

# Reference section H

Economic costs of ESRD



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Table K.1

**Medicare Payments (\$) for ESRD Patients***period prevalent patients, 1998-2002 combined, by claim type*

	1998	1999	2000	2001	2002
Patients	316,167	330,001	346,610	364,574	387,785
Patient years at risk	264,104	275,828	290,381	305,208	324,612
Total Medicare	11,209,748,420	11,681,851,268	12,616,798,253	14,200,498,602	15,635,209,199
Total inpatient	4,432,741,175	4,716,961,960	4,964,943,706	5,527,853,595	5,973,835,443
Medical DRG	1,910,497,081	2,107,215,709	2,228,529,317	2,508,033,265	2,691,376,105
Surgical DRG	2,161,042,992	2,245,224,956	2,351,643,507	2,567,699,567	2,681,404,057
Other DRG	41,367,078	46,757,258	46,583,694	89,314,562	241,686,049
Transplant DRG	178,616,083	177,618,119	184,513,108	199,083,348	193,985,732
Non-transplant pass-throughs	134,631,210	134,367,058	148,139,959	157,801,794	159,968,645
Transplant pass-throughs	6,586,731	5,778,860	5,534,121	5,921,059	5,414,855
Total outpatient	4,053,530,324	4,411,910,666	4,703,005,045	5,288,361,458	5,887,506,097
Outpatient hemodialysis	2,168,413,604	2,312,319,557	2,463,872,438	2,658,915,214	2,924,823,831
Outpatient peritoneal dialysis	176,931,982	159,079,510	149,957,278	151,405,015	177,937,870
Outpatient other dialysis	440,684	707,828	688,174	629,853	691,532
Outpatient EPO	844,265,985	1,007,256,600	1,083,984,026	1,178,259,050	1,398,643,749
Outpatient vitamin D hormones	141,560,994	144,840,706	251,439,935	365,607,350	371,229,372
Outpatient iron	133,473,285	142,609,323	149,852,463	214,200,014	232,634,165
Outpatient other injectables	48,057,673	61,539,146	78,633,305	83,370,346	74,620,110
Radiology	75,769,361	79,709,054	72,108,762	87,091,554	103,691,311
Pharmacy	78,290,357	112,191,047	66,460,524	92,268,780	70,156,534
Ambulance	6,608,034	6,555,670	7,421,198	8,804,546	12,512,386
Laboratory/pathology	103,346,216	101,865,919	104,757,342	114,078,780	115,559,131
Outpatient other	276,372,150	283,236,305	273,829,599	333,730,956	405,006,108
Skilled nursing facility	311,786,248	263,283,172	295,714,611	376,519,009	435,895,357
Home health agency	266,041,677	81,912,636	233,290,840	257,418,640	271,503,669
Hospice	13,646,984	16,708,793	19,810,641	26,515,574	34,801,025
Total physician/supplier	2,132,002,012	2,191,074,041	2,400,033,410	2,723,830,327	3,031,667,608
Transplant surgery	17,810,144	16,860,528	17,050,724	18,050,942	18,451,156
Inpatient surgery	122,174,418	115,380,739	128,038,917	138,049,928	139,112,447
Outpatient surgery	83,164,257	82,601,540	95,183,732	113,336,873	126,176,606
~E&M nephrology inpatient	84,517,744	88,500,685	92,730,741	98,885,663	106,635,563
~E&M nephrology outpatient	11,733,659	12,456,782	13,921,448	14,706,207	17,312,913
~E&M non-nephrology inpatient	214,444,069	235,008,541	259,379,416	304,084,886	327,148,939
~E&M non-nephrology outpatient	88,627,119	98,450,958	117,653,408	137,030,100	152,215,719
Dialysis capitation	302,926,816	316,425,841	362,496,558	402,367,132	429,236,154
Inpatient dialysis	106,733,800	103,472,404	96,522,307	104,991,751	100,746,813
Home dialysis	135,924,486	130,389,402	136,136,865	137,809,911	107,963,288
Vascular access	179,520,118	189,901,034	184,880,584	199,856,179	208,768,448
Peritoneal access	4,254,457	3,879,281	3,779,168	3,877,015	3,607,980
Physician/supplier EPO	1,623,595	1,840,871	2,921,263	4,198,357	3,858,294
Physician/supplier iron	57,719	46,667	48,232	70,149	87,090
Immunosuppressive drugs	47,054,098	47,852,750	75,329,835	113,030,017	153,595,748
Durable medical equipment	89,157,704	93,732,273	83,169,993	91,749,015	114,887,730
Physician/supplier radiology	57,787,747	61,363,879	70,551,397	85,001,161	94,339,258
Physician/supplier lab/pathology	176,155,540	172,117,894	183,931,802	192,420,493	257,889,539
Physician/supplier ambulance	196,840,333	181,688,619	210,757,980	261,079,665	306,319,906
Other physician/supplier	211,494,189	239,103,354	265,549,041	303,234,883	363,314,019

~E &amp; M refers to evaluation &amp; management.

Includes all Medicare payments, beginning with the date of first ESRD service.

Medicare hospital pass-through payments for indirect medical education, organ acquisition, etc. are included.

Table K.2

**Medicare Payments for ESRD Patients: by Medicare Secondary Payor Status***period prevalent patients, 1998-2002 combined, as-treated model*

	<b>All</b>	<b>Never MSP in period</b>	<b>MSP during period</b>
Modality periods	740,171	652,114	88,057
Patient years at risk	1,438,756	1,278,414	160,342
Total Medicare	61,987,491,019	59,433,426,561	2,554,064,458
Total inpatient	24,185,518,946	23,117,314,754	1,068,204,192
Medical DRG	10,838,742,257	10,369,372,966	469,369,291
Surgical DRG	11,386,144,703	10,897,843,031	488,301,672
Other DRG	435,200,179	413,896,912	21,303,267
Transplant DRG	805,986,478	749,138,936	56,847,542
Non-transplant pass-throughs	694,501,212	663,982,403	30,518,809
Transplant pass-throughs	24,944,117	23,080,507	1,863,610
Total outpatient	23,190,993,260	22,341,869,302	849,123,959
Outpatient hemodialysis	12,050,312,616	11,630,415,127	419,897,488
Outpatient peritoneal dialysis	772,592,909	743,535,196	29,057,713
Outpatient other dialysis	3,145,326	3,020,532	124,794
Outpatient EPO	5,295,163,730	5,104,192,314	190,971,416
Outpatient vitamin D hormones	1,151,272,305	1,110,320,961	40,951,344
Outpatient iron	799,019,735	770,898,191	28,121,543
Outpatient other injectables	321,129,157	308,188,266	12,940,891
Radiology	394,816,182	377,648,218	17,167,964
Pharmacy	371,097,434	353,674,302	17,423,132
Ambulance	40,092,575	38,399,985	1,692,590
Laboratory/pathology	487,757,544	461,810,539	25,947,005
Outpatient other	1,504,593,748	1,439,765,670	64,828,078
Skilled nursing facility	1,612,957,474	1,548,418,975	64,538,499
Home health agency	1,060,544,397	1,019,257,982	41,286,416
Hospice	92,031,288	87,465,901	4,565,387
Total physician/supplier	11,845,445,653	11,319,099,648	526,346,006
Transplant surgery	77,917,138	71,627,931	6,289,207
Inpatient surgery	609,114,316	579,900,187	29,214,129
Outpatient surgery	472,279,603	447,625,987	24,653,616
~E&M nephrology inpatient	450,055,861	430,093,337	19,962,523
~E&M nephrology outpatient	62,885,964	57,860,197	5,025,767
~E&M non-nephrology inpatient	1,280,341,633	1,223,664,493	56,677,141
~E&M non-nephrology outpatient	557,878,526	527,688,116	30,190,410
Dialysis capitation	1,731,736,296	1,666,097,415	65,638,881
Inpatient dialysis	492,447,796	472,667,333	19,780,462
Home dialysis	618,766,138	594,291,188	24,474,950
Vascular access	926,499,232	889,415,357	37,083,875
Peritoneal access	18,419,260	17,407,079	1,012,180
Physician/supplier EPO	12,506,024	11,619,778	886,246
Physician/supplier iron	270,475	256,740	13,735
Immunosuppressive drugs	382,862,974	353,519,753	29,343,221
Durable medical equipment	443,860,961	422,986,116	20,874,846
Physician/supplier radiology	347,974,065	330,469,242	17,504,822
Physician/supplier lab/pathology	932,185,402	895,630,134	36,555,268
Physician/supplier ambulance	1,117,556,693	1,078,424,792	39,131,901
Other physician/supplier	1,309,887,298	1,247,854,473	62,032,825

~E &amp; M refers to evaluation &amp; management.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.



Table K.3

**Medicare Payments (\$) for Non-MSP ESRD Patients: by Modality***period prevalent patients, 1998-2002 combined, as-treated model, by modality*

	<b>All ESRD</b>	<b>Hemodialysis</b>	<b>CAPD/CCPD</b>	<b>Other dialysis</b>	<b>Transplant</b>
Modality periods	652,114	463,801	63,359	41,367	83,587
Patient years at risk	1,278,414	923,656	90,082	12,719	251,957
Total Medicare	59,433,426,561	49,883,408,130	3,725,160,936	1,190,375,250	4,634,482,245
Total inpatient	23,117,314,754	18,062,388,566	1,426,043,875	736,777,266	2,892,105,048
Medical DRG	10,369,372,966	8,320,213,652	672,347,248	348,461,582	1,028,350,485
Surgical DRG	10,897,843,031	8,913,379,843	688,265,219	361,148,242	935,049,728
Other DRG	413,896,912	315,396,588	21,239,431	8,570,691	68,690,202
Transplant DRG	749,138,936	0	0	0	749,138,936
Non-transplant pass-throughs	663,982,403	513,398,484	44,191,978	18,596,751	87,795,191
Transplant pass-throughs	23,080,507	0	0	0	23,080,507
Total outpatient	22,341,869,302	20,745,038,539	1,066,118,701	146,334,928	384,377,133
Outpatient hemodialysis	11,630,415,127	11,504,907,278	49,411,424	46,672,459	29,423,966
Outpatient peritoneal dialysis	743,535,196	37,401,320	675,030,874	27,218,132	3,884,870
Outpatient other dialysis	3,020,532	2,541,486	100,997	330,782	47,268
Outpatient EPO	5,104,192,314	4,841,421,785	212,027,856	32,449,749	18,292,925
Outpatient vitamin D hormones	1,110,320,961	1,101,887,875	3,254,525	2,781,162	2,397,399
Outpatient iron	770,898,191	755,236,997	8,522,085	4,658,194	2,480,915
Outpatient other injectables	308,188,266	271,668,994	6,491,972	1,882,121	28,145,179
Radiology	377,648,218	329,691,704	13,550,420	2,858,373	31,547,721
Pharmacy	353,674,302	306,512,204	11,425,125	4,345,150	31,391,824
Ambulance	38,399,985	32,733,651	1,980,116	1,061,640	2,624,578
Laboratory/pathology	461,810,539	307,933,003	28,189,535	5,683,615	120,004,387
Outpatient other	1,439,765,670	1,253,102,243	56,133,774	16,393,552	114,136,101
Skilled nursing facility	1,548,418,975	1,373,665,388	57,481,245	59,363,856	57,908,486
Home health agency	1,019,257,982	860,379,245	57,220,474	21,312,037	80,346,226
Hospice	87,465,901	74,001,960	5,687,647	3,287,879	4,488,415
Total physician/supplier	11,319,099,648	8,767,934,432	1,112,608,993	223,299,285	1,215,256,938
Transplant surgery	71,627,931	5,261,107	737,749	154,679	65,474,396
Inpatient surgery	579,900,187	453,982,179	38,419,419	14,759,006	72,739,583
Outpatient surgery	447,625,987	335,319,913	27,100,026	4,392,977	80,813,071
~E&M nephrology inpatient	430,093,337	343,700,353	25,982,427	15,075,422	45,335,136
~E&M nephrology outpatient	57,860,197	19,553,328	2,636,393	906,536	34,763,939
~E&M non-nephrology inpatient	1,223,664,493	999,672,465	69,512,809	50,361,003	104,118,215
~E&M non-nephrology outpatient	527,688,116	401,043,501	34,548,295	7,764,463	84,331,857
Dialysis capitation	1,666,097,415	1,509,449,625	144,342,798	7,690,562	4,614,430
Inpatient dialysis	472,667,333	404,142,095	41,793,313	18,162,658	8,569,268
Home dialysis	594,291,188	61,760,967	502,135,477	23,898,424	6,496,320
Vascular access	889,415,357	836,491,695	18,218,406	19,368,954	15,336,303
Peritoneal access	17,407,079	7,550,633	6,264,431	2,086,814	1,505,200
Physician/supplier EPO	11,619,778	4,877,599	935,030	528,082	5,279,067
Physician/supplier iron	256,740	73,152	79,642	7,934	96,012
Immunosuppressive drugs	353,519,753	3,954,328	404,789	795,726	348,364,909
Durable medical equipment	422,986,116	338,390,830	19,530,315	5,617,722	59,447,249
Physician/supplier radiology	330,469,242	252,259,357	21,738,338	6,604,479	49,867,069
Physician/supplier lab/pathology	895,630,134	756,703,692	59,476,449	9,429,761	70,020,231
Physician/supplier ambulance	1,078,424,792	1,024,329,728	19,118,914	16,334,507	18,641,643
Other physician/supplier	1,247,854,473	1,009,417,883	79,633,974	19,359,577	139,443,039

