

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

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TABLE ND.2
 CHARACTERISTICS OF MEDICAID STUDY POPULATION BENEFICIARIES, BY BASIS OF ELIGIBILITY^{a,b}
 NONDUAL 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		
All	76,453	1,849	12,782	30,331	31,476	15	251,440	17,452	123,031	54,410	56,443	104		
Age														
5 and younger	13,252	0	572	0	12,680	0	27,583	0	5,163	0	22,420	0		
6-14	14,618	0	936	0	13,682	0	34,443	0	9,732	0	24,711	0		
15-20	8,754	0	696	2,944	5,114	0	21,345	0	6,743	5,290	9,312	0		
21-44	26,238	0	4,241	21,993	0	4	79,211	0	39,913	39,283	0	15		
45-64	11,591	1	6,197	5,382	0	11	69,947	9	60,043	9,806	0	89		
65-74	1,274	1,151	111	12	0	0	12,067	10,907	1,129	31	0	0		
75-84	576	552	24	0	0	0	5,608	5,337	271	0	0	0		
85 and older	150	145	5	0	0	0	1,236	1,199	37	0	0	0		
Unknown	0	0	0	0	0	0		0	0	0	0	0		
Gender														
Female	39,926	1,210	6,140	17,042	15,519	15	129,049	11,599	59,237	30,207	27,902	104		
Male	36,527	639	6,642	13,289	15,957	0	122,391	5,853	63,794	24,203	28,541	0		
Unknown	0	0	0	0	0	0		0	0	0	0	0		
Race														
White	18,522	98	4,275	8,144	6,001	4	66,802	900	40,506	14,435	10,927	34		
African American	1,431	5	270	613	543	0	4,728	60	2,502	1,141	1,025	0		
Other/unknown	56,500	1,746	8,237	21,574	24,932	11	179,910	16,492	80,023	38,834	44,491	70		
Use of Nursing Facilities^c														
Entire year	230	72	150	7	1	0	1,700	489	1,201	9	1	0		
Part year	476	60	356	54	6	0	4,180	619	3,426	120	15	0		
None	75,747	1,717	12,276	30,270	31,469	15	245,560	16,344	118,404	54,281	56,427	104		
Maintenance Assistance Status														
Cash	42,051	1,139	10,111	12,418	18,383	0	169,897	11,564	104,127	21,975	32,231	0		
Medically needy	235	59	161	14	1	0	1,266	367	880	18	1	0		
Poverty-related	13,091	623	1,965	0	10,488	15	41,651	5,479	16,917	0	19,151	104		
Other/unknown	21,076	28	545	17,899	2,604	0	38,626	42	1,107	32,417	5,060	0		
Managed Care Status														
FFS all year	18,787	1,805	10,629	3,777	2,562	14	144,410	17,241	112,714	7,712	6,643	100		
FFS part year, with Rx claims	3,932	35	1,379	1,789	728	1	14,178	170	8,196	4,104	1,704	4		
FFS part year, no Rx claims	53,734	9	774	24,765	28,186	0	92,852	41	2,121	42,594	48,096	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 ND.2 includes the beneficiaries represented by Cell K of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services. The total includes some beneficiaries with unknown basis of eligibility and some whose age categories are not consistent with basis of eligibility.
- c. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

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

TABLE ND.3

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFICIARY, BY BENEFICIARY CHARACTERISTIC^{a,b}
 NONDUAL 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	19.1 %	5.4	\$390	\$73	\$2,996	13.0 %	76,453
Age							
5 and younger	6.0	0.7	42	62	2,491	1.7	13,252
6-14	7.0	0.8	89	111	1,355	6.6	14,618
15-20	8.5	0.9	81	92	1,741	4.7	8,754
21-44	17.0	3.9	358	93	2,940	12.2	26,238
45-64	51.4	20.3	1,348	66	6,221	21.7	11,591
65-74	79.7	22.3	1,133	51	4,773	23.7	1,274
75-84	81.6	22.8	1,124	49	6,329	17.8	576
85 and older	71.3	16.2	887	55	13,858	6.4	150
Unknown	0.0	0.0	0	0	0	0.0	0
Basis of Eligibility^c							
Aged	79.4	21.5	1,080	50	5,816	18.6	1,849
Disabled	81.1	28.1	2,136	76	10,346	20.6	12,782
Adults	6.5	0.2	13	52	1,709	0.7	30,331
Children	2.4	0.1	4	57	1,087	0.4	31,476
Unknown	66.7	11.9	480	40	3,885	12.4	15
Gender							
Female	18.7	5.8	361	63	2,959	12.2	39,926
Male	19.4	4.9	421	86	3,037	13.9	36,527
Unknown	0.0	0.0	0	0	0	0.0	0
Race							
White	23.4	7.6	632	83	3,308	19.1	18,522
African American	18.8	5.1	397	78	2,512	15.8	1,431
Other/unknown	17.7	4.6	310	67	2,907	10.7	56,500
Use of Nursing Facilities^d							
Entire year	91.3	34.4	1,944	57	67,205	2.9	230
Part year	94.7	43.3	3,086	71	49,058	6.3	476
None	18.4	5.0	368	73	2,512	14.7	75,747
Maintenance Assistance Status							
Cash	24.9	8.2	598	73	3,359	17.8	42,051
Medically needy	59.1	15.5	856	55	18,942	4.5	235
Poverty related	17.6	4.2	311	73	3,595	8.7	13,091
Other/unknown	7.9	0.3	19	55	1,723	1.1	21,076

Table ND3

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

TABLE ND.4
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC^{a,b}
 NONDUAL 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	
				80.9 % None	7.8 % More than 0, but 1 or Less	3.1 % More than 1, but 2 or Less	5.0 % More than 2, but 5 or Less	2.6 % More than 5, but 10 or Less				0.6 % More than 10
All	1.6	\$119	13.0 %	80.9 %	7.8 %	3.1 %	5.0 %	2.6 %	0.6 %	\$911	76,453	251,440
Age												
5 and younger	0.3	20	1.7	94.0	4.1	1.0	0.8	0.2	0.0	1,197	13,252	27,583
6-14	0.3	38	6.6	93.0	5.0	1.0	0.7	0.2	0.0	575	14,618	34,443
15-20	0.4	33	4.7	91.5	5.9	1.3	1.0	0.2	0.0	714	8,754	21,345
21-44	1.3	119	12.2	83.0	7.9	3.0	4.0	1.8	0.3	974	26,238	79,211
45-64	3.4	223	21.7	48.6	13.0	7.6	17.3	10.8	2.7	1,031	11,591	69,947
65-74	2.4	120	23.7	20.3	30.6	16.5	22.8	8.6	1.3	504	1,274	12,067
75-84	2.3	116	17.8	18.4	29.7	14.4	27.1	9.9	0.5	650	576	5,608
85 and older	2.0	108	6.4	28.7	24.0	11.3	28.0	8.0	0.0	1,682	150	1,236
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Basis of Eligibility^c												
Aged	2.3	114	18.6	20.6	30.0	15.8	24.4	8.3	0.9	616	1,849	17,452
Disabled	2.9	222	20.6	18.9	28.1	12.3	23.8	13.7	3.2	1,075	12,782	123,031
Adults	0.1	7	0.7	93.5	4.0	1.3	1.0	0.2	0.0	953	30,331	54,410
Children	0.0	2	0.4	97.6	1.9	0.4	0.2	0.0	0.0	606	31,476	56,443
Unknown	1.7	69	12.4	33.3	26.7	13.3	20.0	6.7	0.0	560	15	104
Gender												
Female	1.8	112	12.2	81.3	7.3	2.9	5.1	2.8	0.7	916	39,926	129,049
Male	1.5	126	13.9	80.6	8.4	3.3	4.9	2.3	0.5	906	36,527	122,391
Unknown	0.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0
Race												
White	2.1	175	19.1	76.6	8.5	3.5	6.2	4.2	1.1	917	18,522	66,802
African American	1.5	120	15.8	81.2	8.3	2.9	4.6	2.2	0.8	760	1,431	4,728
Other/unknown	1.5	98	10.7	82.3	7.6	3.0	4.6	2.1	0.4	913	56,500	179,910
Use of Nursing Facilities^d												
Entire year	4.7	263	2.9	8.7	7.8	9.6	37.8	28.3	7.8	9,092	230	1,700
Part year	4.9	351	6.3	5.3	14.3	11.3	35.1	24.8	9.2	5,586	476	4,180
None	1.6	114	14.7	81.6	7.8	3.0	4.7	2.4	0.5	775	75,747	245,560
Maintenance Assistance Status												
Cash	2.0	148	17.8	75.1	9.4	3.9	6.9	3.8	0.9	831	42,051	169,897
Medically needy	2.9	159	4.5	40.9	11.5	8.1	27.2	11.1	1.3	3,516	235	1,266
Poverty related	1.3	98	8.7	82.4	7.6	2.8	4.7	2.1	0.4	1,130	13,091	41,651
Other/unknown	0.2	10	1.1	92.1	4.7	1.6	1.2	0.3	0.0	940	21,076	38,626

