909	0.6	32
85 and older	1,350	56,075	22	5.3	264	0.5	56	20	4.8	240	0.4	12
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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. 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 2007. 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.

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, 2007

Beneficiary Characteristics	ANTIVIRAL					ANTIASTHMATIC					ANTIDEPRESSANTS				
	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Benefit Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month
All	12,890	2.0	149,522	0.5	\$251	100,520	15.9	1,158,024	0.3	\$20	98,791	15.6	1,145,804	0.5	\$16
Female															
All Females	7,848	2.2	90,481	0.4	186	57,821	16.2	667,436	0.3	21	66,493	18.7	769,040	0.5	16
Female, Disabled															
All Ages	4,005	7.0	46,971	0.5	292	25,665	45.1	302,550	0.4	30	38,336	67.3	449,693	0.5	20
5 and younger	17	1.2	200	0.2	38	581	41.3	6,771	0.3	17	17	1.2	202	0.2	2
6-14	74	2.1	888	0.4	208	1,451	40.8	17,058	0.3	22	533	15.0	6,138	0.5	9
15-20	167	4.1	1,962	0.4	199	1,180	28.7	13,856	0.3	22	1,315	32.0	15,324	0.5	13
21-44	1,663	9.2	19,312	0.5	279	6,963	38.5	81,777	0.3	23	12,775	70.6	148,742	0.5	18
45-64	2,084	7.0	24,609	0.6	314	15,490	52.0	183,088	0.4	34	23,696	79.6	279,287	0.6	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
Female, Other Eligibles															
All Ages	3,843	1.3	43,510	0.3	71	32,156	10.7	364,886	0.2	14	28,157	9.4	319,347	0.4	12
5 and younger	116	0.2	1,255	0.1	4	5,477	9.0	61,011	0.2	11	36	0.1	396	0.3	4
6-14	212	0.3	2,422	0.2	52	8,523	13.3	97,103	0.2	13	1,492	2.3	16,988	0.5	8
15-20	593	1.3	6,691	0.2	52	4,889	10.5	55,381	0.2	12	4,089	8.8	46,644	0.4	9
21-44	2,416	2.3	27,307	0.3	72	9,713	9.4	110,299	0.2	14	16,855	16.3	189,648	0.3	11
45-64	436	2.4	5,013	0.3	115	2,591	14.1	29,846	0.3	22	4,485	24.5	51,651	0.4	17
65-74	43	1.3	498	0.3	106	589	18.4	6,800	0.4	30	672	21.0	7,780	0.5	11
75-84	22	1.1	264	0.4	121	236	12.3	2,796	0.4	29	287	14.9	3,377	0.5	9
85 and older	5	0.5	60	0.2	12	138	12.6	1,650	0.3	18	241	22.0	2,863	0.5	8
Male															
All Males	5,042	1.8	59,041	0.6	350	42,699	15.5	490,588	0.3	19	32,298	11.7	376,764	0.5	15
Male, Disabled															
All Ages	3,804	6.6	44,829	0.6	407	15,550	27.2	183,542	0.4	27	22,628	39.5	265,844	0.5	17
5 and younger	19	0.9	223	0.3	24	1,012	49.3	11,713	0.3	16	22	1.1	260	0.2	3
6-14	100	1.3	1,181	0.5	158	3,015	38.9	35,538	0.3	21	1,354	17.5	15,817	0.5	9
15-20	120	1.7	1,423	0.4	191	1,600	22.2	18,904	0.3	21	1,746	24.2	20,393	0.5	16
21-44	1,268	7.1	14,888	0.6	373	3,025	16.8	35,705	0.3	25	7,995	44.5	93,552	0.5	17
45-64	2,297	10.3	27,114	0.7	452	6,898	31.0	81,682	0.4	34	11,511	51.8	135,822	0.5	18
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	1,238	0.6	14,212	0.3	171	27,149	12.4	307,046	0.2	15	9,670	4.4	110,920	0.4	11
5 and younger	120	0.2	1,304	0.1	5	8,032	12.6	89,144	0.2	13	54	0.1	587	0.3	4
6-14	245	0.4	2,800	0.3	81	11,663	17.6	132,425	0.2	15	2,297	3.5	26,365	0.5	10
15-20	220	0.5	2,562	0.3	101	4,338	10.3	49,775	0.2	14	2,767	6.6	32,016	0.4	12
21-44	361	1.2	4,150	0.4	234	1,679	5.4	19,083	0.3	16	2,639	8.5	29,875	0.3	11
45-64	256	2.1	2,964	0.5	308	943	7.6	10,784	0.3	24	1,446	11.6	16,580	0.4	14
65-74	23	1.2	276	0.3	124	279	14.9	3,278	0.4	34	262	14.0	3,073	0.5	10
75-84	12	1.1	144	0.2	89	175	15.4	2,077	0.3	28	152	13.4	1,788	0.5	8
85 and older	1	0.2	12	0.1	12	40	9.6	480	0.3	20	53	12.7	636	0.5	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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. 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 2007. 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.