~E &amp; M refers to evaluation &amp; management.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.4

**Medicare Payments (\$) per Patient Year at Risk (YAR): All Patients***period prevalent patients, 1998-2002 combined, as-treated model, MSP excluded*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	1,278,414	1,026,457	923,656	90,082	12,719	251,957
<b>Total Medicare</b>	<b>46,490</b>	<b>53,386</b>	<b>54,006</b>	<b>41,353</b>	<b>93,591</b>	<b>18,394</b>
<b>Total inpatient</b>	<b>18,083</b>	<b>19,704</b>	<b>19,555</b>	<b>15,831</b>	<b>57,928</b>	<b>11,479</b>
Medical DRG	8,111	9,100	9,008	7,464	27,397	4,081
Surgical DRG	8,525	9,706	9,650	7,640	28,395	3,711
Other DRG	324	336	341	236	674	273
Transplant DRG	586	0	0	0	0	2,973
Non-transplant pass-throughs	519	561	556	491	1,462	348
Transplant pass-throughs	18	0	0	0	0	92
<b>Total outpatient</b>	<b>17,476</b>	<b>21,392</b>	<b>22,460</b>	<b>11,835</b>	<b>11,505</b>	<b>1,526</b>
Outpatient hemodialysis	9,098	11,302	12,456	549	3,670	117
Outpatient peritoneal dialysis	582	721	40	7,494	2,140	15
Outpatient other dialysis	2	3	3	1	26	0
Outpatient EPO	3,993	4,955	5,242	2,354	2,551	73
Outpatient vitamin D hormones	869	1,079	1,193	36	219	10
Outpatient iron	603	749	818	95	366	10
Outpatient other injectables	241	273	294	72	148	112
Radiology	295	337	357	150	225	125
Pharmacy	277	314	332	127	342	125
Ambulance	30	35	35	22	83	10
Laboratory/pathology	361	333	333	313	447	476
Outpatient other	1,126	1,291	1,357	623	1,289	453
Skilled nursing facility	1,211	1,452	1,487	638	4,667	230
Home health agency	797	915	931	635	1,676	319
Hospice	68	81	80	63	259	18
<b>Total physician/supplier</b>	<b>8,854</b>	<b>9,843</b>	<b>9,493</b>	<b>12,351</b>	<b>17,557</b>	<b>4,823</b>
Transplant surgery	56	6	6	8	12	260
Inpatient surgery	454	494	492	426	1,160	289
Outpatient surgery	350	357	363	301	345	321
~E&M nephrology inpatient	336	375	372	288	1,185	180
~E&M nephrology outpatient	45	23	21	29	71	138
~E&M non-nephrology inpatient	957	1,091	1,082	772	3,960	413
~E&M non-nephrology outpatient	413	432	434	384	610	335
Dialysis capitation	1,303	1,619	1,634	1,602	605	18
Inpatient dialysis	370	452	438	464	1,428	34
Home dialysis	465	573	67	5,574	1,879	26
Vascular access	696	852	906	202	1,523	61
Peritoneal access	14	15	8	70	164	6
Physician/supplier EPO	9	6	5	10	42	21
Physician/supplier iron	0	0	0	1	1	0
Immunosuppressive drugs	277	5	4	4	63	1,383
Durable medical equipment	331	354	366	217	442	236
Physician/supplier radiology	258	273	273	241	519	198
Physician/supplier lab/pathology	701	804	819	660	741	278
Physician/supplier ambulance	844	1,032	1,109	212	1,284	74
Other physician/supplier	976	1,080	1,093	884	1,522	553

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Dialysis modality change or transplant results in a new modality period.



Table K.5  
**Medicare Payments (\$) per Patient YAR: Patients Age 0-19**

period prevalent patients, 1998-2002 combined, as-treated model; MSP excluded

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	21,252	10,044	7,112	2,723	209	11,208
Total Medicare	25,717	40,027	42,150	34,252	43,006	12,892
Total inpatient	11,447	14,645	14,515	14,031	27,051	8,580
Medical DRG	5,502	7,351	7,245	7,325	11,283	3,845
Surgical DRG	4,234	6,678	6,647	6,129	14,893	2,043
Other DRG	146	177	198	134	30	118
Transplant DRG	1,212	0	0	0	0	2,299
Non-transplant pass-throughs	323	439	425	443	845	220
Transplant pass-throughs	30	0	0	0	0	56
Total outpatient	9,329	18,003	21,299	10,269	6,607	1,555
Outpatient hemodialysis	4,142	8,578	11,944	365	1,056	166
Outpatient peritoneal dialysis	1,007	2,074	90	7,172	3,168	51
Outpatient other dialysis	1	2	2	1	0	1
Outpatient EPO	1,820	3,737	4,748	1,328	725	102
Outpatient vitamin D hormones	421	876	1,226	24	69	12
Outpatient iron	216	442	604	49	77	13
Outpatient other injectables	181	223	278	96	28	143
Radiology	153	233	283	110	143	80
Pharmacy	216	313	401	94	173	129
Ambulance	16	24	21	32	15	10
Laboratory/pathology	506	531	539	513	512	483
Outpatient other	651	969	1,165	484	641	365
Skilled nursing facility	35	61	79	18	29	11
Home health agency	85	123	122	119	220	50
Hospice	2	4	5	2	0	1
Total physician/supplier	4,820	7,191	6,131	9,813	9,098	2,694
Transplant surgery	127	31	31	30	54	212
Inpatient surgery	197	252	257	230	355	148
Outpatient surgery	105	129	144	92	103	83
~E&M nephrology inpatient	136	185	201	143	182	92
~E&M nephrology outpatient	48	21	20	21	60	73
~E&M non-nephrology inpatient	366	464	461	445	790	279
~E&M non-nephrology outpatient	247	261	274	227	281	234
Dialysis capitation	840	1,734	1,736	1,775	1,159	38
Inpatient dialysis	186	354	322	408	726	36
Home dialysis	793	1,567	143	5,128	3,664	99
Vascular access	279	521	683	124	186	62
Peritoneal access	22	33	14	77	99	12
Physician/supplier EPO	5	3	2	6	27	7
Physician/supplier iron	0	0	0	0	0	0
Immunosuppressive drugs	396	18	15	9	257	734
Durable medical equipment	125	139	130	163	107	112
Physician/supplier radiology	106	133	143	106	133	83
Physician/supplier lab/pathology	333	537	632	312	237	149
Physician/supplier ambulance	138	251	321	75	121	37
Other physician/supplier	371	558	601	444	555	203

~E & M refers to evaluation & management.

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.6

**Medicare Payments (\$) per Patient YAR: Patients Age 20-44**

period prevalent patients, 1998-2002 combined, as-treated model, MSP excluded

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	312,629	199,846	172,837	25,460	1,549	112,783
<b>Total Medicare</b>	<b>34,838</b>	<b>45,312</b>	<b>46,440</b>	<b>37,463</b>	<b>48,407</b>	<b>16,280</b>
<b>Total inpatient</b>	<b>13,497</b>	<b>15,404</b>	<b>15,548</b>	<b>13,619</b>	<b>28,759</b>	<b>10,118</b>
Medical DRG	5,836	7,091	7,106	6,684	12,105	3,614
Surgical DRG	6,003	7,586	7,697	6,342	15,634	3,198
Other DRG	301	292	312	154	267	318
Transplant DRG	939	0	0	0	0	2,602
Non-transplant pass-throughs	390	436	433	439	753	308
Transplant pass-throughs	28	0	0	0	0	78
<b>Total outpatient</b>	<b>14,211</b>	<b>21,396</b>	<b>22,885</b>	<b>12,049</b>	<b>8,943</b>	<b>1,480</b>
Outpatient hemodialysis	6,976	10,836	12,426	565	2,237	137
Outpatient peritoneal dialysis	671	1,038	63	7,560	2,578	19
Outpatient other dialysis	2	4	4	1	36	0
Outpatient EPO	3,348	5,188	5,604	2,565	1,880	87
Outpatient vitamin D hormones	782	1,216	1,399	43	157	11
Outpatient iron	445	689	780	101	217	12
Outpatient other injectables	208	261	289	75	101	114
Radiology	231	302	328	130	169	104
Pharmacy	252	324	355	117	229	125
Ambulance	19	25	26	18	34	9
Laboratory/pathology	367	319	321	305	407	453
Outpatient other	911	1,195	1,290	569	899	409
Skilled nursing facility	253	335	355	178	613	107
Home health agency	278	318	327	249	465	207
Hospice	13	16	17	10	26	8
<b>Total physician/supplier</b>	<b>6,586</b>	<b>7,842</b>	<b>7,309</b>	<b>11,358</b>	<b>9,600</b>	<b>4,359</b>
Transplant surgery	95	14	14	15	33	239
Inpatient surgery	311	347	350	319	453	248
Outpatient surgery	242	252	259	206	247	224
~E&M nephrology inpatient	232	274	275	253	493	156
~E&M nephrology outpatient	58	21	20	29	65	124
~E&M non-nephrology inpatient	518	628	633	562	1,216	323
~E&M non-nephrology outpatient	335	364	367	339	348	284
Dialysis capitation	1,059	1,644	1,657	1,623	612	22
Inpatient dialysis	220	327	318	373	622	31
Home dialysis	534	816	104	5,571	2,122	33
Vascular access	494	737	818	187	636	65
Peritoneal access	14	19	10	68	130	6
Physician/supplier EPO	9	3	2	5	32	20
Physician/supplier iron	0	0	0	1	0	0
Immunosuppressive drugs	517	11	9	7	271	1,413
Durable medical equipment	194	180	190	112	232	218
Physician/supplier radiology	190	208	209	196	244	157
Physician/supplier lab/pathology	585	776	798	643	497	247
Physician/supplier ambulance	277	398	435	149	351	64
Other physician/supplier	701	823	839	700	996	486

~E &amp; M refers to evaluation &amp; management.

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.





Table K.7

**Medicare Payments (\$) per Patient YAR: Patients Age 45-64***period prevalent patients, 1998-2002 combined, as-treated model, MSP excluded*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	495,429	385,923	347,332	35,394	3,197	109,506
Total Medicare	42,832	49,465	50,217	40,226	70,049	19,458
Total inpatient	16,610	17,888	17,852	15,977	43,001	12,105
Medical DRG	7,067	7,851	7,833	7,085	18,314	4,306
Surgical DRG	8,075	9,194	9,174	8,145	22,988	4,132
Other DRG	313	334	340	246	612	240
Transplant DRG	654	0	0	0	0	2,960
Non-transplant pass-throughs	479	509	505	501	1,088	374
Transplant pass-throughs	21	0	0	0	0	93
Total outpatient	16,475	20,721	21,783	11,245	10,271	1,512
Outpatient hemodialysis	8,482	10,861	11,984	553	2,990	98
Outpatient peritoneal dialysis	548	700	41	7,032	2,281	9
Outpatient other dialysis	2	3	3	1	27	0
Outpatient EPO	3,827	4,896	5,185	2,301	2,280	59
Outpatient vitamin D hormones	869	1,114	1,232	40	202	8
Outpatient iron	545	697	762	92	296	8
Outpatient other injectables	229	264	285	68	126	105
Radiology	284	325	344	145	203	140
Pharmacy	262	302	321	115	287	121
Ambulance	27	32	32	21	53	11
Laboratory/pathology	333	294	296	268	371	472
Outpatient other	1,068	1,234	1,299	610	1,154	480
Skilled nursing facility	820	966	996	544	2,334	307
Home health agency	697	778	790	630	1,136	412
Hospice	41	46	46	46	108	25
Total physician/supplier	8,188	9,065	8,750	11,783	13,198	5,098
Transplant surgery	60	6	6	7	13	251
Inpatient surgery	438	472	471	450	845	315
Outpatient surgery	369	363	369	310	314	391
~E&M nephrology inpatient	294	323	322	283	789	195
~E&M nephrology outpatient	49	20	19	27	58	148
~E&M non-nephrology inpatient	791	882	880	756	2,546	472
~E&M non-nephrology outpatient	386	391	394	361	461	368
Dialysis capitation	1,219	1,561	1,577	1,488	627	14
Inpatient dialysis	314	393	382	451	1,030	35
Home dialysis	428	546	61	5,176	1,871	14
Vascular access	604	760	815	202	1,019	56
Peritoneal access	12	14	7	65	132	5
Physician/supplier EPO	8	4	4	7	28	23
Physician/supplier iron	0	0	0	1	1	0
Immunosuppressive drugs	299	6	5	5	85	1,331
Durable medical equipment	321	340	352	220	370	252
Physician/supplier radiology	247	253	253	237	351	228
Physician/supplier lab/pathology	658	760	775	627	588	297
Physician/supplier ambulance	711	889	960	204	791	81
Other physician/supplier	980	1,082	1,098	906	1,279	622

~E &amp; M refers to evaluation &amp; management.