Table ND4

Nondual 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 ND.4 includes the beneficiaries represented by Cell K of Table 1. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. The Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- d. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

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

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 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 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 (May 13 2003).
- d. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services.
- e. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.

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

TABLE ND.6

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d}
 NONDUAL 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.	As % of All Benes	No. of Bene Mos			
															Generic	Generic	Generic
Anti-infective Agents	0.4	0.1	0.0	0.2	\$33	\$29	\$1	\$3	\$95	\$196	\$92	\$17	27,694	\$2,637,058	8,031	10.5%	78,742
Biologics	0.2	0.1	0.0	0.0	77	38	1	38	498	335	830	936	825	410,685	497	0.7	5,344
Antineoplastic Agents	0.7	0.3	0.1	0.4	220	187	5	28	303	596	93	79	2,402	728,134	370	0.5	3,311
Endocrine/Metabolic Drugs	0.8	0.4	0.1	0.3	48	35	3	10	59	91	39	28	41,378	2,434,963	5,073	6.6	50,909
Cardiovascular Agents	1.3	0.6	0.1	0.6	56	39	3	14	44	67	41	22	71,555	3,142,777	5,613	7.3	55,641
Respiratory Agents	0.6	0.3	0.0	0.4	27	19	1	7	43	76	53	20	37,436	1,609,158	5,933	7.8	60,323
Gastrointestinal Agents	0.5	0.1	0.0	0.3	31	24	1	6	64	175	109	18	17,366	1,104,843	3,530	4.6	35,975
Genitourinary Agents	0.3	0.2	0.0	0.1	17	15	1	2	50	69	41	16	3,713	184,759	1,015	1.3	10,724
CNS Drugs	1.2	0.6	0.0	0.6	116	94	2	20	98	163	95	34	75,677	7,408,157	6,405	8.4	63,664
Stimulants/Anti-obesity/Anorexia	0.5	0.1	0.1	0.4	33	10	5	18	61	100	88	48	1,668	102,506	299	0.4	3,102
Miscellaneous Psychological/Neurological Agents	0.4	0.4	0.0	0.1	48	45	0	2	106	116	0	41	833	88,550	177	0.2	1,856
Analgesics and Anesthetics	0.8	0.2	0.0	0.6	56	40	3	13	74	259	88	23	53,053	3,920,206	7,359	9.6	69,734
Neuromuscular Agents	0.9	0.4	0.1	0.4	61	46	6	9	67	120	51	22	37,053	2,494,145	3,987	5.2	40,927
Nutritional Products	0.4	0.0	0.0	0.4	7	0	0	6	17	49	24	16	6,798	118,331	1,870	2.4	17,559
Hematological Agents	0.6	0.3	0.0	0.3	175	165	1	9	277	647	31	25	8,419	2,329,943	1,407	1.8	13,314
Topical Products	0.4	0.1	0.0	0.2	12	7	1	4	33	59	74	18	20,949	699,563	5,609	7.3	58,922
Miscellaneous Products	0.6	0.3	0.1	0.3	135	106	13	16	216	383	241	55	1,784	386,128	298	0.4	2,859
Unknown Therapeutic Category	0.2	0.0	0.0	0.0	4	0	0	0	25	0	0	0	576	14,547	357	0.5	3,820
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.	409,179	29,814,453	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 ND.6 includes the beneficiaries represented by Cell K of Table 1. A user is a beneficiary who had at least one prescription filled in a given therapeutic category during 2002. A beneficiary who used drugs from two or more categories was counted as a user for each category. Therefore, the sum of users across categories may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

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

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

TABLE ND.7
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT, BY TOP 10 DRUG GROUP^{a, b, c}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Top 10 Drug Groups	Users				Among Users		
	Total Medicaid Rx \$	No. As % of All Benes	No. of Bene Mos	No. of Rx per Bene Mo	\$ per Rx	Rx \$ per Bene Mo	
ANTIPSYCHOTICS	\$4,956,371	3,372	36,002	0.7	\$195	\$138	
ANALGESICS - Narcotic	3,042,016	7,189	70,059	0.5	91	43	
ANTICONVULSANT	2,161,367	3,262	34,522	0.7	86	63	
ANTIDEPRESSANTS	1,826,853	4,730	48,195	0.6	68	38	
MISC. HEMATOLOGICAL	1,611,044	462	4,750	0.5	634	339	
ANTIVIRAL	1,504,612	872	9,151	0.4	371	164	
ANTIDIABETIC	1,356,747	3,321	33,830	0.6	66	40	
ANTIHYPERTENSIVE	1,248,972	2,536	26,960	0.6	82	46	
ASTHMATIC	1,230,866	5,656	58,671	0.4	54	21	
ANTIHYPERTENSIVE	909,223	3,856	39,467	0.5	42	23	
Total	19,848,071	35,256	361,607	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 ND.7 includes the beneficiaries represented by Cell K of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

