

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

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TABLE D.2  
 CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	No. of Benes						No. of Bene Mos					
	All	Aged	Disabled	Adults	Children	Other/ Unknown	All	Aged	Disabled	Adults	Children	Other/ Unknown
<b>All</b>	<b>26,388</b>	<b>17,773</b>	<b>8,498</b>	<b>117</b>	<b>0</b>	<b>0</b>	<b>258,813</b>	<b>169,995</b>	<b>88,492</b>	<b>326</b>	<b>0</b>	<b>0</b>
<b>Age</b>												
5 and younger	0	0	0	0	0	0		0	0	0	0	0
6-14	2	0	2	0	0	0	24	0	24	0	0	0
15-20	23	0	21	2	0	0	215	0	213	2	0	0
21-44	3,166	0	3,103	63	0	0	33,035	0	32,822	213	0	0
45-64	4,616	0	4,571	45	0	0	47,186	0	47,089	97	0	0
65-74	7,181	6,569	605	7	0	0	72,680	66,204	6,462	14	0	0
75-84	7,425	7,272	153	0	0	0	73,559	72,034	1,525	0	0	0
85 and older	3,975	3,932	43	0	0	0	32,114	31,757	357	0	0	0
Unknown	0	0	0	0	0	0		0	0	0	0	0
<b>Gender</b>												
Female	15,648	11,685	3,917	46	0	0	154,515	113,291	41,101	123	0	0
Male	10,740	6,088	4,581	71	0	0	104,298	56,704	47,391	203	0	0
Unknown	0	0	0	0	0	0		0	0	0	0	0
<b>Race</b>												
White	5,456	2,669	2,742	45	0	0	52,928	24,865	27,925	138	0	0
African American	253	84	164	5	0	0	2,343	801	1,535	7	0	0
Other/unknown	20,679	15,020	5,592	67	0	0	203,542	144,329	59,032	181	0	0
<b>Use of Nursing Facilities<sup>c</sup></b>												
Entire year	3,252	2,930	321	1	0	0	21,139	18,907	2,231	1	0	0
Part year	7,675	4,861	2,811	3	0	0	84,081	52,511	31,550	20	0	0
None	15,461	9,982	5,366	113	0	0	153,593	98,577	54,711	305	0	0
<b>Maintenance Assistance Status</b>												
Cash	11,038	6,941	4,074	23	0	0	118,015	73,821	44,120	74	0	0
Medically needy	2,736	2,267	469	0	0	0	19,305	15,549	3,756	0	0	0
Poverty-related	12,462	8,539	3,923	0	0	0	120,696	80,383	40,313	0	0	0
Other/unknown	152	26	32	94	0	0	797	242	303	252	0	0
<b>Dual Medicare Status<sup>d</sup></b>												
Full dual, all year	25,975	17,511	8,348	116	0	0	254,916	167,530	87,068	318	0	0
Full dual, part year	413	262	150	1	0	0	3,897	2,465	1,424	8	0	0
<b>Managed Care Status</b>												
FFS all year	25,895	17,592	8,277	26	0	0	256,281	168,935	87,253	93	0	0
FFS part year, with Rx claims	338	134	180	24	0	0	1,986	819	1,059	108	0	0
FFS part year, no Rx claims	155	47	41	67	0	0	546	241	180	125	0	0

Table D2

Dual Eligible Beneficiaries

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

- a. Table D.2 includes the beneficiaries represented by Cell G of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services. The total includes some beneficiaries with unknown basis of eligibility and some whose age categories are not consistent with basis of eligibility.
- c. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- d. The "Full dual, all year" group contains beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefits during all months of Medicaid enrollment in 2002. The "Full dual, part year" group contains beneficiaries who had such benefits for some, but not all, months of their enrollment. Refer to footnote g of Table 1 for more information about how we determined dual eligibility status.

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

TABLE D.3  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	% with at Least One Rx	Mean No. of Rx	Mean Rx \$	\$ per Rx	Mean \$, All Services	Rx \$ as % of All Services	No. of Benes
All	87.1 %	29.8	\$1,781	\$60	\$10,672	16.7 %	26,388
<b>Age</b>							
5 and younger	0.0	0.0	0	0	0	0.0	0
6-14	100.0	69.5	8,975	129	22,027	40.7	2
15-20	78.3	15.6	1,343	86	6,660	20.2	23
21-44	82.7	27.2	2,680	99	9,516	28.2	3,166
45-64	87.5	38.9	2,837	73	10,379	27.3	4,616
65-74	87.2	30.5	1,568	51	5,834	26.9	7,181
75-84	89.0	28.7	1,378	48	10,267	13.4	7,425
85 and older	86.4	22.2	975	44	21,447	4.5	3,975
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Basis of Eligibility<sup>c</sup></b>							
Aged	87.6	27.6	1,344	49	11,065	12.1	17,773
Disabled	86.9	34.8	2,718	78	9,968	27.3	8,498
Adults	28.2	2.2	162	74	2,127	7.6	117
Children	0.0	0.0	0	0	0	0.0	0
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Gender</b>							
Female	89.5	31.4	1,691	54	10,883	15.5	15,648
Male	83.6	27.6	1,911	69	10,365	18.4	10,740
Unknown	0.0	0.0	0	0	0	0.0	0
<b>Race</b>							
White	85.2	33.9	2,425	72	11,344	21.4	5,456
African American	80.6	31.5	2,084	66	6,831	30.5	253
Other/unknown	87.7	28.7	1,607	56	10,542	15.2	20,679
<b>Use of Nursing Facilities<sup>d</sup></b>							
Entire year	90.4	25.0	1,129	45	42,596	2.7	3,252
Part year	96.8	42.5	2,559	60	10,340	24.7	7,675
None	81.5	24.5	1,532	62	4,122	37.2	15,461
<b>Maintenance Assistance Status</b>							
Cash	90.3	32.9	1,973	60	6,772	29.1	11,038
Medically needy	82.6	23.9	1,190	50	29,837	4.0	2,736
Poverty related	85.7	28.6	1,753	61	9,974	17.6	12,462
Other/unknown	50.0	12.3	812	66	6,106	13.3	152

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

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

TABLE D.4  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	Mean No. of Rx	Mean Rx \$	Rx \$ as % of All Services	No. of Rx, % with:					Mean \$, All Services	Benes	Bene Mos	
				None	More than 0, but 1 or Less	More than 1, but 2 or Less	More than 2, but 5 or Less	More than 5, but 10 or Less				More than 10
<b>All</b>	<b>3.0</b>	<b>\$182</b>	<b>16.7 %</b>	<b>12.9 %</b>	<b>23.7 %</b>	<b>15.6 %</b>	<b>31.3 %</b>	<b>14.4 %</b>	<b>2.1 %</b>	<b>\$1,088</b>	<b>26,388</b>	<b>258,813</b>
<b>Age</b>												
5 and younger	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
6-14	5.8	748	40.7	0.0	0.0	0.0	50.0	50.0	0.0	1,836	2	24
15-20	1.7	144	20.2	21.7	43.5	13.0	17.4	4.3	0.0	712	23	215
21-44	2.6	257	28.2	17.3	30.9	13.3	24.8	11.2	2.4	912	3,166	33,035
45-64	3.8	278	27.3	12.5	19.7	12.0	31.9	18.9	4.9	1,015	4,616	47,186
65-74	3.0	155	26.9	12.8	24.0	16.1	31.0	14.4	1.7	577	7,181	72,680
75-84	2.9	139	13.4	11.0	23.8	17.3	32.8	14.0	1.1	1,036	7,425	73,559
85 and older	2.7	121	4.5	13.6	21.8	17.7	33.4	12.5	1.0	2,655	3,975	32,114
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Basis of Eligibility<sup>c</sup></b>												
Aged	2.9	141	12.1	12.4	23.6	17.1	32.1	13.6	1.2	1,157	17,773	169,995
Disabled	3.3	261	27.3	13.1	24.2	12.7	29.9	16.2	3.9	957	8,498	88,492
Adults	0.8	58	7.6	71.8	15.4	6.8	6.0	0.0	0.0	764	117	326
Children	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Gender</b>												
Female	3.2	171	15.5	10.5	22.9	16.4	33.0	15.0	2.2	1,102	15,648	154,515
Male	2.8	197	18.4	16.4	24.9	14.4	28.8	13.5	1.9	1,067	10,740	104,298
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
<b>Race</b>												
White	3.5	250	21.4	14.8	21.4	13.2	28.7	17.5	4.3	1,169	5,456	52,928
African American	3.4	225	30.5	19.4	22.1	12.6	26.5	14.2	5.1	738	253	2,343
Other/unknown	2.9	163	15.2	12.3	24.3	16.3	32.0	13.6	1.5	1,071	20,679	203,542
<b>use of nursing Facilities<sup>d</sup></b>												
Entire year	3.8	174	2.7	9.6	13.9	15.1	36.5	21.5	3.3	6,553	3,252	21,139
Part year	3.9	234	24.7	3.2	19.4	15.8	37.0	21.2	3.5	944	7,675	84,081
None	2.5	154	37.2	18.5	27.9	15.6	27.4	9.5	1.1	415	15,461	153,593
<b>Maintenance Assistance Status</b>												
Cash	3.1	185	29.1	9.7	24.4	16.1	33.0	14.9	1.9	633	11,038	118,015
Medically needy	3.4	169	4.0	17.4	16.6	13.9	32.6	17.1	2.4	4,229	2,736	19,305
Poverty related	2.9	181	17.6	14.3	24.7	15.6	29.7	13.4	2.2	1,030	12,462	120,696
Other/unknown	2.4	155	13.3	50.0	15.1	11.2	19.1	4.6	0.0	1,164	152	797

