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Table 1
Total eligible KEEP participants

	2000+2001	2002	2003	2004	2005	All
Age						
18-30	568	644	1,004	1,085	1,389	4,690
31-45	1,491	1,977	2,393	2,940	3,980	12,781
46-60	2,097	2,652	3,422	4,691	6,401	19,263
61-75	1,502	2,029	2,381	3,327	4,737	13,976
>75	424	743	721	1,081	1,541	4,510
Gender						
Male	1,959	2,570	2,944	4,144	5,851	17,468
Female	4,123	5,474	6,975	8,979	12,124	37,675
Missing	.	1	2	1	73	77
Race						
White	2,284	3,104	4,301	5,791	9,005	24,485
Black	2,652	3,393	3,430	4,279	5,221	18,975
Other	967	1,358	1,850	2,973	3,403	10,551
Unknown/missing	179	190	340	81	419	1,209
Ethnicity						
Non-Hispanic	5,464	7,333	8,805	11,233	15,642	48,477
Hispanic	618	712	1,116	1,891	2,406	6,743
U.S. Census Region						
Northeast	1,220	1,849	2,280	3,032	4,462	12,843
Midwest	837	1,224	1,707	2,465	2,575	8,808
South	3,560	4,079	4,750	6,313	8,537	27,239
West	455	888	1,183	1,314	2,470	6,310
Missing	10	5	1	.	4	20
U.S. Census Division						
New England	961	779	821	1,280	1,468	5,309
Middle Atlantic	259	1,070	1,459	1,752	2,994	7,534
East North Central	222	652	831	1,433	1,505	4,643
West North Central	615	572	876	1,032	1,070	4,165
South Atlantic	2,249	2,540	2,084	3,086	4,120	14,079
East South Central	533	521	1,466	1,728	2,143	6,391
West South Central	778	1,018	1,200	1,499	2,274	6,769
Mountain	184	391	613	950	1,616	3,754
Pacific	271	497	570	364	854	2,556
Missing	10	5	1	.	4	20
Smoking						
Yes	2,531	3,452	4,038	5,336	6,910	22,267
No	3,153	4,062	5,304	6,869	10,331	29,719
Missing	398	531	579	919	807	3,234
Education Level						
≤ 6 years	362	406	499	814	1,044	3,125
<12 years	586	871	921	1,189	1,774	5,341
12 years	1,585	2,193	2,590	3,490	4,597	14,455
>12 years	1,629	2,155	2,775	3,461	4,663	14,683
16 years	1,143	1,463	1,913	2,530	3,607	10,656
>16 years	688	862	1,132	1,470	2,133	6,285
Missing	89	95	91	170	230	675
Health Insurance Status						
Yes	4,948	6,429	7,892	10,154	14,000	43,423
No	883	1,234	1,659	2,495	3,238	9,509
Missing	251	382	370	475	810	2,288
Doctor Status						
Yes	5,223	6,936	8,467	10,964	15,279	46,869
No	652	874	1,224	1,701	2,353	6,804
Missing	207	235	230	459	416	1,547
All	6,082	8,045	9,921	13,124	18,048	55,220

"All" includes participants with missing or unknown values for data fields.

Table 1.1
Total eligible KEEP participants, by race/ethnicity

	White	Black	N Am	Other race	Hispanic	non-Hispanic	All
Age							
18-30	1,664	1,514	385	959	1,006	3,684	4,690
31-45	4,502	4,827	830	2,243	2,285	10,496	12,781
46-60	8,148	7,258	1,007	2,474	2,120	17,143	19,263
61-75	7,248	4,373	713	1,413	1,106	12,870	13,976
>75	2,923	1,003	191	336	226	4,284	4,510
Gender							
Male	8,244	5,421	803	2,608	2,303	15,165	17,468
Female	16,216	13,532	2,317	4,809	4,423	33,252	37,675
Missing	25	22	6	8	17	60	77
U.S. Census Region							
Northeast	6,585	3,895	276	1,737	1,341	11,502	12,843
Midwest	4,277	2,900	463	1,010	1,163	7,645	8,808
South	11,326	11,725	1,423	2,268	3,033	24,206	27,239
West	2,288	447	963	2,409	1,204	5,106	6,310
Missing	9	8	1	1	2	18	20
U.S. Census Division							
New England	2,799	1,286	131	847	799	4,510	5,309
Middle Atlantic	3,786	2,609	145	890	542	6,992	7,534
East North Central	2,088	1,742	57	653	799	3,844	4,643
West North Central	2,189	1,158	406	357	364	3,801	4,165
South Atlantic	5,961	6,788	85	1,034	1,174	12,905	14,079
East South Central	2,960	2,943	19	339	364	6,027	6,391
West South Central	2,405	1,994	1,319	895	1,495	5,274	6,769
Mountain	1,835	180	920	644	895	2,859	3,754
Pacific	453	267	43	1,765	309	2,247	2,556
Missing	9	8	1	1	2	18	20
Smoking							
Yes	10,479	7,181	1,696	2,458	2,414	19,853	22,267
No	12,966	10,415	1,289	4,410	3,790	25,929	29,719
Missing	1,040	1,379	141	557	539	2,695	3,234
Education Level							
≤ 6 years	860	670	168	1,190	1,410	1,715	3,125
<12 years	1,840	1,924	450	922	1,067	4,274	5,341
12 years	7,097	4,590	876	1,625	1,588	12,867	14,455
>12 years	6,589	5,493	978	1,420	1,304	13,379	14,683
16 years	4,949	3,734	406	1,446	842	9,814	10,656
>16 years	2,977	2,350	205	697	402	5,883	6,285
Missing	173	214	43	125	130	545	675
Health Insurance Status							
Yes	20,961	15,053	2,124	4,618	3,566	39,857	43,423
No	2,675	3,068	888	2,439	2,774	6,735	9,509
Missing	849	854	114	368	403	1,885	2,288
Doctor Status							
Yes	21,915	16,298	2,590	5,253	4,350	42,519	46,869
No	1,981	2,169	455	1,881	2,070	4,734	6,804
Missing	589	508	81	291	323	1,224	1,547
All	24,485	18,975	3,126	7,425	6,743	48,477	55,220

All includes participants with missing or unknown values for data fields.

Table 2
Total eligible KEEP participants with self-reported diabetes

	2000+2001	2002	2003	2004	2005	All
Age						
18-30	40	43	57	88	128	356
31-45	216	245	343	429	639	1,872
46-60	532	658	897	1,237	1,768	5,092
61-75	566	745	865	1,257	1,747	5,180
>75	144	249	254	380	538	1,565
Gender						
Male	536	671	742	1,124	1,558	4,631
Female	962	1,269	1,673	2,266	3,247	9,417
Missing	.	.	1	1	15	17
Race						
White	574	808	1,059	1,548	2,386	6,375
Black	563	710	775	1,042	1,337	4,427
Other	318	379	494	780	973	2,944
Unknown/missing	43	43	88	21	124	319
Ethnicity						
Non-Hispanic	1,326	1,765	2,152	2,937	4,168	12,348
Hispanic	172	175	264	454	652	1,717
U.S. Census Region						
Northeast	348	427	559	802	1,043	3,179
Midwest	202	289	432	715	712	2,350
South	857	1,062	1,160	1,579	2,368	7,026
West	90	160	265	295	695	1,505
Missing	1	2	.	.	2	5
U.S. Census Division						
New England	235	189	265	366	395	1,450
Middle Atlantic	113	238	294	436	648	1,729
East North Central	52	160	222	426	416	1,276
West North Central	150	129	210	289	296	1,074
South Atlantic	500	653	540	759	1,118	3,570
East South Central	134	80	281	440	645	1,580
West South Central	223	329	339	380	605	1,876
Mountain	28	67	144	208	459	906
Pacific	62	93	121	87	236	599
Missing	1	2	.	.	2	5
Smoking						
Yes	731	939	1,058	1,481	1,997	6,206
No	659	874	1,218	1,690	2,632	7,073
Missing	108	127	140	220	191	786
Education Level						
≤ 6 years	161	135	169	288	418	1,171
<12 years	183	272	293	399	599	1,746
12 years	408	599	671	933	1,309	3,920
>12 years	370	473	619	843	1,183	3,488
16 years	208	251	383	541	782	2,165
>16 years	140	185	257	336	465	1,383
Missing	28	25	24	51	64	192
Health Insurance Status						
Yes	1,246	1,593	1,962	2,749	3,747	11,297
No	191	248	358	525	841	2,163
Missing	61	99	96	117	232	605
Doctor Status						
Yes	1,370	1,800	2,252	3,097	4,385	12,904
No	73	77	120	199	325	794
Missing	55	63	44	95	110	367
All	1,498	1,940	2,416	3,391	4,820	14,065

"All" includes participants with missing or unknown values for data fields.

Table 2.1

Total eligible KEEP participants with self-reported diabetes, by race/ethnicity

	White	Black	N Am	Other race	Hispanic	non-Hispanic	All
Age							
18-30	130	94	42	73	87	269	356
31-45	681	590	198	343	380	1,492	1,872
46-60	2,073	1,757	398	739	686	4,406	5,092
61-75	2,525	1,618	371	571	484	4,696	5,180
>75	966	368	86	123	80	1,485	1,565
Gender							
Male	2,392	1,214	254	661	598	4,033	4,631
Female	3,978	3,209	837	1,187	1,117	8,300	9,417
Missing	5	4	4	1	2	15	17
U.S. Census Region							
Northeast	1,634	916	85	461	367	2,812	3,179
Midwest	1,197	668	205	235	270	2,080	2,350
South	3,058	2,775	508	549	781	6,245	7,026
West	483	66	297	604	299	1,206	1,505
Missing	3	2	.	.	.	5	5
U.S. Census Division							
New England	811	283	46	245	234	1,216	1,450
Middle Atlantic	823	633	39	216	133	1,596	1,729
East North Central	664	417	19	153	178	1,098	1,276
West North Central	533	251	186	82	92	982	1,074
South Atlantic	1,661	1,596	18	230	248	3,322	3,570
East South Central	789	705	11	58	50	1,530	1,580
West South Central	608	474	479	261	483	1,393	1,876
Mountain	393	30	289	146	234	672	906
Pacific	90	36	8	458	65	534	599
Missing	3	2	.	.	.	5	5
Smoking							
Yes	2,888	1,878	619	687	674	5,532	6,206
No	3,222	2,219	433	1,040	926	6,147	7,073
Missing	265	330	43	122	117	669	786
Education Level							
≤ 6 years	338	248	102	410	474	697	1,171
<12 years	605	633	193	256	298	1,448	1,746
12 years	2,012	1,154	290	391	380	3,540	3,920
>12 years	1,686	1,152	302	310	284	3,204	3,488
16 years	1,012	699	130	296	167	1,998	2,165
>16 years	672	484	64	152	77	1,306	1,383
Missing	50	57	14	34	37	155	192
Health Insurance Status							
Yes	5,491	3,606	767	1,242	1,025	10,272	11,297
No	664	611	281	512	597	1,566	2,163
Missing	220	210	47	95	95	510	605
Doctor Status							
Yes	5,989	4,120	992	1,540	1,388	11,516	12,904
No	233	201	73	250	267	527	794
Missing	153	106	30	59	62	305	367
All	6,375	4,427	1,095	1,849	1,717	12,348	14,065

"All" includes participants with missing or unknown values for data fields.