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

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

TABLE ND.7A
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED
 AND FIRST AND SECOND GROUPS SEPARATELY, BY SEX, BOE, AND AGE^{a,b,c}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	All Top 10 Drug Groups				ANTIPSYCHOTICS				ANALGESICS - Narcotic			
	No. of Rx	Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$
All	197,503	\$19,848,071	3,372	4.4 %	36,002	0.7	\$138	7,189	9.4 %	70,059	0.5	\$43
Female	105,918	8,878,809	1,626	4.1	17,592	0.7	121	3,780	9.5	38,471	0.4	34
Disabled	93,531	8,086,332	1,539	25.1	16,941	0.7	122	3,216	52.4	34,704	0.5	37
5 and younger	1,073	72,054	1	0.4	7	0.1	8	8	3.1	94	0.1	1
6-14	1,392	104,971	20	6.1	224	0.5	67	33	10.0	324	0.1	2
15-20	1,211	89,261	34	12.5	360	0.6	96	46	16.8	509	0.2	13
21-44	26,005	2,541,587	686	33.6	7,431	0.7	119	1,016	49.7	11,044	0.4	35
45-64	62,668	5,190,461	791	25.1	8,835	0.7	126	2,085	66.1	22,448	0.5	39
65-74	1,051	79,258	7	10.3	84	0.8	213	23	33.8	225	0.4	31
75-84	129	8,574	0	0.0	0	0.0	0	5	35.7	60	0.2	3
85 and older	2	166	0	0.0	0	0.0	0	0	0.0	0	0.0	0
Other Eligibles	12,387	792,477	87	0.3	651	0.6	97	564	1.7	3,767	0.3	9
5 and younger	69	1,984	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	169	14,563	2	0.0	13	0.8	320	6	0.1	35	0.2	2
15-20	189	26,034	5	0.1	28	1.2	262	30	0.7	94	0.3	2
21-44	727	40,213	25	0.2	84	0.5	85	183	1.5	518	0.5	8
45-64	832	51,452	11	0.4	61	0.5	115	93	3.5	390	0.5	24
65-74	6,865	436,242	32	4.1	355	0.6	69	167	21.6	1,827	0.2	9
75-84	3,087	189,268	9	2.5	80	0.6	50	72	20.2	756	0.2	4
85 and older	449	32,721	3	3.3	30	0.4	304	13	14.4	147	0.3	7
Male	91,585	10,969,262	1,746	4.8	18,410	0.7	154	3,409	9.3	31,588	0.5	55
Disabled	84,612	10,540,640	1,639	24.7	17,895	0.7	156	2,756	41.5	28,813	0.5	58
5 and younger	1,369	112,149	1	0.3	6	0.5	53	20	6.3	202	0.1	1
6-14	2,871	570,446	63	10.4	691	0.7	109	49	8.1	560	0.1	1
15-20	2,108	341,269	81	19.1	888	0.6	135	61	14.4	661	0.2	4
21-44	26,579	4,402,384	833	37.9	9,127	0.7	164	803	36.5	8,309	0.5	48
45-64	51,026	5,066,801	659	21.7	7,159	0.8	152	1,808	59.4	18,906	0.6	67
65-74	446	32,684	2	4.7	24	0.7	122	13	30.2	151	0.2	7
75-84	167	11,826	0	0.0	0	0.0	0	2	20.0	24	0.4	26
85 and older	46	3,081	0	0.0	0	0.0	0	0	0.0	0	0.0	0
Other Eligibles	6,973	428,622	107	0.4	515	0.5	84	653	2.2	2,775	0.4	21
5 and younger	235	7,888	0	0.0	0	0.0	0	4	0.1	13	0.3	3
6-14	131	5,551	1	0.0	1	2.0	137	12	0.2	42	0.3	2
15-20	126	5,497	9	0.3	35	0.6	69	48	1.4	118	0.6	7
21-44	937	54,410	56	0.6	145	0.6	91	307	3.2	702	0.6	14
45-64	743	33,991	17	0.6	69	0.4	32	136	5.0	358	0.6	18
65-74	3,075	210,883	14	3.6	163	0.5	87	98	25.1	1,096	0.3	30
75-84	1,409	92,855	7	3.6	69	0.8	159	39	20.0	364	0.2	11
85 and older	317	17,547	3	5.5	33	0.2	7	9	16.4	82	0.5	41
Unknown	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Table ND7A

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

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

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

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

TABLE ND.7B
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BOE, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	ANTICONVULSANT					ANTIDEPRESSANTS					MISC. HEMATOLOGICAL				
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx
All	3,262	4.3 %	34,522	\$63	0.7	4,730	6.2 %	48,195	\$38	0.6	462	0.6 %	4,750	0.5	\$339
Female	1,661	4.2	17,851	59	0.7	2,755	6.9	28,279	39	0.6	267	0.7	2,781	0.5	55
Disabled	1,555	25.3	17,016	59	0.7	2,490	40.6	26,492	39	0.6	191	3.1	1,999	0.5	54
5 and younger	23	9.0	245	31	0.6	0	0.0	0	0	0.0	1	0.4	11	0.3	24
6-14	55	16.7	633	45	0.7	19	5.8	174	24	0.4	1	0.3	9	0.1	1
15-20	56	20.5	622	47	0.7	33	12.1	336	31	0.4	0	0.0	0	0.0	0
21-44	597	29.2	6,503	66	0.7	811	39.7	8,584	37	0.5	27	1.3	282	0.5	49
45-64	812	25.7	8,892	57	0.7	1,606	50.9	17,168	40	0.6	154	4.9	1,627	0.5	55
65-74	12	17.6	121	54	0.9	19	27.9	206	29	0.7	6	8.8	46	0.5	53
75-84	0	0.0	0	0	0.0	2	14.3	24	45	0.7	2	14.3	24	0.7	79
85 and older	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0
Other Eligibles	106	0.3	835	50	0.6	265	0.8	1,787	32	0.5	76	0.2	782	0.5	56
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	9	0.1	68	94	1.0	3	0.0	22	52	0.6	0	0.0	0	0.0	0
15-20	7	0.2	58	240	1.1	23	0.5	68	25	0.4	0	0.0	0	0.0	0
21-44	30	0.2	128	34	0.5	74	0.6	214	44	0.6	2	0.0	10	0.2	22
45-64	14	0.5	53	55	0.8	50	1.9	245	31	0.5	4	0.1	16	0.4	41
65-74	28	3.6	331	32	0.5	75	9.7	828	34	0.5	32	4.1	349	0.5	51
75-84	16	4.5	173	18	0.6	34	9.5	366	23	0.4	33	9.2	347	0.6	65
85 and older	2	2.2	24	19	0.3	6	6.7	44	39	0.8	5	5.6	60	0.3	45
Male	1,601	4.4	16,671	67	0.7	1,975	5.4	19,916	37	0.6	195	0.5	1,969	0.5	741
Disabled	1,489	22.4	16,040	68	0.7	1,818	27.4	19,087	38	0.6	154	2.3	1,581	0.6	911
5 and younger	40	12.7	428	39	0.6	1	0.3	12	4	0.1	1	0.3	12	1.4	3,441
6-14	97	16.0	1,071	105	0.7	72	11.9	783	34	0.4	8	1.3	77	0.7	3,929
15-20	90	21.3	1,021	69	0.7	58	13.7	621	32	0.5	3	0.7	34	0.5	3,369
21-44	610	27.8	6,565	77	0.8	602	27.4	6,309	38	0.5	14	0.6	140	1.2	6,470
45-64	652	21.4	6,955	56	0.7	1,075	35.3	11,244	38	0.6	123	4.0	1,266	0.5	56
65-74	0	0.0	0	0	0.0	8	18.6	94	22	0.5	5	11.6	52	0.4	82
75-84	0	0.0	0	0	0.0	2	20.0	24	20	0.3	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
Other Eligibles	112	0.4	631	37	0.6	157	0.5	829	25	0.5	41	0.1	388	0.5	49
5 and younger	1	0.0	10	20	0.7	0	0.0	0	0	0.0	0	0.0	0	0.0	0
6-14	7	0.1	68	23	0.5	8	0.1	34	31	0.6	0	0.0	0	0.0	0
15-20	9	0.3	20	35	0.6	8	0.2	29	27	0.3	0	0.0	0	0.0	0
21-44	50	0.5	133	46	0.6	57	0.6	140	26	0.5	3	0.0	16	0.6	80
45-64	15	0.6	60	23	0.5	35	1.3	131	28	0.5	5	0.2	18	0.6	39
65-74	22	5.6	244	40	0.7	26	6.7	271	23	0.4	19	4.9	203	0.5	51
75-84	5	2.6	60	49	0.5	15	7.7	135	24	0.5	13	6.7	139	0.4	39
85 and older	3	5.5	36	19	0.2	8	14.5	89	30	0.7	1	1.8	12	1.0	110
Unknown	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0.0	0