Table D4

Dual Eligible Beneficiaries

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

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



TABLE D.5  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BRAND STATUS AND BENEFICIARY CHARACTERISTIC<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	All Rx			Patented Brand-Name Drugs			Off-Patent Brand-Name Drugs			Generic Drugs		
	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx	No. of Rx	Rx \$	\$ per Rx
All	3.0	\$182	\$60	1.4	\$138	\$100	0.2	\$7	\$46	1.5	\$36	\$24
<b>Age</b>												
5 and younger	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
6-14	5.8	748	129	2.7	676	250	0.0	1	21	3.0	71	23
15-20	1.7	144	86	0.7	115	158	0.1	4	54	0.9	25	29
21-44	2.6	257	99	1.1	207	180	0.1	10	69	1.3	40	31
45-64	3.8	278	73	1.6	211	133	0.2	11	53	2.0	55	27
65-74	3.0	155	51	1.4	117	82	0.1	6	42	1.4	32	22
75-84	2.9	139	48	1.4	104	75	0.1	6	39	1.4	29	21
85 and older	2.7	121	44	1.2	85	74	0.2	5	35	1.4	30	21
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Basis of Eligibility<sup>d</sup></b>												
Aged	2.9	141	49	1.4	105	78	0.1	6	39	1.4	30	22
Disabled	3.3	261	78	1.4	202	142	0.2	10	56	1.7	48	28
Adults	0.8	58	74	0.3	36	108	0.0	2	47	0.4	20	50
Children	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Gender</b>												
Female	3.2	171	54	1.5	129	87	0.2	8	44	1.5	35	23
Male	2.8	197	69	1.2	152	124	0.1	7	50	1.5	37	26
Unknown	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0
<b>Race</b>												
White	3.5	250	72	1.4	192	134	0.2	10	52	1.8	47	25
African American	3.4	225	66	1.4	175	127	0.2	10	49	1.8	40	22
Other/unknown	2.9	163	56	1.4	124	91	0.1	7	44	1.4	33	24
<b>Use of Nursing Facilities<sup>e</sup></b>												
Entire year	3.8	174	45	1.5	115	79	0.3	12	41	2.1	46	22
Part year	3.9	234	60	1.7	178	102	0.2	9	46	1.9	47	24
None	2.5	154	62	1.2	120	103	0.1	6	48	1.2	29	24
<b>Maintenance Assistance Status</b>												
Cash	3.1	185	60	1.5	142	97	0.1	7	47	1.5	36	25
Medically needy	3.4	169	50	1.3	118	89	0.2	9	40	1.8	41	23
Poverty related	2.9	181	61	1.3	138	106	0.2	8	47	1.5	35	24
Other/unknown	2.4	155	66	1.1	106	99	0.2	6	39	1.1	42	38

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

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

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

TABLE D.6

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

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			\$ per Rx			Users							
	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Total	Patented Brand-Name	Off-Patent Brand-Name	Total No. of Rx	Total Rx \$	No. Dual Benes	As % of Bene Mos				
														Generic	Generic	Generic	Generic
Anti-infective Agents	0.3	0.1	0.0	0.2	\$28	\$24	\$1	\$3	\$91	\$166	\$90	\$17	40,799	\$3,693,581	12,362	46.8 %	132,790
Biologics	0.1	0.1	0.0	0.1	70	3	23	45	503	41	2,110	669	167	83,997	111	0.4	1,195
Antineoplastic Agents	0.4	0.2	0.0	0.3	86	60	1	25	198	346	150	98	4,383	866,187	1,076	4.1	10,098
Endocrine/Metabolic Drugs	0.9	0.5	0.1	0.3	48	38	2	8	54	75	25	27	102,913	5,532,359	10,940	41.5	114,808
Cardiovascular Agents	1.4	0.6	0.1	0.7	61	42	3	16	44	66	39	24	221,176	9,737,490	15,535	58.9	159,873
Respiratory Agents	0.5	0.3	0.0	0.3	24	18	1	5	44	72	52	18	54,975	2,431,834	9,545	36.2	103,207
Gastrointestinal Agents	0.5	0.1	0.0	0.4	25	18	1	6	52	162	66	17	41,540	2,154,135	8,176	31.0	86,544
Genitourinary Agents	0.4	0.3	0.0	0.1	26	24	0	2	60	71	47	18	12,035	721,597	2,628	10.0	27,871
CNS Drugs	1.0	0.5	0.0	0.5	99	79	2	18	97	161	85	36	99,201	9,608,789	9,327	35.3	97,499
Stimulants/Anti-obesity/Anorexia	0.5	0.1	0.1	0.3	36	18	6	13	75	128	81	47	480	36,087	92	0.3	999
Miscellaneous Psychological/Neurological Agents	0.6	0.5	0.0	0.0	68	67	0	1	121	123	0	37	6,083	734,826	1,098	4.2	10,801
Analgesics and Anesthetics	0.6	0.2	0.0	0.4	38	29	2	7	63	140	79	20	72,557	4,574,636	11,400	43.2	121,310
Neuromuscular Agents	0.9	0.4	0.1	0.4	55	39	6	10	65	109	51	26	45,391	2,932,339	5,003	19.0	52,892
Nutritional Products	0.5	0.0	0.0	0.4	9	0	1	8	20	29	26	20	11,306	228,109	2,512	9.5	24,440
Hematological Agents	0.7	0.3	0.0	0.3	47	40	1	6	71	121	28	20	23,616	1,665,688	3,538	13.4	35,804
Topical Products	0.4	0.2	0.0	0.2	14	9	0	4	35	57	48	20	47,323	1,677,849	11,149	42.3	120,641
Miscellaneous Products	0.4	0.1	0.0	0.2	69	40	11	17	180	435	290	68	1,610	290,585	455	1.7	4,230
Unknown Therapeutic Category	0.2	0.0	0.0	0.0	6	0	0	0	26	0	0	0	961	25,130	414	1.6	4,437
<b>TOTAL NO. OF RX AND RX \$</b>	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	786,516	46,995,218	n.a.	n.a.	n.a.

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

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

TABLE D.7

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP<sup>a, b, c</sup>  
DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Top 10 Drug Groups	Users			Among Users			
	Total Medicaid Rx \$	No.	As % of Dual Benes	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo
ANTIPSYCHOTICS	\$6,568,247	4,299	16.3 %	47,550	0.8	\$184	\$138
ANTHYPERLIPIDEMIC	3,603,883	6,770	25.7	75,441	0.6	82	48
ANTIHYPERTENSIVE	3,049,023	10,876	41.2	118,067	0.6	45	26
ANTI-DIABETIC	2,923,643	7,367	27.9	80,025	0.6	57	37
ANTICONVULSANT	2,323,788	3,638	13.8	39,836	0.7	80	58
ANTIDEPRESSANTS	2,252,764	5,651	21.4	60,582	0.6	65	37
ANALGESICS - Narcotic	2,223,292	8,576	32.5	92,513	0.4	68	24
MISC. ENDOCRINE	2,200,895	4,581	17.4	51,081	0.5	86	43
ANTIVIRAL	2,009,101	1,270	4.8	14,076	0.4	365	143
ANALGESICS - ANTI-INFLAMMATORY	1,889,299	7,677	29.1	86,386	0.3	68	22
Total	29,043,935	60,705		665,557	n.a.	n.a.	n.a.

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

a. Table D.7 includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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

TABLE D.7A  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED  
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	All Top 10 Drug Groups					ANTI-PSYCHOTICS					ANTI-HYPERLIPIDEMIC						
	No. of Rx	Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
<b>All</b>	<b>354,447</b>	<b>\$29,043,935</b>	<b>4,299</b>	<b>16.3 %</b>	<b>47,550</b>	<b>0.8</b>	<b>\$138</b>	<b>6,770</b>	<b>25.7 %</b>	<b>75,441</b>	<b>0.6</b>	<b>\$48</b>	<b>6,770</b>	<b>25.7 %</b>	<b>75,441</b>	<b>0.6</b>	<b>\$48</b>
<b>Female</b>	219,661	15,684,078	2,049	13.1	22,540	0.7	112	4,427	28.3	49,547	0.6	48	4,427	28.3	49,547	0.6	48
<b>Disabled</b>	72,715	6,436,769	1,257	32.1	14,247	0.8	134	928	23.7	10,467	0.6	47	928	23.7	10,467	0.6	47
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	12	117	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	16	377	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	17,377	1,860,638	461	38.8	5,113	0.7	138	105	8.8	1,217	0.6	45	105	8.8	1,217	0.6	45
45-64	46,780	4,031,690	726	32.7	8,338	0.8	137	647	29.2	7,196	0.6	47	647	29.2	7,196	0.6	47
65-74	6,967	451,560	55	14.8	619	0.7	91	150	40.4	1,753	0.6	52	150	40.4	1,753	0.6	52
75-84	1,374	82,267	13	12.5	153	0.5	51	25	24.0	289	0.6	43	25	24.0	289	0.6	43
85 and older	189	10,120	2	7.1	24	0.6	46	1	3.6	12	0.9	61	1	3.6	12	0.9	61
<b>Other Eligibles</b>	146,946	9,247,309	792	6.8	8,293	0.6	75	3,499	29.8	39,080	0.6	48	3,499	29.8	39,080	0.6	48
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	29	1,453	1	4.5	3	0.3	7	0	0.0	0	0.0	0	0	0.0	0	0.0	0
45-64	12	718	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	61,833	4,072,654	276	6.6	3,072	0.6	95	1,660	39.6	18,568	0.6	48	1,660	39.6	18,568	0.6	48
75-84	61,309	3,812,539	320	6.9	3,398	0.6	67	1,496	32.3	16,817	0.6	47	1,496	32.3	16,817	0.6	47
85 and older	23,763	1,359,945	195	6.8	1,820	0.6	55	343	12.0	3,695	0.6	47	343	12.0	3,695	0.6	47
<b>Male</b>	134,786	13,359,857	2,250	20.9	25,010	0.8	161	2,343	21.8	25,894	0.6	48	2,343	21.8	25,894	0.6	48
<b>Disabled</b>	77,031	9,806,370	1,872	40.9	21,161	0.8	179	929	20.3	10,386	0.6	47	929	20.3	10,386	0.6	47
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	9	1,436	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	121	13,584	5	35.7	60	0.6	87	1	7.1	12	0.7	12	1	7.1	12	0.7	12
21-44	30,214	4,620,974	989	51.6	11,111	0.8	180	258	13.5	2,895	0.6	45	258	13.5	2,895	0.6	45
45-64	42,618	4,896,056	833	35.4	9,492	0.8	181	572	24.3	6,365	0.6	48	572	24.3	6,365	0.6	48
65-74	3,427	233,337	33	14.1	372	0.8	129	85	36.3	974	0.7	56	85	36.3	974	0.7	56
75-84	528	36,926	10	20.4	120	0.8	120	11	22.4	116	0.7	61	11	22.4	116	0.7	61
85 and older	114	4,057	2	13.3	6	0.3	6	2	13.3	24	0.1	6	2	13.3	24	0.1	6
<b>Other Eligibles</b>	57,755	3,553,487	378	6.1	3,849	0.6	67	1,414	23.0	15,508	0.6	48	1,414	23.0	15,508	0.6	48
5 and younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	54	3,211	5	12.2	20	0.3	41	1	2.4	2	0.5	48	1	2.4	2	0.5	48
45-64	5	293	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	26,476	1,779,692	136	5.7	1,477	0.6	88	695	29.1	7,595	0.6	49	695	29.1	7,595	0.6	49
75-84	24,431	1,409,969	142	5.4	1,499	0.5	57	622	23.6	6,907	0.6	48	622	23.6	6,907	0.6	48
85 and older	6,789	360,322	95	8.9	853	0.5	47	96	9.0	1,004	0.6	47	96	9.0	1,004	0.6	47
<b>Unknown</b>	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