Table 3
Total eligible KEEP participants with elevated blood sugar*

	Total N	Elevated blood sugar (N)	Elevated blood sugar (%)	Mean blood sugar
Age				
18-30	4,536	236	5.2	98.0
31-45	12,432	1,309	10.5	108.2
46-60	18,740	3,394	18.1	118.7
61-75	13,632	3,234	23.7	123.7
>75	4,409	977	22.2	121.1
Gender				
Male	17,026	3,238	19.0	118.9
Female	36,654	5,896	16.1	114.7
Missing	69	16	23.2	119.8
Race				
White	23,869	3,904	16.4	114.6
Black	18,382	3,033	16.5	115.2
Other	10,339	2,009	19.4	120.2
Unknown/missing	1,159	204	17.6	119.2
Ethnicity				
Non-Hispanic	47,180	8,014	17.0	115.8
Hispanic	6,569	1,136	17.3	117.2
U.S. Census Region				
Northeast	12,487	1,985	15.9	115.3
Midwest	8,613	1,443	16.8	116.0
South	26,473	4,731	17.9	116.7
West	6,156	989	16.1	114.4
Missing	20	2	10.0	114.7
U.S. Census Division				
New England	5,121	836	16.3	115.4
Middle Atlantic	7,366	1,149	15.6	115.2
East North Central	4,542	775	17.1	116.9
West North Central	4,071	668	16.4	115.0
South Atlantic	13,675	2,463	18.0	116.8
East South Central	6,177	1,027	16.6	114.2
West South Central	6,621	1,241	18.7	118.8
Mountain	3,659	604	16.5	115.4
Pacific	2,497	385	15.4	112.9
Missing	20	2	10.0	114.7
Smoking				
Yes	21,686	4,035	18.6	118.6
No	28,956	4,586	15.8	114.0
Missing	3,107	529	17.0	116.7
Education Level				
≤ 6 years	3,053	795	26.0	128.6
<12 years	5,204	1,131	21.7	123.8
12 years	14,095	2,592	18.4	117.8
>12 years	14,284	2,249	15.7	114.5
16 years	10,364	1,382	13.3	110.4
>16 years	6,107	862	14.1	111.1
Missing	642	139	21.7	123.6
Health Insurance Status				
Yes	42,275	7,119	16.8	115.3
No	9,282	1,612	17.4	118.3
Missing	2,192	419	19.1	118.7
Doctor Status				
Yes	45,635	8,133	17.8	116.8
No	6,627	755	11.4	110.0
Missing	1,487	262	17.6	117.5
All	53,749	9,150	17.0	116.0

Excludes participants with missing blood sugar levels. *elevated blood sugar: >126 mg/dl fasting or >139 mg/dl non-fasting.
 "All" includes participants with missing or unknown values for data fields.

Table 3.1

Total eligible KEEP participants with elevated blood sugar*: White

	Total N	Elevated blood sugar (N)	Elevated blood sugar (%)	Mean blood sugar
Age				
18-30	1,594	77	4.8	96.4
31-45	4,392	421	9.6	105.6
46-60	7,930	1,293	16.3	116.0
61-75	7,092	1,514	21.3	120.7
>75	2,861	599	20.9	119.9
Gender				
Male	8,060	1,567	19.4	118.8
Female	15,786	2,332	14.8	112.5
Missing	23	5	21.7	130.3
U.S. Census Region				
Northeast	6,409	965	15.1	113.9
Midwest	4,195	710	16.9	115.9
South	11,057	1,965	17.8	116.1
West	2,199	264	12.0	107.2
Missing	9	0	0.0	89.9
U.S. Census Division				
New England	2,710	438	16.2	115.2
Middle Atlantic	3,699	527	14.2	113.0
East North Central	2,051	365	17.8	118.2
West North Central	2,144	345	16.1	113.7
South Atlantic	5,828	1,100	18.9	118.0
East South Central	2,867	476	16.6	113.8
West South Central	2,362	389	16.5	114.1
Mountain	1,767	208	11.8	106.5
Pacific	432	56	13.0	110.0
Missing	9	0	0.0	89.9
Smoking				
Yes	10,226	1,799	17.6	116.7
No	12,635	1,929	15.3	112.9
Missing	1,008	176	17.5	115.4
Education Level				
≤ 6 years	849	211	24.9	128.4
<12 years	1,805	398	22.0	123.7
12 years	6,935	1,251	18.0	117.1
>12 years	6,411	1,026	16.0	113.4
16 years	4,814	595	12.4	109.3
>16 years	2,889	390	13.5	110.5
Missing	166	33	19.9	117.4
Health Insurance Status				
Yes	20,443	3,289	16.1	114.1
No	2,607	468	18.0	118.5
Missing	819	147	17.9	116.6
Doctor Status				
Yes	21,373	3,591	16.8	115.1
No	1,925	204	10.6	108.7
Missing	571	109	19.1	117.3
All	23,869	3,904	16.4	114.6

Excludes participants with missing blood sugar levels.

*elevated blood sugar: >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 3.2

Total eligible KEEP participants with elevated blood sugar*: Black

	Total N	Elevated blood sugar (N)	Elevated blood sugar (%)	Mean blood sugar
Age				
18-30	1,466	84	5.7	98.8
31-45	4,666	467	10.0	108.0
46-60	7,030	1,228	17.5	117.5
61-75	4,242	1,033	24.4	123.7
>75	978	221	22.6	121.0
Gender				
Male	5,247	926	17.6	117.0
Female	13,115	2,104	16.0	114.5
Missing	20	3	15.0	97.6
U.S. Census Region				
Northeast	3,777	593	15.7	114.9
Midwest	2,823	451	16.0	113.9
South	11,346	1,944	17.1	115.9
West	428	45	10.5	108.4
Missing	8	0	0.0	99.0
U.S. Census Division				
New England	1,233	183	14.8	113.2
Middle Atlantic	2,544	410	16.1	115.6
East North Central	1,700	298	17.5	117.0
West North Central	1,123	153	13.6	109.3
South Atlantic	6,547	1,149	17.6	116.3
East South Central	2,839	492	17.3	115.1
West South Central	1,960	303	15.5	115.8
Mountain	174	22	12.6	110.6
Pacific	254	23	9.1	106.8
Missing	8	0	0.0	99.0
Smoking				
Yes	6,953	1,276	18.4	118.2
No	10,114	1,523	15.1	112.7
Missing	1,315	234	17.8	118.2
Education Level				
≤ 6 years	649	170	26.2	124.1
<12 years	1,862	405	21.8	123.9
12 years	4,451	797	17.9	117.3
>12 years	5,313	805	15.2	114.7
16 years	3,618	491	13.6	110.0
>16 years	2,284	324	14.2	110.5
Missing	205	41	20.0	118.6
Health Insurance Status				
Yes	14,587	2,382	16.3	114.6
No	2,977	483	16.2	116.8
Missing	818	168	20.5	119.3
Doctor Status				
Yes	15,800	2,713	17.2	116.0
No	2,098	236	11.2	109.0
Missing	484	84	17.4	117.2
All	18,382	3,033	16.5	115.2

Excludes participants with missing blood sugar levels.

*elevated blood sugar: >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 3.3

Total eligible KEEP participants with elevated blood sugar*: Native American

	Total N	Elevated blood sugar (N)	Elevated blood sugar (%)	Mean blood sugar
Age				
18-30	384	31	8.1	104.5
31-45	817	143	17.5	122.6
46-60	989	291	29.4	136.0
61-75	701	264	37.7	143.3
>75	186	57	30.6	135.2
Gender				
Male	794	202	25.4	127.5
Female	2,277	580	25.5	130.9
missing	6	4	66.7	176.7
U.S. Census Region				
Northeast	271	55	20.3	119.1
Midwest	456	110	24.1	131.5
South	1,397	382	27.3	130.6
West	952	238	25.0	131.9
Missing	1	1	100.0	147.0
U.S. Census Division				
New England	129	25	19.4	117.1
Middle Atlantic	142	30	21.1	121.0
East North Central	56	8	14.3	115.0
West North Central	400	102	25.5	133.8
South Atlantic	83	12	14.5	114.6
East South Central	19	5	26.3	127.8
West South Central	1,295	365	28.2	131.7
Mountain	912	231	25.3	132.4
Pacific	40	7	17.5	118.5
Missing	1	1	100.0	147.0
Smoking				
Yes	1,669	408	24.4	129.1
No	1,270	346	27.2	131.7
Missing	138	32	23.2	127.4
Education Level				
≤ 6 years	167	74	44.3	154.9
<12 years	438	132	30.1	136.6
12 years	861	206	23.9	128.4
>12 years	964	214	22.2	125.0
16 years	403	94	23.3	129.7
>16 years	203	51	25.1	127.5
Missing	41	15	36.6	135.1
Health Insurance Status				
Yes	2,094	547	26.1	129.8
No	872	202	23.2	130.4
Missing	111	37	33.3	133.9
Doctor Status				
Yes	2,549	694	27.2	131.7
No	447	69	15.4	119.6
Missing	81	23	28.4	138.1
All	3,077	786	25.5	130.1

Excludes participants with missing blood sugar levels.

*elevated blood sugar: >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 3.4

Total eligible KEEP participants with elevated blood sugar*: Other race

	Total N	Elevated blood sugar (N)	Elevated blood sugar (%)	Mean blood sugar
Age				
18-30	928	38	4.1	97.1
31-45	2,190	236	10.8	108.3
46-60	2,435	498	20.5	122.7
61-75	1,379	361	26.2	127.2
>75	330	90	27.3	123.7
Gender				
Male	2,549	482	18.9	119.9
Female	4,707	741	15.7	113.9
Missing	6	0	0.0	105.8
U.S. Census Region				
Northeast	1,694	325	19.2	120.7
Midwest	985	148	15.0	115.1
South	2,202	347	15.8	114.4
West	2,380	403	16.9	114.6
Missing	1	0	0.0	97.0
U.S. Census Division				
New England	815	161	19.8	119.8
Middle Atlantic	879	164	18.7	121.5
East North Central	635	91	14.3	113.4
West North Central	350	57	16.3	118.2
South Atlantic	1,013	155	15.3	112.2
East South Central	327	35	10.7	109.2
West South Central	862	157	18.2	118.9
Mountain	633	107	16.9	115.0
Pacific	1,747	296	16.9	114.4
Missing	1	0	0.0	97.0
Smoking				
Yes	2,404	472	19.6	119.9
No	4,319	679	15.7	114.2
Missing	539	72	13.4	112.7
Education Level				
≤ 6 years	1,161	284	24.5	127.0
<12 years	902	164	18.2	119.0
12 years	1,589	292	18.4	116.9
>12 years	1,398	181	12.9	111.8
16 years	1,412	185	13.1	109.8
>16 years	678	88	13.0	110.2
Missing	122	29	23.8	129.3
Health Insurance Status				
Yes	4,513	783	17.3	116.1
No	2,398	388	16.2	116.0
Missing	351	52	14.8	115.3
Doctor Status				
Yes	5,137	971	18.9	118.1
No	1,845	216	11.7	110.6
Missing	280	36	12.9	112.8
All	7,262	1,223	16.8	116.0

Excludes participants with missing blood sugar levels.

*elevated blood sugar: >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 3.5

Total eligible KEEP participants with elevated blood sugar*: Hispanic

	Total N	Elevated blood sugar (N)	Elevated blood sugar (%)	Mean blood sugar
Age				
18-30	974	44	4.5	96.9
31-45	2,226	257	11.5	109.3
46-60	2,071	491	23.7	127.7
61-75	1,079	292	27.1	130.0
>75	219	52	23.7	124.9
Gender				
Male	2,243	421	18.8	121.0
Female	4,311	713	16.5	115.2
Missing	15	2	13.3	107.1
U.S. Census Region				
Northeast	1,302	255	19.6	121.2
Midwest	1,137	175	15.4	115.5
South	2,947	490	16.6	116.0
West	1,181	215	18.2	117.1
Missing	2	1	50.0	272.5
U.S. Census Division				
New England	768	149	19.4	120.1
Middle Atlantic	534	106	19.9	122.7
East North Central	779	116	14.9	113.9
West North Central	358	59	16.5	118.9
South Atlantic	1,156	157	13.6	109.5
East South Central	354	30	8.5	107.6
West South Central	1,437	303	21.1	123.3
Mountain	884	164	18.6	117.4
Pacific	297	51	17.2	116.3
Missing	2	1	50.0	272.5
Smoking				
Yes	2,352	437	18.6	119.8
No	3,699	628	17.0	116.0
Missing	518	71	13.7	113.8
Education Level				
≤ 6 years	1,379	331	24.0	127.1
<12 years	1,040	193	18.6	118.6
12 years	1,536	251	16.3	115.3
>12 years	1,281	178	13.9	112.1
16 years	819	107	13.1	110.9
>16 years	390	47	12.1	110.0
Missing	124	29	23.4	134.5
Health Insurance Status				
Yes	3,469	668	19.3	119.6
No	2,717	418	15.4	114.6
Missing	383	50	13.1	114.0
Doctor Status				
Yes	4,235	879	20.8	121.5
No	2,022	215	10.6	108.6
Missing	312	42	13.5	114.6
All	6,569	1,136	17.3	117.2

Excludes participants with missing blood sugar levels.