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, 2007

Beneficiary Characteristics	STIMULANTS/ANTI-OBESITY/ANOREXIANTS					ANALGESICS - Narcotic					MISC. HEMATOLOGICAL				
	Number of Users	Users as % of All Benes	Number of Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month
All	25,252	4.0	290,830	0.6	\$53	116,216	18.4	1,345,778	0.3	\$11	2,753	0.4	32,276	0.6	\$450
Female															
All Females	8,638	2.4	99,619	0.5	49	78,015	21.9	901,183	0.3	10	1,322	0.4	15,570	0.6	112
Female, Disabled															
All Ages	2,759	4.8	32,325	0.6	54	34,950	61.4	411,027	0.4	15	1,015	1.8	11,982	0.6	130
5 and younger	11	0.8	125	0.3	22	83	5.9	986	0.1	1	1	0.1	12	0.4	13
6-14	741	20.8	8,634	0.6	60	324	9.1	3,861	0.1	1	1	0.0	12	2.3	11
15-20	501	12.2	5,861	0.6	53	921	22.4	10,777	0.1	2	2	0.0	15	0.2	4
21-44	824	4.6	9,656	0.6	53	12,478	68.9	145,760	0.3	13	86	0.5	1,016	0.5	838
45-64	682	2.3	8,049	0.6	52	21,144	71.0	249,643	0.4	17	925	3.1	10,927	0.6	64
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	5,879	2.0	67,294	0.5	47	43,065	14.4	490,156	0.2	6	307	0.1	3,588	0.5	54
5 and younger	65	0.1	743	0.4	26	518	0.8	5,875	0.1	1	2	0.0	24	0.2	16
6-14	2,796	4.4	32,041	0.6	50	1,524	2.4	17,518	0.1	1	1	0.0	12	0.2	3
15-20	1,544	3.3	17,894	0.5	48	5,378	11.6	60,965	0.1	1	3	0.0	36	0.2	18
21-44	1,206	1.2	13,551	0.5	41	29,389	28.5	332,937	0.2	7	49	0.0	554	0.5	46
45-64	257	1.4	2,941	0.5	44	5,062	27.6	58,733	0.3	8	71	0.4	811	0.6	57
65-74	5	0.2	52	0.9	83	731	22.8	8,617	0.2	5	97	3.0	1,145	0.6	58
75-84	1	0.1	12	0.8	19	324	16.9	3,850	0.2	2	52	2.7	623	0.6	56
85 and older	5	0.5	60	0.4	6	139	12.7	1,661	0.3	4	32	2.9	383	0.6	48
Male															
All Males	16,614	6.0	191,211	0.6	54	38,201	13.8	444,595	0.3	14	1,431	0.5	16,706	0.6	766
Male, Disabled															
All Ages	5,590	9.8	65,275	0.6	57	23,129	40.4	272,560	0.4	19	1,067	1.9	12,562	0.6	812
5 and younger	81	3.9	941	0.4	20	133	6.5	1,572	0.1	2	3	0.1	36	0.2	710
6-14	2,934	37.8	34,116	0.7	60	543	7.0	6,408	0.1	1	11	0.1	132	0.6	9,742
15-20	1,516	21.0	17,794	0.6	61	1,103	15.3	13,031	0.1	2	8	0.1	87	0.8	18,106
21-44	727	4.0	8,494	0.6	47	8,164	45.4	95,617	0.3	16	96	0.5	1,133	0.5	5,576
45-64	332	1.5	3,930	0.5	44	13,186	59.3	155,932	0.4	23	949	4.3	11,174	0.6	89
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	11,024	5.0	125,936	0.6	53	15,072	6.9	172,035	0.2	7	364	0.2	4,144	0.5	624
5 and younger	300	0.5	3,435	0.4	27	796	1.2	9,039	0.1	1	6	0.0	68	0.6	4,481
6-14	7,199	10.9	81,723	0.6	53	1,810	2.7	20,789	0.1	1	5	0.0	59	0.7	8,643
15-20	3,130	7.4	36,285	0.5	58	3,329	7.9	38,329	0.1	1	9	0.0	106	0.7	9,288
21-44	294	0.9	3,342	0.5	40	6,022	19.4	67,820	0.3	13	51	0.2	550	0.5	1,012
45-64	92	0.7	1,047	0.5	38	2,565	20.6	29,531	0.3	9	153	1.2	1,710	0.5	74
65-74	4	0.2	44	0.5	9	347	18.5	4,101	0.3	4	75	4.0	871	0.5	60
75-84	3	0.3	36	0.8	37	166	14.7	1,982	0.2	4	50	4.4	600	0.7	72
85 and older	2	0.5	24	0.3	3	37	8.9	444	0.2	2	15	3.6	180	0.6	49
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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. 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 2007. 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.