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.8

**Medicare Payments (\$) per Patient YAR: Patients Age 65-74**

period prevalent patients, 1998-2002 combined, as-treated model, MSP excluded

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	280,323	262,669	240,085	18,474	4,110	17,654
<b>Total Medicare</b>	<b>57,479</b>	<b>59,466</b>	<b>59,667</b>	<b>47,352</b>	<b>102,224</b>	<b>27,907</b>
<b>Total inpatient</b>	<b>22,333</b>	<b>22,660</b>	<b>22,308</b>	<b>18,168</b>	<b>63,363</b>	<b>17,473</b>
Medical DRG	10,094	10,392	10,217	8,505	29,113	5,660
Surgical DRG	10,882	11,256	11,087	8,830	31,978	5,322
Other DRG	369	375	373	306	759	286
Transplant DRG	347	0	0	0	0	5,508
Non-transplant pass-throughs	630	637	631	527	1,513	518
Transplant pass-throughs	11	0	0	0	0	179
<b>Total outpatient</b>	<b>20,941</b>	<b>22,223</b>	<b>23,127</b>	<b>12,609</b>	<b>12,629</b>	<b>1,860</b>
Outpatient hemodialysis	11,178	11,924	12,935	555	4,003	78
Outpatient peritoneal dialysis	593	632	34	8,038	2,279	8
Outpatient other dialysis	3	3	2	2	28	0
Outpatient EPO	4,726	5,040	5,282	2,387	2,834	47
Outpatient vitamin D hormones	956	1,020	1,110	28	237	5
Outpatient iron	759	810	871	99	415	6
Outpatient other injectables	274	285	303	75	161	117
Radiology	364	376	393	186	252	190
Pharmacy	311	322	334	151	389	142
Ambulance	38	39	40	23	94	14
Laboratory/pathology	383	366	365	349	484	639
Outpatient other	1,356	1,406	1,458	716	1,454	614
Skilled nursing facility	1,862	1,944	1,967	1,103	4,396	643
Home health agency	1,202	1,242	1,248	996	1,952	608
Hospice	103	107	104	108	244	46
<b>Total physician/supplier</b>	<b>11,039</b>	<b>11,291</b>	<b>10,912</b>	<b>14,369</b>	<b>19,639</b>	<b>7,278</b>
Transplant surgery	31	2	2	2	9	458
Inpatient surgery	593	602	592	550	1,405	464
Outpatient surgery	435	422	423	413	404	635
~E&M nephrology inpatient	433	443	436	340	1,313	285
~E&M nephrology outpatient	36	25	23	34	79	204
~E&M non-nephrology inpatient	1,335	1,379	1,356	1,012	4,376	691
~E&M non-nephrology outpatient	494	494	492	470	677	504
Dialysis capitation	1,565	1,669	1,683	1,717	632	11
Inpatient dialysis	504	535	516	564	1,560	42
Home dialysis	485	518	56	6,165	2,129	5
Vascular access	903	959	1,003	228	1,710	62
Peritoneal access	15	16	8	76	202	7
Physician/supplier EPO	10	9	8	19	47	28
Physician/supplier iron	0	0	0	1	1	1
Immunosuppressive drugs	122	2	2	2	12	1,900
Durable medical equipment	448	456	465	319	525	331
Physician/supplier radiology	326	325	321	310	601	339
Physician/supplier lab/pathology	836	863	872	756	844	426
Physician/supplier ambulance	1,253	1,330	1,410	278	1,353	116
Other physician/supplier	1,213	1,242	1,244	1,112	1,760	772

~E &amp; M refers to evaluation &amp; management.

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.



Table K.9

**Medicare Payments (\$) per Patient YAR: Patients Age 75+***period prevalent patients, 1998-2002 combined, as-treated model, MSP excluded*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	168,780	167,974	156,291	8,031	3,653	806
Total Medicare	63,174	63,296	62,641	47,264	126,545	37,794
Total inpatient	24,677	24,671	23,773	17,429	79,017	25,776
Medical DRG	12,423	12,445	11,945	9,254	40,826	7,772
Surgical DRG	11,140	11,163	10,798	7,309	35,280	6,227
Other DRG	344	344	334	326	843	225
Transplant DRG	50	0	0	0	0	10,569
Non-transplant pass-throughs	718	719	696	540	2,068	639
Transplant pass-throughs	2	0	0	0	0	345
Total outpatient	21,734	21,828	22,521	12,507	12,688	2,029
Outpatient hemodialysis	12,003	12,060	12,826	523	4,646	99
Outpatient peritoneal dialysis	444	447	22	8,175	1,616	1
Outpatient other dialysis	2	2	2	0	20	0
Outpatient EPO	4,730	4,752	4,928	2,189	2,860	63
Outpatient vitamin D hormones	937	942	1,005	23	247	9
Outpatient iron	856	860	909	91	453	6
Outpatient other injectables	293	293	308	68	180	126
Radiology	353	353	365	172	242	179
Pharmacy	317	317	324	165	393	126
Ambulance	47	48	47	31	124	21
Laboratory/pathology	377	376	373	383	484	703
Outpatient other	1,375	1,378	1,412	687	1,423	695
Skilled nursing facility	3,202	3,213	3,158	1,652	9,000	913
Home health agency	1,470	1,474	1,464	1,229	2,434	708
Hospice	201	202	193	225	519	64
Total physician/supplier	11,890	11,908	11,532	14,222	22,887	8,304
Transplant surgery	5	1	1	0	3	740
Inpatient surgery	564	565	549	445	1,508	495
Outpatient surgery	384	382	383	373	362	783
~E&M nephrology inpatient	518	519	499	353	1,740	372
~E&M nephrology outpatient	27	25	24	35	78	252
~E&M non-nephrology inpatient	1,703	1,707	1,638	1,065	6,073	917
~E&M non-nephrology outpatient	520	520	516	477	797	590
Dialysis capitation	1,628	1,635	1,657	1,717	520	9
Inpatient dialysis	609	611	580	596	2,009	64
Home dialysis	370	372	52	6,130	1,399	10
Vascular access	1,045	1,050	1,066	218	2,205	86
Peritoneal access	14	14	7	77	168	10
Physician/supplier EPO	11	11	9	25	53	48
Physician/supplier iron	0	0	0	1	1	0
Immunosuppressive drugs	9	0	0	0	0	1,880
Durable medical equipment	446	447	452	318	519	252
Physician/supplier radiology	327	327	319	291	714	371
Physician/supplier lab/pathology	862	864	868	757	893	574
Physician/supplier ambulance	1,691	1,699	1,759	345	2,101	115
Other physician/supplier	1,157	1,159	1,153	996	1,745	737

~E &amp; M refers to evaluation &amp; management.

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.10

**Total Medicare Payments (\$) per Patient YAR: All ESRD Patients**

period prevalent patients, 1998-2002 combined; as-treated model, by age, diabetic status, race, &amp; gender; MSP excluded

ALL		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
All	White	762,467	44,918	427,490	42,874	334,945	47,531	
	Black	445,749	49,628	224,560	45,783	221,186	53,530	
	Native American	19,099	43,797	9,015	41,414	10,084	45,927	
	Asian	41,721	41,695	20,425	40,375	21,296	42,961	
	All	1,278,414	46,490	687,039	43,792	591,337	49,626	
	Diabetic	White	283,155	52,536	149,289	49,790	133,861	55,599
		Black	158,717	56,613	65,800	52,534	92,915	59,501
		Native American	12,432	47,358	5,448	45,524	6,984	48,788
		Asian	15,087	51,328	7,114	49,014	7,972	53,392
		All	474,651	53,778	230,651	50,536	243,994	56,842
	Non-diabetic	White	436,004	40,639	253,305	39,343	182,675	42,441
		Black	267,840	45,620	147,861	42,840	119,977	49,046
		Native American	5,964	37,590	3,216	35,226	2,748	40,355
		Asian	24,070	36,384	11,972	36,093	12,098	36,671
		All	737,386	42,304	418,554	40,469	318,808	44,716
	Unknown	White	43,309	38,190	24,895	37,322	18,408	39,374
Black		19,192	47,790	10,899	44,962	8,293	51,507	
Native American		703	33,480	351	34,309	352	32,652	
Asian		2,564	34,874	1,339	32,759	1,225	37,185	
All		66,377	40,873	37,834	39,431	28,536	42,786	
<b>0-19</b>								
All	White	13,777	22,105	7,818	20,927	5,958	23,652	
	Black	6,495	32,808	3,750	29,376	2,745	37,496	
	Native American	260	36,314	128	32,318	132	40,208	
	Asian	567	25,381	264	23,346	303	27,157	
	All	21,252	25,717	12,040	23,774	9,212	28,257	
Diabetic	White	106	18,402	61	14,827	45	23,260	
	Black	85	48,642	37	35,689	48	58,527	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
	All	197	31,331	103	22,176	93	41,458	
Non-diabetic	White	12,509	22,371	7,098	21,211	5,410	23,893	
	Black	5,909	32,612	3,455	29,242	2,454	37,356	
	Native American	238	36,278	116	31,344	122	40,949	
	Asian	511	25,740	239	23,771	273	27,464	
	All	19,309	25,844	10,980	23,937	8,328	28,360	
Unknown	White	1,163	19,586	660	18,432	503	21,099	
	Black	500	32,416	258	30,266	242	34,709	
	Native American	22	36,706	*	*	*	*	
	Asian	50	23,196	20	21,156	30	24,563	
	All	1,746	23,672	956	22,081	790	25,599	
<b>20-44</b>								
All	White	170,492	30,068	101,556	29,076	68,919	31,537	
	Black	126,456	41,633	74,791	39,723	51,665	44,398	
	Native American	4,076	36,703	2,229	35,278	1,847	38,424	
	Asian	9,861	28,644	5,049	28,003	4,812	29,317	
	All	312,629	34,838	184,715	33,496	127,896	36,781	
Diabetic	White	51,845	36,589	31,430	35,945	20,414	37,581	
	Black	19,862	50,521	10,308	47,750	9,554	53,510	
	Native American	1,483	46,661	795	45,692	688	47,782	
	Asian	1,269	42,277	676	41,801	593	42,820	
	All	74,965	40,668	43,533	39,135	31,432	42,791	
Non-diabetic	White	106,786	27,561	63,193	26,230	43,581	29,499	
	Black	99,759	39,999	60,142	38,380	39,617	42,457	
	Native American	2,413	31,321	1,324	29,726	1,088	33,263	
	Asian	7,768	26,698	3,878	26,090	3,890	27,304	
	All	217,743	33,305	129,171	31,960	88,560	35,271	
Unknown	White	11,861	24,137	6,933	23,882	4,923	24,517	
	Black	6,834	39,644	4,341	39,260	2,493	40,313	
	Native American	180	26,834	110	26,816	71	26,862	
	Asian	824	26,009	495	24,158	330	28,788	
	All	19,921	29,658	12,012	29,578	7,904	29,796	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.