*elevated blood sugar: >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 3.6

Total eligible KEEP participants with elevated blood sugar*: non-Hispanic

	Total N	Elevated blood sugar (N)	Elevated blood sugar (%)	Mean blood sugar
Age				
18-30	3,562	192	5.4	98.2
31-45	10,206	1,052	10.3	108.0
46-60	16,669	2,903	17.4	117.6
61-75	12,553	2,942	23.4	123.1
>75	4,190	925	22.1	120.9
Gender				
Male	14,783	2,817	19.1	118.5
Female	32,343	5,183	16.0	114.6
Missing	54	14	25.9	123.3
U.S. Census Region				
Northeast	11,185	1,730	15.5	114.6
Midwest	7,476	1,268	17.0	116.1
South	23,526	4,241	18.0	116.8
West	4,975	774	15.6	113.7
Missing	18	1	5.6	97.1
U.S. Census Division				
New England	4,353	687	15.8	114.6
Middle Atlantic	6,832	1,043	15.3	114.6
East North Central	3,763	659	17.5	117.5
West North Central	3,713	609	16.4	114.6
South Atlantic	12,519	2,306	18.4	117.5
East South Central	5,823	997	17.1	114.5
West South Central	5,184	938	18.1	117.6
Mountain	2,775	440	15.9	114.7
Pacific	2,200	334	15.2	112.5
Missing	18	1	5.6	97.1
Smoking				
Yes	19,334	3,598	18.6	118.4
No	25,257	3,958	15.7	113.7
Missing	2,589	458	17.7	117.2
Education Level				
≤ 6 years	1,674	464	27.7	129.8
<12 years	4,164	938	22.5	125.1
12 years	12,559	2,341	18.6	118.2
>12 years	13,003	2,071	15.9	114.7
16 years	9,545	1,275	13.4	110.4
>16 years	5,717	815	14.3	111.1
Missing	518	110	21.2	121.0
Health Insurance Status				
Yes	38,806	6,451	16.6	115.0
No	6,565	1,194	18.2	119.9
Missing	1,809	369	20.4	119.7
Doctor Status				
Yes	41,400	7,254	17.5	116.3
No	4,605	540	11.7	110.6
Missing	1,175	220	18.7	118.3
All	47,180	8,014	17.0	115.8

Excludes participants with missing blood sugar levels.

*elevated blood sugar: >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 4
Total eligible KEEP participants with diabetes*

	Total N	Diabetes (N)	Diabetes (%)
Age			
18-30	4,536	450	9.9
31-45	12,432	2,319	18.7
46-60	18,740	5,892	31.4
61-75	13,632	5,819	42.7
>75	4,409	1,799	40.8
Gender			
Male	17,026	5,403	31.7
Female	36,654	10,853	29.6
Missing	69	23	33.3
Race			
White	23,869	7,275	30.5
Black	18,382	5,254	28.6
Other	10,339	3,398	32.9
Unknown/missing	1,159	352	30.4
Ethnicity			
Non-Hispanic	47,180	14,314	30.3
Hispanic	6,569	1,965	29.9
U.S. Census Region			
Northeast	12,487	3,676	29.4
Midwest	8,613	2,662	30.9
South	26,473	8,210	31.0
West	6,156	1,724	28.0
Missing	20	7	35.0
U.S. Census Division			
New England	5,121	1,630	31.8
Middle Atlantic	7,366	2,046	27.8
East North Central	4,542	1,449	31.9
West North Central	4,071	1,213	29.8
South Atlantic	13,675	4,202	30.7
East South Central	6,177	1,844	29.9
West South Central	6,621	2,164	32.7
Mountain	3,659	1,065	29.1
Pacific	2,497	659	26.4
Missing	20	7	35.0
Smoking			
Yes	21,686	7,133	33
No	28,956	8,222	28
Missing	3,107	924	30
Education Level			
≤ 6 years	3,053	1,322	43.3
<12 years	5,204	1,970	37.9
12 years	14,095	4,540	32.2
>12 years	14,284	4,049	28.3
16 years	10,364	2,552	24.6
>16 years	6,107	1,623	26.6
Missing	642	223	34.7
Health Insurance Status			
Yes	42,275	12,965	30.7
No	9,282	2,605	28.1
Missing	2,192	709	32.3
Doctor Status			
Yes	45,635	14,697	32.2
No	6,627	1,139	17.2
Missing	1,487	443	29.8
All	53,749	16,279	30.3

Excludes participants with missing blood sugar levels.

*Diabetes definition: self-reported diabetes, or blood sugar >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 4.1
Total eligible KEEP participants with diabetes*, by race/ethnicity

	White		Black		N Am		Other race	
	Total N	DM	Total N	DM	Total N	DM	Total N	DM
Age								
18-30	1,594	154	1,466	133	384	55	928	90
31-45	4,392	818	4,666	767	817	241	2,190	419
46-60	7,930	2,365	7,030	2,083	989	455	2,435	853
61-75	7,092	2,817	4,242	1,851	701	411	1,379	640
>75	2,861	1,121	978	420	186	96	330	138
Gender								
Male	8,060	2,727	5,247	1,486	794	300	2,549	774
Female	15,786	4,542	13,115	3,762	2,277	954	4,707	1,365
Missing	23	6	20	6	6	4	6	1
U.S. Census Region								
Northeast	6,409	1,859	3,777	1,072	271	92	1,694	561
Midwest	4,195	1,332	2,823	797	456	211	985	273
South	11,057	3,539	11,346	3,305	1,397	590	2,202	627
West	2,199	542	428	78	952	364	2,380	679
Missing	9	3	8	2	1	1	1	0
U.S. Census Division								
New England	2,710	900	1,233	328	129	49	815	286
Middle Atlantic	3,699	959	2,544	744	142	43	879	275
East North Central	2,051	726	1,700	504	56	19	635	173
West North Central	2,144	606	1,123	293	400	192	350	100
South Atlantic	5,828	1,932	6,547	1,905	83	23	1,013	270
East South Central	2,867	898	2,839	843	19	11	327	71
West South Central	2,362	709	1,960	557	1,295	556	862	286
Mountain	1,767	443	174	38	912	354	633	176
Pacific	432	99	254	40	40	10	1,747	503
Missing	9	3	8	2	1	1	1	0
Smoking								
Yes	10,226	3,295	6,953	2,208	1,669	689	2,404	797
No	12,635	3,662	10,114	2,654	1,270	520	4,319	1,204
Missing	1,008	318	1,315	392	138	49	539	139
Education Level								
≤ 6 years	849	373	649	291	167	108	1,161	467
<12 years	1,805	693	1,862	719	438	209	902	287
12 years	6,935	2,284	4,451	1,373	861	330	1,589	469
>12 years	6,411	1,937	5,313	1,362	964	354	1,398	354
16 years	4,814	1,158	3,618	856	403	156	1,412	351
>16 years	2,889	774	2,284	584	203	81	678	171
Missing	166	56	205	69	41	20	122	41
Health Insurance Status								
Yes	20,443	6,238	14,587	4,222	2,094	883	4,513	1,408
No	2,607	777	2,977	767	872	322	2,398	629
Missing	819	260	818	265	111	53	351	103
Doctor Status								
Yes	21,373	6,767	15,800	4,788	2,549	1,121	5,137	1,734
No	1,925	323	2,098	328	447	104	1,845	338
Missing	571	185	484	138	81	33	280	68
All	23,869	7,275	18,382	5,254	3,077	1,258	7,262	2,140

Excludes participants with missing blood sugar levels.

*Diabetes definition: self-reported diabetes, or blood sugar >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 4.1 (continued)

Total eligible KEEP participants with diabetes*, by race/ethnicity

	Hispanic		non-Hispanic		All	
	Total N	DM	Total N	DM	Total N	DM
Age						
18-30	974	101	3,562	349	4,536	450
31-45	2,226	458	10,206	1,861	12,432	2,319
46-60	2,071	785	16,669	5,107	18,740	5,892
61-75	1,079	531	12,553	5,288	13,632	5,819
>75	219	90	4,190	1,709	4,409	1,799
Gender						
Male	2,243	677	14,783	4,726	17,026	5,403
Female	4,311	1,285	32,343	9,568	36,654	10,853
Missing	15	3	54	20	69	23
U.S. Census Region						
Northeast	1,302	429	11,185	3,247	12,487	3,676
Midwest	1,137	312	7,476	2,350	8,613	2,662
South	2,947	876	23,526	7,334	26,473	8,210
West	1,181	347	4,975	1,377	6,156	1,724
Missing	2	1	18	6	20	7
U.S. Census Division						
New England	768	265	4,353	1,365	5,121	1,630
Middle Atlantic	534	164	6,832	1,882	7,366	2,046
East North Central	779	209	3,763	1,240	4,542	1,449
West North Central	358	103	3,713	1,110	4,071	1,213
South Atlantic	1,156	286	12,519	3,916	13,675	4,202
East South Central	354	59	5,823	1,785	6,177	1,844
West South Central	1,437	531	5,184	1,633	6,621	2,164
Mountain	884	272	2,775	793	3,659	1,065
Pacific	297	75	2,200	584	2,497	659
Missing	2	1	18	6	20	7
Smoking						
Yes	2,352	762	19,334	6,371	21,686	7,133
No	3,699	1,072	25,257	7,150	28,956	8,222
Missing	518	131	2,589	793	3,107	924
Education Level						
≤ 6 years	1,379	532	1,674	790	3,053	1,322
<12 years	1,040	336	4,164	1,634	5,204	1,970
12 years	1,536	437	12,559	4,103	14,095	4,540
>12 years	1,281	327	13,003	3,722	14,284	4,049
16 years	819	196	9,545	2,356	10,364	2,552
>16 years	390	93	5,717	1,530	6,107	1,623
Missing	124	44	518	179	642	223
Health Insurance Status						
Yes	3,469	1,163	38,806	11,802	42,275	12,965
No	2,717	704	6,565	1,901	9,282	2,605
Missing	383	98	1,809	611	2,192	709
Doctor Status						
Yes	4,235	1,551	41,400	13,146	45,635	14,697
No	2,022	342	4,605	797	6,627	1,139
Missing	312	72	1,175	371	1,487	443
All	6,569	1,965	47,180	14,314	53,749	16,279

Excludes participants with missing blood sugar levels.

*Diabetes definition: self-reported diabetes, or blood sugar >126 mg/dl fasting or >139 mg/dl non-fasting.

"All" includes participants with missing or unknown values for data fields.

Table 5
Total eligible KEEP participants with self-reported hypertension

	2000+2001	2002	2003	2004	2005	All
Age						
18-30	92	95	162	181	255	785
31-45	462	622	739	925	1,267	4,015
46-60	1,168	1,467	1,895	2,539	3,453	10,522
61-75	1,068	1,442	1,729	2,384	3,403	10,026
>75	310	551	550	812	1,185	3,408
Gender						
Male	1,007	1,359	1,546	2,175	3,184	9,271
Female	2,093	2,818	3,527	4,666	6,340	19,444
Missing	.	.	2	.	39	41
Race						
White	1,162	1,630	2,209	3,092	4,857	12,950
Black	1,403	1,876	1,914	2,465	2,952	10,610
Other	449	590	812	1,245	1,588	4,684
Unknown/missing	86	81	140	39	166	512
Ethnicity						
Non-Hispanic	2,817	3,905	4,635	6,095	8,563	26,015
Hispanic	283	272	440	746	1,000	2,741
U.S. Census Region						
Northeast	648	957	1,102	1,621	2,255	6,583
Midwest	401	662	870	1,291	1,379	4,603
South	1,849	2,169	2,627	3,358	4,643	14,646
West	196	388	476	571	1,284	2,915
Missing	6	1	.	.	2	9
U.S. Census Division						
New England	499	385	416	654	770	2,724
Middle Atlantic	149	572	686	967	1,485	3,859
East North Central	105	338	435	755	793	2,426
West North Central	296	324	435	536	586	2,177
South Atlantic	1,164	1,335	1,097	1,586	2,246	7,428
East South Central	293	258	788	966	1,246	3,551
West South Central	392	576	742	806	1,151	3,667
Mountain	77	161	236	392	810	1,676
Pacific	119	227	240	179	474	1,239
Missing	6	1	.	.	2	9
Smoking						
Yes	1,372	1,874	2,179	2,852	3,891	12,168
No	1,517	2,023	2,608	3,506	5,222	14,876
Missing	211	280	288	483	450	1,712
Education Level						
≤ 6 years	247	256	314	472	640	1,929
<12 years	373	525	550	702	1,062	3,212
12 years	836	1,218	1,410	1,961	2,623	8,048
>12 years	804	1,076	1,375	1,734	2,412	7,401
16 years	466	630	842	1,180	1,650	4,768
>16 years	320	419	537	692	1,056	3,024
Missing	54	53	47	100	120	374
Health Insurance Status						
Yes	2,568	3,452	4,149	5,561	7,688	23,418
No	396	523	740	1,043	1,447	4,149
Missing	136	202	186	237	428	1,189
Doctor Status						
Yes	2,803	3,793	4,590	6,133	8,593	25,912
No	201	264	376	485	767	2,093
Missing	96	120	109	223	203	751
All	3,100	4,177	5,075	6,841	9,563	28,756
N answering question	6,005	7,982	9,814	13,004	17,701	54,506

"All" includes participants with missing or unknown values for data fields.