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, 2007

Beneficiary Characteristics	ANTIDIABETIC					ULCER DRUGS						
	Number of Users	Users as % of All Benes	Number of Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Users	Users as % of All Benes	Number of Months Among Users	Mean Rx per Benefit Month	Mean Rx \$ per Benefit Month	Number of Beneficiaries	Number of Benefit Months
All	31,297	4.9	364,864	0.6	\$35	50,763	8.0	591,292	0.4	\$18	632,609	6,193,488
Female												
All Females	19,185	5.4	223,700	0.6	34	32,917	9.2	383,048	0.4	18	356,358	3,458,732
Female, Disabled												
All Ages	13,487	23.7	158,736	0.6	37	19,163	33.7	225,648	0.5	21	56,936	650,257
5 and younger	5	0.4	60	0.2	8	261	18.5	3,000	0.4	22	1,408	15,467
6-14	64	1.8	735	0.6	45	471	13.2	5,586	0.5	39	3,557	40,622
15-20	143	3.5	1,700	0.6	36	532	13.0	6,255	0.4	28	4,107	46,511
21-44	2,065	11.4	24,017	0.6	36	4,865	26.9	56,991	0.4	18	18,104	204,958
45-64	11,210	37.7	132,224	0.7	38	13,034	43.8	153,816	0.5	22	29,760	342,699
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	5,698	1.9	64,964	0.5	27	13,754	4.6	157,400	0.3	12	299,422	2,808,475
5 and younger	22	0.0	250	0.6	31	932	1.5	10,032	0.2	12	61,173	531,194
6-14	228	0.4	2,549	0.6	59	937	1.5	10,768	0.2	17	64,199	623,164
15-20	338	0.7	3,749	0.5	45	1,433	3.1	16,328	0.2	8	46,373	451,174
21-44	1,953	1.9	21,942	0.4	25	6,590	6.4	75,227	0.2	10	103,132	948,152
45-64	1,463	8.0	16,769	0.5	24	2,389	13.0	27,774	0.4	16	18,321	181,934
65-74	1,143	35.7	13,231	0.6	26	906	28.3	10,561	0.4	12	3,205	37,286
75-84	424	22.1	4,982	0.6	22	422	22.0	4,998	0.4	15	1,922	22,640
85 and older	127	11.6	1,492	0.6	21	145	13.2	1,712	0.4	14	1,097	12,931
Male												
All Males	12,112	4.4	141,164	0.6	35	17,846	6.5	208,244	0.4	18	276,251	2,734,756
Male, Disabled												
All Ages	8,613	15.1	101,399	0.6	37	11,563	20.2	136,620	0.5	20	57,220	654,759
5 and younger	3	0.1	36	0.7	28	376	18.3	4,395	0.4	27	2,051	22,332
6-14	106	1.4	1,241	0.6	53	712	9.2	8,465	0.5	34	7,758	88,849
15-20	117	1.6	1,364	0.6	46	572	7.9	6,723	0.4	31	7,215	82,588
21-44	1,458	8.1	17,089	0.6	36	3,227	18.0	37,957	0.4	19	17,968	205,137
45-64	6,929	31.2	81,669	0.6	37	6,676	30.0	79,080	0.5	18	22,228	255,853
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	3,499	1.6	39,765	0.6	31	6,283	2.9	71,624	0.3	14	219,031	2,079,997
5 and younger	33	0.1	358	0.6	49	1,224	1.9	13,073	0.2	14	63,825	558,035
6-14	231	0.3	2,669	0.6	52	876	1.3	10,128	0.3	21	66,126	645,441
15-20	217	0.5	2,443	0.6	62	740	1.8	8,599	0.2	12	42,121	422,042
21-44	879	2.8	9,798	0.5	29	1,603	5.2	18,282	0.3	12	31,101	290,870
45-64	1,338	10.8	15,067	0.5	24	1,208	9.7	14,076	0.4	14	12,435	123,382
65-74	531	28.3	6,205	0.6	30	379	20.2	4,478	0.4	13	1,874	21,998
75-84	240	21.2	2,865	0.6	24	213	18.8	2,515	0.4	12	1,133	13,385
85 and older	30	7.2	360	0.6	17	40	9.6	473	0.5	17	416	4,844
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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. 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 2007. 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.

TABLE ND.8
MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
BY BENEFICIARY CHARACTERISTIC^{a, b}
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2007

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	\$345	5.2	2,227	26,715
Age				
0-64	520	7.0	1,300	15,591
65-74	242	4.7	183	2,196
75-84	99	2.8	271	3,252
85 and older	47	1.9	473	5,676
Unknown	0	0.0	0	0
Gender				
Female	332	5.1	1,273	15,272
Male	363	5.3	954	11,443
Unknown	0	0.0	0	0
Race				
White	398	5.7	1,492	17,898
African American	484	6.7	158	1,893
Other/unknown	172	3.4	577	6,924
Basis of Eligibility^c				
Aged	101	2.7	927	11,124
Disabled	525	7.0	1,287	15,435
Adults	1	0.3	4	48
Children	98	1.1	9	108
Unknown	0	0.0	0	0