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

a. Table D.7A includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mdmb.asp](http://www.Medi-Span.com/products/product_mdmb.asp) (May 13 2003).

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

TABLE D.7B  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	ANTIHYPERTENSIVE					ANTI-DIABETIC					ANTICONVULSANT				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean Rx	Mean Rx \$
<b>All</b>	<b>10,876</b>	<b>41.2 %</b>	<b>118,067</b>	<b>0.6</b>	<b>\$26</b>	<b>7,367</b>	<b>27.9 %</b>	<b>80,025</b>	<b>0.6</b>	<b>\$37</b>	<b>3,638</b>	<b>13.8 %</b>	<b>39,836</b>	<b>0.7</b>	<b>\$58</b>
<b>Female</b>															
<b>Disabled</b>															
5 and younger	6,751	43.1	73,750	0.6	26	4,762	30.4	52,175	0.6	36	1,967	12.6	21,536	0.7	54
6-14	1,329	33.9	14,787	0.6	27	1,205	30.8	13,479	0.6	41	1,138	29.1	12,642	0.8	66
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	1	100.0	12	0.9	9	0	0.0	0	0.0	0	0	0.0	0	0.0	0
45-64	202	17.0	2,272	0.5	24	220	18.5	2,532	0.6	42	389	32.8	4,330	0.8	77
65-74	872	39.3	9,631	0.6	28	803	36.2	8,823	0.6	42	692	31.2	7,668	0.8	61
75-84	193	52.0	2,212	0.6	25	154	41.5	1,794	0.6	36	47	12.7	545	0.6	43
85 and older	50	48.1	553	0.6	30	26	25.0	312	0.7	33	6	5.8	63	0.5	22
<b>Other Eligibles</b>															
5 and younger	11	39.3	107	0.6	23	2	7.1	18	0.7	14	1	3.6	12	0.1	7
6-14	5,422	46.2	58,963	0.6	26	3,557	30.3	38,696	0.6	34	829	7.1	8,894	0.6	37
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
45-64	1	4.5	11	0.5	19	0	0.0	0	0.0	0	1	4.5	3	0.3	12
65-74	1	5.6	5	0.6	24	0	0.0	0	0.0	0	0	0.0	0	0.0	0
75-84	2,108	50.3	23,236	0.6	27	1,684	40.2	18,771	0.6	38	325	7.8	3,639	0.6	38
85 and older	2,311	49.8	25,514	0.6	26	1,464	31.6	15,901	0.6	32	347	7.5	3,789	0.6	38
<b>Male</b>															
<b>Disabled</b>															
5 and younger	1,001	35.0	10,197	0.6	26	409	14.3	4,024	0.7	26	156	5.4	1,463	0.6	31
6-14	4,125	38.4	44,317	0.6	25	2,605	24.3	27,850	0.6	38	1,671	15.6	18,300	0.8	64
15-20	1,278	27.9	14,086	0.6	25	1,077	23.5	11,761	0.6	42	1,239	27.0	13,837	0.8	71
21-44	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
45-64	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	6	42.9	58	0.4	16	1	7.1	12	0.3	5	3	21.4	36	0.9	65
75-84	336	17.5	3,746	0.6	24	277	14.5	3,073	0.6	41	555	29.0	6,186	0.8	74
85 and older	789	33.5	8,620	0.6	25	716	30.4	7,789	0.6	42	641	27.3	7,189	0.8	71
<b>Other Eligibles</b>															
5 and younger	120	51.3	1,348	0.6	27	73	31.2	793	0.7	45	33	14.1	342	0.8	37
6-14	22	44.9	254	0.6	26	9	18.4	82	1.0	45	5	10.2	60	0.5	13
15-20	5	33.3	60	0.5	22	1	6.7	12	1.0	15	2	13.3	24	0.7	63
21-44	2,847	46.2	30,231	0.6	25	1,528	24.8	16,089	0.6	35	432	7.0	4,463	0.6	40
45-64	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
<b>Unknown</b>															
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	3	7.3	14	0.9	29	1	2.4	3	0.3	10	4	9.8	29	0.6	48
45-64	2	7.4	8	0.3	9	2	7.4	5	0.4	15	1	3.7	4	0.3	37
65-74	1,169	49.0	12,671	0.6	25	815	34.1	8,754	0.6	38	177	7.4	1,904	0.6	46
75-84	1,322	50.2	14,093	0.6	25	564	21.4	5,933	0.6	32	171	6.5	1,790	0.6	36
85 and older	351	32.8	3,445	0.6	24	146	13.7	1,394	0.7	31	79	7.4	736	0.7	33

Dual Eligible Beneficiaries

Table D7B

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

a. Table D.7B includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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



TABLE D.7C  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	ANTIDEPRESSANTS					ANALGESICS - Narcotic					MISC. ENDOCRINE				
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
<b>All</b>	<b>5,651</b>	<b>21.4 %</b>	<b>60,582</b>	<b>0.6</b>	<b>\$37</b>	<b>8,576</b>	<b>32.5 %</b>	<b>92,513</b>	<b>0.4</b>	<b>\$24</b>	<b>4,581</b>	<b>17.4 %</b>	<b>51,081</b>	<b>0.5</b>	<b>\$43</b>
<b>Female</b>	3,542	22.6	37,996	0.6	37	5,243	33.5	56,923	0.3	19	4,101	26.2	45,748	0.5	35
<b>Disabled</b>	1,660	42.4	18,275	0.6	42	2,087	53.3	23,122	0.4	32	499	12.7	5,697	0.5	40
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	1	100.0	12	0.1	1	0	0.0	0	0.0	0
15-20	1	14.3	6	0.3	27	5	71.4	48	0.1	1	1	14.3	12	0.1	2
21-44	471	39.7	5,148	0.5	40	544	45.8	6,071	0.4	40	47	4.0	535	0.5	57
45-64	1,079	48.6	11,923	0.6	44	1,306	58.9	14,391	0.5	33	294	13.2	3,316	0.5	37
65-74	84	22.6	924	0.6	37	189	50.9	2,157	0.3	10	120	32.3	1,405	0.5	39
75-84	22	21.2	238	0.5	19	38	36.5	424	0.2	10	30	28.8	357	0.6	42
85 and older	3	10.7	36	0.3	2	4	14.3	19	0.3	3	7	25.0	72	0.6	42
<b>Other Eligibles</b>	1,882	16.0	19,721	0.5	32	3,156	26.9	33,801	0.3	11	3,602	30.7	40,051	0.5	35
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	3	13.6	12	0.8	58	4	18.2	35	0.2	2	0	0.0	0	0.0	0
45-64	1	5.6	1	1.0	148	3	16.7	9	0.6	27	1	5.6	5	0.6	42
65-74	704	16.8	7,768	0.5	31	1,355	32.4	15,193	0.3	10	1,335	31.9	14,993	0.5	34
75-84	737	15.9	7,802	0.5	33	1,210	26.1	13,298	0.2	9	1,511	32.6	17,167	0.5	35
85 and older	437	15.3	4,138	0.6	32	584	20.4	5,266	0.3	16	755	26.4	7,886	0.5	36
<b>Male</b>	2,109	19.6	22,586	0.6	38	3,333	31.0	35,590	0.4	31	480	4.5	5,333	0.5	110
<b>Disabled</b>	1,391	30.4	15,275	0.6	43	1,848	40.3	20,120	0.5	45	119	2.6	1,363	0.6	332
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	4	28.6	48	0.3	4	0	0.0	0	0.0	0
21-44	575	30.0	6,298	0.6	45	628	32.8	6,870	0.4	49	40	2.1	458	0.6	651
45-64	767	32.6	8,433	0.6	42	1,103	46.9	12,018	0.5	47	67	2.8	770	0.6	194
65-74	44	18.8	493	0.4	24	96	41.0	1,026	0.3	6	7	3.0	84	0.6	38
75-84	4	8.2	39	0.5	30	11	22.4	97	0.2	5	4	8.2	39	0.2	14
85 and older	1	6.7	12	0.3	1	6	40.0	61	0.4	5	1	6.7	12	0.3	16
<b>Other Eligibles</b>	718	11.7	7,311	0.6	28	1,485	24.1	15,470	0.3	14	361	5.9	3,970	0.4	33
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
21-44	3	7.3	6	0.5	35	4	9.8	33	0.3	6	0	0.0	0	0.0	0
45-64	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0
65-74	302	12.6	3,346	0.5	29	717	30.0	7,868	0.3	20	98	4.1	1,100	0.5	49
75-84	281	10.7	2,766	0.5	25	570	21.6	5,952	0.2	7	192	7.3	2,140	0.4	29
85 and older	132	12.3	1,193	0.6	28	194	18.1	1,617	0.3	13	71	6.6	730	0.4	22
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Table D7C