Table 5.1

Total eligible KEEP participants with self-reported hypertension, by race/ethnicity

	White	Black	N Am	Other race	Hispanic	non-Hispanic	All
Age							
18-30	280	256	77	144	160	625	785
31-45	1,397	1,691	262	577	596	3,419	4,015
46-60	4,185	4,368	545	1,231	1,057	9,465	10,522
61-75	4,941	3,465	482	978	759	9,267	10,026
>75	2,147	830	142	246	169	3,239	3,408
Gender							
Male	4,616	2,874	440	1,170	933	8,338	9,271
Female	8,318	7,722	1,064	2,004	1,804	17,640	19,444
Missing	16	14	4	2	4	37	41
U.S. Census Region							
Northeast	3,390	2,143	118	796	581	6,002	6,583
Midwest	2,311	1,647	226	358	403	4,200	4,603
South	6,100	6,609	788	920	1,271	13,375	14,646
West	1,144	209	375	1,102	485	2,430	2,915
Missing	5	2	1	.	1	8	9
U.S. Census Division							
New England	1,466	688	61	411	348	2,376	2,724
Middle Atlantic	1,924	1,455	57	385	233	3,626	3,859
East North Central	1,160	990	26	211	266	2,160	2,426
West North Central	1,151	657	200	147	137	2,040	2,177
South Atlantic	3,140	3,706	43	434	481	6,947	7,428
East South Central	1,645	1,748	11	94	111	3,440	3,551
West South Central	1,315	1,155	734	392	679	2,988	3,667
Mountain	926	85	360	234	363	1,313	1,676
Pacific	218	124	15	868	122	1,117	1,239
Missing	5	2	1	.	1	8	9
Smoking							
Yes	5,672	4,351	807	1,136	1,018	11,150	12,168
No	6,722	5,436	640	1,819	1,519	13,357	14,876
Missing	556	823	61	221	204	1,508	1,712
Education Level							
≤ 6 years	580	533	108	592	685	1,244	1,929
<12 years	1,150	1,294	265	426	435	2,777	3,212
12 years	4,044	2,721	445	738	637	7,411	8,048
>12 years	3,496	2,889	397	540	470	6,931	7,401
16 years	2,167	1,826	179	546	295	4,473	4,768
>16 years	1,418	1,214	92	273	156	2,868	3,024
Missing	95	133	22	61	63	311	374
Health Insurance Status							
Yes	11,283	8,579	1,069	2,172	1,637	21,781	23,418
No	1,222	1,518	385	868	958	3,191	4,149
Missing	445	513	54	136	146	1,043	1,189
Doctor Status							
Yes	12,001	9,637	1,341	2,529	2,068	23,844	25,912
No	638	698	139	545	553	1,540	2,093
Missing	311	275	28	102	120	631	751
All	12,950	10,610	1,508	3,176	2,741	26,015	28,756

All includes participants with missing or unknown values for data fields.

Table 6

Total eligible KEEP participants with elevated blood pressure*

	Total N	Elevated blood pressure (N)	Elevated blood pressure (%)	Mean blood pressure
Age				
18-30	4,568	932	20.4	90.1
31-45	12,381	4,478	36.2	95.0
46-60	18,688	10,169	54.4	99.1
61-75	13,593	9,300	68.4	99.7
>75	4,393	3,218	73.3	98.4
Gender				
Male	16,945	9,589	56.6	99.2
Female	36,609	18,473	50.5	96.7
Missing	69	35	50.7	95.9
Race				
White	23,954	12,772	53.3	97.1
Black	18,364	10,188	55.5	99.5
Other	10,167	4,605	45.3	95.0
Unknown/missing	1,138	532	46.7	95.1
Ethnicity				
Non-Hispanic	47,114	25,293	53.7	97.9
Hispanic	6,509	2,804	43.1	94.8
U.S. Census Region				
Northeast	12,485	6,110	48.9	96.2
Midwest	8,572	4,687	54.7	98.1
South	26,412	14,389	54.5	98.3
West	6,135	2,903	47.3	95.8
Missing	19	8	42.1	95.5
U.S. Census Division				
New England	5,154	2,492	48.4	95.6
Middle Atlantic	7,331	3,618	49.4	96.6
East North Central	4,521	2,465	54.5	98.4
West North Central	4,051	2,222	54.9	97.7
South Atlantic	13,492	7,281	54.0	98.1
East South Central	6,288	3,470	55.2	98.7
West South Central	6,632	3,638	54.9	98.4
Mountain	3,668	1,698	46.3	95.3
Pacific	2,467	1,205	48.8	96.6
Missing	19	8	42.1	95.5
Smoking				
Yes	21,651	11,682	54.0	97.7
No	28,894	14,783	51.2	97.3
Missing	3,078	1,632	53.0	98.3
Education Level				
≤ 6 years	3,017	1,847	61.2	98.2
<12 years	5,174	3,037	58.7	98.3
12 years	14,062	7,978	56.7	98.5
>12 years	14,289	7,249	50.7	97.4
16 years	10,321	4,747	46.0	96.3
>16 years	6,151	2,899	47.1	96.4
Missing	609	340	55.8	97.8
Health Insurance Status				
Yes	42,250	22,520	53.3	97.5
No	9,217	4,425	48.0	97.4
Missing	2,156	1,152	53.4	97.6
Doctor Status				
Yes	45,594	24,656	54.1	97.7
No	6,583	2,693	40.9	96.4
Missing	1,446	748	51.7	97.5
All	53,623	28,097	52.4	97.5

Excludes participants with missing blood pressure values or self-reported diabetic status. *Elevated BP (JNC 7): DM or CKD, systolic BP \geq 130 mmHg or diastolic BP \geq 80 mmHg; no DM or CKD, systolic BP \geq 140 mmHg or diastolic \geq 90 mmHg. Mean BP = dia BP + (sys BP - dia BP) / 3. "All" includes participants with missing or unknown values for data fields.

Table 6.1

Total eligible KEEP participants with elevated blood pressure*: White

	Total N	Elevated blood pressure (N)	Elevated blood pressure (%)	Mean blood pressure
Age				
18-30	1,634	342	20.9	90.5
31-45	4,413	1,538	34.9	94.6
46-60	7,954	4,046	50.9	97.9
61-75	7,104	4,779	67.3	99.1
>75	2,849	2,067	72.6	97.7
Gender				
Male	8,089	4,697	58.1	98.8
Female	15,843	8,062	50.9	96.3
Missing	22	13	59.1	95.4
U.S. Census Region				
Northeast	6,446	3,165	49.1	95.7
Midwest	4,212	2,477	58.8	98.5
South	11,062	6,012	54.3	97.5
West	2,226	1,112	50.0	96.2
Missing	8	6	75.0	104.2
U.S. Census Division				
New England	2,739	1,355	49.5	95.2
Middle Atlantic	3,707	1,810	48.8	96.1
East North Central	2,050	1,223	59.7	98.6
West North Central	2,162	1,254	58.0	98.4
South Atlantic	5,766	3,124	54.2	97.0
East South Central	2,919	1,590	54.5	97.8
West South Central	2,377	1,298	54.6	98.4
Mountain	1,785	903	50.6	96.3
Pacific	441	209	47.4	95.7
Missing	8	6	75.0	104.2
Smoking				
Yes	10,263	5,490	53.5	97.0
No	12,682	6,730	53.1	97.2
Missing	1,009	552	54.7	97.5
Education Level				
≤ 6 years	848	582	68.6	98.8
<12 years	1,810	1,103	60.9	98.2
12 years	6,943	4,092	58.9	98.4
>12 years	6,445	3,379	52.4	97.0
16 years	4,819	2,146	44.5	95.6
>16 years	2,928	1,381	47.2	95.6
Missing	161	89	55.3	96.1
Health Insurance Status				
Yes	20,528	10,990	53.5	97.0
No	2,610	1,322	50.7	97.8
Missing	816	460	56.4	97.2
Doctor Status				
Yes	21,449	11,608	54.1	97.1
No	1,943	852	43.8	96.9
Missing	562	312	55.5	97.8
All	23,954	12,772	53.3	97.1

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP \geq 130 mmHg or diastolic BP \geq 80 mmHg;
no DM or CKD, systolic BP \geq 140 mmHg or diastolic \geq 90 mmHg.

Mean BP = dia BP + (sys BP - dia BP) / 3.

"All" includes participants with missing or unknown values for data fields.

Table 6.2

Total eligible KEEP participants with elevated blood pressure*: Black

	Total N	Elevated blood pressure (N)	Elevated blood pressure (%)	Mean blood pressure
Age				
18-30	1,480	338	22.8	91.3
31-45	4,663	1,880	40.3	97.0
46-60	7,018	4,163	59.3	101.4
61-75	4,222	3,052	72.3	101.8
>75	981	755	77.0	101.5
Gender				
Male	5,198	3,022	58.1	101.2
Female	13,145	7,153	54.4	98.9
Missing	21	13	61.9	98.9
U.S. Census Region				
Northeast	3,765	1,974	52.4	98.2
Midwest	2,859	1,605	56.1	99.9
South	11,294	6,385	56.5	99.9
West	438	223	50.9	99.1
Missing	8	1	12.5	87.9
U.S. Census Division				
New England	1,252	631	50.4	98.0
Middle Atlantic	2,513	1,343	53.4	98.3
East North Central	1,723	970	56.3	100.3
West North Central	1,136	635	55.9	99.1
South Atlantic	6,460	3,578	55.4	99.6
East South Central	2,900	1,696	58.5	100.2
West South Central	1,934	1,111	57.4	100.6
Mountain	177	86	48.6	97.2
Pacific	261	137	52.5	100.3
Missing	8	1	12.5	87.9
Smoking				
Yes	6,950	4,041	58.1	100.0
No	10,102	5,372	53.2	99.1
Missing	1,312	775	59.1	100.9
Education Level				
≤ 6 years	649	468	72.1	102.7
<12 years	1,856	1,202	64.8	100.9
12 years	4,452	2,614	58.7	100.3
>12 years	5,312	2,831	53.3	99.4
16 years	3,609	1,800	49.9	98.3
>16 years	2,289	1,156	50.5	98.5
Missing	197	117	59.4	100.2
Health Insurance Status				
Yes	14,572	8,102	55.6	99.3
No	2,983	1,616	54.2	100.6
Missing	809	470	58.1	100.1
Doctor Status				
Yes	15,790	8,952	56.7	99.6
No	2,098	968	46.1	99.2
Missing	476	268	56.3	99.7
All	18,364	10,188	55.5	99.5

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP ≥130 mmHg or diastolic BP ≥80 mmHg;
no DM or CKD, systolic BP ≥140 mmHg or diastolic ≥90 mmHg.

Mean BP = dia BP + (sys BP - dia BP) / 3.

"All" includes participants with missing or unknown values for data fields.

Table 6.3

Total eligible KEEP participants with elevated blood pressure*: Native American

	Total N	Elevated blood pressure (N)	Elevated blood pressure (%)	Mean blood pressure
Age				
18-30	374	89	23.8	90.8
31-45	798	302	37.8	93.9
46-60	982	536	54.6	96.9
61-75	692	432	62.4	96.6
>75	185	127	68.6	95.2
Gender				
Male	782	447	57.2	98.1
Female	2,243	1,037	46.2	94.1
Missing	6	2	33.3	97.9
U.S. Census Region				
Northeast	272	130	47.8	95.5
Midwest	411	193	47.0	94.2
South	1,395	767	55.0	96.5
West	952	395	41.5	93.6
Missing	1	1	100.0	100.3
U.S. Census Division				
New England	131	72	55.0	97.5
Middle Atlantic	141	58	41.1	93.6
East North Central	57	22	38.6	94.7
West North Central	354	171	48.3	94.1
South Atlantic	83	52	62.7	100.9
East South Central	18	15	83.3	99.4
West South Central	1,294	700	54.1	96.2
Mountain	911	377	41.4	93.5
Pacific	41	18	43.9	95.4
Missing	1	1	100.0	100.3
Smoking				
Yes	1,630	812	49.8	95.4
No	1,263	609	48.2	94.9
Missing	138	65	47.1	95.2
Education Level				
≤ 6 years	165	103	62.4	94.7
<12 years	427	236	55.3	95.9
12 years	844	429	50.8	95.8
>12 years	954	417	43.7	94.6
16 years	395	186	47.1	95.4
>16 years	204	88	43.1	93.5
Missing	42	27	64.3	98.8
Health Insurance Status				
Yes	2,054	1,024	49.9	95.1
No	865	407	47.1	95.3
Missing	112	55	49.1	95.3
Doctor Status				
Yes	2,511	1,275	50.8	95.3
No	439	166	37.8	94.5
Missing	81	45	55.6	94.4
All	3,031	1,486	49.0	95.2

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP ≥130 mmHg or diastolic BP ≥80 mmHg;
no DM or CKD, systolic BP ≥140 mmHg or diastolic ≥90 mmHg.