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

a. Table ND.8 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their 2007 Medicaid enrollment. A total of 3,353 beneficiaries who were in nursing facilities for part of their enrollment and their 38,397 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, 2007

Therapeutic Category	Number of Rx per Benefit Month Among Users		\$ per Benefit Month Among Users										Total Number of Rx	Total Rx \$	Number of Users	As a Percentage of All-Year Nursing Facility Residents	Number of Benefit Months
	Patented Brand-Name	Off-Patent Brand-Name	Patented Brand-Name	Off-Patent Brand-Name	Generic	Patented Brand-Name	Off-Patent Brand-Name	Generic	Patented Brand-Name	Off-Patent Brand-Name	Generic	Patented Brand-Name					
Anti-infective Agents	0.5	0.2	0.0	0.3	\$68	\$55	\$1	\$12	\$128	\$297	\$151	\$35	6,402	\$819,102	1,008	45.3	12,089
Biologicals	0.1	0.1	0.0	0.0	4	4	0	0	45	45	0	0	12	537	12	0.5	144
Antineoplastic Agents	0.6	0.1	0.0	0.5	130	105	0	24	226	947	0	53	454	102,591	66	3.0	792
Endocrine/Metabolic Drugs	1.2	0.4	0.0	0.7	51	41	2	7	43	92	74	10	10,517	454,544	747	33.5	8,958
Cardiovascular Agents	1.8	0.2	0.0	1.6	36	15	2	19	20	99	44	12	22,107	438,809	1,030	46.3	12,356
Respiratory Agents	0.9	0.4	0.1	0.4	73	58	6	9	82	138	71	24	6,354	522,384	594	26.7	7,126
Gastrointestinal Agents	1.1	0.2	0.1	0.8	52	28	5	18	47	124	97	22	12,514	591,447	950	42.7	11,393
Genitourinary Agents	0.6	0.3	0.0	0.4	38	22	0	15	61	85	22	44	2,418	147,468	326	14.6	3,908
CNS Drugs	1.9	0.6	0.0	1.3	163	136	1	25	86	239	47	20	31,161	2,694,235	1,382	62.1	16,576
Stimulants/Anti-obesity/Aorexia	0.5	0.1	0.0	0.4	36	30	0	6	74	244	0	16	238	17,674	41	1.8	492
Miscellaneous Psychological/Neurological Agents	0.8	0.8	0.0	0.0	257	257	0	0	310	311	0	26	2,055	636,375	206	9.3	2,472
Analgesics and Anesthetics	0.8	0.0	0.0	0.8	30	4	1	26	39	161	99	35	6,257	243,815	670	30.1	8,034
Neuromuscular Agents	1.6	0.6	0.0	1.0	151	119	2	29	95	206	110	30	19,005	1,802,083	996	44.7	11,946
Nutritional Products	0.6	0.0	0.0	0.6	17	0	0	16	26	25	8	27	3,071	79,096	395	17.7	4,738
Hematological Agents	1.3	0.2	0.0	1.1	54	46	0	8	41	226	461	7	9,758	395,818	610	27.4	7,318
Topical Products	0.5	0.1	0.0	0.4	18	9	2	8	34	76	55	20	5,791	195,291	884	39.7	10,602
Miscellaneous Products	0.4	0.1	0.0	0.2	39	26	0	13	108	206	0	57	506	54,895	118	5.3	1,415
Unknown Therapeutic Category	0.2	0.0	0.0	0.0	36	0	0	0	163	0	0	0	185	30,112	70	3.1	840
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.	138,805	9,226,276	n.a.	n.a.	n.a.

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

- 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 2007. A total of 3,353 beneficiaries who were in nursing facilities for part of their enrollment and their 38,397 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 2007. 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, 2007

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	\$2,292,731	989	44.4	11,866	1.0	\$198	\$193	
ANTICONVULSANT	1,423,890	1,167	52.4	14,002	1.0	101	102	
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	636,403	254	11.4	3,048	0.7	309	209	
ANTIVIRAL	436,973	107	4.8	1,283	0.7	508	341	
ANTIASTHMATIC	422,414	863	38.8	10,354	0.5	79	41	
ULCER DRUGS	410,313	793	35.6	9,511	0.7	66	43	
ANTIDIABETIC	348,283	682	30.6	8,183	0.9	49	43	
ANTIDEPRESSANTS	347,459	1,441	64.7	17,287	0.8	26	20	
ANTICOAGULANTS	285,421	344	15.4	4,127	1.5	45	69	
ANALGESICS - Narcotic	208,174	717	32.2	8,593	0.6	43	24	
Total	6,812,061	7,357	n.a.	88,254	n.a.	n.a.	n.a.	