Table K.10 (continued)

**Total Medicare Payments (\$) per Patient YAR: All ESRD Patients**

period prevalent patients, 1998-2002 combined; as-treated model, by age, diabetic status, race, &amp; gender; MSP excluded

45-64		All	Male		Female			
		YAR	Payment	YAR	Payment	YAR	Payment	
All	White	270,835	39,617	152,002	37,825	118,818	41,912	
	Black	194,681	47,722	100,483	45,007	94,198	50,619	
	Native American	10,204	41,794	4,981	39,932	5,223	43,569	
	Asian	15,674	36,593	7,911	35,899	7,763	37,301	
	All	495,429	42,832	267,975	40,615	227,440	45,446	
	Diabetic	White	118,729	48,359	64,644	46,101	54,081	51,057
		Black	83,374	52,738	36,837	49,538	46,537	55,272
		Native American	7,730	43,978	3,601	42,347	4,129	45,401
		Asian	6,524	43,420	3,394	42,423	3,130	44,501
		All	219,082	49,784	110,165	47,136	108,912	52,463
	Non-diabetic	White	138,083	32,899	79,414	31,773	58,659	34,428
		Black	103,439	43,640	59,150	42,134	44,289	45,652
		Native American	2,167	35,977	1,234	34,142	934	38,403
		Asian	8,136	31,616	4,008	30,839	4,128	32,371
		All	252,938	37,311	144,600	36,050	108,327	38,996
Unknown	White	14,023	31,749	7,944	30,972	6,078	32,765	
	Black	7,868	48,241	4,497	45,679	3,371	51,658	
	Native American	306	27,808	146	29,268	160	26,479	
	Asian	1,014	32,605	509	32,235	505	32,977	
	All	23,410	37,430	13,210	36,202	10,201	39,020	
<b>65-74</b>								
All	White	183,155	56,474	97,694	54,348	85,461	58,904	
	Black	81,725	60,259	32,022	56,877	49,700	62,435	
	Native American	3,489	53,747	1,311	53,204	2,177	54,074	
	Asian	9,611	53,507	4,317	52,277	5,294	54,510	
	All	280,323	57,479	136,618	54,900	143,700	59,929	
	Diabetic	White	77,554	62,548	36,392	60,690	41,162	64,191
		Black	41,403	62,785	14,165	59,245	27,236	64,621
		Native American	2,592	54,695	868	55,351	1,724	54,364
		Asian	4,895	58,643	2,055	56,561	2,840	60,149
		All	127,966	62,328	54,253	60,074	73,711	63,986
	Non-diabetic	White	97,264	52,053	56,563	50,609	40,701	54,059
		Black	37,758	57,461	16,638	54,937	21,119	59,450
		Native American	765	52,762	380	49,986	385	55,499
		Asian	4,282	48,327	2,058	48,866	2,225	47,829
		All	140,771	53,404	76,067	51,515	64,703	55,625
Unknown	White	8,338	51,545	4,739	50,268	3,598	53,227	
	Black	2,564	60,664	1,219	55,849	1,346	65,024	
	Native American	131	40,789	64	43,110	68	38,611	
	Asian	434	46,693	205	43,556	229	49,494	
	All	11,587	53,420	6,298	51,210	5,286	56,046	
<b>75+</b>								
All	White	124,208	62,353	68,419	60,697	55,789	64,384	
	Black	36,392	66,728	13,514	63,365	22,878	68,715	
	Native American	1,070	59,298	365	59,981	706	58,946	
	Asian	6,008	59,069	2,883	58,059	3,124	60,001	
	All	168,780	63,174	85,691	61,022	83,089	65,392	
	Diabetic	White	34,922	68,284	16,763	66,443	18,159	69,984
		Black	13,992	70,139	4,453	67,188	9,540	71,516
		Native American	627	60,328	183	60,687	444	60,180
		Asian	2,394	62,810	984	61,142	1,410	63,974
		All	52,442	68,423	22,597	66,308	29,844	70,024
	Non-diabetic	White	81,362	60,105	47,037	58,931	34,324	61,713
		Black	20,974	64,462	8,477	61,204	12,498	66,672
		Native American	380	56,840	162	56,610	218	57,010
		Asian	3,372	56,647	1,789	56,502	1,583	56,810
		All	106,625	60,854	57,736	59,166	48,889	62,848
Unknown	White	7,924	59,302	4,619	57,834	3,305	61,352	
	Black	1,425	66,595	584	65,579	841	67,302	
	Native American	63	63,914	19	81,723	43	56,038	
	Asian	242	55,816	110	55,818	131	55,814	
	All	9,714	60,296	5,358	58,730	4,355	62,205	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.11

**Total Medicare Payments (\$) per Patient YAR: Dialysis Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

ALL		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
All	White	574,956	53,970	314,175	52,181	260,776	56,125	
	Black	392,560	53,231	193,209	49,622	199,348	56,728	
	Native American	15,988	48,735	7,264	47,293	8,724	49,935	
	Asian	33,811	47,622	16,243	46,372	17,568	48,777	
	All	1,026,457	53,386	536,296	51,007	490,151	55,989	
	Diabetic	White	234,113	58,598	118,499	56,711	115,610	60,533
		Black	147,786	58,486	59,738	54,866	88,046	60,941
		Native American	11,196	49,887	4,772	48,705	6,424	50,765
		Asian	14,012	53,226	6,459	51,208	7,553	54,951
		All	412,316	58,125	192,433	55,757	219,876	60,197
	Non-diabetic	White	313,310	50,674	180,032	49,317	133,278	52,509
		Black	229,126	49,771	124,754	46,978	104,370	53,110
		Native American	4,336	46,093	2,272	44,381	2,065	47,977
		Asian	18,009	43,609	8,904	43,258	9,105	43,951
		All	568,174	50,022	318,091	48,153	250,081	52,400
Unknown	White	27,533	52,110	15,645	50,835	11,888	53,789	
	Black	15,647	54,260	8,716	51,538	6,931	57,682	
	Native American	456	45,554	221	46,737	235	44,442	
	Asian	1,790	44,128	880	42,384	910	45,813	
	All	45,968	52,470	25,772	50,779	20,194	54,621	
<b>0-19</b>								
All	White	5,230	38,978	2,806	38,683	2,422	39,326	
	Black	4,221	41,649	2,343	38,463	1,878	45,624	
	Native American	153	44,751	73	44,285	80	45,171	
	Asian	308	34,823	133	34,737	175	34,889	
	All	10,044	40,027	5,424	38,438	4,620	41,896	
Diabetic	White	46	34,294	29	24,456	17	50,668	
	Black	63	62,130	26	43,222	37	75,604	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
	All	115	48,414	61	31,500	55	67,290	
Non-diabetic	White	4,785	39,002	2,566	38,884	2,219	39,145	
	Black	3,877	41,112	2,187	38,036	1,690	45,093	
	Native American	145	43,889	69	42,855	76	44,823	
	Asian	273	35,424	118	36,072	155	34,927	
	All	9,203	39,831	5,004	38,365	4,198	41,582	
Unknown	White	398	39,230	212	38,189	186	40,412	
	Black	280	44,469	129	44,723	151	44,252	
	Native American	*	*	*	*	*	*	
	Asian	29	33,653	*	*	20	35,016	
	All	726	41,180	359	40,634	367	41,715	
<b>20-44</b>								
All	White	86,582	44,431	51,492	43,065	35,090	46,435	
	Black	102,271	46,668	60,536	44,570	41,735	49,710	
	Native American	3,001	44,623	1,653	43,201	1,348	46,366	
	Asian	6,339	37,006	3,198	36,421	3,140	37,602	
	All	199,846	45,312	117,921	43,643	81,925	47,714	
Diabetic	White	25,555	52,639	15,647	51,337	9,908	54,695	
	Black	16,215	55,308	8,339	52,444	7,876	58,341	
	Native American	1,272	50,199	705	48,543	568	52,256	
	Asian	1,045	45,971	558	45,589	487	46,407	
	All	44,586	53,360	25,567	51,521	19,020	55,832	
Non-diabetic	White	56,136	40,947	32,941	39,361	23,196	43,198	
	Black	80,799	44,942	48,827	43,137	31,971	47,699	
	Native American	1,630	40,391	888	39,166	741	41,860	
	Asian	4,837	35,013	2,382	34,361	2,455	35,646	
	All	144,365	42,946	85,644	41,346	58,721	45,279	
Unknown	White	4,891	41,530	2,905	40,502	1,986	43,032	
	Black	5,257	46,537	3,369	45,856	1,888	47,752	
	Native American	99	42,623	60	40,196	39	46,302	
	Asian	457	37,614	259	35,629	198	40,205	
	All	10,894	43,724	6,710	42,936	4,184	44,987	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.



Table K.11 (continued)

**Total Medicare Payments (\$) per Patient YAR: Dialysis Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

		All		Male		Female	
		YAR	Payment	YAR	Payment	YAR	Payment
<b>45-64</b>							
All	White	190,928	48,730	103,433	47,153	87,491	50,594
	Black	170,554	50,924	86,223	48,372	84,331	53,533
	Native American	8,456	46,418	3,963	45,383	4,492	47,331
	Asian	12,044	42,340	6,020	41,131	6,025	43,548
	All	385,923	49,465	202,173	47,499	183,746	51,628
Diabetic	White	98,817	53,026	51,568	51,639	47,244	54,540
	Black	76,917	54,540	33,197	51,731	43,720	56,672
	Native American	6,787	46,882	3,058	45,970	3,728	47,631
	Asian	5,825	45,520	2,967	44,569	2,857	46,507
	All	191,036	53,195	92,455	51,307	98,576	54,966
Non-diabetic	White	84,734	43,835	47,824	42,410	36,910	45,681
	Black	87,349	47,442	49,502	45,813	37,846	49,573
	Native American	1,485	45,230	816	43,647	669	47,162
	Asian	5,558	39,092	2,736	37,367	2,822	40,764
	All	180,202	45,433	101,646	43,927	78,556	47,383
Unknown	White	7,377	47,397	4,041	46,023	3,336	49,061
	Black	6,289	55,054	3,524	52,676	2,765	58,086
	Native American	184	38,880	89	41,123	95	36,784
	Asian	661	41,637	316	41,443	345	41,815
	All	14,686	50,404	8,072	48,864	6,614	52,283
<b>65-74</b>							
All	White	168,714	59,022	88,555	57,117	80,160	61,127
	Black	79,190	61,076	30,644	57,889	48,544	63,086
	Native American	3,315	55,084	1,217	55,271	2,098	54,976
	Asian	9,131	54,842	4,024	54,119	5,108	55,412
	All	262,669	59,466	125,693	57,207	136,971	61,538
Diabetic	White	74,850	63,479	34,550	62,001	40,300	64,746
	Black	40,611	63,207	13,734	59,921	26,875	64,881
	Native American	2,510	55,240	826	56,302	1,684	54,719
	Asian	4,746	59,474	1,947	57,987	2,799	60,509
	All	124,229	63,073	51,826	61,194	72,401	64,416
Non-diabetic	White	86,819	55,381	50,069	53,881	36,750	57,425
	Black	36,183	58,564	15,800	56,074	20,381	60,496
	Native American	703	55,558	341	53,635	361	57,373
	Asian	3,983	49,871	1,890	50,922	2,092	48,921
	All	128,385	56,103	68,525	54,296	59,859	58,171
Unknown	White	7,045	56,536	3,935	55,402	3,109	57,971
	Black	2,397	62,895	1,109	58,577	1,287	66,617
	Native American	102	48,001	49	49,322	53	46,765
	Asian	402	49,402	186	46,094	216	52,245
	All	10,055	57,852	5,342	55,876	4,711	60,086
<b>75+</b>							
All	White	123,502	62,491	67,889	60,877	55,613	64,461
	Black	36,323	66,786	13,463	63,472	22,860	68,739
	Native American	1,063	59,539	359	60,792	704	58,901
	Asian	5,989	59,127	2,868	58,139	3,121	60,034
	All	167,974	63,296	85,085	61,193	82,889	65,453
Diabetic	White	34,845	68,320	16,704	66,516	18,140	69,981
	Black	13,981	70,156	4,442	67,277	9,539	71,497
	Native American	627	60,353	183	60,772	444	60,180
	Asian	2,391	62,864	982	61,239	1,409	63,996
	All	52,349	68,454	22,525	66,384	29,824	70,018
Non-diabetic	White	80,835	60,235	46,632	59,105	34,203	61,775
	Black	20,919	64,543	8,437	61,322	12,481	66,720
	Native American	374	57,444	157	58,260	217	56,853
	Asian	3,357	56,708	1,777	56,581	1,580	56,852
	All	106,018	60,978	57,271	59,336	48,747	62,907
Unknown	White	7,822	59,840	4,552	58,339	3,270	61,931
	Black	1,424	66,660	584	65,579	839	67,413
	Native American	63	63,914	19	81,723	43	56,038
	Asian	241	55,742	110	55,657	131	55,814
	All	9,607	60,764	5,289	59,193	4,318	62,669

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.