Mean BP = dia BP + (sys BP - dia BP) / 3.

"All" includes participants with missing or unknown values for data fields.

Table 6.4

Total eligible KEEP participants with elevated blood pressure*: Other race

	Total N	Elevated blood pressure (N)	Elevated blood pressure (%)	Mean blood pressure
Age				
18-30	917	137	14.9	87.8
31-45	2,153	650	30.2	92.4
46-60	2,376	1,212	51.0	97.5
61-75	1,363	888	65.2	98.6
>75	327	232	70.9	97.9
Gender				
Male	2,505	1,229	49.1	97.2
Female	4,624	1,889	40.9	93.7
Missing	7	1	14.3	85.5
U.S. Census Region				
Northeast	1,668	702	42.1	94.1
Midwest	944	357	37.8	93.3
South	2,195	981	44.7	95.4
West	2,328	1,079	46.3	95.8
Missing	1	0	0.0	92.0
U.S. Census Division				
New England	797	339	42.5	93.2
Middle Atlantic	871	363	41.7	94.9
East North Central	595	214	36.0	93.4
West North Central	349	143	41.0	93.2
South Atlantic	989	419	42.4	94.6
East South Central	327	115	35.2	93.5
West South Central	879	447	50.9	97.0
Mountain	628	255	40.6	94.7
Pacific	1,700	824	48.5	96.2
Missing	1	0	0.0	92.0
Smoking				
Yes	2,380	1,117	46.9	95.6
No	4,247	1,800	42.4	94.6
Missing	509	202	39.7	94.5
Education Level				
≤ 6 years	1,123	574	51.1	96.2
<12 years	884	415	46.9	95.0
12 years	1,568	730	46.6	95.8
>12 years	1,380	537	38.9	94.3
16 years	1,387	562	40.5	94.1
>16 years	678	248	36.6	93.5
Missing	116	53	45.7	96.5
Health Insurance Status				
Yes	4,464	2,077	46.5	95.3
No	2,338	910	38.9	94.3
Missing	334	132	39.5	94.6
Doctor Status				
Yes	5,077	2,417	47.6	95.4
No	1,799	601	33.4	93.6
Missing	260	101	38.8	95.0
All	7,136	3,119	43.7	94.9

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP \geq 130 mmHg or diastolic BP \geq 80 mmHg;
no DM or CKD, systolic BP \geq 140 mmHg or diastolic \geq 90 mmHg.

Mean BP = dia BP + (sys BP - dia BP) / 3.

"All" includes participants with missing or unknown values for data fields.

Table 6.5

Total eligible KEEP participants with elevated blood pressure*: Hispanic

	Total N	Elevated blood pressure (N)	Elevated blood pressure (%)	Mean blood pressure
Age				
18-30	973	146	15.0	87.7
31-45	2,191	651	29.7	92.4
46-60	2,041	1,096	53.7	98.0
61-75	1,081	751	69.5	99.3
>75	223	160	71.7	98.5
Gender				
Male	2,205	1,051	47.7	96.9
Female	4,287	1,748	40.8	93.7
Missing	17	5	29.4	93.0
U.S. Census Region				
Northeast	1,307	513	39.3	93.5
Midwest	1,086	387	35.6	92.8
South	2,942	1,387	47.1	95.9
West	1,172	517	44.1	95.3
Missing	2	0	0.0	88.3
U.S. Census Division				
New England	776	312	40.2	93.3
Middle Atlantic	531	201	37.9	93.9
East North Central	733	265	36.2	93.4
West North Central	353	122	34.6	91.5
South Atlantic	1,123	502	44.7	94.9
East South Central	351	121	34.5	93.3
West South Central	1,468	764	52.0	97.3
Mountain	874	381	43.6	94.8
Pacific	298	136	45.6	96.6
Missing	2	0	0.0	88.3
Smoking				
Yes	2,343	1,052	44.9	94.9
No	3,666	1,565	42.7	94.9
Missing	500	187	37.4	93.9
Education Level				
≤ 6 years	1,350	665	49.3	95.8
<12 years	1,028	453	44.1	94.5
12 years	1,531	677	44.2	95.6
>12 years	1,276	486	38.1	94.3
16 years	815	318	39.0	93.7
>16 years	387	150	38.8	92.7
Missing	122	55	45.1	95.8
Health Insurance Status				
Yes	3,472	1,651	47.6	95.4
No	2,670	1,020	38.2	94.1
Missing	367	133	36.2	94.1
Doctor Status				
Yes	4,236	2,045	48.3	95.5
No	1,982	652	32.9	93.4
Missing	291	107	36.8	94.3
All	6,509	2,804	43.1	94.8

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP ≥130 mmHg or diastolic BP ≥80 mmHg;
no DM or CKD, systolic BP ≥140 mmHg or diastolic ≥90 mmHg.

Mean BP = dia BP + (sys BP - dia BP) / 3.

"All" includes participants with missing or unknown values for data fields.

Table 6.6

Total eligible KEEP participants with elevated blood pressure*: non-Hispanic

	Total N	Elevated blood pressure (N)	Elevated blood pressure (%)	Mean blood pressure
Age				
18-30	3,595	786	21.9	90.8
31-45	10,190	3,827	37.6	95.6
46-60	16,647	9,073	54.5	99.3
61-75	12,512	8,549	68.3	99.8
>75	4,170	3,058	73.3	98.4
Gender				
Male	14,740	8,538	57.9	99.6
Female	32,322	16,725	51.7	97.1
Missing	52	30	57.7	96.8
U.S. Census Region				
Northeast	11,178	5,597	50.1	96.5
Midwest	7,486	4,300	57.4	98.9
South	23,470	13,002	55.4	98.6
West	4,963	2,386	48.1	95.9
Missing	17	8	47.1	96.3
U.S. Census Division				
New England	4,378	2,180	49.8	96.0
Middle Atlantic	6,800	3,417	50.3	96.9
East North Central	3,788	2,200	58.1	99.4
West North Central	3,698	2,100	56.8	98.3
South Atlantic	12,369	6,779	54.8	98.4
East South Central	5,937	3,349	56.4	99.0
West South Central	5,164	2,874	55.7	98.7
Mountain	2,794	1,317	47.1	95.4
Pacific	2,169	1,069	49.3	96.5
Missing	17	8	47.1	96.3
Smoking				
Yes	19,308	10,630	55.1	98.0
No	25,228	13,218	52.4	97.7
Missing	2,578	1,445	56.1	99.1
Education Level				
≤ 6 years	1,667	1,182	70.9	100.2
<12 years	4,146	2,584	62.3	99.2
12 years	12,531	7,301	58.3	98.8
>12 years	13,013	6,763	52.0	97.7
16 years	9,506	4,429	46.6	96.6
>16 years	5,764	2,749	47.7	96.6
Missing	487	285	58.5	98.3
Health Insurance Status				
Yes	38,778	20,869	53.8	97.7
No	6,547	3,405	52.0	98.8
Missing	1,789	1,019	57.0	98.3
Doctor Status				
Yes	41,358	22,611	54.7	97.9
No	4,601	2,041	44.4	97.7
Missing	1,155	641	55.5	98.3
All	47,114	25,293	53.7	97.9

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP ≥130 mmHg or diastolic BP ≥80 mmHg;
no DM or CKD, systolic BP ≥140 mmHg or diastolic ≥90 mmHg.

Mean BP = dia BP + (sys BP - dia BP) / 3.

"All" includes participants with missing or unknown values for data fields.

Table 7

Total eligible KEEP participants with self-reported hypertension or elevated blood pressure*

	Total N	Hypertension (N)	Hypertension (%)
Age			
18-30	4,568	1,362	29.8
31-45	12,381	6,124	49.5
46-60	18,688	13,442	71.9
61-75	13,593	11,832	87.0
>75	4,393	3,979	90.6
Gender			
Male	16,945	12,273	72.4
Female	36,609	24,416	66.7
Missing	69	50	72.5
Race			
White	23,954	16,694	69.7
Black	18,364	13,172	71.7
Other	10,167	6,178	60.8
Unknown/missing	1,138	695	61.1
Ethnicity			
Non-Hispanic	47,114	32,980	70.0
Hispanic	6,509	3,759	57.8
U.S. Census Region			
Northeast	12,485	8,305	66.5
Midwest	8,572	5,953	69.4
South	26,412	18,639	70.6
West	6,135	3,832	62.5
Missing	19	10	52.6
U.S. Census Division			
New England	5,154	3,413	66.2
Middle Atlantic	7,331	4,892	66.7
East North Central	4,521	3,132	69.3
West North Central	4,051	2,821	69.6
South Atlantic	13,492	9,421	69.8
East South Central	6,288	4,498	71.5
West South Central	6,632	4,720	71.2
Mountain	3,668	2,263	61.7
Pacific	2,467	1,569	63.6
Missing	19	10	52.6
Smoking			
Yes	21,651	15,355	70.9
No	28,894	19,222	66.5
Missing	3,078	2,162	70.2
Education Level			
≤ 6 years	3,017	2,340	77.6
<12 years	5,174	3,931	76.0
12 years	14,062	10,245	72.9
>12 years	14,289	9,484	66.4
16 years	10,321	6,340	61.4
>16 years	6,151	3,953	64.3
Missing	609	446	73.2
Health Insurance Status			
Yes	42,250	29,560	70.0
No	9,217	5,664	61.5
Missing	2,156	1,515	70.3
Doctor Status			
Yes	45,594	32,376	71.0
No	6,583	3,383	51.4
Missing	1,446	980	67.8
All	53,623	36,739	68.5

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP \geq 130 mmHg or diastolic BP \geq 80 mmHg;

no DM or CKD, systolic BP \geq 140 mmHg or diastolic \geq 90 mmHg.

"All" includes participants with missing or unknown values for data fields.

Table 7.1

Total eligible KEEP participants with self-reported hypertension or elevated blood pressure*, by race/ethnicity

	White		Black		N Am		Other race	
	Total N	HTN	Total N	HTN	Total N	HTN	Total N	HTN
Age								
18-30	1,634	491	1,480	466	374	123	917	238
31-45	4,413	2,132	4,663	2,511	798	407	2,153	920
46-60	7,954	5,479	7,018	5,399	982	708	2,376	1,595
61-75	7,104	6,042	4,222	3,869	692	583	1,363	1,149
>75	2,849	2,550	981	927	185	165	327	290
Gender								
Male	8,089	6,054	5,198	3,775	782	580	2,505	1,614
Female	15,843	10,622	13,145	9,380	2,243	1,401	4,624	2,577
Missing	22	18	21	17	6	5	7	1
U.S. Census Region								
Northeast	6,446	4,328	3,765	2,637	272	167	1,668	990
Midwest	4,212	3,056	2,859	2,052	411	269	944	499
South	11,062	7,831	11,294	8,202	1,395	1,017	2,195	1,281
West	2,226	1,473	438	279	952	532	2,328	1,422
Missing	8	6	8	2	1	1	1	0
U.S. Census Division								
New England	2,739	1,841	1,252	864	131	89	797	492
Middle Atlantic	3,707	2,487	2,513	1,773	141	78	871	498
East North Central	2,050	1,503	1,723	1,244	57	34	595	301
West North Central	2,162	1,553	1,136	808	354	235	349	198
South Atlantic	5,766	4,035	6,460	4,614	83	65	989	570
East South Central	2,919	2,090	2,900	2,169	18	16	327	152
West South Central	2,377	1,706	1,934	1,419	1,294	936	879	559
Mountain	1,785	1,200	177	113	911	510	628	334
Pacific	441	273	261	166	41	22	1,700	1,088
Missing	8	6	8	2	1	1	1	0
Smoking								
Yes	10,263	7,261	6,950	5,260	1,630	1,070	2,380	1,481
No	12,682	8,708	10,102	6,912	1,263	830	4,247	2,420
Missing	1,009	725	1,312	1,000	138	86	509	291
Education Level								
≤ 6 years	848	718	649	587	165	135	1,123	738
<12 years	1,810	1,444	1,856	1,507	427	321	884	553
12 years	6,943	5,196	4,452	3,361	844	572	1,568	969
>12 years	6,445	4,433	5,312	3,648	954	548	1,380	743
16 years	4,819	2,918	3,609	2,356	395	254	1,387	749
>16 years	2,928	1,872	2,289	1,561	204	123	678	363
Missing	161	113	197	152	42	33	116	77
Health Insurance Status								
Yes	20,528	14,434	14,572	10,534	2,054	1,380	4,464	2,797
No	2,610	1,671	2,983	2,022	865	531	2,338	1,210
Missing	816	589	809	616	112	75	334	185
Doctor Status								
Yes	21,449	15,241	15,790	11,658	2,511	1,717	5,077	3,239
No	1,943	1,055	2,098	1,161	439	219	1,799	812
Missing	562	398	476	353	81	50	260	141
All	23,954	16,694	18,364	13,172	3,031	1,986	7,136	4,192

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP \geq 130 mmHg or diastolic BP \geq 80 mmHg;

no DM or CKD, systolic BP \geq 140 mmHg or diastolic \geq 90 mmHg.