Dual Eligible Beneficiaries

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

- a. Table D.7C includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
  - b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
  - c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- Bene(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

TABLE D.7D  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS  
 SEPARATELY, BY SEX, BOE, AND AGE<sup>a, b, c</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	ANTIVIRAL				ANALGESICS - ANTI-INFLAMMATORY				Mean Rx \$	Mean No. of Rx	Users as % of Dual Benes	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Bene Mos among Users	Users as % of Dual Benes	No. of Users	No. of Bene Mos
	No. of Users	Users as % of Dual Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	Users as % of Dual Benes	No. of Users											
<b>All</b>	1,270	4.8 %	14,076	0.4	\$143	7,677	29.1 %	86,386	\$22	0.3	26,388	258,813							
<b>Female</b>	506	3.2	5,715	0.2	60	4,930	31.5	55,708	24	0.3	15,648	154,515							
<b>Disabled</b>	216	5.5	2,447	0.3	116	1,170	29.9	13,321	18	0.3	3,917	41,101							
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
6-14	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
15-20	1	14.3	12	0.1	2	1	14.3	6	4	0.5	7	61							
21-44	68	5.7	790	0.3	139	299	25.2	3,391	6	0.2	1,187	12,585							
45-64	126	5.7	1,411	0.4	120	650	29.3	7,357	21	0.3	2,219	23,050							
65-74	17	4.6	195	0.2	21	181	48.8	2,132	23	0.3	371	4,091							
75-84	3	2.9	27	0.1	6	36	34.6	399	25	0.3	104	1,074							
85 and older	1	3.6	12	0.2	19	3	10.7	36	58	0.7	28	228							
<b>Other Eligibles</b>	290	2.5	3,268	0.1	19	3,760	32.1	42,387	26	0.3	11,731	113,414							
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
6-14	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
15-20	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
21-44	1	4.5	11	0.2	39	1	4.5	11	2	0.2	22	77							
45-64	0	0.0	0	0.0	0	0	0.0	0	0	0.0	18	40							
65-74	118	2.8	1,352	0.2	25	1,691	40.4	19,218	24	0.3	4,188	42,872							
75-84	110	2.4	1,282	0.1	16	1,546	33.3	17,621	27	0.3	4,638	46,877							
85 and older	61	2.1	623	0.1	8	522	18.2	5,537	31	0.4	2,863	23,546							
<b>Male</b>	764	7.1	8,361	0.5	199	2,747	25.6	30,678	18	0.3	10,740	104,298							
<b>Disabled</b>	619	13.5	6,771	0.6	235	999	21.8	11,225	9	0.3	4,581	47,391							
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
6-14	2	200.0	24	0.4	60	0	0.0	0	0	0.0	1	12							
15-20	2	14.3	18	0.3	260	2	14.3	24	3	0.1	14	152							
21-44	338	17.6	3,627	0.6	245	350	18.3	3,903	4	0.2	1,916	20,237							
45-64	262	11.1	2,931	0.6	236	546	23.2	6,144	11	0.3	2,352	24,039							
65-74	13	5.6	147	0.3	47	85	36.3	989	18	0.3	234	2,371							
75-84	1	2.0	12	0.1	2	10	20.4	93	24	0.3	49	451							
85 and older	1	6.7	12	0.3	7	6	40.0	72	4	0.2	15	129							
<b>Other Eligibles</b>	145	2.4	1,590	0.2	46	1,748	28.4	19,453	23	0.3	6,159	56,907							
5 and younger	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
6-14	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
15-20	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							
21-44	1	2.4	2	0.5	5	2	4.9	18	3	0.2	41	136							
45-64	0	0.0	0	0.0	0	0	0.0	0	0	0.0	27	57							
65-74	59	2.5	661	0.3	98	729	30.5	8,148	21	0.3	2,388	23,346							
75-84	64	2.4	723	0.1	10	836	31.7	9,334	23	0.3	2,634	25,157							
85 and older	21	2.0	204	0.1	7	181	16.9	1,953	26	0.4	1,069	8,211							
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0							

Table D7D

Dual Eligible Beneficiaries

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

a. Table D.7D includes the beneficiaries represented by Cell G of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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

TABLE D.8  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BENEFICIARY CHARACTERISTIC<sup>a, b</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	Rx \$ per Bene Mo	No. of Rx per Bene Mo	No. of All-Year NF Residents	Bene Mos among All-Year NF Residents
<b>All</b>	<b>\$174</b>	<b>3.8</b>	<b>3,252</b>	<b>21,139</b>
<b>Age</b>				
0-64	248	4.8	260	1,835
65-74	197	4.4	365	2,450
75-84	185	4.0	1,061	7,361
85 and older	145	3.4	1,566	9,493
Unknown	0	0.0	0	0
<b>Gender</b>				
Female	175	3.8	2,110	13,997
Male	172	3.9	1,142	7,142
Unknown	0	0.0	0	0
<b>Race</b>				
White	202	4.3	626	4,326
African American	420	7.7	10	50
Other/unknown	166	3.7	2,616	16,763
<b>Basis of Eligibility<sup>c</sup></b>				
Aged	167	3.8	2,930	18,907
Disabled	229	4.6	321	2,231
Adults	0	0.0	1	1
Children	0	0.0	0	0
Unknown	0	0.0	0	0

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

a. Table D.8 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their 2002 Medicaid enrollment. A total of 7,675 beneficiaries who were in nursing facilities for part of their enrollment and their 84,081 benefit months were excluded from the analysis. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

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

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

TABLE D.9  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY BRAND STATUS AND THERAPEUTIC CATEGORY<sup>a, b, c, d, e</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Therapeutic Category	No. of Rx per Bene Mo among Users				\$ per Bene Mo among Users				Total # of Rx	Total Rx \$	No. Residents	As % of Dual All-Year NF Residents	No. of Bene Mos				
	Total	Patented	Off-Patent	Generic	Total	Patented	Off-Patent	Generic									
		Brand-Name	Brand-Name	Brand-Name		Brand-Name	Brand-Name	Brand-Name									
Anti-infective Agents	0.4	0.2	0.0	0.1	\$21	\$17	\$1	\$2	\$57	\$84	\$92	\$15	4,159	\$238,587	1,473	45.3 %	11,440
Biologics	0.2	0.1	0.0	0.1	7	5	0	2	34	49	0	19	10	339	6	0.2	48
Antineoplastic Agents	0.5	0.1	0.0	0.4	70	16	1	53	136	179	143	128	947	129,264	292	9.0	1,856
Endocrine/Metabolic Drugs	1.0	0.5	0.2	0.3	36	27	3	6	36	56	18	18	9,465	338,536	1,277	39.3	9,384
Cardiovascular Agents	1.6	0.4	0.1	1.1	45	21	5	19	29	53	37	18	20,446	583,796	1,906	58.6	12,991
Respiratory Agents	0.5	0.2	0.0	0.3	24	16	0	8	49	76	42	28	2,944	143,001	803	24.7	5,878
Gastrointestinal Agents	0.7	0.1	0.0	0.6	24	12	1	12	33	114	53	19	5,708	188,751	1,066	32.8	7,900
Genitourinary Agents	0.6	0.4	0.0	0.2	28	24	0	4	47	60	44	19	2,030	94,726	418	12.9	3,401
CNS Drugs	1.1	0.6	0.1	0.4	66	51	3	11	62	91	69	24	10,130	626,430	1,290	39.7	9,563
Stimulants/Anti-obesity/Anorexia	0.4	0.0	0.0	0.4	8	0	0	8	20	0	0	20	6	120	2	0.1	15
Miscellaneous Psychological/Neurological Agents	0.8	0.8	0.0	0.0	88	88	0	0	112	113	0	12	1,819	204,340	301	9.3	2,313
Analgesics and Anesthetics	0.7	0.3	0.0	0.4	36	29	1	6	54	108	48	15	4,522	244,929	990	30.4	6,877
Neuromuscular Agents	1.1	0.4	0.2	0.4	61	32	13	17	57	76	54	39	6,245	354,101	730	22.4	5,773
Nutritional Products	0.6	0.0	0.0	0.6	9	0	1	8	15	26	23	15	2,324	35,729	579	17.8	3,932
Hematological Agents	0.9	0.4	0.0	0.4	60	54	1	6	68	123	18	14	3,799	259,006	593	18.2	4,304
Topical Products	0.5	0.2	0.0	0.3	17	9	1	8	35	55	75	24	6,087	214,644	1,471	45.2	12,383
Miscellaneous Products	0.3	0.0	0.0	0.3	9	2	0	7	33	133	0	27	339	11,119	165	5.1	1,183
Unknown Therapeutic Category	0.6	0.0	0.0	0.0	10	0	0	0	17	0	0	0	240	4,144	55	1.7	422
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.	81,220	3,671,562	n.a.	n.a.	n.a.

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

- a. Table D.9 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 7,675 beneficiaries who were in nursing facilities for part of their enrollment and their 84,081 benefit months were excluded from the analysis.
- b. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2002. A beneficiary who used drugs from two or more categories was counted as a user for each category. Therefore, the sum of users across categories may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- d. For information about these therapeutic categories, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- e. Brand-name drugs, sometimes called "innovator single-source drugs," are drugs whose patents have not yet expired. Off-patent brand-name drugs, sometimes called "innovator multiple-source drugs," are brand-name drugs whose patents have expired. Generic drugs, sometimes called "non-innovator multiple-source drugs," are off-patent drugs manufactured and sold by companies other than the original patent holder. For information about this classification method, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003). In Hawaii, 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.