Table ND7B
 Nondual Beneficiaries

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

- a. Table ND.7B includes the beneficiaries represented by Cell K of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE ND.7C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY,
 BY SEX, BOE, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	ANTIVIRAL				ANTIDIABETIC				ANTIHYPERLIPIDEMIC						
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx		
All	872	1.1 %	9,151	0.4	\$164	3,321	4.3 %	33,830	0.6	\$40	2,536	3.3 %	26,960	0.6	\$46
Female	376	0.9	4,133	0.3	88	1,974	4.9	20,457	0.6	40	1,474	3.7	15,931	0.6	47
Disabled	330	5.4	3,658	0.4	96	1,548	25.2	16,652	0.6	41	1,032	16.8	11,389	0.6	48
5 and younger	9	3.5	97	0.6	87	0	0.0	0	0.0	0	1	0.4	12	0.2	5
6-14	19	5.8	223	0.6	129	7	2.1	84	0.7	48	1	0.3	12	0.9	60
15-20	7	2.6	84	0.2	7	3	1.1	36	0.3	25	1	0.4	12	0.1	6
21-44	133	6.5	1,441	0.3	111	264	12.9	2,865	0.5	35	136	6.7	1,540	0.6	46
45-64	161	5.1	1,811	0.3	84	1,244	39.4	13,341	0.6	42	861	27.3	9,441	0.6	49
65-74	1	1.5	2	1.0	91	26	38.2	290	0.6	33	28	41.2	324	0.5	48
75-84	0	0.0	0	0.0	0	2	14.3	24	0.6	32	4	28.6	48	0.8	73
85 and older	0	0.0	0	0.0	0	2	200.0	12	0.2	14	0	0.0	0	0.0	0
Other Eligibles	46	0.1	475	0.2	28	426	1.3	3,805	0.6	35	442	1.3	4,542	0.5	44
5 and younger	1	0.0	2	0.5	23	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	3	0.0	28	0.1	5	1	0.0	1	2.0	237	0	0.0	0	0.0	0
15-20	2	0.0	11	0.3	120	4	0.1	7	0.9	21	1	0.0	1	1.0	67
21-44	5	0.0	35	0.5	161	23	0.2	66	0.7	42	5	0.0	6	1.0	70
45-64	6	0.2	56	0.3	26	66	2.5	261	0.6	35	32	1.2	153	0.6	47
65-74	18	2.3	211	0.1	10	236	30.5	2,498	0.6	37	278	36.0	2,971	0.5	43
75-84	11	3.1	132	0.2	19	80	22.4	827	0.6	31	115	32.2	1,285	0.5	47
85 and older	0	0.0	0	0.0	0	16	17.8	145	0.6	28	11	12.2	126	0.4	35
Male	496	1.4	5,018	0.5	228	1,347	3.7	13,373	0.6	41	1,062	2.9	11,029	0.6	45
Disabled	466	7.0	4,860	0.5	233	1,092	16.4	11,535	0.6	42	863	13.0	9,230	0.6	47
5 and younger	6	1.9	63	0.1	6	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	10	1.7	120	0.1	5	7	1.2	81	0.8	51	2	0.3	13	0.4	21
15-20	5	1.2	55	0.1	3	5	1.2	49	0.3	26	2	0.5	24	0.1	8
21-44	232	10.6	2,433	0.5	221	229	10.4	2,366	0.6	37	186	8.5	2,018	0.5	42
45-64	212	7.0	2,177	0.6	273	836	27.5	8,859	0.6	43	659	21.7	7,007	0.6	48
65-74	1	2.3	12	1.0	145	10	23.3	120	0.8	52	9	20.9	108	0.5	54
75-84	0	0.0	0	0.0	0	5	50.0	60	0.6	44	4	40.0	48	0.9	107
85 and older	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	25.0	12	0.5	34
Other Eligibles	30	0.1	158	0.3	52	255	0.9	1,838	0.6	35	199	0.7	1,799	0.5	37
5 and younger	3	0.0	5	0.6	16	0	0.0	0	0.0	0	0	0.0	0	0.0	0
6-14	1	0.0	2	0.5	15	1	0.0	2	0.5	2	0	0.0	0	0.0	0
15-20	0	0.0	0	0.0	0	3	0.1	3	1.0	58	0	0.0	0	0.0	0
21-44	17	0.2	57	0.5	119	46	0.5	115	0.7	51	17	0.2	76	0.4	28
45-64	0	0.0	0	0.0	0	66	2.4	231	0.6	29	37	1.4	141	0.5	40
65-74	6	1.5	58	0.1	18	106	27.2	1,130	0.5	33	97	24.9	1,069	0.5	36
75-84	2	1.0	24	0.1	9	31	15.9	343	0.7	39	43	22.1	464	0.5	40
85 and older	1	1.8	12	0.2	3	2	3.6	14	1.4	89	5	9.1	49	0.6	45
Unknown	0	0.0	0	0.0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0

Nondual Beneficiaries

Table ND7C

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 ND.7C includes the beneficiaries represented by Cell K of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE ND.7D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY, BY SEX, BOE, AND AGE^{a, b, c}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	ANTI-ASTHMATIC				ANTI-HYPERTENSIVE				Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Users	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Users	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	No. of Benes	No. of Bene Mos	
	No. of Users	Users as % of All Benes	No. of Bene Mos among Users	Mean Rx \$	Mean No. of Rx	Users as % of All Benes	No. of Users	No. of Bene Mos among Users															Mean Rx \$
All	5,656	7.4 %	58,671	0.4	\$21	3,856	5.0 %	39,467	0.5	\$23											76,453	251,440	
Female																							
Disabled																							
5 and younger	2,798	45.6	30,849	0.4	21	1,486	24.2	15,943	0.5	22											6,140	59,237	
6-14	216	84.4	2,347	0.4	24	13	5.1	121	0.3	2											256	2,321	
15-20	121	36.7	1,316	0.3	16	15	4.5	165	0.6	13											330	3,349	
21-44	62	22.7	698	0.3	8	13	4.8	148	0.5	10											273	2,548	
45-64	688	33.7	7,588	0.3	17	241	11.8	2,639	0.4	18											2,043	19,032	
65-74	1,686	53.4	18,606	0.4	23	1,170	37.1	12,495	0.6	24											3,155	31,149	
75-84	24	35.3	282	0.4	25	30	44.1	327	0.5	22											68	664	
85 and older	1	7.1	12	0.8	22	4	28.6	48	0.4	19											14	168	
Other Eligibles	0	0.0	0	0.0	0	0	0.0	0	0.0	0											1	6	
5 and younger	452	1.3	3,490	0.3	20	581	1.7	5,681	0.5	24											33,786	69,812	
6-14	47	0.8	225	0.3	8	1	0.0	12	0.2	1											6,154	10,905	
15-20	41	0.6	131	0.4	18	1	0.0	12	1.1	9											6,667	12,039	
21-44	15	0.3	58	0.4	23	1	0.0	2	0.5	18											4,589	8,339	
45-64	81	0.6	266	0.4	16	29	0.2	89	0.6	23											12,480	22,061	
65-74	32	1.2	126	0.5	22	51	1.9	194	0.5	19											2,676	4,847	
75-84	155	20.1	1,785	0.3	20	320	41.4	3,413	0.5	24											773	7,356	
85 and older	75	21.0	836	0.3	23	155	43.4	1,730	0.5	24											357	3,533	
Unknown	6	6.7	63	0.5	31	23	25.6	229	0.7	31											90	732	
Male																							
Disabled																							
5 and younger	2,406	6.6	24,332	0.4	21	1,789	4.9	17,843	0.6	23											36,527	122,391	
6-14	1,994	30.0	21,617	0.4	21	1,423	21.4	14,848	0.6	24											6,642	63,794	
15-20	241	76.3	2,565	0.4	20	18	5.7	185	0.4	5											316	2,842	
21-44	234	38.6	2,653	0.3	17	46	7.6	488	0.6	9											606	6,383	
45-64	82	19.4	913	0.3	12	20	4.7	208	0.5	11											423	4,195	
65-74	403	18.3	4,343	0.3	18	293	13.3	2,977	0.5	25											2,198	20,881	
75-84	1,007	33.1	10,823	0.5	23	1,020	33.5	10,708	0.6	25											3,042	28,894	
85 and older	18	41.9	212	0.4	23	16	37.2	182	0.4	20											43	465	
Other Eligibles	5	50.0	60	0.3	19	6	60.0	72	0.7	25											10	103	
5 and younger	4	100.0	48	0.6	44	4	100.0	28	0.3	21											4	31	
6-14	412	1.4	2,715	0.4	24	366	1.2	2,995	0.5	20											29,885	58,597	
15-20	107	1.6	443	0.5	17	4	0.1	18	0.5	7											6,526	11,515	
21-44	49	0.7	171	0.3	15	4	0.1	26	0.2	8											7,015	12,672	
45-64	11	0.3	31	0.4	21	1	0.0	5	0.2	2											3,469	6,263	
65-74	42	0.4	130	0.5	21	43	0.5	112	0.7	28											9,517	17,237	
75-84	28	1.0	102	0.5	23	68	2.5	241	0.5	20											2,718	5,057	
85 and older	101	25.9	1,041	0.4	27	162	41.5	1,698	0.4	20											390	3,582	
Unknown	55	28.2	581	0.5	30	74	37.9	783	0.5	22											195	1,804	
	19	34.5	216	0.4	17	10	18.2	112	0.6	19											55	467	
	0	0.0	0	0.0	0	0	0.0	0	0.0	0											0	0	