Table K.12

**Total Medicare Payments (\$) per Patient YAR: Hemodialysis Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

ALL		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
ALL	White	505,712	54,729	276,961	52,716	228,746	57,165	
	Black	365,671	53,663	181,323	49,935	184,344	57,330	
	Native American	14,587	49,045	6,682	47,548	7,905	50,310	
	Asian	29,588	48,344	14,361	46,838	15,227	49,764	
	All	923,656	54,006	484,154	51,426	439,493	56,849	
	Diabetic	White	208,742	59,130	104,676	57,221	104,063	61,049
		Black	139,845	58,622	56,456	55,082	83,388	61,018
		Native American	10,393	49,907	4,422	48,865	5,970	50,679
		Asian	12,748	53,262	5,852	51,451	6,896	54,800
		All	376,401	58,482	174,062	56,137	202,333	60,498
	Non-diabetic	White	272,698	51,559	158,366	49,890	114,332	53,870
		Black	211,330	50,310	116,715	47,312	94,613	54,009
		Native American	3,788	46,936	2,053	44,802	1,735	49,460
		Asian	15,268	44,633	7,733	43,739	7,535	45,551
		All	506,024	50,767	286,748	48,602	219,274	53,600
Unknown	White	24,271	52,493	13,920	50,984	10,351	54,521	
	Black	14,496	54,706	8,152	51,833	6,344	58,398	
	Native American	407	46,649	207	46,638	200	46,661	
	Asian	1,572	44,501	776	42,939	795	46,026	
	All	41,232	52,906	23,345	50,994	17,886	55,393	
<b>0-19</b>								
All	White	3,319	42,443	1,861	41,661	1,458	43,454	
	Black	3,373	42,381	1,916	38,668	1,457	47,262	
	Native American	121	46,083	64	43,688	56	48,813	
	Asian	216	35,721	89	36,420	126	35,227	
	All	7,112	42,150	3,983	39,929	3,128	44,985	
Diabetic	White	39	36,278	*	*	14	52,364	
	Black	52	65,804	26	43,222	26	88,732	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
	All	97	50,863	57	33,270	40	76,019	
Non-diabetic	White	3,001	42,598	1,679	42,105	1,321	43,238	
	Black	3,078	41,854	1,772	38,309	1,306	46,665	
	Native American	114	45,821	61	43,786	54	48,120	
	Asian	191	36,858	78	38,905	113	35,440	
	All	6,457	42,010	3,638	39,993	2,818	44,622	
Unknown	White	280	41,643	157	39,191	123	44,761	
	Black	243	44,035	117	43,071	126	44,932	
	Native American	*	*	*	*	*	*	
	Asian	19	31,025	*	*	*	*	
	All	559	42,262	288	40,437	271	44,207	
<b>20-44</b>								
All	White	71,469	45,848	43,945	44,103	27,524	48,634	
	Black	92,347	47,421	56,122	45,048	36,224	51,098	
	Native American	2,569	45,661	1,511	43,612	1,058	48,588	
	Asian	5,099	38,383	2,728	37,049	2,371	39,918	
	All	172,837	46,440	105,197	44,409	67,640	49,599	
Diabetic	White	20,723	54,659	12,962	53,093	7,761	57,274	
	Black	14,866	56,028	7,744	53,174	7,122	59,132	
	Native American	1,146	49,846	659	48,327	487	51,900	
	Asian	907	47,833	492	46,744	415	49,126	
	All	38,057	54,866	22,146	52,856	15,912	57,663	
Non-diabetic	White	46,569	42,224	28,422	40,223	18,147	45,358	
	Black	72,733	45,668	45,267	43,570	27,467	49,127	
	Native American	1,340	42,147	796	39,969	544	45,330	
	Asian	3,817	36,303	2,009	34,941	1,808	37,816	
	All	125,228	44,017	76,986	42,034	48,243	47,181	
Unknown	White	4,177	42,540	2,561	41,670	1,616	43,919	
	Black	4,747	47,325	3,112	46,328	1,636	49,221	
	Native American	83	44,599	57	39,998	26	54,749	
	Asian	375	36,687	226	34,658	149	39,769	
	All	9,551	44,638	6,066	43,711	3,485	46,252	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.





Table K.12 (continued)

**Total Medicare Payments (\$) per Patient YAR: Hemodialysis Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
<b>45-64</b>								
All	White	166,426	49,752	90,561	47,966	75,861	51,883	
	Black	159,169	51,313	81,096	48,674	78,073	54,053	
	Native American	7,788	46,659	3,653	45,582	4,135	47,612	
	Asian	10,432	43,193	5,291	41,817	5,141	44,609	
	All	347,332	50,217	182,860	48,097	164,469	52,572	
	Diabetic	White	87,854	53,651	45,545	52,230	42,306	55,181
		Black	72,630	54,786	31,334	52,021	41,296	56,883
		Native American	6,280	47,092	2,827	46,148	3,453	47,865
		Asian	5,259	45,797	2,685	44,822	2,574	46,814
		All	174,428	53,667	83,863	51,772	90,561	55,421
	Non-diabetic	White	72,127	45,117	41,450	43,370	30,676	47,479
		Black	80,717	47,899	46,466	46,119	34,251	50,314
		Native American	1,351	45,352	746	43,848	605	47,205
Asian		4,592	40,330	2,327	38,193	2,265	42,525	
All		159,740	46,369	91,677	44,621	68,062	48,724	
Unknown	White	6,445	48,460	3,566	46,930	2,879	50,356	
	Black	5,822	55,312	3,296	52,865	2,526	58,504	
	Native American	157	40,614	80	41,760	77	39,412	
	Asian	581	42,258	279	43,125	302	41,459	
	All	13,165	51,187	7,319	49,534	5,845	53,256	
<b>65-74</b>								
All	White	150,990	59,331	78,613	57,345	72,378	61,488	
	Black	75,600	61,024	29,152	57,915	46,445	62,973	
	Native American	3,097	54,707	1,123	55,466	1,974	54,275	
	Asian	8,260	54,746	3,605	54,188	4,655	55,179	
	All	240,085	59,667	113,633	57,398	126,447	61,704	
	Diabetic	White	67,915	63,583	30,827	62,129	37,088	64,792
		Black	38,753	63,084	13,054	59,892	25,697	64,700
		Native American	2,368	54,821	768	56,507	1,599	54,011
		Asian	4,341	59,011	1,759	58,164	2,582	59,588
		All	114,772	63,069	47,100	61,284	67,670	64,309
	Non-diabetic	White	76,814	55,786	44,279	54,192	32,535	57,955
		Black	34,539	58,584	15,041	56,123	19,497	60,485
		Native American	630	55,449	308	53,817	322	57,006
Asian		3,551	50,050	1,683	50,731	1,868	49,436	
All		116,178	56,433	61,704	54,555	54,473	58,560	
Unknown	White	6,261	56,704	3,506	55,111	2,755	58,731	
	Black	2,308	62,938	1,057	59,011	1,251	66,254	
	Native American	99	47,241	47	49,205	52	45,487	
	Asian	368	49,759	163	46,994	205	51,967	
	All	9,135	58,051	4,829	55,816	4,304	60,548	
<b>75+</b>								
All	White	113,507	61,854	61,982	60,223	51,525	63,816	
	Black	35,182	65,948	13,037	62,621	22,145	67,906	
	Native American	1,013	59,012	331	61,124	682	57,989	
	Asian	5,581	58,084	2,648	57,297	2,933	58,794	
	All	156,291	62,641	78,481	60,524	77,809	64,775	
	Diabetic	White	32,212	67,586	15,317	65,729	16,895	69,269
		Black	13,545	69,250	4,298	66,296	9,247	70,623
		Native American	599	60,113	168	61,728	431	59,483
		Asian	2,235	61,970	910	60,823	1,325	62,758
		All	49,047	67,691	20,896	65,588	28,151	69,252
	Non-diabetic	White	74,187	59,667	42,535	58,534	31,653	61,188
		Black	20,262	63,758	8,169	60,564	12,093	65,916
		Native American	352	56,359	143	57,678	209	55,454
Asian		3,118	55,475	1,636	55,469	1,482	55,480	
All		98,421	60,382	52,743	58,736	45,678	62,282	
Unknown	White	7,108	58,714	4,130	57,203	2,978	60,811	
	Black	1,376	65,689	571	64,396	805	66,607	
	Native American	61	63,498	19	81,710	42	55,288	
	Asian	228	55,683	102	55,196	126	56,079	
	All	8,822	59,769	4,842	58,147	3,980	61,722	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.13

**Total Medicare Payments (\$) per Patient YAR: CAPD/CCPD Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

ALL		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
All	White	59,980	41,239	32,196	40,806	27,784	41,740	
	Black	24,075	42,474	10,560	40,248	13,515	44,213	
	Native American	1,281	41,221	529	39,861	752	42,178	
	Asian	3,807	37,007	1,686	36,853	2,121	37,129	
	All	90,082	41,353	45,491	40,458	44,590	42,266	
	Diabetic	White	21,505	46,790	11,871	45,565	9,634	48,298
		Black	6,785	48,608	2,807	44,297	3,978	51,651
		Native American	727	45,011	318	41,504	409	47,739
		Asian	1,064	44,208	513	41,613	551	46,626
		All	30,556	46,978	15,785	45,031	14,771	49,060
		Non-diabetic	White	35,709	38,035	18,879	37,942	16,830
	Black	16,243	39,751	7,246	38,460	8,998	40,790	
	Native American	507	36,647	198	36,963	310	36,446	
	Asian	2,541	33,702	1,074	34,511	1,467	33,109	
	All	55,420	38,292	27,625	37,871	27,795	38,709	
Unknown	White	2,765	39,454	1,446	39,133	1,319	39,806	
	Black	1,047	44,964	508	43,370	539	46,464	
	Native American	47	31,904	*	*	33	27,281	
	Asian	202	40,675	99	37,602	103	43,643	
	All	4,105	40,811	2,081	40,119	2,024	41,524	
<b>0-19</b>								
All	White	1,785	32,449	883	32,218	902	32,676	
	Black	772	37,768	389	35,960	383	39,601	
	Native American	29	40,038	*	*	23	36,221	
	Asian	87	32,491	41	31,312	46	33,563	
	All	2,723	34,252	1,335	33,458	1,388	35,016	
	Diabetic	White	*	*	*	*	*	*
		Black	*	*	*	*	*	*
		Native American	*	*	*	*	*	*
		Asian	*	*	*	*	*	*
		All	16	33,848	*	*	*	*
		Non-diabetic	White	1,668	32,518	829	32,293	839
	Black	732	37,618	379	35,912	352	39,456	
	Native American	28	36,348	*	*	21	36,225	
	Asian	78	32,310	38	30,564	40	33,988	
	All	2,554	34,237	1,268	33,423	1,287	35,040	
Unknown	White	109	31,978	50	33,049	59	31,068	
	Black	33	39,567	9	37,926	23	40,220	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
	All	153	34,531	63	35,867	90	33,588	
<b>20-44</b>								
All	White	14,197	37,055	7,036	36,028	7,161	38,065	
	Black	9,356	39,050	4,110	37,597	5,246	40,189	
	Native American	417	38,121	135	38,669	281	37,858	
	Asian	1,202	31,209	450	32,922	752	30,183	
	All	25,460	37,463	11,877	36,399	13,583	38,394	
	Diabetic	White	4,492	42,682	2,503	41,212	1,989	44,533
		Black	1,257	45,470	546	40,580	711	49,224
		Native American	120	52,827	45	51,400	76	53,666
		Asian	129	33,302	62	36,065	67	30,759
		All	6,080	43,200	3,184	41,151	2,895	45,453
		Non-diabetic	White	9,027	34,389	4,210	33,284	4,817
	Black	7,627	37,965	3,327	36,919	4,299	38,775	
	Native American	281	32,146	89	32,069	192	32,181	
	Asian	992	30,046	356	31,486	635	29,238	
	All	18,114	35,559	8,092	34,588	10,022	36,343	
Unknown	White	677	35,276	322	31,611	355	38,607	
	Black	472	39,490	237	40,253	236	38,723	
	Native American	*	*	*	*	*	*	
	Asian	81	42,084	32	42,851	49	41,588	
	All	1,266	37,151	601	35,594	665	38,557	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.