Table D9

Dual Eligible Beneficiaries

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

TABLE D.10  
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,  
 BY TOP-10 DRUG GROUP<sup>a, b, c, d</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Top 10 Drug Groups in Nursing Facilities	Users				Among Users		
	Total Medicaid Rx \$	No. of Users	As % of All-Year NF Residents	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo
ANTIDEPRESSANTS	\$298,874	736	22.6 %	6,498	0.8	\$56	\$46
ANTIPSYCHOTICS	272,772	365	11.2	3,268	0.7	116	83
ANTIHYPERTENSIVE	211,230	848	26.1	7,375	0.8	35	29
ANTICONVULSANT	214,444	413	12.7	3,961	0.9	58	54
ANTIDIABETIC	177,894	649	20.0	5,629	0.9	37	32
MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL	204,340	240	7.4	2,131	0.9	112	96
DERMATOLOGICAL	171,375	2,369	72.8	23,048	0.2	30	7
ANTINEOPLASTICS	129,264	257	7.9	1,773	0.5	136	73
MISC. HEMATOLOGICAL	157,245	217	6.7	2,044	0.9	89	77
MISC. ENDOCRINE	155,408	401	12.3	3,621	0.7	63	43
<b>Total</b>	<b>1,992,846</b>	<b>6,495</b>		<b>59,348</b>	<b>n.a.</b>	<b>n.a.</b>	<b>n.a.</b>

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

a. Table D.10 includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 7,675 beneficiaries who were in nursing facilities for part of their enrollment and their 84,081 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

d. The top 10 drug groups were determined based on total 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mdmb.asp](http://www.Medi-Span.com/products/product_mdmb.asp) (May 13 2003).

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



TABLE D.10A

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

Beneficiary Characteristics	All Top 10 Drug Groups					ANTIDEPRESSANTS					ANTIPSYCHOTICS				
	No. of Rx	Rx \$	Users as %			Mean Rx \$	No. of Bene Mos among Users	Mean No. of Rx	Users as %			Mean No. of Rx	No. of Bene Mos among Users	Mean No. of Rx	
			No. of Users	Residents	NF				No. of Users	Residents	NF				
<b>All</b>	<b>34,961</b>	<b>\$1,992,846</b>	<b>736</b>	<b>22.6 %</b>	<b>6,498</b>	<b>0.8</b>	<b>\$46</b>	<b>365</b>	<b>11.2 %</b>	<b>3,268</b>	<b>0.7</b>	<b>\$84</b>			
<b>Female</b>	23,276	1,374,945	491	23.3	4,374	0.8	47	230	10.9	2,068	0.7	90			
<b>Disabled</b>	2,215	149,556	38	26.0	398	0.8	48	25	17.1	264	0.7	123			
64 or younger	1,839	130,315	31	27.2	342	0.8	48	23	20.2	240	0.7	131			
65-74	257	11,445	3	17.6	27	0.9	63	0	0.0	0	0.0	0			
75-84	76	5,980	4	40.0	29	0.3	25	2	20.0	24	0.4	51			
85 and older	43	1,816	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
<b>Other Eligibles</b>	21,061	1,225,389	453	23.1	3,976	0.8	47	205	10.4	1,804	0.7	85			
64 or younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
65-74	2,510	137,763	53	29.1	533	0.8	47	24	13.2	259	0.8	100			
75-84	9,161	551,494	204	31.5	1,855	0.8	51	90	13.9	836	0.8	84			
85 and older	9,390	536,132	196	17.3	1,588	0.8	42	91	8.0	709	0.7	82			
<b>Male</b>	11,685	617,901	245	21.5	2,124	0.8	44	135	11.8	1,200	0.7	72			
<b>Disabled</b>	2,233	128,267	38	21.7	327	0.9	47	27	15.4	253	1.0	130			
64 or younger	2,000	118,313	35	24.1	291	1.0	49	23	15.9	232	1.0	134			
65-74	163	6,705	1	5.9	12	0.9	77	2	11.8	15	0.5	80			
75-84	46	1,535	1	16.7	12	0.6	18	0	0.0	0	0.0	0			
85 and older	24	1,714	1	14.3	12	0.3	1	2	28.6	6	0.3	6			
<b>Other Eligibles</b>	9,452	489,634	207	21.4	1,797	0.8	43	108	11.2	947	0.6	57			
64 or younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			
65-74	2,157	118,926	38	25.5	367	1.0	57	19	12.8	187	0.5	55			
75-84	4,024	211,420	94	23.7	804	0.8	40	46	11.6	442	0.6	59			
85 and older	3,271	159,288	75	17.8	626	0.8	39	43	10.2	318	0.6	54			
<b>Unknown</b>	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0			

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

a. Table D.10A includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 7,675 beneficiaries who were in nursing facilities for part of their enrollment and their 84,081 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

d. The top 10 drug groups were determined based on total 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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

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

Beneficiary Characteristics	ANTIHYPERTENSIVE						ANTICONVULSANT						ANTIDIABETIC					
	Users as %			Users as %			Users as %			Users as %			Users as %			Users as %		
	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx
<b>All</b>	<b>848</b>	<b>26.1 %</b>	<b>0.8</b>	<b>7,375</b>	<b>0.8</b>	<b>\$29</b>	<b>413</b>	<b>12.7 %</b>	<b>0.9</b>	<b>3,961</b>	<b>0.9</b>	<b>\$54</b>	<b>649</b>	<b>20.0 %</b>	<b>0.9</b>	<b>5,629</b>	<b>0.9</b>	<b>\$32</b>
<b>Female</b>	533	25.3	0.8	4,711	0.8	30	251	11.9	0.9	2,421	0.9	54	423	20.0	0.8	3,733	0.8	29
<b>Disabled</b>	42	28.8	0.7	419	0.7	26	48	32.9	1.0	499	1.0	69	42	28.8	0.9	395	0.9	40
64 or younger	25	21.9	0.8	256	0.8	30	47	41.2	1.0	496	1.0	69	35	30.7	0.9	311	0.9	39
65-74	11	64.7	0.7	101	0.7	21	1	5.9	3	3	1.0	44	4	23.5	1.3	48	1.3	43
75-84	4	40.0	0.5	39	0.5	8	0	0.0	0	0	0.0	0	3	30.0	0.3	36	0.3	39
85 and older	2	40.0	0.9	23	0.9	38	0	0.0	0	0	0.0	0	0	0.0	0.0	0	0.0	0
<b>Other Eligibles</b>	491	25.0	0.8	4,292	0.8	31	203	10.3	0.9	1,922	0.9	50	381	19.4	0.8	3,338	0.8	28
64 or younger	0	0.0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0.0	0	0.0	0
65-74	42	23.1	0.9	386	0.9	36	45	24.7	1.0	451	1.0	50	39	21.4	1.1	331	1.1	37
75-84	207	31.9	0.8	1,906	0.8	30	95	14.7	0.9	940	0.9	54	194	29.9	0.8	1,825	0.8	29
85 and older	242	21.4	0.9	2,000	0.9	30	63	5.6	0.8	531	0.8	43	148	13.1	0.8	1,182	0.8	24
<b>Male</b>	315	27.6	0.8	2,664	0.8	26	162	14.2	1.0	1,540	1.0	54	226	19.8	0.9	1,896	0.9	36
<b>Disabled</b>	52	29.7	0.7	479	0.7	25	37	21.1	1.0	359	1.0	77	50	28.6	0.8	447	0.8	41
64 or younger	47	32.4	0.7	438	0.7	25	34	23.4	1.0	323	1.0	78	45	31.0	0.8	432	0.8	40
65-74	2	11.8	0.7	15	0.7	23	3	17.6	1.1	36	1.1	31	4	23.5	0.8	12	0.8	43
75-84	2	33.3	0.9	14	0.9	30	0	0.0	0	0	0.0	0	1	16.7	3	2.3	63	
85 and older	1	14.3	0.5	12	0.5	12	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
<b>Other Eligibles</b>	263	27.2	0.8	2,185	0.8	26	125	12.9	0.9	1,181	0.9	47	176	18.2	0.9	1,449	0.9	35
64 or younger	0	0.0	0.0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
65-74	46	30.9	1.0	418	1.0	37	32	21.5	1.1	293	1.1	65	46	30.9	0.9	394	0.9	40
75-84	106	26.7	0.8	908	0.8	22	55	13.9	0.9	553	0.9	41	68	17.1	0.9	549	0.9	29
85 and older	111	26.4	0.8	859	0.8	26	38	9.0	0.8	335	0.8	42	62	14.7	1.0	506	1.0	38
<b>Unknown</b>	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0	0.0	0

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

a. Table D.10B includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 7,675 beneficiaries who were in nursing facilities for part of their enrollment and their 84,081 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

d. The top 10 drug groups were determined based on total 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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