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. A total of 3,353 beneficiaries who were in nursing facilities for part of their enrollment and their 38,397 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 2007. 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 2007 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, 2007

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ANTICONVULSANTS			
	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	71,854	\$6,812,061	989	44.4	11,866	1.0	\$193	1,167	52.4	14,002	1.0	\$102
Female												
All Females	39,718	3,771,067	551	43.3	6,612	1.0	188	577	45.3	6,923	1.0	101
Female, Disabled												
All Ages	30,639	3,306,879	407	65.9	4,884	1.0	216	483	78.2	5,795	1.1	113
64 or younger	30,639	3,306,879	407	65.9	4,884	1.0	216	483	78.2	5,795	1.1	113
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	9,079	464,188	144	22.0	1,728	0.9	110	94	14.4	1,128	0.7	42
64 or younger	47	6,591	0	0.0	0	0.0	0	3	50.0	36	0.9	114
65-74	2,842	208,862	51	51.5	612	1.1	176	37	37.4	444	0.8	59
75-84	2,248	117,032	28	15.6	336	0.9	133	28	15.6	336	0.7	38
85 and older	3,942	131,703	65	17.5	780	0.7	49	26	7.0	312	0.6	15
Male												
All Males	32,136	3,040,994	438	45.9	5,254	1.0	200	590	61.8	7,079	1.0	102
Male, Disabled												
All Ages	27,163	2,733,114	354	52.9	4,246	1.0	214	515	77.0	6,179	1.0	108
64 or younger	27,163	2,733,114	354	52.9	4,246	1.0	214	515	77.0	6,179	1.0	108
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	4,973	307,880	84	29.5	1,008	0.8	140	75	26.3	900	0.8	66
64 or younger	2	6	0	0.0	0	0.0	0	1	14.3	12	0.2	1
65-74	2,313	178,360	43	51.2	516	0.9	180	36	42.9	432	0.9	87
75-84	1,943	102,146	32	34.8	384	0.7	95	30	32.6	360	0.8	57
85 and older	715	27,368	9	8.8	108	0.9	108	8	7.8	96	0.6	14
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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. A total of 3,353 beneficiaries who were in nursing facilities for part of their enrollment and their 38,397 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 2007. 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 2007 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.

Non-dual Medicaid Beneficiaries

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, 2007

Beneficiary Characteristics	MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL						ANTIVIRAL					ANTIASTHMATIC					
	Number of Users	Users as % of All-	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$		Number of Users	Users as % of All-	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	Number of Users	Users as % of All-	Number of Benefit Months Among Users	Mean Number of Rx	Mean Rx \$	
		Year Nursing Facility Residents						Year Nursing Facility Residents									
All	254	11.4	3,048	0.7	\$209		107	4.8	1,283	0.7	\$341		863	38.8	10,354	0.5	\$41
Female																	
All Females	170	13.4	2,040	0.7	224		46	3.6	551	0.7	364		469	36.8	5,627	0.5	42
Female, Disabled																	
All Ages	66	10.7	792	0.7	497		42	6.8	503	0.7	398		357	57.8	4,283	0.6	49
64 or younger	66	10.7	792	0.7	497		42	6.8	503	0.7	398		357	57.8	4,283	0.6	49
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	104	15.9	1,248	0.6	51		4	0.6	48	0.1	8		112	17.1	1,344	0.3	20
64 or younger	0	0.0	0	0.0	0		1	16.7	12	0.1	8		0	0.0	0	0.0	0
65-74	11	11.1	132	0.6	78		1	1.0	12	0.1	3		28	28.3	336	0.4	35
75-84	31	17.3	372	0.6	62		1	0.6	12	0.2	1		22	12.3	264	0.4	24
85 and older	62	16.7	744	0.6	41		1	0.3	12	0.2	20		62	16.7	744	0.3	11
Male																	
All Males	84	8.8	1,008	0.7	178		61	6.4	732	0.7	323		394	41.3	4,727	0.5	39
Male, Disabled																	
All Ages	58	8.7	696	0.8	228		60	9.0	720	0.7	328		330	49.3	3,959	0.6	43
64 or younger	58	8.7	696	0.8	228		60	9.0	720	0.7	328		330	49.3	3,959	0.6	43
65-74	0	0.0	0	0.0	0		0	0.0	0	0.0	0		0	0.0	0	0.0	0
75-84	0	0.0	0	0.0	0		0	0.0	0	0.0	0		0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0		0	0.0	0	0.0	0		0	0.0	0	0.0	0
Male, Other Eligibles																	
All Ages	26	9.1	312	0.6	65		1	0.4	12	0.1	12		64	22.5	768	0.4	21
64 or younger	0	0.0	0	0.0	0		0	0.0	0	0.0	0		0	0.0	0	0.0	0
65-74	3	3.6	36	0.9	70		0	0.0	0	0.0	0		19	22.6	228	0.5	26
75-84	12	13.0	144	0.6	89		0	0.0	0	0.0	0		28	30.4	336	0.3	24
85 and older	11	10.8	132	0.4	37		1	1.0	12	0.1	12		17	16.7	204	0.3	13
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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. A total of 3,353 beneficiaries who were in nursing facilities for part of their enrollment and their 38,397 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 2007. 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 2007 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.