Table ND7D

Nondual 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 ND.7D includes the beneficiaries represented by Cell K of Table 1. A user is a beneficiary who had at least one prescription filled in a given drug group during 2002. A beneficiary who used drugs from two or more drug groups was counted as a user for each group. Therefore, the sum of users across drug groups may exceed the total number of individual users. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.
- b. Medicaid reimbursement amounts presented in this table do not reflect federally required rebates from drug manufacturers to the state.
- c. The top 10 drug groups were determined based on total Medicaid reimbursement in the state for 2002. For information about these drug groups, see Wolters Kluwer Health, http://www.Medi-Span.com/products/product_mddb.asp (May 13 2003).

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

TABLE ND.8
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BENEFICIARY CHARACTERISTIC^{a, b}
 NONDUAL 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
All	\$263	4.7	230	1,700
Age				
0-64	285	5.0	154	1,184
65-74	231	3.8	24	162
75-84	226	5.1	22	160
85 and older	186	3.1	30	194
Unknown	0	0.0	0	0
Gender				
Female	230	4.7	112	859
Male	297	4.6	118	841
Unknown	0	0.0	0	0
Race				
White	231	4.8	49	330
African American	1569	12	1	3
Other/unknown	268	4.6	180	1,367
Basis of Eligibility^c				
Aged	216	4.0	72	489
Disabled	278	4.9	150	1,201
Adults	805	8.4	7	9
Children	0	0.0	1	1
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 ND.8 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their 2002 Medicaid enrollment. A total of 476 beneficiaries who were in nursing facilities for part of their enrollment and their 4,180 benefit months were excluded from the analysis. Benefit months are months during which beneficiaries had fee-for-service pharmacy benefits.

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

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

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

TABLE ND.9
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR ALL-YEAR NURSING FACILITY RESIDENTS,
 BY BRAND STATUS AND THERAPEUTIC CATEGORY^{a, b, c, d, e}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Therapeutic Category	No. of Rx per Bene Mo among Users			\$ per Bene Mo among Users			Total # of Rx	Total Rx \$	No.	Users							
	Total	Patented		Total	Patented					As % of All-Year NF Residents	No. of Bene Mos						
		Off-Patent	Brand-Name		Generic	Off-Patent						Brand-Name	Generic				
Anti-infective Agents	0.4	0.2	0.0	0.1	\$36	\$31	\$2	\$3	\$85	\$126	\$88	\$17	402	\$34,309	120	52.2 %	953
Biologicals	0.1	0.1	0.0	0.0	2	2	0	0	22	22	0	19	12	261	12	5.2	130
Antineoplastic Agents	0.6	0.0	0.0	0.6	107	17	5	85	170	620	363	146	47	8,009	12	5.2	75
Endocrine/Metabolic Drugs	1.0	0.4	0.2	0.3	32	22	4	5	33	49	17	20	593	19,478	80	34.8	615
Cardiovascular Agents	1.6	0.4	0.1	1.1	49	25	4	20	30	57	32	19	1,508	45,132	120	52.2	924
Respiratory Agents	0.7	0.2	0.0	0.5	38	20	0	18	54	86	13	39	374	20,309	70	30.4	539
Gastrointestinal Agents	1.0	0.3	0.0	0.7	42	28	0	13	43	111	0	19	785	33,678	101	43.9	805
Genitourinary Agents	0.8	0.2	0.0	0.6	21	8	5	8	25	46	185	12	163	4,085	23	10.0	199
CNS Drugs	1.3	0.6	0.0	0.7	114	95	3	17	86	161	62	24	1,330	114,196	120	52.2	1,000
Stimulants/Anti-obesity/Anorexia	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Miscellaneous Psychological/Neurological Agents	1.0	1.0	0.0	0.0	118	118	0	0	121	121	0	0	32	3,883	5	2.2	33
Analgesics and Anesthetics	0.7	0.2	0.1	0.4	37	31	1	5	52	130	23	12	348	18,260	75	32.6	491
Neuromuscular Agents	1.3	0.5	0.3	0.4	76	50	14	12	61	91	42	32	923	55,981	83	36.1	737
Nutritional Products	0.8	0.0	0.0	0.8	12	0	1	11	15	15	37	14	386	5,713	66	28.7	470
Hematological Agents	1.1	0.4	0.1	0.6	184	173	1	9	172	399	14	17	357	61,428	52	22.6	334
Topical Products	0.5	0.1	0.0	0.4	17	9	1	7	32	63	38	20	593	19,250	119	51.7	1,152
Miscellaneous Products	0.3	0.0	0.0	0.2	26	23	0	3	105	563	0	13	24	2,509	15	6.5	96
Unknown Therapeutic Category	1.4	0.0	0.0	0.0	20	0	0	0	14	0	0	0	36	517	4	1.7	26
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.	7,913	446,998	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 ND.9 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 476 beneficiaries who were in nursing facilities for part of their enrollment and their 4,180 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 (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 (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.

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

TABLE ND.10
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT FOR TOP 10 DRUG GROUPS AMONG ALL-YEAR NURSING FACILITY RESIDENTS,
 BY TOP-10 DRUG GROUP^{a, b, c, d}
 NONDUAL 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
ANTIPSYCHOTICS	\$72,348	41	17.8 %	418	0.8	\$223	\$173
ANTICONVULSANT	44,306	74	32.2	743	1.0	60	60
HEMATOPOIETIC AGENTS	41,800	37	16.1	281	0.7	200	149
ANTIDEPRESSANTS	31,233	82	35.7	749	0.7	56	42
ULCER DRUGS	19,814	68	29.6	581	0.7	49	34
ANTIASTHMATIC	18,654	60	26.1	610	0.5	63	31
ANTIHYPERTENSIVE	18,957	66	28.7	615	0.8	37	31
CEPHALOSPORINS	13,313	61	26.5	565	0.2	134	24
DERMATOLOGICAL	17,446	226	98.3	2,278	0.3	29	8
ANTIIDIABETIC	15,331	49	21.3	435	0.8	44	35
Total	293,202	764		7,275	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 ND.10 includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 476 beneficiaries who were in nursing facilities for part of their enrollment and their 4,180 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 (May 13 2003).