"All" includes participants with missing or unknown values for data fields.

Table 7.1 (continued)

Total eligible KEEP participants with self-reported hypertension or elevated blood pressure*, by race/ethnicity

	Hispanic		non-Hispanic		All	
	Total N	HTN	Total N	HTN	Total N	HTN
Age						
18-30	973	258	3,595	1,104	4,568	1,362
31-45	2,191	947	10,190	5,177	12,381	6,124
46-60	2,041	1,408	16,647	12,034	18,688	13,442
61-75	1,081	942	12,512	10,890	13,593	11,832
>75	223	204	4,170	3,775	4,393	3,979
Gender						
Male	2,205	1,364	14,740	10,909	16,945	12,273
Female	4,287	2,388	32,322	22,028	36,609	24,416
Missing	17	7	52	43	69	50
U.S. Census Region						
Northeast	1,307	752	11,178	7,553	12,485	8,305
Midwest	1,086	549	7,486	5,404	8,572	5,953
South	2,942	1,784	23,470	16,855	26,412	18,639
West	1,172	673	4,963	3,159	6,135	3,832
Missing	2	1	17	9	19	10
U.S. Census Division						
New England	776	453	4,378	2,960	5,154	3,413
Middle Atlantic	531	299	6,800	4,593	7,331	4,892
East North Central	733	368	3,788	2,764	4,521	3,132
West North Central	353	181	3,698	2,640	4,051	2,821
South Atlantic	1,123	659	12,369	8,762	13,492	9,421
East South Central	351	165	5,937	4,333	6,288	4,498
West South Central	1,468	960	5,164	3,760	6,632	4,720
Mountain	874	506	2,794	1,757	3,668	2,263
Pacific	298	167	2,169	1,402	2,467	1,569
Missing	2	1	17	9	19	10
Smoking						
Yes	2,343	1,400	19,308	13,955	21,651	15,355
No	3,666	2,079	25,228	17,143	28,894	19,222
Missing	500	280	2,578	1,882	3,078	2,162
Education Level						
≤ 6 years	1,350	889	1,667	1,451	3,017	2,340
<12 years	1,028	598	4,146	3,333	5,174	3,931
12 years	1,531	885	12,531	9,360	14,062	10,245
>12 years	1,276	667	13,013	8,817	14,289	9,484
16 years	815	423	9,506	5,917	10,321	6,340
>16 years	387	218	5,764	3,735	6,151	3,953
Missing	122	79	487	367	609	446
Health Insurance Status						
Yes	3,472	2,189	38,778	27,371	42,250	29,560
No	2,670	1,372	6,547	4,292	9,217	5,664
Missing	367	198	1,789	1,317	2,156	1,515
Doctor Status						
Yes	4,236	2,725	41,358	29,651	45,594	32,376
No	1,982	875	4,601	2,508	6,583	3,383
Missing	291	159	1,155	821	1,446	980
All	6,509	3,759	47,114	32,980	53,623	36,739

Excludes participants with missing blood pressure values or self-reported diabetic status.

*Elevated BP (JNC 7): DM or CKD, systolic BP \geq 130 mmHg or diastolic BP \geq 80 mmHg;†no DM or CKD, systolic BP \geq 140 mmHg or diastolic \geq 90 mmHg.

"All" includes participants with missing or unknown values for data fields.

Table 8

Total eligible KEEP participants with chronic kidney disease, by CKD stage

	Non-CKD	Stage 1 & Abnormal ACR	Stage 2 & Abnormal ACR	Stage 3	Stages 4-5	Missing	All
Age							
18-30	3,239	208	96	110	6	1,031	4,690
31-45	8,535	393	403	787	21	2,642	12,781
46-60	11,913	533	718	2,405	101	3,593	19,263
61-75	6,951	212	670	3,792	228	2,123	13,976
>75	1,679	37	280	1,836	158	520	4,510
Gender							
Male	10,335	400	736	2,526	199	3,272	17,468
Female	21,982	983	1,431	6,404	315	6,560	37,675
Missing	.	.	.	.	.	77	77
Race							
White	14,184	366	917	5,243	263	3,512	24,485
Black	10,898	611	740	2,145	134	4,447	18,975
Other	6,618	370	468	1,338	105	1,652	10,551
Unknown/missing	617	36	42	204	12	298	1,209
Ethnicity							
Non-Hispanic	28,013	1,180	1,911	8,144	477	8,752	48,477
Hispanic	4,304	203	256	786	37	1,157	6,743
U.S. Census Region							
Northeast	7,651	318	516	2,166	119	2,073	12,843
Midwest	5,429	250	371	1,400	96	1,262	8,808
South	15,524	644	1,031	4,325	237	5,478	27,239
West	3,707	171	249	1,034	62	1,087	6,310
Missing	6	.	.	5	.	9	20
U.S. Census Division							
New England	2,732	89	192	1,049	42	1,205	5,309
Middle Atlantic	4,919	229	324	1,117	77	868	7,534
East North Central	3,114	152	224	704	54	395	4,643
West North Central	2,315	98	147	696	42	867	4,165
South Atlantic	7,497	288	488	2,395	113	3,298	14,079
East South Central	4,109	160	258	912	50	902	6,391
West South Central	3,918	196	285	1,018	74	1,278	6,769
Mountain	2,271	109	140	692	22	520	3,754
Pacific	1,436	62	109	342	40	567	2,556
Missing	6	.	.	5	.	9	20
Smoking							
Yes	12,744	606	951	3,735	242	3,989	22,267
No	17,728	687	1,096	4,714	236	5,258	29,719
Missing	1,845	90	120	481	36	662	3,234
Education Level							
≤ 6 years	1,656	94	157	653	57	508	3,125
<12 years	2,826	162	270	1,024	71	988	5,341
12 years	8,168	395	584	2,576	172	2,560	14,455
>12 years	8,792	376	554	2,163	108	2,690	14,683
16 years	6,725	232	352	1,398	52	1,897	10,656
>16 years	3,810	108	211	983	48	1,125	6,285
Missing	340	16	39	133	6	141	675
Health Insurance Status							
Yes	25,017	933	1,672	7,526	440	7,835	43,423
No	5,996	381	396	1,012	48	1,676	9,509
Missing	1,304	69	99	392	26	398	2,288
Doctor Status							
Yes	26,951	1,129	1,871	8,100	472	8,346	46,869
No	4,481	208	242	595	24	1,254	6,804
Missing	885	46	54	235	18	309	1,547
All	32,317	1,383	2,167	8,930	514	9,909	55,220

"All" includes participants with missing or unknown values for data fields.

Table 8.1

Total eligible KEEP participants with chronic kidney disease, by CKD stage: White

	Non-CKD	Stage 1 & Abnormal ACR	Stage 2 & Abnormal ACR	Stage 3	Stages 4-5	Missing	All
Age							
18-30	1,171	56	36	55	1	345	1,664
31-45	3,078	91	139	413	11	770	4,502
46-60	5,229	142	257	1,228	25	1,267	8,148
61-75	3,608	59	327	2,271	110	873	7,248
>75	1,098	18	158	1,276	116	257	2,923
Gender							
Male	5,005	121	321	1,506	104	1,187	8,244
Female	9,179	245	596	3,737	159	2,300	16,216
Missing	.	.	.	.	.	25	25
U.S. Census Region							
Northeast	3,873	112	270	1,409	73	848	6,585
Midwest	2,652	86	174	893	58	414	4,277
South	6,397	153	426	2,364	115	1,871	11,326
West	1,259	15	47	574	17	376	2,288
Missing	3	.	.	3	.	3	9
U.S. Census Division							
New England	1,429	31	101	691	26	521	2,799
Middle Atlantic	2,444	81	169	718	47	327	3,786
East North Central	1,351	49	96	454	30	108	2,088
West North Central	1,301	37	78	439	28	306	2,189
South Atlantic	3,147	72	231	1,363	57	1,091	5,961
East South Central	1,907	41	109	536	29	338	2,960
West South Central	1,343	40	86	465	29	442	2,405
Mountain	999	11	40	500	13	272	1,835
Pacific	260	4	7	74	4	104	453
Missing	3	.	.	3	.	3	9
Smoking							
Yes	6,050	172	421	2,229	120	1,487	10,479
No	7,554	176	457	2,777	128	1,874	12,966
Missing	580	18	39	237	15	151	1,040
Education Level							
≤ 6 years	391	15	46	268	20	120	860
<12 years	916	23	94	499	35	273	1,840
12 years	3,961	116	278	1,655	96	991	7,097
>12 years	3,881	101	238	1,322	63	984	6,589
16 years	3,132	71	162	849	26	709	4,949
>16 years	1,813	36	92	604	21	411	2,977
Missing	90	4	7	46	2	24	173
Health Insurance Status							
Yes	12,090	268	762	4,644	241	2,956	20,961
No	1,625	80	115	393	15	447	2,675
Missing	469	18	40	206	7	109	849
Doctor Status							
Yes	12,597	312	827	4,845	244	3,090	21,915
No	1,270	42	63	262	10	334	1,981
Missing	317	12	27	136	9	88	589
All	14,184	366	917	5,243	263	3,512	24,485

"All" includes participants with missing or unknown values for data fields.

Table 8.2

Total eligible KEEP participants with chronic kidney disease, by CKD stage: Black

	Non-CKD	Stage 1 & Abnormal ACR	Stage 2 & Abnormal ACR	Stage 3	Stages 4-5	Missing	All
Age							
18-30	984	84	32	12	4	398	1,514
31-45	3,044	174	159	175	7	1,268	4,827
46-60	4,310	229	286	719	41	1,673	7,258
61-75	2,189	112	202	899	59	912	4,373
>75	371	12	61	340	23	196	1,003
Gender							
Male	2,959	159	249	535	46	1,473	5,421
Female	7,939	452	491	1,610	88	2,952	13,532
Missing	.	.	.	.	.	22	22
U.S. Census Region							
Northeast	2,372	143	155	398	25	802	3,895
Midwest	1,598	93	135	349	22	703	2,900
South	6,720	366	434	1,360	83	2,762	11,725
West	205	9	16	38	4	175	447
Missing	3	.	.	.	.	5	8
U.S. Census Division							
New England	730	35	56	134	8	323	1,286
Middle Atlantic	1,642	108	99	264	17	479	2,609
East North Central	1,106	70	100	200	17	249	1,742
West North Central	492	23	35	149	5	454	1,158
South Atlantic	3,556	186	205	801	51	1,989	6,788
East South Central	1,866	102	132	340	20	483	2,943
West South Central	1,298	78	97	219	12	290	1,994
Mountain	82	2	8	21	1	66	180
Pacific	123	7	8	17	3	109	267
Missing	3	.	.	.	.	5	8
Smoking							
Yes	4,004	254	319	870	59	1,675	7,181
No	6,146	313	361	1,123	63	2,409	10,415
Missing	748	44	60	152	12	363	1,379
Education Level							
≤ 6 years	304	24	40	146	11	145	670
<12 years	1,000	57	97	306	19	445	1,924
12 years	2,541	186	173	535	43	1,112	4,590
>12 years	3,271	184	218	536	27	1,257	5,493
16 years	2,296	103	116	326	17	876	3,734
>16 years	1,377	54	80	264	17	558	2,350
Missing	109	3	16	32	.	54	214
Health Insurance Status							
Yes	8,605	446	585	1,768	107	3,542	15,053
No	1,814	135	121	270	16	712	3,068
Missing	479	30	34	107	11	193	854
Doctor Status							
Yes	9,291	516	638	1,986	124	3,743	16,298
No	1,325	77	89	108	7	563	2,169
Missing	282	18	13	51	3	141	508
All	10,898	611	740	2,145	134	4,447	18,975

"All" includes participants with missing or unknown values for data fields.