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

Beneficiary Characteristics	MISC PSYCHOTHERAPEUTIC AND NEUROLOGICAL						DERMATOLOGICAL						ANTINEOPLASTICS					
	Users as %			Users as %			Users as %			Users as %			Users as %			Users as %		
	No. of Users	Residents	Mean No. of Rx	No. of Users	Residents	Mean No. of Rx	No. of Users	Residents	Mean No. of Rx	No. of Users	Residents	Mean No. of Rx	No. of Users	Residents	Mean No. of Rx	No. of Users	Residents	Mean No. of Rx
<b>All</b>	240	7.4 %	0.9	2,131	2,369	\$96	2,369	72.8 %	0.2	23,048	257	\$7	257	7.9 %	1,773	0.5	\$73	
<b>Female</b>	170	8.1	0.8	1,540	1,494	99	1,494	70.8	0.2	14,550	190	7	190	9.0	1,363	0.6	73	
<b>Disabled</b>	2	1.4	0.6	20	117	424	117	80.1	0.3	1,192	9	7	9	6.2	62	0.6	73	
64 or younger	2	1.8	0.6	20	89	424	89	78.1	0.3	918	6	7	6	5.3	54	0.7	65	
65-74	0	0.0	0.0	0	17	0	17	100.0	0.2	195	1	5	1	5.9	3	0.3	87	
75-84	0	0.0	0.0	0	8	0	8	80.0	0.3	49	2	17	2	20.0	5	0.6	140	
85 and older	0	0.0	0.0	0	3	0	3	60.0	0.4	30	0	7	0	0.0	0	0.0	0	
<b>Other Eligibles</b>	168	8.6	0.9	1,520	1,377	94	1,377	70.1	0.2	13,358	181	7	181	9.2	1,301	0.6	73	
64 or younger	0	0.0	0.0	0	0	0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	
65-74	7	3.8	0.7	75	160	64	160	87.9	0.2	1,613	18	7	18	9.9	164	0.5	46	
75-84	70	10.8	0.8	678	501	92	501	77.3	0.2	5,091	56	7	56	8.6	453	0.5	64	
85 and older	91	8.0	0.9	767	716	99	716	63.2	0.2	6,654	107	8	107	9.4	684	0.6	85	
<b>Male</b>	70	6.1	0.9	591	875	89	875	76.6	0.3	8,498	67	8	67	5.9	410	0.4	74	
<b>Disabled</b>	2	1.1	0.4	15	175	40	175	100.0	0.3	1,851	5	8	5	2.9	45	0.5	20	
64 or younger	1	0.7	0.3	12	140	32	140	96.6	0.3	1,480	5	8	5	3.4	45	0.5	20	
65-74	0	0.0	0.0	0	24	0	24	141.2	0.3	271	0	10	0	0.0	0	0.0	0	
75-84	0	0.0	0.0	0	6	0	6	100.0	0.2	60	0	3	0	0.0	0	0.0	0	
85 and older	1	14.3	1.0	3	5	70	5	71.4	0.2	40	0	2	0	0.0	0	0.0	0	
<b>Other Eligibles</b>	68	7.0	0.9	576	700	90	700	72.4	0.3	6,647	62	8	62	6.4	365	0.4	80	
64 or younger	0	0.0	0.0	0	0	0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	
65-74	7	4.7	1.0	68	132	133	132	88.6	0.3	1,405	9	11	9	6.0	43	0.6	54	
75-84	35	8.8	0.9	310	307	89	307	77.3	0.2	2,952	22	7	22	5.5	165	0.4	93	
85 and older	26	6.2	0.8	198	261	77	261	62.0	0.2	2,290	31	6	31	7.4	157	0.4	75	
<b>Unknown</b>	0	0.0	0.0	0	0	0	0	0.0	0.0	0	0	0	0	0.0	0	0.0	0	

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

- a. Table D.10C includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 7,675 beneficiaries who were in nursing facilities for part of their enrollment and their 84,081 benefit months were excluded from the analysis.
  - b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
  - c. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
  - d. The top 10 drug groups were determined based on total 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).
- BOE = basis of eligibility; CMS = Center for Medicare and Medicaid Services; MAX = Medicaid Analytic Extract; NF = nursing facility; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.

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

Beneficiary Characteristics	MISC. HEMATOLOGICAL					MISC. ENDOCRINE						
	Users as %		No. of Bene		Mean Rx	Users as %		No. of Bene		Mean Rx		
	No. of Users	Residents	NF	All-Year		Residents	NF	All-Year	Residents			
<b>All</b>	<b>217</b>	<b>6.7 %</b>	<b>2,044</b>	<b>0.9</b>	<b>\$77</b>	<b>401</b>	<b>12.3 %</b>	<b>3,621</b>	<b>0.7</b>	<b>\$43</b>	<b>3,252</b>	<b>21,139</b>
<b>Female</b>	131	6.2	1,314	0.9	80	363	17.2	3,279	0.7	42	2,110	13,997
<b>Disabled</b>	16	11.0	152	0.7	74	8	5.5	72	1.0	60	146	1,000
64 or younger	11	9.6	101	0.7	77	5	4.4	42	0.9	48	114	790
65-74	4	23.5	48	0.7	60	2	11.8	24	0.8	56	17	127
75-84	1	10.0	3	1.7	185	0	0.0	0	0.0	0	10	41
85 and older	0	0.0	0	0.0	0	1	20.0	6	1.8	124	5	42
<b>Other Eligibles</b>	115	5.9	1,162	0.9	80	355	18.1	3,207	0.7	42	1,964	12,997
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	1
65-74	8	4.4	63	0.9	104	26	14.3	211	0.6	37	182	1,203
75-84	55	8.5	603	0.8	80	128	19.8	1,226	0.7	43	648	4,747
85 and older	52	4.6	496	0.9	77	201	17.7	1,770	0.7	42	1,133	7,046
<b>Male</b>	86	7.5	730	0.9	72	38	3.3	342	0.7	50	1,142	7,142
<b>Disabled</b>	10	5.7	70	0.6	59	5	2.9	51	0.9	59	175	1,231
64 or younger	9	6.2	68	0.6	60	5	3.4	51	0.9	59	145	1,044
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	17	116
75-84	1	16.7	2	1.0	15	0	0.0	0	0.0	0	6	38
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	7	33
<b>Other Eligibles</b>	76	7.9	660	0.9	74	33	3.4	291	0.7	48	967	5,911
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0
65-74	10	6.7	78	1.1	111	7	4.7	69	0.7	33	149	1,004
75-84	39	9.8	357	0.9	68	12	3.0	102	0.6	69	397	2,535
85 and older	27	6.4	225	0.9	70	14	3.3	120	0.7	40	421	2,372
<b>Unknown</b>	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0

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

a. Table D.10D includes the beneficiaries represented by Cell H of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 7,675 beneficiaries who were in nursing facilities for part of their enrollment and their 84,081 benefit months were excluded from the analysis.

b. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

d. The top 10 drug groups were determined based on total 2002 Medicaid reimbursement for all-year nursing facility residents in this state. For information about these drug groups, see Wolters Kluwer Health, [http://www.Medi-Span.com/products/product\\_mddb.asp](http://www.Medi-Span.com/products/product_mddb.asp) (May 13 2003).

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

TABLE D.11  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 AMONG DUALS, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 HAWAII, 2002

Beneficiary Characteristics	No. of Benes with at Least One Part D Excl Rx	% Benes with at Least One Part D Excl Rx	No. of Part D Excl Rx per Bene		Total No. Part D Excl Rx	Total Part D Excl Rx \$	\$ per Part D Excl Rx	Part D Excl Rx as % of All Dual Rx	Total No. of Benes
			7.9	69.6 %					
<b>All</b>	<b>18,367</b>	<b>69.6 %</b>	<b>7.9</b>	<b>69.6 %</b>	<b>209,249</b>	<b>\$2,015,781</b>	<b>\$10</b>	<b>4.3 %</b>	<b>26,388</b>
<b>Age</b>									
5 and younger	0	0.0	0.0	0.0	0	0	0	0.0	0
6-14	2	100.0	11.5	23	204	9	1.1	1.1	2
15-20	11	47.8	3.0	68	1,123	17	3.6	3.6	23
21-44	1,679	53.0	4.6	14,429	239,736	17	2.8	2.8	3,166
45-64	3,046	66.0	7.8	35,972	422,943	12	3.2	3.2	4,616
65-74	4,954	69.0	6.7	48,310	454,379	9	4.0	4.0	7,181
75-84	5,548	74.7	8.3	61,621	526,008	9	5.1	5.1	7,425
85 and older	3,127	78.7	12.3	48,826	371,388	8	9.6	9.6	3,975
Unknown	0	0.0	0.0	0	0	0	0.0	0.0	0
<b>Basis of Eligibility<sup>c</sup></b>									
Aged	12,989	73.1	8.5	150,971	1,273,513	8	5.3	5.3	17,773
Disabled	5,362	63.1	6.9	58,217	738,169	13	3.2	3.2	8,498
Adults	16	13.7	0.5	61	4,099	67	21.7	21.7	117
Children	0	0.0	0.0	0	0	0	0.0	0.0	0
Unknown	0	0.0	0.0	0	0	0	0.0	0.0	0
<b>Gender</b>									
Female	11,538	73.7	8.9	138,923	1,287,014	9	4.9	4.9	15,648
Male	6,829	63.6	6.5	70,326	728,767	10	3.6	3.6	10,740
Unknown	0	0.0	0.0	0	0	0	0.0	0.0	0
<b>Race</b>									
White	3,409	62.5	7.9	42,872	467,737	11	3.5	3.5	5,456
African American	143	56.5	5.8	1,468	14,780	10	2.8	2.8	253
Other/unknown	14,815	71.6	8.0	164,909	1,533,264	9	4.6	4.6	20,679
<b>Use of Nursing Facilities<sup>d</sup></b>									
Entire year	3,039	93.5	19.7	64,036	509,056	8	13.9	13.9	3,252
Part year	6,352	82.8	9.4	72,185	727,480	10	3.7	3.7	7,675
None	8,976	58.1	4.7	73,028	779,245	11	3.3	3.3	15,461
<b>Maintenance Assistance Status</b>									
Cash	8,126	73.6	7.6	83,378	839,750	10	3.9	3.9	11,038
Medically needy	2,145	78.4	14.1	38,444	316,580	8	9.7	9.7	2,736
Poverty related	8,049	64.6	7.0	86,849	852,910	10	3.9	3.9	12,462
Other/unknown	47	30.9	3.8	578	6,541	11	5.3	5.3	152

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

- a. Table D.11 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2002.
- b. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.
- c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.