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

TABLE ND.10A

MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR TOP 10 DRUG GROUPS COMBINED AND FIRST AND SECOND TOP DRUG GROUPS SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d} NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	All Top 10 Drug Groups										ANTIPSYCHOTICS					ANTICONVULSANT				
	No. of Rx	Rx \$	Users as %			Mean Rx \$	Mean No. of Rx	No. of Bene Mos among Users	Users as %			Mean Rx \$	Mean No. of Rx	No. of Bene Mos among Users	Users as %					
			No. of Users	Residents	NF				No. of Users	Residents	NF				No. of Users	Residents	NF			
All	4,103	\$293,202	41	17.8 %	418	0.8	\$173	74	32.2 %	743	1.0	\$60								
Female	2,080	122,538	14	12.5	135	0.8	208	31	27.7	342	1.1	55								
Disabled	1,496	89,593	9	12.3	78	0.8	168	24	32.9	261	1.1	65								
64 or younger	1,484	89,443	9	12.9	78	0.8	168	23	32.9	259	1.1	66								
65-74	12	150	0	0.0	0	0.0	0	1	33.3	2	1.5	35								
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								
Other Eligibles	584	32,945	5	12.8	57	0.7	263	7	17.9	81	1.0	19								
64 or younger	0	0	0	0.0	0	0.0	0	0	0.0	0	0.0	0								
65-74	180	10,051	3	27.3	36	0.7	137	4	36.4	48	0.9	19								
75-84	279	8,189	1	9.1	12	0.6	84	3	27.3	33	1.3	21								
85 and older	125	14,705	1	6.3	9	0.9	1,004	0	0.0	0	0.0	0								
Male	2,023	170,664	27	22.9	283	0.8	156	43	36.4	401	0.9	64								
Disabled	1,608	134,067	20	26.0	221	0.8	149	39	50.6	362	0.9	66								
64 or younger	1,565	130,509	19	25.0	209	0.8	149	39	51.3	362	0.9	66								
65-74	43	3,558	1	100.0	12	0.9	164	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								
Other Eligibles	415	36,597	7	17.1	62	0.8	181	4	9.8	39	0.9	44								
64 or younger	23	3,475	1	14.3	1	3.0	13	0	0.0	0	0.0	0								
65-74	155	15,159	3	33.3	36	0.6	85	3	33.3	27	1.0	38								
75-84	118	12,162	3	27.3	25	1.1	327	1	9.1	12	0.9	59								
85 and older	119	5,801	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								

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 ND.10A includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 476 beneficiaries who were in nursing facilities for part of their enrollment and their 4,180 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 (May 13 2003).

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

TABLE ND.10B
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR THIRD TO FIFTH TOP DRUG GROUPS SEPARATELY
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a,b,c,d}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	HEMATOPOIETIC AGENTS						ANTIDEPRESSANTS						ULCER DRUGS					
	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
All	37	16.1 %	0.7	281	0.7	\$149	82	35.7 %	0.7	749	0.7	\$42	68	29.6 %	0.7	581	0.7	\$34
Female	16	14.3	0.8	135	0.8	68	35	31.3	0.8	328	0.8	44	32	28.6	0.8	270	0.8	36
Disabled	12	16.4	0.8	93	0.8	97	25	34.2	0.9	214	0.9	53	22	30.1	0.7	186	0.7	38
64 or younger	12	17.1	0.8	93	0.8	97	24	34.3	0.9	212	0.9	53	22	31.4	0.7	186	0.7	38
65-74	0	0.0	0.0	0	0.0	0	1	33.3	1.5	2	1.5	29	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	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	0.0	0	0.0	0
Other Eligibles	4	10.3	0.8	42	0.8	4	10	25.6	0.7	114	0.7	28	10	25.6	0.8	84	0.8	30
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	0
65-74	1	9.1	1.0	9	1.0	5	3	27.3	0.8	36	0.8	31	4	36.4	0.7	42	0.7	42
75-84	2	18.2	0.9	24	0.9	5	6	54.5	0.6	69	0.6	15	2	18.2	0.9	15	0.9	11
85 and older	1	6.3	0.3	9	0.3	2	1	6.3	0.8	9	0.8	121	4	25.0	0.9	27	0.9	23
Male	21	17.8	0.7	146	0.7	223	47	39.8	0.7	421	0.7	40	36	30.5	0.7	311	0.7	33
Disabled	17	22.1	0.6	131	0.6	219	34	44.2	0.6	324	0.6	39	24	31.2	0.6	222	0.6	31
64 or younger	17	22.4	0.6	131	0.6	219	31	40.8	0.6	288	0.6	40	23	30.3	0.6	210	0.6	31
65-74	0	0.0	0.0	0	0.0	0	3	300.0	0.6	36	0.6	32	1	100.0	0.6	12	0.6	27
75-84	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
85 and older	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0	0.0	0	0	0.0	0.0	0	0.0	0
Other Eligibles	4	9.8	0.8	15	0.8	264	13	31.7	0.9	97	0.9	44	12	29.3	0.7	89	0.7	37
64 or younger	1	14.3	2.0	1	2.0	7	1	14.3	2.0	1	2.0	66	2	28.6	1.5	2	1.5	12
65-74	2	22.2	0.6	5	0.6	745	3	33.3	0.7	26	0.7	55	3	33.3	0.9	24	0.9	39
75-84	1	9.1	0.6	9	0.6	25	4	36.4	1.1	17	1.1	21	5	45.5	0.4	46	0.4	15
85 and older	0	0.0	0.0	0	0.0	0	5	35.7	1.0	53	1.0	45	2	14.3	1.1	17	1.1	98
Unknown	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 ND.10B includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 476 beneficiaries who were in nursing facilities for part of their enrollment and their 4,180 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 (May 13 2003).

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

TABLE ND.10C
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR SIXTH TO EIGHTH TOP DRUG GROUPS SEPARATELY
 AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	ANTI-ASTHMATIC					ANTI-HYPERTENSIVE					CEPHALOSPORINS						
	Users as %					Users as %					Users as %						
	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	Mean No. of Rx	No. of Users	No. of Bene Mos among Users	Mean No. of Rx	Mean Rx \$	No. of Users	No. of Bene Mos among Users	Mean No. of Rx
All	60	26.1 %	0.5	\$31	0.8	66	28.7 %	0.8	\$31	0.8	61	26.5 %	0.2	\$24	565	0.2	\$24
Female	26	23.2	0.5	31	0.9	37	33.0	0.9	38	0.9	24	21.4	0.2	12	203	0.2	12
Disabled	24	32.9	0.5	27	0.9	27	37.0	0.9	40	0.9	18	24.7	0.2	10	165	0.2	10
64 or younger	24	34.3	0.5	27	0.9	26	37.1	0.9	40	0.9	17	24.3	0.2	10	163	0.2	10
65-74	0	0.0	0.0	0	1.5	1	33.3	1.5	6	1.5	1	33.3	1.5	6	2	1.5	6
75-84	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
85 and older	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	0.0	0
Other Eligibles	2	5.1	0.9	91	0.9	10	25.6	0.9	32	0.9	6	15.4	0.3	21	38	0.3	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	0	0	0.0	0
65-74	0	0.0	0.0	0	18.2	2	18.2	0.5	35	0.5	2	18.2	0.4	4	10	0.4	4
75-84	1	9.1	0.3	9	45.5	5	45.5	0.9	29	0.9	3	27.3	0.2	4	25	0.2	4
85 and older	1	6.3	1.0	112	18.8	3	18.8	1.3	39	1.3	1	6.3	1.3	219	3	1.3	219
Male	34	28.8	0.5	31	0.8	29	24.6	0.8	21	0.8	37	31.4	0.2	30	362	0.2	30
Disabled	29	37.7	0.5	33	0.7	22	28.6	0.7	22	0.7	27	35.1	0.2	10	293	0.2	10
64 or younger	29	38.2	0.5	33	0.7	22	28.9	0.7	22	0.7	26	34.2	0.2	11	281	0.2	11
65-74	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	1	100.0	0.1	6	12	0.1	6
75-84	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
85 and older	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0.0	0	0	0.0	0
Other Eligibles	5	12.2	0.2	10	17.1	7	17.1	0.9	19	0.9	10	24.4	0.2	115	69	0.2	115
64 or younger	1	14.3	1.0	5	28.6	2	28.6	1.5	15	1.5	2	28.6	2.0	1,636	2	2.0	1,636
65-74	0	0.0	0.0	0	44.4	4	44.4	0.7	12	0.7	2	22.2	0.6	770	5	0.6	770
75-84	3	27.3	0.1	12	0.0	0	0.0	0.0	0	0.0	3	27.3	0.1	10	36	0.1	10
85 and older	1	7.1	0.2	5	7.1	1	7.1	1.3	41	1.3	3	21.4	0.2	17	26	0.2	17
Unknown	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 ND.10C includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 476 beneficiaries who were in nursing facilities for part of their enrollment and their 4,180 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 (May 13 2003).