Table 8.3

Total eligible KEEP participants with chronic kidney disease, by CKD stage: Native American

	Non-CKD	Stage 1 & Abnormal ACR	Stage 2 & Abnormal ACR	Stage 3	Stages 4-5	Missing	All
Age							
18-30	271	34	10	14	.	56	385
31-45	581	44	34	34	1	136	830
46-60	594	58	44	118	12	181	1,007
61-75	335	17	51	180	17	113	713
>75	53	4	22	77	11	24	191
Gender							
Male	468	38	64	99	13	121	803
Female	1,366	119	97	324	28	383	2,317
Missing	.	.	.	.	.	6	6
U.S. Census Region							
Northeast	134	10	12	69	5	46	276
Midwest	285	25	15	73	5	60	463
South	723	47	73	207	27	346	1,423
West	692	75	61	73	4	58	963
Missing	.	.	.	1	.	.	1
U.S. Census Division							
New England	45	4	1	47	2	32	131
Middle Atlantic	89	6	11	22	3	14	145
East North Central	42	2	4	8	.	1	57
West North Central	243	23	11	65	5	59	406
South Atlantic	48	.	2	22	1	12	85
East South Central	15	.	1	3	.	.	19
West South Central	660	47	70	182	26	334	1,319
Mountain	674	73	59	60	4	50	920
Pacific	18	2	2	13	.	8	43
Missing	.	.	.	1	.	.	1
Smoking							
Yes	945	82	85	236	24	324	1,696
No	809	70	74	163	16	157	1,289
Missing	80	5	2	24	1	29	141
Education Level							
≤ 6 years	69	10	15	45	5	24	168
<12 years	238	39	31	70	5	67	450
12 years	499	43	48	120	15	151	876
>12 years	619	44	40	114	9	152	978
16 years	267	13	16	36	1	73	406
>16 years	122	4	8	30	4	37	205
Missing	20	4	3	8	2	6	43
Health Insurance Status							
Yes	1,212	91	100	324	34	363	2,124
No	562	63	52	79	6	126	888
Missing	60	3	9	20	1	21	114
Doctor Status							
Yes	1,472	131	140	379	39	429	2,590
No	321	23	18	32	2	59	455
Missing	41	3	3	12	.	22	81
All	1,834	157	161	423	41	510	3,126

"All" includes participants with missing or unknown values for data fields.

Table 8.4

Total eligible KEEP participants with chronic kidney disease, by CKD stage: Other race

	Non-CKD	Stage 1 & Abnormal ACR	Stage 2 & Abnormal ACR	Stage 3	Stages 4-5	Missing	All
Age							
18-30	717	26	15	20	1	180	959
31-45	1,584	73	63	132	2	389	2,243
46-60	1,601	88	116	287	19	363	2,474
61-75	742	23	80	356	35	177	1,413
>75	140	3	33	120	7	33	336
Gender							
Male	1,698	68	90	324	29	399	2,608
Female	3,086	145	217	591	35	735	4,809
Missing	.	.	.	.	.	8	8
U.S. Census Region							
Northeast	1,084	46	69	246	15	277	1,737
Midwest	784	43	39	68	9	67	1,010
South	1,454	63	81	293	6	371	2,268
West	1,462	61	118	308	34	426	2,409
Missing	.	.	.	.	.	1	1
U.S. Census Division							
New England	411	13	28	146	6	243	847
Middle Atlantic	673	33	41	100	9	34	890
East North Central	535	29	19	34	6	30	653
West North Central	249	14	20	34	3	37	357
South Atlantic	658	28	47	149	1	151	1,034
East South Central	246	10	9	19	1	54	339
West South Central	550	25	25	125	4	166	895
Mountain	436	15	27	72	4	90	644
Pacific	1,026	46	91	236	30	336	1,765
Missing	.	.	.	.	.	1	1
Smoking							
Yes	1,522	79	110	319	34	394	2,458
No	2,878	113	183	541	25	670	4,410
Missing	384	21	14	55	5	78	557
Education Level							
≤ 6 years	766	37	50	154	18	165	1,190
<12 years	563	36	41	125	10	147	922
12 years	1,025	42	73	227	16	242	1,625
>12 years	920	41	50	154	7	248	1,420
16 years	967	41	55	165	7	211	1,446
>16 years	469	13	28	72	5	110	697
Missing	74	3	10	18	1	19	125
Health Insurance Status							
Yes	2,796	117	204	650	52	799	4,618
No	1,747	81	94	225	6	286	2,439
Missing	241	15	9	40	6	57	368
Doctor Status							
Yes	3,210	144	240	729	57	873	5,253
No	1,375	57	59	159	3	228	1,881
Missing	199	12	8	27	4	41	291
All	4,784	213	307	915	64	1,142	7,425

"All" includes participants with missing or unknown values for data fields.

Table 8.5

Total eligible KEEP participants with chronic kidney disease, by CKD stage: Hispanic

	Non-CKD	Stage 1 & Abnormal ACR	Stage 2 & Abnormal ACR	Stage 3	Stages 4-5	Missing	All
Age							
18-30	717	32	14	20	1	222	1,006
31-45	1,626	64	68	152	1	374	2,285
46-60	1,310	88	89	254	16	363	2,120
61-75	569	16	68	271	14	168	1,106
>75	82	3	17	89	5	30	226
Gender							
Male	1,501	70	73	256	19	384	2,303
Female	2,803	133	183	530	18	756	4,423
Missing	.	.	.	.	.	17	17
U.S. Census Region							
Northeast	803	42	48	143	7	298	1,341
Midwest	944	39	41	61	7	71	1,163
South	1,817	87	121	433	15	560	3,033
West	740	35	46	148	8	227	1,204
Missing	.	.	.	1	.	1	2
U.S. Census Division							
New England	392	15	26	96	4	266	799
Middle Atlantic	411	27	22	47	3	32	542
East North Central	667	30	26	39	5	32	799
West North Central	277	9	15	22	2	39	364
South Atlantic	679	28	52	204	4	207	1,174
East South Central	239	13	13	29	.	70	364
West South Central	899	46	56	200	11	283	1,495
Mountain	565	24	32	121	3	150	895
Pacific	175	11	14	27	5	77	309
Missing	.	.	.	1	.	1	2
Smoking							
Yes	1,494	81	90	277	19	453	2,414
No	2,456	107	145	459	14	609	3,790
Missing	354	15	21	50	4	95	539
Education Level							
≤ 6 years	896	47	58	172	15	222	1,410
<12 years	659	37	35	115	7	214	1,067
12 years	997	41	62	204	9	275	1,588
>12 years	861	39	52	136	3	213	1,304
16 years	559	29	24	96	1	133	842
>16 years	257	7	17	50	1	70	402
Missing	75	3	8	13	1	30	130
Health Insurance Status							
Yes	2,126	87	140	502	24	687	3,566
No	1,908	99	103	246	10	408	2,774
Missing	270	17	13	38	3	62	403
Doctor Status							
Yes	2,614	132	189	587	28	800	4,350
No	1,472	60	59	168	5	306	2,070
Missing	218	11	8	31	4	51	323
All	4,304	203	256	786	37	1,157	6,743

"All" includes participants with missing or unknown values for data fields.

Table 8.6

Total eligible KEEP participants with chronic kidney disease, by CKD stage: non-Hispanic

	Non-CKD	Stage 1 & Abnormal ACR	Stage 2 & Abnormal ACR	Stage 3	Stages 4-5	Missing	All
Age							
18-30	2,522	176	82	90	5	809	3,684
31-45	6,909	329	335	635	20	2,268	10,496
46-60	10,603	445	629	2,151	85	3,230	17,143
61-75	6,382	196	602	3,521	214	1,955	12,870
>75	1,597	34	263	1,747	153	490	4,284
Gender							
Male	8,834	330	663	2,270	180	2,888	15,165
Female	19,179	850	1,248	5,874	297	5,804	33,252
Missing	.	.	.	.	.	60	60
U.S. Census Region							
Northeast	6,848	276	468	2,023	112	1,775	11,502
Midwest	4,485	211	330	1,339	89	1,191	7,645
South	13,707	557	910	3,892	222	4,918	24,206
West	2,967	136	203	886	54	860	5,106
Missing	6	.	.	4	.	8	18
U.S. Census Division							
New England	2,340	74	166	953	38	939	4,510
Middle Atlantic	4,508	202	302	1,070	74	836	6,992
East North Central	2,447	122	198	665	49	363	3,844
West North Central	2,038	89	132	674	40	828	3,801
South Atlantic	6,818	260	436	2,191	109	3,091	12,905
East South Central	3,870	147	245	883	50	832	6,027
West South Central	3,019	150	229	818	63	995	5,274
Mountain	1,706	85	108	571	19	370	2,859
Pacific	1,261	51	95	315	35	490	2,247
Missing	6	.	.	4	.	8	18
Smoking							
Yes	11,250	525	861	3,458	223	3,536	19,853
No	15,272	580	951	4,255	222	4,649	25,929
Missing	1,491	75	99	431	32	567	2,695
Education Level							
≤ 6 years	760	47	99	481	42	286	1,715
<12 years	2,167	125	235	909	64	774	4,274
12 years	7,171	354	522	2,372	163	2,285	12,867
>12 years	7,931	337	502	2,027	105	2,477	13,379
16 years	6,166	203	328	1,302	51	1,764	9,814
>16 years	3,553	101	194	933	47	1,055	5,883
Missing	265	13	31	120	5	111	545
Health Insurance Status							
Yes	22,891	846	1,532	7,024	416	7,148	39,857
No	4,088	282	293	766	38	1,268	6,735
Missing	1,034	52	86	354	23	336	1,885
Doctor Status							
Yes	24,337	997	1,682	7,513	444	7,546	42,519
No	3,009	148	183	427	19	948	4,734
Missing	667	35	46	204	14	258	1,224
All	28,013	1,180	1,911	8,144	477	8,752	48,477

"All" includes participants with missing or unknown values for data fields.

Table 9
Total eligible KEEP participants, by BMI (kg/m²)

	BMI <18.5 Underweight	BMI 18.5-24.9 Normal	BMI 25-29.9 Overweight	BMI 30-39.9 Obese	BMI ≥40 Extremely obese	Missing	All
Age							
18-30	87	1,603	1,304	1,253	382	61	4,690
31-45	106	2,723	3,795	4,504	1,444	209	12,781
46-60	95	3,432	6,055	7,386	2,030	265	19,263
61-75	99	2,637	5,000	5,230	845	165	13,976
>75	62	1,440	1,764	1,104	86	54	4,510
Gender							
Male	82	3,387	6,956	5,969	855	219	17,468
Female	367	8,428	10,931	13,492	3,929	528	37,675
Missing	.	20	31	16	3	7	77
Race							
White	226	6,008	8,151	8,071	1,769	260	24,485
Black	94	2,981	5,862	7,572	2,227	239	18,975
Other	123	2,606	3,448	3,432	722	220	10,551
Unknown/missing	6	240	457	402	69	35	1,209
Ethnicity							
Non-Hispanic	388	10,463	15,494	17,186	4,377	569	48,477
Hispanic	61	1,372	2,424	2,291	410	185	6,743
U.S. Census Region							
Northeast	106	3,013	4,256	4,351	914	203	12,843
Midwest	67	1,672	2,812	3,256	898	103	8,808
South	191	5,443	8,821	9,917	2,536	331	27,239
West	85	1,700	2,021	1,949	438	117	6,310
Missing	.	7	8	4	1	.	20
U.S. Census Division							
New England	39	1,308	1,796	1,737	330	99	5,309
Middle Atlantic	67	1,705	2,460	2,614	584	104	7,534
East North Central	41	895	1,450	1,686	500	71	4,643
West North Central	26	777	1,362	1,570	398	32	4,165
South Atlantic	104	2,883	4,594	5,078	1,244	176	14,079
East South Central	38	1,349	2,032	2,277	624	71	6,391
West South Central	49	1,211	2,195	2,562	668	84	6,769
Mountain	43	882	1,227	1,263	243	96	3,754
Pacific	42	818	794	686	195	21	2,556
Missing	.	7	8	4	1	.	20
Smoking							
Yes	170	4,457	7,312	8,148	1,902	278	22,267
No	245	6,660	9,521	10,226	2,651	416	29,719
Missing	34	718	1,085	1,103	234	60	3,234
Education Level							
≤ 6 years	18	590	1,124	1,099	191	103	3,125
<12 years	52	1,030	1,666	2,027	484	82	5,341
12 years	118	2,875	4,625	5,375	1,289	173	14,455
>12 years	112	2,971	4,534	5,367	1,531	168	14,683
16 years	92	2,721	3,562	3,314	846	121	10,656
>16 years	51	1,505	2,186	2,054	409	80	6,285
Missing	6	143	221	241	37	27	675
Health Insurance Status							
Yes	336	9,280	14,181	15,451	3,675	500	43,423
No	88	2,088	2,960	3,249	928	196	9,509
Missing	25	467	777	777	184	58	2,288
Doctor Status							
Yes	363	9,743	15,155	16,821	4,200	587	46,869
No	65	1,770	2,261	2,111	473	124	6,804
Missing	21	322	502	545	114	43	1,547
All	449	11,835	17,918	19,477	4,787	754	55,220

"All" includes participants with missing or unknown values for data fields.