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

TABLE D.12  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 AMONG DUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC<sup>a,b</sup>  
 HAWAII, 2002

Beneficiary Characteristics	No. Rx per Bene Mo.	Rx \$ per Bene Mo.	\$ per Rx	Barbiturate \$ per Bene Mo.	Benzodiazapine \$ per Bene Mo.	No. of Bene Mos
	0.8	\$8	\$10	\$0	\$1	258,813
<b>Age</b>						
5 and younger	0.0	0	0	0	0	0
6-14	1.0	9	9	0	0	24
15-20	0.3	5	17	0	3	215
21-44	0.4	7	17	0	2	33,035
45-64	0.8	9	12	0	3	47,186
65-74	0.7	6	9	0	1	72,680
75-84	0.8	7	9	0	1	73,559
85 and older	1.5	12	8	0	1	32,114
Unknown	0.0	0	0	0	0	0
<b>Basis of Eligibility<sup>c</sup></b>						
Aged	0.9	7	8	0	1	169,995
Disabled	0.7	8	13	0	3	88,492
Adults	0.2	13	67	0	1	326
Children	0.0	0	0	0	0	0
Unknown	0.0	0	0	0	0	0
<b>Gender</b>						
Female	0.9	8	9	0	1	154,515
Male	0.7	7	10	0	1	104,298
Unknown	0.0	0	0	0	0	0
<b>Race</b>						
White	0.8	9	11	0	3	52,928
African American	0.6	6	10	0	2	2,343
Other/unknown	0.8	8	9	0	1	203,542
<b>Use of Nursing Facilities<sup>d</sup></b>						
Entire year	3.0	24	8	0	1	21,139
Part year	0.9	9	10	0	2	84,081
None	0.5	5	11	0	1	153,593
<b>Maintenance Assistance Status</b>						
Cash	0.7	7	10	0	1	118,015
Medically needy	2.0	16	8	0	1	19,305
Poverty related	0.7	7	10	0	1	120,696
Other/unknown	0.7	8	11	0	3	797

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

- a. Table D.12 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2002.
  - b. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.
  - c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
  - d. Please refer to footnote f on Table 1 for methodology used to determine use of nursing facilities.
- Bene(s) = beneficiary (or beneficiaries); CMS = Center for Medicare and Medicaid Services; Excl = excluded; MAX = Medicaid Analytic Extract, OTC = over-the-counter; Rx = prescription(s) or pharmacy benefit; \$ = Medicaid reimbursement.



TABLE D.13  
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D  
 FOR SELECTED DRUG CATEGORIES AMONG DUALS<sup>a,b,c</sup>  
 HAWAII, 2002

Drug Category	No. Users	Rx \$ per User	Total Rx \$	Rx \$ as % of All Part D Excl Rx \$	Total No. Rx.	\$ per Rx	No. Rx as % of All Part D Excl Rx
<b>All</b>	<b>28,837</b>	<b>\$70</b>	<b>\$2,015,781</b>	<b>100.0 %</b>	<b>209,249</b>	<b>\$10</b>	<b>100.0 %</b>
Anorexia or weight loss/gain	5	252	1,259	0.1	22	57	0.0
Fertility drugs	0	0	0	0.0	0	0	0.0
Drugs for cosmetic purposes	4	14	57	0.0	5	11	0.0
Cough and cold medications	5,746	49	278,915	13.8	14,750	19	7.0
Vitamins and minerals	2,659	97	258,036	12.8	12,892	20	6.2
Non-prescription drugs	15,798	64	1,003,995	49.8	156,477	6	74.8
Barbiturates	225	62	14,061	0.7	2,169	6	1.0
Benzodiazepines	3,286	103	338,554	16.8	19,471	17	9.3
Other Part D Excl Rx Drugs	1,114	109	120,904	6.0	3,463	35	1.7

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

a. Table D.13 includes the beneficiaries represented by Cell G of Table 1. Beneficiaries include all dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2002. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2002. A beneficiary who used drugs from two or more Part D excluded categories was counted as a user for each category. Therefore, the sum of users across drug categories may exceed the total number of individual users as noted on Table D11.

b. Includes OTC drugs as well as prescription drugs.

c. The statute establishing the Medicare Part D prescription program that started in 2006 excludes several types of drugs from coverage. State Medicaid programs have been allowed to exclude these drugs since 1990, but many states have chosen to cover them, and if states cover them for any Medicaid beneficiaries they must also cover them for dual eligibles, who as of 2006 receive the remainder of their prescription drug coverage through Part D. Excluded drugs include benzodiazepines; barbiturates; nonprescription (OTC) medications; prescription vitamins and minerals (not including prenatal vitamins and fluoride preparations); and drugs used for anorexia, weight loss, or weight gain. Other excluded drugs include those that promote fertility; those used for cosmetic purposes or hair growth, for symptomatic relief of coughs and colds; or drugs for which the manufacturer requires that associated tests or monitoring services be purchased exclusively from the manufacturer.

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

SUPPLEMENTAL TABLE 1  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES<sup>a, b</sup>  
 HAWAII, 2002

Total Number of Dual Eligible Beneficiaries 26,388  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries \$46,995,218  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary \$1,781

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	3,408	12.9 %	\$0	0.0 %
1-500	6,959	26.4	1,440,781	3.1
501-1,000	3,772	14.3	2,773,515	5.9
1,001-1,500	2,786	10.6	3,454,596	7.4
1,501-2,000	2,020	7.7	3,508,923	7.5
2,001-2,500	1,532	5.8	3,416,622	7.3
2,501-3,000	1,236	4.7	3,388,238	7.2
3,001-3,500	951	3.6	3,083,818	6.6
3,501-4,000	695	2.6	2,598,012	5.5
4,001-4,500	541	2.1	2,292,632	4.9
4,501-5,000	411	1.6	1,954,347	4.2
5,001-5,500	354	1.3	1,854,950	3.9
5,501-6,000	276	1.0	1,585,273	3.4
6,001-6,500	228	0.9	1,418,042	3.0
6,501-7,000	161	0.6	1,086,050	2.3
7,001-7,500	142	0.5	1,027,922	2.2
7,501-8,000	102	0.4	787,519	1.7
8,001-8,500	99	0.4	815,350	1.7
8,501-9,000	72	0.3	630,151	1.3
9,001-9,500	78	0.3	721,232	1.5
9,501-10,000	59	0.2	574,635	1.2
10,001+	506	1.9	8,582,610	18.3

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

a. This table is based on prescription drug claims for beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefit coverage during some or all months of Medicaid enrollment in 2002.

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

SUPPLEMENTAL TABLE 1A  
 MEDICAID PHARMACY REIMBURSEMENT FOR DISABLED DUAL ELIGIBLE BENEFICIARIES UNDER AGE 65<sup>a, b, c</sup>  
 HAWAII, 2002

Total Number of Disabled Dual Eligible Beneficiaries, Age < 65 7,697  
 Total Pharmacy Reimbursement for Disabled Dual Eligible Beneficiaries, Age < 65 \$21,609,990  
 Mean Pharmacy Reimbursement per Disabled Dual Eligible Beneficiary, Age < 65 \$2,808

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Disabled Dual Beneficiaries, Age < 65		Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
		Age < 65	13.7 %		
\$0	1,054			0	0.0 %
1-500					
501-1,000	1,837	23.9	23.9	352,795	1.6
1,001-1,500	776	10.1	10.1	575,164	2.7
1,501-2,000	624	8.1	8.1	774,415	3.6
2,001-2,500	443	5.8	5.8	775,663	3.6
2,501-3,000	388	5.0	5.0	867,575	4.0
3,001-3,500	342	4.4	4.4	937,687	4.3
3,501-4,000	299	3.9	3.9	972,216	4.5
4,001-4,500	248	3.2	3.2	927,428	4.3
4,501-5,000	178	2.3	2.3	754,100	3.5
5,001-5,500	153	2.0	2.0	729,045	3.4
5,501-6,000	164	2.1	2.1	856,265	4.0
6,001-6,500	148	1.9	1.9	850,541	3.9
6,501-7,000	117	1.5	1.5	730,445	3.4
7,001-7,500	95	1.2	1.2	641,635	3.0
7,501-8,000	98	1.3	1.3	711,445	3.3
8,001-8,500	74	1.0	1.0	572,113	2.6
8,501-9,000	64	0.8	0.8	527,150	2.4
9,001-9,500	49	0.6	0.6	429,374	2.0
9,501-10,000	57	0.7	0.7	527,255	2.4
10,001+	47	0.6	0.6	457,641	2.1
	442	5.7	5.7	7,640,038	35.4

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

a. This table is based on prescription drug claims for beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefit coverage during some or all months of Medicaid enrollment in 2002.

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

c. This table is limited to dual eligible beneficiaries who were under age 65 and also indicated as disabled in the MAX files. Therefore, dual eligible beneficiaries under age 65 in "adults" or "children" basis-of-eligibility categories in Table D.2 are excluded because they were not classified as disabled in the MAX files. Disabled dual eligible beneficiaries age 65 and older are included in Supplemental Tables 1B through 1E, depending on their age.

SUPPLEMENTAL TABLE 1B  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 65 AND OLDER<sup>a, b</sup>  
 HAWAII, 2002

Total Number of Dual Eligible Beneficiaries, Age 65+                      18,581  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 65+        \$25,366,781  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 65+        \$1,365

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 65+	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	2,276	12.2 %	0	0.0 %
1-500	5,098	27.4	1,084,242	4.3
501-1,000	2,994	16.1	2,197,168	8.7
1,001-1,500	2,160	11.6	2,678,152	10.6
1,501-2,000	1,577	8.5	2,733,260	10.8
2,001-2,500	1,142	6.1	2,544,785	10.0
2,501-3,000	893	4.8	2,447,772	9.6
3,001-3,500	652	3.5	2,111,602	8.3
3,501-4,000	447	2.4	1,670,584	6.6
4,001-4,500	362	1.9	1,534,082	6.0
4,501-5,000	258	1.4	1,225,302	4.8
5,001-5,500	190	1.0	998,685	3.9
5,501-6,000	128	0.7	734,732	2.9
6,001-6,500	111	0.6	687,597	2.7
6,501-7,000	66	0.4	444,415	1.8
7,001-7,500	44	0.2	316,477	1.2
7,501-8,000	28	0.2	215,406	0.8
8,001-8,500	35	0.2	288,200	1.1
8,501-9,000	23	0.1	200,777	0.8
9,001-9,500	21	0.1	193,977	0.8
9,501-10,000	12	0.1	116,994	0.5
10,001+	64	0.3	942,572	3.7

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

a. This table is based on prescription drug claims for beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefit coverage during some or all months of Medicaid enrollment in 2002.