Nondual Medicaid Beneficiaries

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, 2007

Beneficiary Characteristics	ULCER DRUGS					ANTIDIABETIC					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	793	35.6	9,511	0.7	\$43	682	30.6	8,183	0.9	\$43	1,441	64.7	17,287	0.8	\$20
Female															
All Females	417	32.8	5,002	0.7	43	409	32.1	4,907	0.9	41	821	64.5	9,849	0.8	22
Female, Disabled															
All Ages	310	50.2	3,718	0.7	52	272	44.0	3,263	0.9	48	553	89.5	6,633	0.9	26
64 or younger	310	50.2	3,718	0.7	52	272	44.0	3,263	0.9	48	553	89.5	6,633	0.9	26
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	107	16.3	1,284	0.5	17	137	20.9	1,644	0.7	29	268	40.9	3,216	0.6	12
64 or younger	1	16.7	12	1.3	198	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	31	31.3	372	0.6	14	50	50.5	600	0.9	36	63	63.6	756	0.7	23
75-84	25	14.0	300	0.6	14	32	17.9	384	0.7	29	67	37.4	804	0.7	10
85 and older	50	13.5	600	0.5	16	55	14.8	660	0.6	23	138	37.2	1,656	0.6	9
Male															
All Males	376	39.4	4,509	0.6	43	273	28.6	3,276	0.9	44	620	65.0	7,438	0.8	18
Male, Disabled															
All Ages	315	47.1	3,777	0.7	50	206	30.8	2,472	0.9	50	485	72.5	5,818	0.8	20
64 or younger	315	47.1	3,777	0.7	50	206	30.8	2,472	0.9	50	485	72.5	5,818	0.8	20
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	61	21.4	732	0.5	11	67	23.5	804	0.7	26	135	47.4	1,620	0.7	12
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	26	31.0	312	0.6	8	28	33.3	336	0.8	38	59	70.2	708	0.8	17
75-84	23	25.0	276	0.5	15	29	31.5	348	0.7	19	53	57.6	636	0.6	9
85 and older	12	11.8	144	0.5	12	10	9.8	120	0.5	11	23	22.5	276	0.5	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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. A total of 3,353 beneficiaries who were in nursing facilities for part of their enrollment and their 38,397 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 2007. 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 2007 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.

Nondual Medicaid Beneficiaries

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, 2007

Beneficiary Characteristics	ANTICOAGULANTS					ANALGESICS - Narcotic					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	344	15.4	4,127	1.5	\$69	717	32.2	8,593	0.6	\$24	2,227	26,715
Female												
All Females	200	15.7	2,399	1.5	78	403	31.7	4,833	0.6	24	1,273	15,272
Female, Disabled												
All Ages	135	21.8	1,619	1.6	102	290	46.9	3,477	0.6	31	618	7,412
64 or younger	135	21.8	1,619	1.6	102	290	46.9	3,477	0.6	31	618	7,412
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	65	9.9	780	1.4	26	113	17.3	1,356	0.4	5	655	7,860
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	6	72
65-74	7	7.1	84	1.5	87	23	23.2	276	0.4	7	99	1,188
75-84	14	7.8	168	1.5	31	32	17.9	384	0.4	4	179	2,148
85 and older	44	11.9	528	1.3	15	58	15.6	696	0.3	5	371	4,452
Male												
All Males	144	15.1	1,728	1.5	58	314	32.9	3,760	0.6	25	954	11,443
Male, Disabled												
All Ages	107	16.0	1,284	1.5	68	275	41.1	3,292	0.6	25	669	8,023
64 or younger	107	16.0	1,284	1.5	68	275	41.1	3,292	0.6	25	669	8,023
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	37	13.0	444	1.6	29	39	13.7	468	0.4	20	285	3,420
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	7	84
65-74	9	10.7	108	2.3	75	16	19.0	192	0.6	22	84	1,008
75-84	17	18.5	204	1.6	14	13	14.1	156	0.4	32	92	1,104
85 and older	11	10.8	132	0.9	13	10	9.8	120	0.2	1	102	1,224
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 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. A total of 3,353 beneficiaries who were in nursing facilities for part of their enrollment and their 38,397 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 2007. 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 2007 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.