Table K.13 (continued)

**Total Medicare Payments (\$) per Patient YAR: CAPD/CCPD Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
<b>45-64</b>								
All	White	22,446	39,278	11,753	38,679	10,692	39,937	
	Black	10,432	43,081	4,610	41,092	5,821	44,656	
	Native American	617	40,921	285	39,973	333	41,732	
	Asian	1,506	34,917	684	33,855	821	35,803	
	All	35,394	40,226	17,587	39,117	17,807	41,320	
	Diabetic	White	9,840	44,756	5,415	43,611	4,425	46,157
		Black	3,821	47,141	1,641	43,325	2,180	50,014
		Native American	470	41,648	212	40,817	257	42,335
		Asian	512	39,357	257	38,495	255	40,227
		All	14,907	44,993	7,703	43,222	7,204	46,887
		Non-diabetic	White	11,783	34,816	5,929	34,273	5,854
	Black	6,172	40,049	2,760	39,189	3,412	40,745	
	Native American	121	41,012	64	37,810	57	44,583	
	Asian	923	32,017	392	31,163	531	32,646	
	All	19,115	36,398	9,220	35,596	9,895	37,146	
	Unknown	White	823	37,671	409	37,245	413	38,092
		Black	438	50,374	209	48,702	230	51,892
		Native American	27	27,700	*	*	*	*
		Asian	71	40,613	36	29,908	35	51,363
All		1,372	41,746	664	40,395	708	43,014	
<b>65-74</b>								
All	White	14,563	46,974	8,282	46,223	6,281	47,964	
	Black	2,863	49,441	1,211	44,890	1,653	52,775	
	Native American	183	49,145	81	41,306	102	55,334	
	Asian	726	46,811	353	45,237	373	48,297	
	All	18,474	47,352	10,018	45,925	8,456	49,042	
	Diabetic	White	5,438	52,402	3,013	51,328	2,425	53,737
		Black	1,449	52,944	540	48,301	909	55,699
		Native American	118	51,550	49	39,169	68	60,471
		Asian	320	55,066	146	48,735	174	60,394
		All	7,416	52,525	3,812	50,393	3,604	54,779
		Non-diabetic	White	8,471	43,794	4,909	43,226	3,562
	Black	1,337	45,826	624	42,467	714	48,762	
	Native American	63	45,520	29	46,101	34	45,017	
	Asian	375	40,451	184	43,254	190	37,733	
	All	10,286	43,937	5,768	43,158	4,517	44,931	
	Unknown	White	654	43,013	360	44,362	294	41,362
		Black	77	46,261	47	37,911	29	59,756
		Native American	*	*	*	*	*	*
		Asian	31	38,561	*	*	9	38,428
All		773	43,158	437	43,476	335	42,756	
<b>75+</b>								
All	White	6,990	46,329	4,242	45,837	2,748	47,089	
	Black	652	56,852	241	52,889	411	59,173	
	Native American	34	43,025	22	36,364	13	54,242	
	Asian	286	48,879	158	43,793	128	55,145	
	All	8,031	47,264	4,675	46,102	3,356	48,881	
	Diabetic	White	1,727	51,486	936	50,133	791	53,086
		Black	250	61,832	80	62,485	169	61,522
		Native American	19	38,141	*	*	*	*
		Asian	102	48,434	47	43,815	55	52,455
		All	2,138	52,425	1,082	50,576	1,056	54,321
		Non-diabetic	White	4,761	44,598	3,003	44,638	1,758
	Black	376	53,617	155	48,669	221	57,085	
	Native American	15	49,010	*	*	*	*	
	Asian	174	49,537	104	43,436	71	58,521	
	All	5,351	45,389	3,276	44,795	2,074	46,326	
	Unknown	White	502	45,005	304	44,465	198	45,833
		Black	27	55,802	*	*	21	62,170
		Native American	*	*	*	*	*	*
		Asian	9	41,493	*	*	*	*
All		542	45,415	316	44,343	226	46,915	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.

Table K.14

**Total Medicare Payments (\$) per Patient YAR: Other Dialysis Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

ALL		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
ALL	White	9,264	94,967	5,017	95,651	4,246	94,179	
	Black	2,813	89,093	1,325	81,619	1,488	95,745	
	Native American	120	91,250	53	89,248	67	92,842	
	Asian	416	93,431	195	94,427	221	92,550	
	All	12,719	93,591	6,650	92,691	6,068	94,591	
	Diabetic	White	3,866	95,600	1,952	97,124	1,913	94,088
		Black	1,156	100,007	475	91,633	681	105,851
		Native American	76	93,511	31	99,107	45	89,610
		Asian	201	98,700	95	88,198	106	108,102
		All	5,359	96,645	2,586	95,659	2,772	97,596
	Non-diabetic	White	4,902	93,560	2,787	93,770	2,115	93,284
		Black	1,553	81,221	794	75,565	759	87,127
		Native American	41	84,961	21	73,223	20	97,060
		Asian	199	91,617	96	102,323	103	81,574
		All	6,730	90,571	3,718	89,912	3,011	91,383
	Unknown	White	496	103,940	278	104,156	218	103,664
Black		105	85,375	56	82,461	49	88,760	
Native American		2	129,426	*	*	*	*	
Asian		16	50,834	4	52,981	12	50,120	
All		630	99,870	346	100,357	284	99,277	
<b>0-19</b>								
All	White	125	40,183	63	41,323	62	39,031	
	Black	76	48,609	38	53,550	37	43,537	
	Native American	*	*	*	*	*	*	
	Asian	5	36,786	*	*	*	*	
	All	209	43,006	106	45,193	104	40,777	
	Diabetic	White	*	*	*	*	*	*
		Black	*	*	*	*	*	*
		Native American	*	*	*	*	*	*
		Asian	*	*	*	*	*	*
		All	*	*	*	*	*	*
Non-diabetic	White	117	39,235	58	39,828	58	38,643	
	Black	68	45,129	36	47,039	32	43,011	
	Native American	*	*	*	*	*	*	
	Asian	4	27,908	*	*	*	*	
Unknown	All	192	40,958	98	41,891	94	39,979	
	White	8	53,294	*	*	*	*	
	Black	*	*	*	*	*	*	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
All	14	69,990	7	89,155	7	49,411		
<b>20-44</b>								
All	White	917	48,150	511	50,614	405	45,044	
	Black	569	49,573	303	50,611	266	48,387	
	Native American	15	47,389	6	41,944	9	50,985	
	Asian	37	35,659	20	29,657	17	42,823	
	All	1,549	48,407	847	50,065	702	46,407	
	Diabetic	White	339	61,087	181	65,575	158	55,950
		Black	92	73,237	49	69,052	43	78,045
		Native American	6	64,996	*	*	4	67,229
		Asian	8	39,328	*	*	5	30,662
		All	450	63,286	237	66,100	213	60,154
Non-diabetic	White	540	40,456	309	42,945	232	37,140	
	Black	439	45,788	234	47,731	205	43,576	
	Native American	9	36,371	4	36,803	*	*	
	Asian	29	35,131	16	25,695	12	47,812	
Unknown	All	1,023	42,625	567	44,427	456	40,385	
	White	37	41,854	21	34,663	16	51,764	
	Black	38	35,526	20	38,840	17	31,619	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
All	77	38,340	43	36,251	33	41,073		

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.



Table K.14 (continued)

**Total Medicare Payments (\$) per Patient YAR: Other Dialysis Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
<b>45-64</b>								
All	White	2,057	69,173	1,119	70,356	937	67,826	
	Black	954	71,820	517	65,963	436	78,763	
	Native American	50	76,560	25	77,408	25	75,692	
	Asian	106	63,831	44	71,871	62	58,141	
	All	3,197	70,049	1,726	69,461	1,470	70,780	
	Diabetic	White	1,123	76,597	609	78,879	514	74,024
		Black	465	76,896	222	72,942	244	80,496
		Native American	37	77,786	19	77,326	18	78,267
		Asian	54	77,212	25	80,169	29	74,664
		All	1,701	76,698	889	77,432	811	75,976
	Non-diabetic	White	824	60,546	444	61,468	380	59,468
		Black	459	66,521	276	60,555	184	75,474
		Native American	13	71,532	7	77,644	7	65,512
		Asian	44	58,432	17	66,439	26	53,126
	Unknown	All	1,347	62,667	748	61,468	599	64,165
White		109	57,931	66	51,487	44	67,642	
Black		29	74,251	20	63,067	9	98,976	
Native American		*	*	*	*	*	*	
Asian		*	*	*	*	*	*	
All	149	60,924	89	57,017	61	66,624		
<b>65-74</b>								
All	White	3,161	99,763	1,660	100,641	1,501	98,791	
	Black	727	112,373	281	111,158	446	113,140	
	Native American	35	118,990	13	123,783	22	116,109	
	Asian	145	100,402	66	97,796	79	102,570	
	All	4,110	102,224	2,042	101,962	2,067	102,483	
	Diabetic	White	1,497	98,968	710	101,726	787	96,479
		Black	408	111,295	140	107,330	268	113,372
		Native American	25	113,024	8	139,470	16	99,696
		Asian	85	99,508	42	82,591	43	116,112
		All	2,041	101,642	914	101,631	1,128	101,650
	Non-diabetic	White	1,534	99,111	881	97,638	653	101,099
		Black	306	111,953	135	113,400	171	110,810
		Native American	10	127,401	5	89,927	5	159,762
		Asian	58	100,124	23	125,051	34	83,040
	Unknown	All	1,921	101,278	1,053	100,150	868	102,642
White		130	116,660	69	127,851	61	103,941	
Black		12	158,699	5	154,388	7	162,105	
Native American		*	*	*	*	*	*	
Asian		*	*	*	*	*	*	
All	147	122,662	76	131,043	71	113,724		
<b>75+</b>								
All	White	3,005	124,141	1,664	123,560	1,340	124,862	
	Black	488	140,495	185	137,181	303	142,516	
	Native American	16	128,012	7	123,180	9	131,453	
	Asian	122	130,875	63	129,875	59	131,931	
	All	3,653	126,545	1,929	124,975	1,724	128,302	
	Diabetic	White	906	126,525	452	127,107	454	125,945
		Black	186	147,234	63	139,907	123	151,014
		Native American	9	124,161	3	150,720	6	112,384
		Asian	54	127,421	25	110,381	29	141,751
		All	1,164	130,045	547	128,114	617	131,755
	Non-diabetic	White	1,887	122,034	1,095	120,970	792	123,505
		Black	281	135,832	114	133,087	167	137,700
		Native American	6	136,197	4	105,134	3	182,080
		Asian	65	135,670	37	142,934	28	126,002
	Unknown	All	2,246	124,228	1,252	122,678	994	126,179
White		212	132,700	118	134,023	94	131,050	
Black		21	143,039	8	173,828	13	124,550	
Native American		*	*	*	*	*	*	
Asian		4	96,530	*	*	*	*	
All	243	131,199	131	133,840	112	128,116		

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.

Table K.15

**Total Medicare Payments (\$) per Patient YAR: Transplant Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, & gender; MSP excluded

ALL		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
All	White	187,511	17,165	113,315	17,069	74,169	17,315	
	Black	53,189	23,033	31,351	22,124	21,838	24,337	
	Native American	3,111	18,424	1,751	17,019	1,361	20,231	
	Asian	7,910	16,361	4,182	17,082	3,728	15,553	
	All	251,957	18,394	150,744	18,121	101,186	18,803	
	Diabetic	White	49,042	23,598	30,790	23,157	18,251	24,342
		Black	10,930	31,291	6,061	29,556	4,869	33,451
		Native American	1,237	24,459	676	23,079	560	26,125
		Asian	1,075	26,580	655	27,373	420	25,343
		All	62,336	25,024	38,218	24,252	24,118	26,248
		Non-diabetic	White	122,694	15,014	73,274	14,839	49,397
	Black		38,714	21,049	23,107	20,498	15,607	21,864
	Native American		1,627	14,931	944	13,202	683	17,322
	Asian		6,061	14,918	3,068	15,299	2,993	14,527
	All		169,212	16,390	100,463	16,142	68,727	16,757
	Unknown		White	15,776	13,896	9,251	14,470	6,520
Black		3,545	19,232	2,183	18,698	1,362	20,087	
Native American		247	11,219	130	13,221	117	8,993	
Asian		774	13,480	459	14,314	315	12,265	
All		20,409	14,753	12,062	15,185	8,342	14,138	
<b>0-19</b>								
All	White	8,548	11,782	5,012	10,984	3,536	12,914	
	Black	2,274	16,399	1,407	14,251	867	19,886	
	Native American	107	24,317	56	16,801	52	32,472	
	Asian	259	14,176	131	11,813	128	16,600	
	All	11,208	12,892	6,616	11,752	4,592	14,534	
Diabetic	White	59	5,937	*	*	*	*	
	Black	*	*	*	*	*	*	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
	All	82	7,150	43	8,845	39	5,297	
Non-diabetic	White	7,723	12,066	4,532	11,204	3,192	13,290	
	Black	2,032	16,393	1,267	14,066	764	20,251	
	Native American	93	24,478	47	14,568	46	34,575	
	Asian	238	14,653	120	11,676	118	17,688	
	All	10,107	13,108	5,976	11,855	4,130	14,922	
Unknown	White	765	9,367	448	9,110	317	9,731	
	Black	220	17,062	129	15,821	91	18,826	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
	All	1,020	11,206	597	10,929	423	11,598	
<b>20-44</b>								
All	White	83,910	15,248	50,064	14,689	33,829	16,083	
	Black	24,184	20,342	14,255	19,138	9,929	22,070	
	Native American	1,075	14,593	577	12,567	498	16,937	
	Asian	3,522	13,597	1,851	13,456	1,672	13,753	
	All	112,783	16,280	66,794	15,583	45,971	17,297	
Diabetic	White	26,290	20,989	15,784	20,687	10,506	21,441	
	Black	3,647	29,237	1,969	27,871	1,678	30,839	
	Native American	211	25,280	91	23,503	120	26,622	
	Asian	224	25,048	118	23,933	106	26,295	
	All	30,379	22,041	17,966	21,510	12,413	22,809	
Non-diabetic	White	50,650	12,725	30,252	11,931	20,386	13,910	
	Black	18,961	18,936	11,315	17,854	7,646	20,539	
	Native American	783	12,433	436	10,484	347	14,883	
	Asian	2,931	12,974	1,496	12,922	1,435	13,028	
	All	73,378	14,337	43,526	13,491	29,839	15,576	
Unknown	White	6,970	11,932	4,028	11,898	2,937	11,995	
	Black	1,577	16,663	972	16,395	605	17,095	
	Native American	82	7,738	50	10,921	*	*	
	Asian	368	11,589	236	11,597	131	11,576	
	All	9,026	12,681	5,301	12,671	3,720	12,710	

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.