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

TABLE ND.10D
 MEDICAID PHARMACY BENEFIT USE AND REIMBURSEMENT PER BENEFIT MONTH FOR NINTH AND TENTH TOP DRUG GROUPS
 SEPARATELY AMONG ALL-YEAR NURSING FACILITY RESIDENTS, BY SEX, BOE, AND AGE^{a, b, c, d}
 NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	DERMATOLOGICAL					ANTIDIABETIC					Mean Rx\$	All-Year NF Residents	Bene Mos among All-Year NF Residents
	Users as %		No. of Bene Mos among Users		Mean No. of Rx	Users as %		No. of Bene Mos among Users		Mean No. of Rx			
	No. of Users	Residents	No. of Users	Residents		No. of Users	Residents	No. of Users	Residents				
All	226	98.3 %	2,278	0.3	\$8	49	21.3 %	435	0.8	\$35	230	1,700	
Female	119	106.3	1,184	0.2	7	32	28.6	308	0.8	36	112	859	
Disabled	80	109.6	847	0.2	7	22	30.1	222	0.8	37	73	599	
64 or younger	80	114.3	847	0.2	7	22	31.4	222	0.8	37	70	584	
65-74	0	0.0	0	0.0	0	0	0.0	0	0.0	0	3	15	
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	
Other Eligibles	39	100.0	337	0.3	6	10	25.6	86	0.9	35	39	260	
64 or younger	0	0.0	0	0.0	0	0	0.0	0	0.0	0	1	1	
65-74	7	63.6	84	0.3	5	1	9.1	12	0.6	3	11	80	
75-84	15	136.4	159	0.3	6	7	63.6	69	0.9	40	11	90	
85 and older	17	106.3	94	0.3	9	2	12.5	5	1.6	47	16	89	
Male	107	90.7	1,094	0.3	9	17	14.4	127	0.8	33	118	841	
Disabled	85	110.4	901	0.3	8	11	14.3	96	0.7	34	77	602	
64 or younger	84	110.5	889	0.3	8	11	14.5	96	0.7	34	76	590	
65-74	1	100.0	12	0.2	4	0	0.0	0	0.0	0	1	12	
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	
Other Eligibles	22	53.7	193	0.3	10	6	14.6	31	1.3	31	41	239	
64 or younger	3	42.9	3	1.0	13	1	14.3	1	2.0	19	7	9	
65-74	4	44.4	45	0.4	4	4	44.4	28	0.8	21	9	55	
75-84	6	54.5	60	0.4	18	0	0.0	0	0.0	0	11	70	
85 and older	9	64.3	85	0.2	8	1	7.1	2	3.5	61	14	105	
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 2002 file for Hawaii, released by CMS in 05/2006. This table was produced on 04/19/2007.

a. Table ND.10D includes the beneficiaries represented by Cell L of Table 1, those who resided in nursing facilities throughout their Medicaid enrollment in 2002. A total of 476 beneficiaries who were in nursing facilities for part of their enrollment and their 4,180 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 (May 13 2003).

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

TABLE ND.11
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
 AMONG NONDUALS, BY BENEFICIARY CHARACTERISTIC^{a,b}
 HAWAII, 2002

Beneficiary Characteristics	No. of Beneficiaries at Least One Part D Excl Rx	% Beneficiaries with at Least One Part D Excl Rx	No. of Part D Excl Rx per Beneficiary		Total No. of Part D Excl Rx	Total Part D Excl Rx \$	\$ per Part D Excl Rx	Part D Excl Rx \$ as % of All Nondual Rx \$	Total No. of Beneficiaries
			Beneficiary	Beneficiary					
All	9,696	12.7 %	1.1	83,031	\$17	\$1,286,984	\$16	4.3 %	76,453
Age									
5 and younger	561	4.2	0.3	3,319	4	56,791	17	10.2	13,252
6-14	621	4.2	0.2	3,206	14	207,183	65	15.8	14,618
15-20	325	3.7	0.2	1,614	9	74,474	46	10.5	8,754
21-44	2,461	9.4	0.7	17,718	11	287,871	16	3.1	26,238
45-64	4,434	38.3	4.0	46,377	49	564,401	12	3.6	11,591
65-74	806	63.3	5.0	6,350	47	59,515	9	4.1	1,274
75-84	392	68.1	5.9	3,381	47	27,080	8	4.2	576
85 and older	96	64.0	7.1	1,066	64	9,669	9	7.3	150
Unknown	0	0.0	0.0	0	0	0	0	0.0	0
Basis of Eligibility^c									
Aged	1,186	64.1	5.3	9,827	47	87,019	9	4.4	1,849
Disabled	7,507	58.7	5.5	70,908	90	1,151,154	16	4.2	12,782
Adults	664	2.2	0.1	1,675	0	14,930	9	3.9	30,331
Children	333	1.1	0.0	595	1	33,658	57	27.2	31,476
Unknown	6	40.0	1.7	26	15	223	9	3.1	15
Gender									
Female	5,302	13.3	1.2	47,620	18	700,344	15	4.9	39,926
Male	4,394	12.0	1.0	35,411	16	586,640	17	3.8	36,527
Unknown	0	0.0	0.0	0	0	0	0	0.0	0
Race									
White	2,733	14.8	1.4	26,698	24	447,599	17	3.8	18,522
African American	147	10.3	0.9	1,285	10	14,392	11	2.5	1,431
Other/unknown	6,816	12.1	1.0	55,048	15	824,993	15	4.7	56,500
Use of Nursing Facilities^d									
Entire year	214	93.0	23.6	5,429	295	67,743	12	15.2	230
Part year	426	89.5	11.9	5,661	153	73,032	13	5.0	476
None	9,056	12.0	0.9	71,941	15	1,146,209	16	4.1	75,747
Maintenance Assistance Status									
Cash	7,383	17.6	1.6	67,626	25	1,061,449	16	4.2	42,051
Medically needy	121	51.5	6.3	1,471	55	12,999	9	6.5	235
Poverty related	1,600	12.2	0.9	12,271	15	197,069	16	4.8	13,091
Other/unknown	592	2.8	0.1	1,663	1	15,467	9	3.9	21,076

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

TABLE ND.12
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
 AMONG NONDUALS PER BENEFIT MONTH, BY BENEFICIARY CHARACTERISTIC^{a,b}
 HAWAII, 2002