Nondual Medicaid Beneficiaries

TABLE ND.11
USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
AMONG NONDUALS, BY BENEFICIARY CHARACTERISTIC^{a,b}
MASSACHUSETTS, 2007

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	109,056	17.2	1.0	656,069	\$9	\$5,944,002	\$9	1.6	632,609	
Age										
5 and younger	14,510	11.3	0.3	32,460	2	228,254	7	2.5	128,457	
6-14	12,411	8.8	0.3	38,329	2	294,069	8	0.7	141,640	
15-20	9,501	9.5	0.3	32,351	3	331,008	10	0.8	99,816	
21-44	33,745	19.8	1.2	201,498	10	1,712,370	8	1.4	170,305	
45-64	35,340	42.7	3.9	324,696	38	3,150,263	10	2.0	82,744	
65-74	2,038	40.1	3.0	15,461	26	133,515	9	2.7	5,079	
75-84	1,078	35.3	2.7	8,171	23	71,353	9	3.1	3,055	
85 and older	433	28.6	2.1	3,103	15	23,170	7	3.3	1,513	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
Basis of Eligibility^c										
Aged	3,545	36.8	2.8	26,729	24	227,991	9	2.9	9,624	
Disabled	50,208	44.0	4.0	456,007	37	4,235,073	9	1.5	114,156	
Adults	25,842	14.5	0.6	104,324	5	951,013	9	2.0	178,673	
Children	29,461	8.9	0.2	69,009	2	529,925	8	1.1	330,156	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
Gender										
Female	68,451	19.2	1.2	426,788	11	3,800,943	9	1.8	356,358	
Male	40,605	14.7	0.8	229,281	8	2,143,059	9	1.2	276,251	
Unknown	0	0.0	0.0	0	0	0	0	0.0	0	
Race										
White	62,132	21.9	1.6	467,062	15	4,246,188	9	1.5	283,831	
African American	11,492	15.7	0.8	58,698	7	543,690	9	1.5	73,236	
Other/unknown	35,432	12.9	0.5	130,309	4	1,154,124	9	1.7	275,542	
Use of Nursing Facilities^d										
Entire year	983	44.1	4.8	10,736	62	137,134	13	1.5	2,227	
Part year	2,228	66.4	6.9	23,063	82	273,381	12	2.1	3,353	
None	105,845	16.9	1.0	622,270	9	5,533,487	9	1.5	627,029	
Maintenance Assistance Status										
Cash	49,239	33.6	2.8	416,550	25	3,718,356	9	1.6	146,604	
Medically needy	1,222	29.7	2.2	9,018	19	76,575	8	1.7	4,111	
Poverty related	31,816	10.7	0.4	116,912	4	1,067,840	9	1.4	296,093	
Other/unknown	26,779	14.4	0.6	113,589	6	1,081,231	10	1.6	185,801	

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

- 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 2007.
- b. The statute establishing the Medicare Part D prescription program that started in 2007 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 2007 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^{a,b}
 MASSACHUSETTS, 2007

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	\$9	\$0	\$0	6,193,488
Age						
5 and younger	0.0	0	7	0	0	1,127,028
6-14	0.0	0	8	0	0	1,398,076
15-20	0.0	0	10	0	0	1,002,315
21-44	0.1	1	8	0	0	1,649,117
45-64	0.4	3	10	0	1	903,868
65-74	0.3	2	9	0	0	59,284
75-84	0.2	2	9	0	0	36,025
85 and older	0.2	1	7	0	0	17,775
Unknown	0.0	0	0	0	0	0
Basis of Eligibility^c						
Aged	0.2	2	9	0	0	112,844
Disabled	0.3	3	9	0	1	1,305,016
Adults	0.1	1	9	0	0	1,674,190
Children	0.0	0	8	0	0	3,101,438
Unknown	0.0	0	0	0	0	0
Gender						
Female	0.1	1	9	0	0	3,458,732
Male	0.1	1	9	0	0	2,734,756
Unknown	0.0	0	0	0	0	0
Race						
White	0.2	1	9	0	0	2,896,539
African American	0.1	1	9	0	0	690,447
Other/unknown	0.1	0	9	0	0	2,606,502
Use of Nursing Facilities^d						
Entire year	0.4	5	13	0	1	26,715
Part year	0.6	7	12	0	1	38,397
None	0.1	1	9	0	0	6,128,376
Maintenance Assistance Status						
Cash	0.3	2	9	0	1	1,572,667
Medically needy	0.2	2	8	0	0	46,605
Poverty related	0.0	0	9	0	0	2,815,406
Other/unknown	0.1	1	10	0	0	1,758,810

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007.

b. The statute establishing the Medicare Part D prescription program that started in 2007 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 2007 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, 2007

Drug Category	Number of Users	Rx \$ per User	Total Rx \$	Rx \$ as a Percentage of All Part D			Number Rx as a Percentage of All Part D Excluded Rx	
				Excluded Rx \$	Total Number Rx.	\$ per Rx	Excluded Rx	
All	135,548	\$44	\$5,944,002	100.0	656,069	\$9	100.0	
Anorexia or weight loss/gain	3	31	93	0.0	3	31	0.0	
Fertility drugs	1	37	37	0.0	1	37	0.0	
Drugs for cosmetic purposes	642	10	6,489	0.1	884	7	0.1	
Cough and cold medications	2,545	57	145,707	2.5	4,734	31	0.7	
Vitamins and minerals	13,045	44	573,317	9.6	46,164	12	7.0	
Non-prescription drugs	74,697	46	3,426,786	57.7	344,379	10	52.5	
Barbiturates	1,109	49	54,238	0.9	9,333	6	1.4	
Benzodiazepines	38,205	34	1,312,049	22.1	231,503	6	35.3	
Other Part D Excl Rx Drugs	5,301	80	425,286	7.2	19,068	22	2.9	