Table K.15 (continued)

**Total Medicare Payments (\$) per Patient YAR: Transplant Patients**

period prevalent patients, 1998-2002 combined, as-treated model; by age, diabetic status, race, &amp; gender; MSP excluded

		All		Male		Female		
		YAR	Payment	YAR	Payment	YAR	Payment	
<b>45-64</b>								
All	White	79,907	17,843	48,569	17,960	31,327	17,664	
	Black	24,127	25,091	14,260	24,657	9,867	25,719	
	Native American	1,748	19,423	1,018	18,700	730	20,429	
	Asian	3,630	17,524	1,892	19,248	1,738	15,648	
	All	109,506	19,458	65,802	19,465	43,694	19,449	
	Diabetic	White	19,912	25,195	13,075	24,259	6,836	26,986
		Black	6,458	31,281	3,640	29,534	2,818	33,538
		Native American	943	23,087	543	21,940	400	24,644
		Asian	699	25,923	427	27,503	272	23,446
		All	28,046	26,551	17,710	25,364	10,336	28,586
	Non-diabetic	White	53,349	15,531	31,591	15,670	21,749	15,330
		Black	16,090	22,998	9,648	23,254	6,443	22,615
		Native American	682	15,839	418	15,566	265	16,271
Asian		2,578	15,497	1,272	16,802	1,306	14,225	
Unknown	All	72,736	17,187	42,954	17,411	29,771	16,866	
	White	6,645	14,378	3,903	15,389	2,742	12,940	
	Black	1,579	21,103	972	20,317	607	22,364	
	Native American	122	11,140	57	10,805	65	11,434	
	Asian	353	15,701	193	17,123	161	13,995	
All	8,725	15,591	5,138	16,307	3,587	14,565		
<b>65-74</b>								
All	White	14,441	26,703	9,139	27,518	5,302	25,297	
	Black	2,535	34,712	1,378	34,388	1,157	35,099	
	Native American	174	28,240	95	26,671	79	30,123	
	Asian	480	28,092	294	27,036	186	29,756	
	All	17,654	27,907	10,925	28,355	6,729	27,181	
	Diabetic	White	2,704	36,782	1,841	36,089	863	38,264
		Black	792	41,144	431	37,696	361	45,265
		Native American	82	38,013	42	36,644	40	39,451
		Asian	148	31,993	107	30,726	41	35,349
		All	3,737	37,571	2,427	36,162	1,310	40,180
	Non-diabetic	White	10,444	24,385	6,494	25,383	3,950	22,744
		Black	1,576	32,116	838	33,496	738	30,548
		Native American	63	21,361	39	17,744	*	*
Asian		299	27,789	167	25,594	132	30,560	
Unknown	All	12,386	25,434	7,541	26,248	4,844	24,168	
	White	1,293	24,352	804	25,141	489	23,055	
	Black	167	28,723	109	28,177	58	29,750	
	Native American	*	*	*	*	*	*	
	Asian	32	13,037	*	*	*	*	
All	1,532	24,332	957	25,155	575	22,963		
<b>75+</b>								
All	White	706	38,251	531	37,676	175	39,988	
	Black	69	35,987	50	34,760	19	39,298	
	Native American	*	*	*	*	*	*	
	Asian	19	40,692	15	42,611	*	*	
	All	806	37,794	607	37,041	199	40,084	
	Diabetic	White	77	52,188	58	45,634	19	72,749
		Black	*	*	*	*	*	*
		Native American	*	*	*	*	*	*
		Asian	*	*	*	*	*	*
		All	93	50,772	73	42,604	20	79,842
	Non-diabetic	White	527	40,126	405	38,874	121	44,306
		Black	56	33,920	39	35,781	*	*
		Native American	*	*	*	*	*	*
Asian		*	*	*	*	*	*	
Unknown	All	607	39,272	465	38,215	142	42,736	
	White	102	18,071	67	23,439	35	7,949	
	Black	*	*	*	*	*	*	
	Native American	*	*	*	*	*	*	
	Asian	*	*	*	*	*	*	
All	106	17,977	69	23,316	37	7,997		

Age calculated as of study start date.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

\*Cells with values of 10 or fewer are suppressed.



Table K.16

**Medicare Payments (\$) per Patient YAR: 1998***period prevalent patients, as-treated model, MSP excluded*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	235,333	189,996	167,298	20,000	2,698	45,337
<b>Total Medicare</b>	<b>43,359</b>	<b>49,718</b>	<b>50,225</b>	<b>40,612</b>	<b>85,761</b>	<b>16,713</b>
<b>Total inpatient</b>	<b>16,983</b>	<b>18,482</b>	<b>18,250</b>	<b>15,856</b>	<b>52,318</b>	<b>10,703</b>
Medical DRG	7,374	8,232	8,081	7,459	23,317	3,778
Surgical DRG	8,373	9,526	9,452	7,743	27,338	3,539
Other DRG	154	166	171	120	209	107
Transplant DRG	542	0	0	0	0	2,814
Non-transplant pass-throughs	520	558	546	533	1,455	363
Transplant pass-throughs	20	0	0	0	0	102
<b>Total outpatient</b>	<b>15,835</b>	<b>19,294</b>	<b>20,390</b>	<b>11,333</b>	<b>10,326</b>	<b>1,340</b>
Outpatient hemodialysis	8,505	10,509	11,815	544	3,407	109
Outpatient peritoneal dialysis	688	848	41	7,437	2,085	17
Outpatient other dialysis	2	2	2	1	14	0
Outpatient EPO	3,310	4,086	4,389	1,839	1,932	56
Outpatient vitamin D hormones	553	684	771	25	156	6
Outpatient iron	525	648	722	84	277	8
Outpatient other injectables	187	230	249	80	178	9
Radiology	292	331	354	160	229	126
Pharmacy	296	326	350	137	276	170
Ambulance	26	30	30	21	71	9
Laboratory/pathology	384	371	369	376	462	439
Outpatient other	1,067	1,228	1,300	629	1,237	392
Skilled nursing facility	1,227	1,461	1,485	803	4,844	245
Home health agency	1,043	1,184	1,216	842	1,755	449
Hospice	45	53	52	44	178	13
<b>Total physician/supplier</b>	<b>8,227</b>	<b>9,244</b>	<b>8,832</b>	<b>11,735</b>	<b>16,340</b>	<b>3,964</b>
Transplant surgery	55	6	6	8	10	258
Inpatient surgery	470	516	512	460	1,149	277
Outpatient surgery	317	328	334	280	309	269
~E&M nephrology inpatient	329	367	363	304	1,111	170
~E&M nephrology outpatient	40	22	21	28	59	116
~E&M non-nephrology inpatient	836	948	934	740	3,377	369
~E&M non-nephrology outpatient	335	351	352	329	490	267
Dialysis capitation	1,186	1,465	1,480	1,467	546	16
Inpatient dialysis	421	512	493	533	1,556	41
Home dialysis	528	648	79	5,234	1,924	28
Vascular access	707	862	928	217	1,543	60
Peritoneal access	16	19	9	75	178	6
Physician/supplier EPO	5	4	3	6	29	11
Physician/supplier iron	0	0	0	1	0	0
Immunosuppressive drugs	147	3	2	2	36	750
Durable medical equipment	333	318	330	201	429	395
Physician/supplier radiology	221	234	233	218	431	166
Physician/supplier lab/pathology	682	786	804	649	696	247
Physician/supplier ambulance	783	954	1,041	197	1,178	64
Other physician/supplier	815	902	909	788	1,287	453

~E &amp; M refers to evaluation &amp; management.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.





Table K.17

**Medicare Payments (\$) per Patient YAR: 1999***period prevalent patients, as-treated model, MSP excluded*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	246,296	199,116	177,909	18,501	2,706	47,179
Total Medicare	43,118	49,508	50,087	38,826	84,432	16,152
Total inpatient	17,229	18,800	18,659	15,147	53,023	10,600
Medical DRG	7,742	8,662	8,572	7,196	24,635	3,859
Surgical DRG	8,287	9,425	9,375	7,371	26,786	3,483
Other DRG	170	184	190	108	259	110
Transplant DRG	522	0	0	0	0	2,723
Non-transplant pass-throughs	492	529	522	473	1,344	338
Transplant pass-throughs	17	0	0	0	0	87
Total outpatient	16,472	20,058	21,128	11,164	10,493	1,339
Outpatient hemodialysis	8,669	10,696	11,863	546	3,383	115
Outpatient peritoneal dialysis	587	722	39	7,103	1,993	16
Outpatient other dialysis	3	3	3	1	42	0
Outpatient EPO	3,773	4,651	4,949	2,136	2,301	68
Outpatient vitamin D hormones	541	667	742	24	154	6
Outpatient iron	536	661	727	81	283	9
Outpatient other injectables	230	281	306	66	122	13
Radiology	293	332	352	153	229	129
Pharmacy	410	470	508	137	305	156
Ambulance	25	28	28	20	71	10
Laboratory/pathology	361	344	344	327	442	433
Outpatient other	1,045	1,202	1,268	570	1,168	384
Skilled nursing facility	988	1,178	1,200	575	3,823	185
Home health agency	314	385	391	207	1,194	16
Hospice	53	61	61	44	188	18
Total physician/supplier	8,062	9,026	8,647	11,689	15,711	3,994
Transplant surgery	51	6	6	9	9	238
Inpatient surgery	424	465	463	396	1,059	250
Outpatient surgery	299	306	311	259	323	271
~E&M nephrology inpatient	328	366	364	282	1,102	169
~E&M nephrology outpatient	41	22	21	29	72	119
~E&M non-nephrology inpatient	872	990	981	724	3,426	376
~E&M non-nephrology outpatient	355	372	374	333	532	282
Dialysis capitation	1,184	1,460	1,476	1,453	524	17
Inpatient dialysis	389	473	459	468	1,420	36
Home dialysis	486	595	69	5,483	1,750	27
Vascular access	714	870	930	199	1,457	58
Peritoneal access	14	16	8	69	157	5
Physician/supplier EPO	6	4	3	6	31	14
Physician/supplier iron	0	0	0	1	0	0
Immunosuppressive drugs	141	3	2	2	36	728
Durable medical equipment	330	305	317	176	405	436
Physician/supplier radiology	223	236	236	209	448	168
Physician/supplier lab/pathology	636	729	744	594	652	246
Physician/supplier ambulance	690	838	905	182	936	63
Other physician/supplier	878	969	979	817	1,373	492

~E &amp; M refers to evaluation &amp; management.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.18

**Medicare Payments (\$) per Patient YAR: 2000***period prevalent patients, as-treated model, MSP excluded*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	258,117	207,985	187,206	17,884	2,895	50,132
<b>Total Medicare</b>	<b>44,467</b>	<b>50,868</b>	<b>51,477</b>	<b>39,696</b>	<b>80,497</b>	<b>17,912</b>
<b>Total inpatient</b>	<b>17,360</b>	<b>18,775</b>	<b>18,657</b>	<b>15,072</b>	<b>49,285</b>	<b>11,488</b>
Medical DRG	7,808	8,726	8,643	7,130	24,001	3,997
Surgical DRG	8,250	9,325	9,290	7,354	23,789	3,792
Other DRG	158	167	173	94	231	121
Transplant DRG	609	0	0	0	0	3,135
Non-transplant pass-throughs	516	557	552	494	1,263	348
Transplant pass-throughs	18	0	0	0	0	94
<b>Total outpatient</b>	<b>16,734</b>	<b>20,435</b>	<b>21,491</b>	<b>11,017</b>	<b>10,335</b>	<b>1,381</b>
Outpatient hemodialysis	8,800	10,892	11,999	534	3,271	120
Outpatient peritoneal dialysis	527	651	37	6,905	1,721	15
Outpatient other dialysis	2	3	3	2	23	0
Outpatient EPO	3,863	4,776	5,051	2,267	2,487	74
Outpatient vitamin D hormones	893	1,105	1,221	40	206	11
Outpatient iron	538	665	727	79	283	9
Outpatient other injectables	278	330	358	70	143	63
Radiology	253	286	302	132	197	116
Pharmacy	232	261	273	127	363	112
Ambulance	26	30	31	22	68	9
Laboratory/pathology	357	334	335	305	443	455
Outpatient other	964	1,100	1,154	535	1,130	396
Skilled nursing facility	1,056	1,261	1,293	532	3,676	208
Home health agency	826	935	949	693	1,551	374
Hospice	59	69	69	51	218	14
<b>Total physician/supplier</b>	<b>8,432</b>	<b>9,392</b>	<b>9,018</b>	<b>12,330</b>	<b>15,431</b>	<b>4,446</b>
Transplant surgery	57	6	6	8	12	269
Inpatient surgery	448	484	483	410	1,030	296
Outpatient surgery	329	331	334	293	363	322
~E&M nephrology inpatient	328	364	361	281	1,021	181
~E&M nephrology outpatient	44	23	21	29	90	134
~E&M non-nephrology inpatient	917	1,039	1,031	735	3,428	414
~E&M non-nephrology outpatient	404	423	423	381	628	329
Dialysis capitation	1,292	1,599	1,618	1,581	531	19
Inpatient dialysis	344	420	408	421	1,152	32
Home dialysis	483	593	73	5,872	1,666	26
Vascular access	663	808	859	192	1,324	59
Peritoneal access	13	15	8	68	144	6
Physician/supplier EPO	9	7	6	11	42	19
Physician/supplier iron	0	0	0	1	1	0
Immunosuppressive drugs	222	4	3	5	67	1,124
Durable medical equipment	290	319	330	191	374	171
Physician/supplier radiology	245	258	257	231	466	191
Physician/supplier lab/pathology	650	741	755	606	664	273
Physician/supplier ambulance	763	930	998	196	1,043	68
Other physician/supplier	929	1,029	1,044	819	1,384	514

~E &amp; M refers to evaluation &amp; management.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.