Beneficiary Characteristics	No. Rx per Bene Mo.	Rx \$ per Bene Mo.	\$ per Rx	Barbiturate \$ per Bene Mo.	Benzodiazepine \$ per Bene Mo.	No. of Bene Mos
All	0.3	\$5	\$16	\$0	\$2	251,440
Age						
5 and younger	0.1	2	17	0	0	27,583
6-14	0.1	6	65	0	2	34,443
15-20	0.1	3	46	0	0	21,345
21-44	0.2	4	16	0	2	79,211
45-64	0.7	8	12	0	3	69,947
65-74	0.5	5	9	0	1	12,067
75-84	0.6	5	8	0	0	5,608
85 and older	0.9	8	9	0	0	1,236
Unknown	0.0	0	0	0	0	0
Basis of Eligibility^c						
Aged	0.6	5	9	0	0	17,452
Disabled	0.6	9	16	0	3	123,031
Adults	0.0	0	9	0	0	54,410
Children	0.0	1	57	0	0	56,443
Unknown	0.3	2	9	0	1	104
Gender						
Female	0.4	5	15	0	1	129,049
Male	0.3	5	17	0	2	122,391
Unknown	0.0	0	0	0	0	0
Race						
White	0.4	7	17	0	3	66,802
African American	0.3	3	11	0	1	4,728
Other/unknown	0.3	5	15	0	1	179,910
Use of Nursing Facilities^d						
Entire year	3.2	40	12	1	7	1,700
Part year	1.4	17	13	0	3	4,180
None	0.3	5	16	0	2	245,560
Maintenance Assistance Status						
Cash	0.4	6	16	0	2	169,897
Medically needy	1.2	10	9	0	2	1,266
Poverty related	0.3	5	16	0	1	41,651
Other/unknown	0.0	0	9	0	0	38,626

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

TABLE ND.13
 USE AND REIMBURSEMENT FOR DRUGS EXCLUDED BY STATUTE FROM MEDICARE PART D
 FOR SELECTED DRUG CATEGORIES AMONG NONDUALS^{a,b,c}
 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
All	15,838	\$81	\$1,286,984	100.0 %	83,031	\$16	100.0 %
Anorexia or weight loss/gain	9	289	2,604	0.2	31	84	0.0
Fertility drugs	0	0	0	0.0	0	0	0.0
Drugs for cosmetic purposes	0	0	0	0.0	0	0	0.0
Cough and cold medications	2,853	50	142,330	11.1	7,283	20	8.8
Vitamins and minerals	1,670	68	114,325	8.9	6,510	18	7.8
Non-prescription drugs	7,371	42	307,327	23.9	44,597	7	53.7
Barbiturates	247	66	16,180	1.3	2,147	8	2.6
Benzodiazepines	2,804	155	434,376	33.8	19,268	23	23.2
Other Part D Excl Rx Drugs	884	305	269,842	21.0	3,195	84	3.8

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 ND.13 includes the beneficiaries represented by Cell K of Table 1. Beneficiaries include all non-dual Medicaid beneficiaries who had Medicaid pharmacy benefits during at least one month in 2002. A user is a beneficiary who had at least one prescription filled for a Part D excluded drug in 2002. A beneficiary who used drugs from two or more Part D excluded categories was counted as a user for each category. Therefore, the sum of users across drug categories may exceed the total number of individual users as noted on Table ND11.

b. Includes OTC drugs as well as prescription drugs.

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

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

APPENDIX TABLE A.1

CHARACTERISTICS OF MEDICAID BENEFICIARIES WITH AT LEAST ONE MONTH OF PHARMACY BENEFIT COVERAGE, BY BASIS OF ELIGIBILITY^{a, b}
NONDUAL BENEFICIARIES, HAWAII, 2002

Beneficiary Characteristics	No. of Beneficiaries				No. of Beneficiaries				Children	Adults	Unknown
	All	Aged	Disabled	Adults	All	Aged	Disabled	Adults			
All	178,480	1,849	14,246	67,721	15	1,681,979	17,679	150,192	578,706	935,293	109
Age											
5 and younger	37,420	0	576	0	36,844	0	352,323	0	5,715	0	346,608
6-14	43,679	0	938	0	42,741	0	452,698	0	10,337	0	442,361
15-20	21,072	0	734	5,285	15,053	0	197,385	0	7,661	43,449	146,275
21-44	53,819	0	5,100	48,706	9	4	467,173	0	53,442	413,670	45
45-64	20,479	1	6,756	13,711	0	11	193,125	9	71,568	121,455	0
65-74	1,283	1,151	113	19	0	0	12,427	11,134	1,161	132	0
75-84	576	552	24	0	0	0	5,608	5,337	271	0	0
85 and older	150	145	5	0	0	0	1,236	1,199	37	0	0
Unknown	2	0	0	0	2	4	0	0	0	0	4
Gender											
Female	95,488	1,210	7,065	40,853	46,345	15	913,257	11,766	75,252	367,125	459,005
Male	82,992	639	7,181	26,868	48,304	0	768,722	5,913	74,940	211,581	476,288
Unknown	0	0	0	0	0	0	0	0	0	0	0
Race											
White	38,911	98	4,740	17,495	16,574	4	353,419	912	49,403	143,876	159,194
African American	2,967	5	285	1,229	1,448	0	25,854	60	2,907	9,491	13,396
Other/unknown	136,602	1,746	9,221	48,997	76,627	11	1,302,706	16,707	97,882	425,339	762,703
Use of Nursing Facilities^c											
Entire year	231	72	151	7	1	0	1,704	489	1,205	9	1
Part year	482	60	358	58	6	0	4,628	619	3,609	344	56
None	177,767	1,717	13,737	67,656	94,642	15	1,675,647	16,571	145,378	578,353	935,236
Maintenance Assistance Status											
Cash	90,665	1,139	10,403	27,368	51,755	0	911,643	11,616	114,039	259,613	526,375
Medically needy	236	59	162	14	1	0	1,341	367	954	19	1
Poverty related	33,171	623	1,986	0	30,547	15	309,331	5,654	19,118	0	284,450
Other/unknown	54,408	28	1,695	40,339	12,346	0	459,664	42	16,081	319,074	124,467
Managed Care Status											
FFS all year	18,787	1,805	10,629	3,777	2,562	14	144,545	17,241	112,767	7,767	6,669
FFS part year, with Rx claims	3,932	35	1,379	1,789	728	1	37,119	353	15,287	14,592	6,879
FFS part year, no Rx claims	53,734	9	774	24,765	28,186	0	468,614	85	7,749	203,065	257,715
MC all year, with Rx claims	448	0	247	165	36	0	3,803	0	2,829	664	310
MC all year, no Rx claims	101,579	0	1,217	37,225	63,137	0	1,027,898	0	11,560	352,618	663,720

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.1 includes the beneficiaries represented by Cell J of Table 1. Benefit months are months during which beneficiaries had pharmacy benefit coverage.
 - b. Medicaid basis of eligibility is classified as: aged, disabled, adults, and children. The disabled group includes beneficiaries of any age who were determined to be eligible because of disability or blindness. The children's group includes children receiving foster care and adoptive services. The total includes some beneficiaries with unknown basis of eligibility and some whose age categories are not consistent with basis of eligibility.
 - c. Please refer to footnote f of Table 1 for methodology used to determine nursing facility residence.
- Bene Mo(s) = beneficiary (or beneficiaries); Bene Mo(s) = benefit month(s); CMS = Center for Medicare and Medicaid Services; FFS = fee-for-service pharmacy benefit; MAX = Medicaid Analytic Extract; MC = managed care; Rx = pharmacy benefit.

APPENDIX TABLE A.2
MEDICAID BENEFICIARIES AND THEIR BENEFIT MONTHS WITH OR WITHOUT FEE-FOR-SERVICE PHARMACY BENEFITS^a
NONDUAL BENEFICIARIES, HAWAII, 2002

	Bene Mos in Cell J of Table 1		Included in Cell K of Table 1		Excluded from Cell K of Table 1	
	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos	No. of Benes	No. of Bene Mos
All	178,480	1,681,979	76,453	251,440	0	1,430,539
FFS all year	18,787	144,545	18,787	144,410	0	135
FFS part year, with Rx claims	3,932	37,119	3,932	14,178	0	22,941
FFS part year, with no Rx claims	53,734	468,614	53,734	92,852	0	375,762
MC all year, with Rx claims	448	3,803	0	0	0	3,803
MC all year, with no Rx claims	101,579	1,027,898	0	0	0	1,027,898

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.