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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 2007. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2007. 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 2007 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 2007 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, 2007

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	877,664	10,069	138,568	249,384	479,643	0	8,695,432	103,410	1,548,070	2,366,365	4,677,587	0
Age												
5 and younger	185,346	0	5,054	0	180,292	0	1,743,590	0	54,945	0	1,688,645	0
6-14	212,510	0	15,186	0	197,324	0	2,182,127	0	175,694	0	2,006,433	0
15-20	132,902	0	13,396	17,527	101,979	0	1,294,613	0	149,692	162,644	982,277	0
21-44	234,466	0	43,965	190,461	40	0	2,304,154	0	491,791	1,812,181	182	0
45-64	102,346	4	60,967	41,367	8	0	1,067,386	19	675,948	391,369	50	0
65-74	5,286	5,257	0	29	0	0	55,323	55,152	0	171	0	0
75-84	3,236	3,236	0	0	0	0	33,710	33,710	0	0	0	0
85 and older	1,572	1,572	0	0	0	0	14,529	14,529	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Gender												
Female	504,023	6,520	70,895	188,715	237,893	0	5,025,371	67,546	802,237	1,829,041	2,326,547	0
Male	373,641	3,549	67,673	60,669	241,750	0	3,670,061	35,864	745,833	537,324	2,351,040	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Race												
White	381,869	3,667	98,739	105,243	174,220	0	3,929,391	38,014	1,127,092	1,024,559	1,739,726	0
African American	109,762	1,519	14,613	30,365	63,265	0	1,119,680	16,818	165,861	296,364	640,637	0
Other/unknown	386,033	4,883	25,216	113,776	242,158	0	3,646,361	48,578	255,117	1,045,442	2,297,224	0
Use of Nursing Facilities^c												
Entire year	2,227	927	1,287	4	9	0	23,642	9,098	14,437	30	77	0
Part year	3,388	640	2,539	138	71	0	35,755	6,017	27,702	1,363	673	0
None	872,049	8,502	134,742	249,242	479,563	0	8,636,035	88,295	1,505,931	2,364,972	4,676,837	0
Maintenance Assistance Status												
Cash	214,226	1,779	108,477	40,005	63,965	0	2,323,852	19,875	1,254,907	372,631	676,439	0
Medically needy	4,358	1,374	2,984	0	0	0	41,996	12,322	29,674	0	0	0
Poverty related	402,471	5,626	18,407	0	378,438	0	3,855,527	59,304	178,369	0	3,617,854	0
Other/unknown	256,609	1,290	8,700	209,379	37,240	0	2,474,057	11,909	85,120	1,993,734	383,294	0
Managed Care (MC) Status												
Fee-for-service (FFS) all year	393,192	9,102	102,213	96,823	185,054	0	3,807,919	92,503	1,139,443	873,279	1,702,694	0
FFS part year, with Rx claims	57,173	369	6,690	21,943	28,171	0	572,613	4,190	73,668	210,332	284,423	0
FFS part year, no Rx claims	100,093	109	2,975	30,974	66,035	0	885,828	1,135	29,206	260,819	594,668	0
MC all year, with Rx claims	12,129	3	925	6,034	5,167	0	128,692	28	10,230	65,454	52,980	0
MC all year, no Rx claims	315,077	486	25,765	93,610	195,216	0	3,300,380	5,554	295,523	956,481	2,042,822	0

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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(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^{ab}
NONDUAL BENEFICIARIES, MASSACHUSETTS, 2007

	Beneficiaries and Benefit Months in Cell J of Table 1		Included in Cell K of Table 1		Excluded from Cell K 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	877,664	8,695,432	632,609	6,193,488	245,055	2,501,944
Fee-for-service (FFS) all year	393,192	3,807,919	393,192	4,718,304	0	-910,385
FFS part year, with Rx claims	57,173	572,613	57,173	391,952	0	180,661
FFS part year, with no Rx claims	100,093	885,828	100,093	585,832	0	299,996
Managed care (MC) all year, with Rx claims	12,129	128,692	3,362	16,856	8,767	111,836
MC all year, with no Rx claims	315,077	3,300,380	78,789	480,544	236,288	2,819,836

Source: Data for this table are from the MAX 2007 file for Massachusetts, released by CMS in 4/2010. This table was produced on 04/19/2011.

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

b. The negative numbers for Fee-for-service (FFS) all year benefit months in the far right column result from a Mathematica adjustment to the reported data that resulted in a shift of beneficiaries and their benefit months in Massachusetts from FFS all year to managed care (MC).

Nondual Medicaid Beneficiaries