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

SUPPLEMENTAL TABLE 1C  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 65 TO 74 <sup>a, b</sup>  
 HAWAII, 2002

Total Number of Dual Eligible Beneficiaries, Age 65-74 7,181  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 65-74 \$11,258,891  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 65-74 \$1,568

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 65-74	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	922	12.8 %	0	0.0 %
1-500	1,711	23.8	360,959	3.2
501-1,000	1,111	15.5	820,005	7.3
1,001-1,500	815	11.3	1,009,755	9.0
1,501-2,000	632	8.8	1,097,834	9.8
2,001-2,500	464	6.5	1,034,475	9.2
2,501-3,000	373	5.2	1,026,295	9.1
3,001-3,500	267	3.7	867,005	7.7
3,501-4,000	206	2.9	772,335	6.9
4,001-4,500	175	2.4	741,984	6.6
4,501-5,000	108	1.5	513,033	4.6
5,001-5,500	81	1.1	424,902	3.8
5,501-6,000	73	1.0	418,692	3.7
6,001-6,500	59	0.8	365,011	3.2
6,501-7,000	38	0.5	255,476	2.3
7,001-7,500	24	0.3	173,658	1.5
7,501-8,000	17	0.2	131,207	1.2
8,001-8,500	25	0.3	205,404	1.8
8,501-9,000	13	0.2	114,183	1.0
9,001-9,500	10	0.1	92,456	0.8
9,501-10,000	9	0.1	87,710	0.8
10,001+	48	0.7	746,512	6.6

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

a. This table is based on prescription drug claims for beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefit coverage during some or all months of Medicaid enrollment in 2002.  
 b. Medicaid reimbursement amounts in this table do not reflect federally required rebates from drug manufacturers to states.

SUPPLEMENTAL TABLE 1D  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 75 TO 84<sup>a, b</sup>  
 HAWAII, 2002

Total Number of Dual Eligible Beneficiaries, Age 75-84                    7,425  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 75-84     \$10,231,408  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 75-84     \$1,378

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 75-84	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	815	11.0 %	0	0.0 %
1-500	1,961	26.4	426,264	4.2
501-1,000	1,182	15.9	872,057	8.5
1,001-1,500	959	12.9	1,190,562	11.6
1,501-2,000	659	8.9	1,142,062	11.2
2,001-2,500	483	6.5	1,074,435	10.5
2,501-3,000	367	4.9	1,004,136	9.8
3,001-3,500	292	3.9	944,115	9.2
3,501-4,000	175	2.4	652,847	6.4
4,001-4,500	146	2.0	619,983	6.1
4,501-5,000	119	1.6	564,722	5.5
5,001-5,500	94	1.3	494,583	4.8
5,501-6,000	44	0.6	252,782	2.5
6,001-6,500	42	0.6	260,679	2.5
6,501-7,000	23	0.3	155,485	1.5
7,001-7,500	17	0.2	121,429	1.2
7,501-8,000	6	0.1	46,036	0.4
8,001-8,500	7	0.1	57,736	0.6
8,501-9,000	8	0.1	69,132	0.7
9,001-9,500	9	0.1	82,857	0.8
9,501-10,000	3	0.0	29,284	0.3
10,001+	14	0.2	170,222	1.7

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

a. This table is based on prescription drug claims for beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefit coverage during some or all months of Medicaid enrollment in 2002.

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

SUPPLEMENTAL TABLE 1E  
 MEDICAID PHARMACY REIMBURSEMENT FOR DUAL ELIGIBLE BENEFICIARIES AGE 85 AND OLDER<sup>a, b</sup>  
 HAWAII, 2002

Total Number of Dual Eligible Beneficiaries, Age 85+ 3,975  
 Total Pharmacy Reimbursement for Dual Eligible Beneficiaries, Age 85+ \$3,876,482  
 Mean Pharmacy Reimbursement per Dual Eligible Beneficiary, Age 85+ \$975

Annual Pharmacy Reimbursement per Beneficiary	Number of Beneficiaries	Percent of Dual Beneficiaries, Age 85+ 13.6 %	Pharmacy Reimbursement	Percent of Total Pharmacy Reimbursement
\$0	539		0	0.0 %
1-500	1,426	35.9	297,019	7.7
501-1,000	701	17.6	505,106	13.0
1,001-1,500	386	9.7	477,835	12.3
1,501-2,000	286	7.2	493,364	12.7
2,001-2,500	195	4.9	435,875	11.2
2,501-3,000	153	3.8	417,341	10.8
3,001-3,500	93	2.3	300,482	7.8
3,501-4,000	66	1.7	245,402	6.3
4,001-4,500	41	1.0	172,115	4.4
4,501-5,000	31	0.8	147,547	3.8
5,001-5,500	15	0.4	79,200	2.0
5,501-6,000	11	0.3	63,258	1.6
6,001-6,500	10	0.3	61,907	1.6
6,501-7,000	5	0.1	33,454	0.9
7,001-7,500	3	0.1	21,390	0.6
7,501-8,000	5	0.1	38,163	1.0
8,001-8,500	3	0.1	25,060	0.6
8,501-9,000	2	0.1	17,462	0.5
9,001-9,500	2	0.1	18,664	0.5
9,501-10,000	2	0.1	25,838	0.7
10,001+				

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

a. This table is based on prescription drug claims for beneficiaries who had Medicare as well as Medicaid fee-for-service pharmacy benefit coverage during some or all months of Medicaid enrollment in 2002.

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

APPENDIX TABLE A.3

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

Beneficiary Characteristics	No. of Benes					No. of Bene Mos					
	All	Aged	Disabled	Adults	Children	All	Aged	Disabled	Adults	Children	Unknown
<b>All</b>	<b>26,746</b>	<b>17,784</b>	<b>8,690</b>	<b>271</b>	<b>1</b>	<b>264,891</b>	<b>171,073</b>	<b>91,730</b>	<b>2,080</b>	<b>8</b>	<b>0</b>
<b>Age</b>											
5 and younger	1	0	0	0	1	8	0	0	0	8	0
6-14	2	0	2	0	0	24	0	24	0	0	0
15-20	25	0	22	3	0	260	0	231	29	0	0
21-44	3,322	0	3,214	108	0	35,369	0	34,575	794	0	0
45-64	4,771	0	4,641	130	0	49,539	0	48,486	1,053	0	0
65-74	7,222	6,577	615	30	0	73,934	67,201	6,529	204	0	0
75-84	7,426	7,273	153	0	0	73,606	72,078	1,528	0	0	0
85 and older	3,977	3,934	43	0	0	32,151	31,794	357	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Gender</b>											
Female	15,806	11,693	4,006	106	1	157,458	113,991	42,636	823	8	0
Male	10,940	6,091	4,684	165	0	107,433	57,082	49,094	1,257	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Race</b>											
White	5,601	2,675	2,822	104	0	55,128	25,056	29,253	819	0	0
African American	258	84	165	9	0	2,457	814	1,584	59	0	0
Other/unknown	20,887	15,025	5,703	158	1	207,306	145,203	60,893	1,202	8	0
<b>Use of Nursing Facilities<sup>c</sup></b>											
Entire year	3,257	2,931	323	3	0	21,165	18,925	2,237	3	0	0
Part year	7,740	4,868	2,869	3	0	85,022	52,650	32,347	25	0	0
None	15,749	9,985	5,498	265	1	158,704	99,498	57,146	2,052	8	0
<b>Maintenance Assistance Status</b>											
Cash	11,159	6,949	4,162	48	0	120,023	74,089	45,575	359	0	0
Medically needy	2,737	2,267	470	0	0	19,376	15,581	3,795	0	0	0
Poverty related	12,545	8,541	4,004	0	0	123,033	81,159	41,874	0	0	0
Other/unknown	305	27	54	223	1	2,459	244	486	1,721	8	0
<b>Dual Status<sup>d</sup></b>											
Full dual, all year	26,333	17,522	8,540	270	1	260,808	168,556	90,176	2,068	8	0
Full dual, part year	413	262	150	1	0	4,083	2,517	1,554	12	0	0
<b>Managed Care Status</b>											
FFS all year	25,895	17,592	8,277	26	0	256,395	169,009	87,292	94	0	0
FFS part year, with Rx claims	338	134	180	24	0	3,665	1,459	1,984	222	0	0
FFS part year, no Rx claims	155	47	41	67	0	1,405	504	420	481	0	0
MC all year, with Rx claims	150	9	138	3	0	1,657	97	1,550	10	0	0
MC all year, no Rx claims	204	0	54	149	1	1,758	0	484	1,266	8	0



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

a. Table A.3 includes the beneficiaries represented by Cell F of Table 1. Benefit months are months during which beneficiaries had pharmacy benefit coverage.

b. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services. The total includes some beneficiaries with unknown basis of eligibility and some whose age categories are not consistent with basis of eligibility.

c. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

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

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

APPENDIX TABLE A.4  
 MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS<sup>a</sup>  
 DUAL ELIGIBLE BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	Bene(s) in Cell F of Table 1		Bene(s) and		Included in Cell G of Table 1		Excluded from Cell G of Table 1	
	No. of Bene(s)	No. of Bene Mos	No. of Bene(s)	No. of Bene Mos	No. of Bene(s)	No. of Bene Mos	No. of Bene(s)	No. of Bene Mos
<b>All</b>	<b>26,746</b>	<b>264,891</b>	<b>26,388</b>	<b>258,813</b>	<b>0</b>	<b>6,078</b>		
FFS all year	25,895	256,395	25,895	256,281	0	114		
FFS part year, with Rx claims	338	3,665	338	1,986	0	1,679		
FFS part year, with no Rx claims	155	1,405	155	546	0	859		
MC all year, with Rx claims	150	1,657	0	0	0	1,657		
MC all year, with no Rx claims	204	1,758	0	0	0	1,758		

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

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

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