Table K.19

**Medicare Payments (\$) per Patient YAR: 2001***period prevalent patients, as-treated model, MSP excluded*

	<b>All ESRD</b>	<b>All dialysis</b>	<b>Hemodialysis</b>	<b>CAPD/CCPD</b>	<b>Other dialysis</b>	<b>Transplant</b>
Patient years at risk	266,724	213,431	193,819	17,233	2,380	53,292
Total Medicare	48,422	55,616	56,202	42,406	103,546	19,609
Total inpatient	18,706	20,369	20,224	15,966	64,056	12,048
Medical DRG	8,514	9,574	9,482	7,562	31,634	4,271
Surgical DRG	8,713	9,913	9,859	7,706	30,308	3,905
Other DRG	293	302	306	219	581	256
Transplant DRG	634	0	0	0	0	3,174
Non-transplant pass-throughs	534	580	577	480	1,533	348
Transplant pass-throughs	19	0	0	0	0	94
Total outpatient	18,204	22,336	23,394	11,782	12,626	1,655
Outpatient hemodialysis	9,523	11,870	12,972	553	4,072	122
Outpatient peritoneal dialysis	521	648	39	7,271	2,318	14
Outpatient other dialysis	3	3	3	2	30	0
Outpatient EPO	4,200	5,230	5,495	2,587	2,755	78
Outpatient vitamin D hormones	1,044	1,302	1,427	43	276	12
Outpatient iron	606	754	817	94	427	11
Outpatient other injectables	255	263	281	67	145	226
Radiology	291	334	352	147	232	118
Pharmacy	223	263	276	92	411	63
Ambulance	30	35	36	19	90	10
Laboratory/pathology	327	290	292	250	453	473
Outpatient other	1,181	1,344	1,404	656	1,417	528
Skilled nursing facility	1,292	1,553	1,593	593	5,253	245
Home health agency	881	1,008	1,023	717	1,884	373
Hospice	78	93	91	81	310	20
Total physician/supplier	9,260	10,257	9,877	13,267	19,418	5,269
Transplant surgery	59	6	6	8	17	270
Inpatient surgery	465	504	501	429	1,241	312
Outpatient surgery	380	387	393	320	364	354
~E&M nephrology inpatient	338	376	374	277	1,273	182
~E&M nephrology outpatient	46	22	20	28	69	144
~E&M non-nephrology inpatient	1,038	1,185	1,174	823	4,661	453
~E&M non-nephrology outpatient	456	476	478	423	692	376
Dialysis capitation	1,384	1,725	1,739	1,713	689	19
Inpatient dialysis	361	443	429	452	1,516	33
Home dialysis	475	587	68	6,218	2,055	27
Vascular access	690	847	896	195	1,613	61
Peritoneal access	13	15	8	68	174	6
Physician/supplier EPO	13	9	9	15	52	27
Physician/supplier iron	0	0	0	1	0	0
Immunosuppressive drugs	350	6	5	6	96	1,727
Durable medical equipment	315	369	380	233	448	97
Physician/supplier radiology	285	301	300	271	624	220
Physician/supplier lab/pathology	657	749	760	619	752	290
Physician/supplier ambulance	912	1,120	1,195	227	1,494	78
Other physician/supplier	1,023	1,130	1,141	942	1,586	593

~E &amp; M refers to evaluation &amp; management.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

Table K.20

**Medicare Payments (\$) per Patient YAR: 2002***period prevalent patients, as-treated model, MSP excluded*

	All ESRD	All dialysis	Hemodialysis	CAPD/CCPD	Other dialysis	Transplant
Patient years at risk	271,944	215,928	197,425	16,463	2,040	56,016
<b>Total Medicare</b>	<b>52,278</b>	<b>60,413</b>	<b>60,985</b>	<b>45,791</b>	<b>123,067</b>	<b>20,919</b>
<b>Total inpatient</b>	<b>19,882</b>	<b>21,850</b>	<b>21,664</b>	<b>17,250</b>	<b>76,969</b>	<b>12,297</b>
Medical DRG	8,975	10,160	10,067	8,030	36,336	4,410
Surgical DRG	8,947	10,285	10,203	8,062	36,230	3,786
Other DRG	797	824	817	691	2,575	694
Transplant DRG	613	0	0	0	0	2,978
Non-transplant pass-throughs	532	581	577	466	1,829	346
Transplant pass-throughs	17	0	0	0	0	83
<b>Total outpatient</b>	<b>19,797</b>	<b>24,455</b>	<b>25,415</b>	<b>14,143</b>	<b>14,761</b>	<b>1,840</b>
Outpatient hemodialysis	9,863	12,392	13,460	568	4,494	116
Outpatient peritoneal dialysis	595	745	46	8,874	2,795	16
Outpatient other dialysis	2	3	3	0	19	0
Outpatient EPO	4,701	5,899	6,159	3,074	3,556	84
Outpatient vitamin D hormones	1,243	1,562	1,701	51	338	12
Outpatient iron	790	992	1,067	140	641	13
Outpatient other injectables	249	258	274	76	153	213
Radiology	346	400	421	160	244	138
Pharmacy	234	260	269	139	366	131
Ambulance	42	50	51	29	130	13
Laboratory/pathology	379	331	333	294	431	564
Outpatient other	1,352	1,562	1,631	738	1,594	540
Skilled nursing facility	1,468	1,781	1,827	671	6,278	261
Home health agency	912	1,054	1,070	717	2,144	368
Hospice	102	123	121	102	455	23
<b>Total physician/supplier</b>	<b>10,117</b>	<b>11,151</b>	<b>10,887</b>	<b>12,908</b>	<b>22,459</b>	<b>6,130</b>
Transplant surgery	58	6	5	9	14	262
Inpatient surgery	461	502	498	435	1,401	302
Outpatient surgery	415	427	433	362	376	372
~E&M nephrology inpatient	357	399	396	297	1,525	194
~E&M nephrology outpatient	54	24	23	32	62	169
~E&M non-nephrology inpatient	1,096	1,266	1,259	850	5,373	442
~E&M non-nephrology outpatient	498	524	526	469	753	400
Dialysis capitation	1,444	1,813	1,821	1,844	796	20
Inpatient dialysis	340	420	407	435	1,559	29
Home dialysis	364	452	48	5,093	2,087	22
Vascular access	706	872	918	206	1,760	66
Peritoneal access	12	14	7	67	172	6
Physician/supplier EPO	12	6	5	15	59	31
Physician/supplier iron	0	0	0	1	1	1
Immunosuppressive drugs	491	9	8	8	88	2,351
Durable medical equipment	385	451	463	294	596	129
Physician/supplier radiology	310	330	330	287	683	234
Physician/supplier lab/pathology	865	1,006	1,018	851	1,018	323
Physician/supplier ambulance	1,045	1,292	1,370	268	1,984	93
Other physician/supplier	1,203	1,337	1,350	1,086	2,152	684

~E &amp; M refers to evaluation &amp; management.

Patients of unknown age are excluded.

The payment values include pro-rated Medicare payments, starting on the date of Medicare entitlement, as determined by the USRDS payor sequence.

Patients are at risk until death, loss of Medicare entitlement, or the end of the period (12/31/02).

Dialysis modality change or transplant results in a new modality period.

On our website: Medicare Payments per Patient Year at Risk, by State ( K.20.1-50).



Table K.21

**Part B Medicare Payments (\$) per Patient YAR: by Physician/Supplier Specialty***period prevalent patients, 1998-2002 combined, as-treated model, MSP excluded*

	1998	1999	2000	2001	2002
All	8,227	8,062	8,432	9,260	10,117
Nephrology	1,880	1,846	1,897	1,992	2,178
Pediatric medicine	703	704	735	765	874
Medical supply company	800	718	737	797	832
Laboratory	630	580	587	589	795
Ambulance service supplier	789	697	769	914	1,125
Internal medicine	626	637	668	729	806
General surgery	465	441	435	437	438
Radiology (diagnostic and therapeutic)	432	446	449	485	534
Cardiology	290	299	314	341	372
Anesthesiology	244	242	240	240	234
Multispecialty clinic/group practice	206	211	255	366	134
Pharmacy	334	413	475	622	723
Ophthalmology	124	120	129	139	147
Vascular surgery	140	141	143	149	168
Thoracic surgery	92	85	78	79	74
General and family practice	111	117	130	146	175
Emergency medicine	112	119	134	153	179
Gastroenterology	98	94	92	95	97
Urology	67	67	69	74	76
Pulmonary disease	85	93	96	104	121
Orthopedic surgery	68	69	72	79	85
Neurology	60	65	67	75	81
Hematology/oncology	55	62	74	83	107
Infectious disease	60	66	69	77	87
Pathology	42	41	45	48	52
Therapeutic services	52	57	63	68	72
Podiatry	44	46	52	61	68
Cardiac surgery	27	28	29	29	32
Dermatology	29	31	35	40	46
Ambulatory surgery center	28	30	33	37	45
Psychiatry (includes neuropsychiatry)	25	23	23	23	24
Obstetrics/gynecology	19	19	21	22	26
Endocrinology	23	24	25	29	31
Plastic and reconstructive surgery	17	17	18	20	20
Otolaryngology	16	16	17	19	21
Geriatric medicine	10	12	14	16	19
Neurosurgery	13	12	13	15	15
Peripheral vascular disease	7	6	6	9	9
Rheumatology	8	8	8	9	9
Optometry	7	9	12	10	11
Home health agency	4	3	2	1	3
Hospital	3	2	2	1	1
Nuclear medicine	5	5	5	5	6
Chiropractic	4	4	4	5	5
Colorectal surgery	2	2	2	3	3
Allergy/immunology	1	1	1	1	2
Other nursing facility	1	1	1	1	1
Maxillofacial and oral surgery	1	1	1	1	1
Skilled nursing facility	1	0	0	1	1
Intermediate care nursing facility	0	0	0	0	0
Other medical care/supplies	5	10	15	24	26
Unknown	73	31	12	8	12
<b>Patients</b>	<b>291,747</b>	<b>305,532</b>	<b>316,586</b>	<b>326,708</b>	<b>329,559</b>
<b>Total years at risk</b>	<b>235,333</b>	<b>246,296</b>	<b>258,117</b>	<b>266,724</b>	<b>271,944</b>
<b>Fertile female patients (age &gt;13)</b>	<b>136,275</b>	<b>142,124</b>	<b>146,604</b>	<b>150,648</b>	<b>151,513</b>
<b>Fertile female years at risk</b>	<b>109,253</b>	<b>113,961</b>	<b>118,730</b>	<b>122,252</b>	<b>124,078</b>
<b>Pediatric patients (age &lt;20)</b>	<b>4,649</b>	<b>4,651</b>	<b>4,730</b>	<b>4,880</b>	<b>4,776</b>
<b>Pediatric years at risk</b>	<b>4,109</b>	<b>4,111</b>	<b>4,249</b>	<b>4,383</b>	<b>4,400</b>
<b>Geriatric patients (age &gt;64)</b>	<b>113,040</b>	<b>119,092</b>	<b>123,949</b>	<b>129,439</b>	<b>134,893</b>
<b>Geriatric years at risk</b>	<b>81,472</b>	<b>85,627</b>	<b>90,195</b>	<b>93,959</b>	<b>97,850</b>

Patients of unknown age are excluded.

The pediatric medicine rate uses pediatric (age &lt;20) years at risk, the geriatric medicine rate uses geriatric (age &gt;64) years at risk, and the obstetrics/gynecology rate uses fertile female (age &gt;13) years at risk. All other rates are calculated using total years at risk.