Table 9.1

Total eligible KEEP participants, by BMI (kg/m²): White

	BMI <25	BMI 25-<30	BMI ≥30	Missing	All
Age					
18-30	732	425	490	17	1,664
31-45	1,196	1,323	1,920	63	4,502
46-60	1,733	2,605	3,720	90	8,148
61-75	1,526	2,642	3,018	62	7,248
>75	1,047	1,156	692	28	2,923
Gender					
Male	1,605	3,375	3,187	77	8,244
Female	4,620	4,767	6,648	181	16,216
Missing	9	9	5	2	25
U.S. Census Region					
Northeast	1,731	2,207	2,558	89	6,585
Midwest	980	1,378	1,892	27	4,277
South	2,839	3,760	4,620	107	11,326
West	680	803	768	37	2,288
Missing	4	3	2	.	9
U.S. Census Division					
New England	747	953	1,055	44	2,799
Middle Atlantic	984	1,254	1,503	45	3,786
East North Central	487	669	916	16	2,088
West North Central	493	709	976	11	2,189
South Atlantic	1,523	2,009	2,369	60	5,961
East South Central	776	938	1,217	29	2,960
West South Central	540	813	1,034	18	2,405
Mountain	543	645	611	36	1,835
Pacific	137	158	157	1	453
Missing	4	3	2	.	9
Smoking					
Yes	2,509	3,534	4,333	103	10,479
No	3,414	4,278	5,128	146	12,966
Missing	311	339	379	11	1,040
Education Level					
≤ 6 years	155	293	385	27	860
<12 years	415	577	832	16	1,840
12 years	1,632	2,356	3,048	61	7,097
>12 years	1,606	2,112	2,804	67	6,589
16 years	1,503	1,691	1,702	53	4,949
>16 years	873	1,067	1,004	33	2,977
Missing	50	55	65	3	173
Health Insurance Status					
Yes	5,342	7,096	8,319	204	20,961
No	653	788	1,195	39	2,675
Missing	239	267	326	17	849
Doctor Status					
Yes	5,489	7,338	8,868	220	21,915
No	580	633	740	28	1,981
Missing	165	180	232	12	589
All	6,234	8,151	9,840	260	24,485

"All" includes participants with missing or unknown values for data fields.

Table 9.2

Total eligible KEEP participants, by BMI (kg/m²): Black

	BMI <25	BMI 25-<30	BMI ≥30	Missing	All
Age					
18-30	457	416	623	18	1,514
31-45	808	1,352	2,599	68	4,827
46-60	965	2,191	4,015	87	7,258
61-75	610	1,514	2,193	56	4,373
>75	235	389	369	10	1,003
Gender					
Male	968	2,046	2,341	66	5,421
Female	2,104	3,803	7,454	171	13,532
Missing	3	13	4	2	22
U.S. Census Region					
Northeast	682	1,242	1,913	58	3,895
Midwest	437	872	1,557	34	2,900
South	1,879	3,602	6,103	141	11,725
West	75	142	224	6	447
Missing	2	4	2	.	8
U.S. Census Division					
New England	251	425	584	26	1,286
Middle Atlantic	431	817	1,329	32	2,609
East North Central	266	508	946	22	1,742
West North Central	171	364	611	12	1,158
South Atlantic	1,087	2,073	3,534	94	6,788
East South Central	450	908	1,559	26	2,943
West South Central	342	621	1,010	21	1,994
Mountain	33	52	92	3	180
Pacific	42	90	132	3	267
Missing	2	4	2	.	8
Smoking					
Yes	1,177	2,255	3,667	82	7,181
No	1,666	3,161	5,456	132	10,415
Missing	232	446	676	25	1,379
Education Level					
≤ 6 years	125	222	308	15	670
<12 years	317	555	1,020	32	1,924
12 years	720	1,378	2,441	51	4,590
>12 years	891	1,621	2,917	64	5,493
16 years	626	1,230	1,836	42	3,734
>16 years	363	780	1,177	30	2,350
Missing	33	76	100	5	214
Health Insurance Status					
Yes	2,367	4,678	7,828	180	15,053
No	588	880	1,560	40	3,068
Missing	120	304	411	19	854
Doctor Status					
Yes	2,500	5,033	8,565	200	16,298
No	500	668	974	27	2,169
Missing	75	161	260	12	508
All	3,075	5,862	9,799	239	18,975

"All" includes participants with missing or unknown values for data fields.

Table 9.3

Total eligible KEEP participants, by BMI (kg/m²): Native American

	BMI <25	BMI 25-<30	BMI ≥30	Missing	All
Age					
18-30	78	100	203	4	385
31-45	106	219	491	14	830
46-60	119	234	631	23	1,007
61-75	99	235	366	13	713
>75	52	79	56	4	191
Gender					
Male	121	257	415	10	803
Female	333	610	1,328	46	2,317
Missing	.	.	4	2	6
U.S. Census Region					
Northeast	44	84	143	5	276
Midwest	55	118	285	5	463
South	195	424	786	18	1,423
West	160	241	532	30	963
Missing	.	.	1	.	1
U.S. Census Division					
New England	19	46	66	.	131
Middle Atlantic	25	38	77	5	145
East North Central	13	12	32	.	57
West North Central	42	106	253	5	406
South Atlantic	13	22	50	.	85
East South Central	5	4	9	1	19
West South Central	177	398	727	17	1,319
Mountain	152	230	508	30	920
Pacific	8	11	24	.	43
Missing	.	.	1	.	1
Smoking					
Yes	227	460	981	28	1,696
No	201	354	704	30	1,289
Missing	26	53	62	.	141
Education Level					
≤ 6 years	27	57	79	5	168
<12 years	63	125	254	8	450
12 years	129	246	485	16	876
>12 years	135	256	573	14	978
16 years	61	106	231	8	406
>16 years	34	65	103	3	205
Missing	5	12	22	4	43
Health Insurance Status					
Yes	290	588	1,213	33	2,124
No	143	241	480	24	888
Missing	21	38	54	1	114
Doctor Status					
Yes	361	699	1,478	52	2,590
No	79	138	233	5	455
Missing	14	30	36	1	81
All	454	867	1,747	58	3,126

"All" includes participants with missing or unknown values for data fields.

Table 9.4

Total eligible KEEP participants, by BMI (kg/m²): Other race

	BMI <25	BMI 25-<30	BMI ≥30	Missing	All
Age					
18-30	374	302	265	18	959
31-45	640	758	794	51	2,243
46-60	658	882	875	59	2,474
61-75	454	524	412	23	1,413
>75	149	115	61	11	336
Gender					
Male	697	1,096	762	53	2,608
Female	1,575	1,481	1,645	108	4,809
Missing	3	4	.	1	8
U.S. Census Region					
Northeast	584	592	518	43	1,737
Midwest	236	383	357	34	1,010
South	619	841	761	47	2,268
West	835	765	771	38	2,409
Missing	1	.	.	.	1
U.S. Census Division					
New England	273	290	262	22	847
Middle Atlantic	311	302	256	21	890
East North Central	147	223	253	30	653
West North Central	89	160	104	4	357
South Atlantic	318	413	290	13	1,034
East South Central	119	129	79	12	339
West South Central	182	299	392	22	895
Mountain	167	238	218	21	644
Pacific	668	527	553	17	1,765
Missing	1	.	.	.	1
Smoking					
Yes	630	881	896	51	2,458
No	1,485	1,499	1,334	92	4,410
Missing	160	201	177	19	557
Education Level					
≤ 6 years	268	459	416	47	1,190
<12 years	251	325	323	23	922
12 years	452	551	582	40	1,625
>12 years	407	469	528	16	1,420
16 years	588	489	353	16	1,446
>16 years	276	247	162	12	697
Missing	33	41	43	8	125
Health Insurance Status					
Yes	1,492	1,559	1,498	69	4,618
No	692	893	778	76	2,439
Missing	91	129	131	17	368
Doctor Status					
Yes	1,610	1,777	1,768	98	5,253
No	595	696	539	51	1,881
Missing	70	108	100	13	291
All	2,275	2,581	2,407	162	7,425

All includes participants with missing or unknown values for data fields.

Table 9.5

Total eligible KEEP participants, by BMI (kg/m²): Hispanic

	BMI <25	BMI 25-<30	BMI ≥30	Missing	All
Age					
18-30	341	344	301	20	1,006
31-45	501	784	937	63	2,285
46-60	323	788	946	63	2,120
61-75	197	424	454	31	1,106
>75	71	84	63	8	226
Gender					
Male	445	1,002	799	57	2,303
Female	983	1,416	1,898	126	4,423
Missing	5	6	4	2	17
U.S. Census Region					
Northeast	287	456	561	37	1,341
Midwest	227	454	440	42	1,163
South	639	1,110	1,219	65	3,033
West	279	403	481	41	1,204
Missing	1	1	.	.	2
U.S. Census Division					
New England	182	275	324	18	799
Middle Atlantic	105	181	237	19	542
East North Central	165	283	313	38	799
West North Central	62	171	127	4	364
South Atlantic	306	461	389	18	1,174
East South Central	94	146	111	13	364
West South Central	239	503	719	34	1,495
Mountain	184	321	351	39	895
Pacific	95	82	130	2	309
Missing	1	1	.	.	2
Smoking					
Yes	491	872	986	65	2,414
No	832	1,333	1,524	101	3,790
Missing	110	219	191	19	539
Education Level					
≤ 6 years	232	553	562	63	1,410
<12 years	212	400	433	22	1,067
12 years	356	523	666	43	1,588
>12 years	276	455	548	25	1,304
16 years	222	308	297	15	842
>16 years	103	151	140	8	402
Missing	32	34	55	9	130
Health Insurance Status					
Yes	723	1,253	1,520	70	3,566
No	636	1,020	1,021	97	2,774
Missing	74	151	160	18	403
Doctor Status					
Yes	840	1,526	1,884	100	4,350
No	527	782	693	68	2,070
Missing	66	116	124	17	323
All	1,433	2,424	2,701	185	6,743

"All" includes participants with missing or unknown values for data fields.

Table 9.6

Total eligible KEEP participants, by BMI (kg/m²): non-Hispanic

	BMI <25	BMI 25-<30	BMI ≥30	Missing	All
Age					
18-30	1,349	960	1,334	41	3,684
31-45	2,328	3,011	5,011	146	10,496
46-60	3,204	5,267	8,470	202	17,143
61-75	2,539	4,576	5,621	134	12,870
>75	1,431	1,680	1,127	46	4,284
Gender					
Male	3,024	5,954	6,025	162	15,165
Female	7,812	9,515	15,523	402	33,252
Missing	15	25	15	5	60
U.S. Census Region					
Northeast	2,832	3,800	4,704	166	11,502
Midwest	1,512	2,358	3,714	61	7,645
South	4,995	7,711	11,234	266	24,206
West	1,506	1,618	1,906	76	5,106
Missing	6	7	5	.	18
U.S. Census Division					
New England	1,165	1,521	1,743	81	4,510
Middle Atlantic	1,667	2,279	2,961	85	6,992
East North Central	771	1,167	1,873	33	3,844
West North Central	741	1,191	1,841	28	3,801
South Atlantic	2,681	4,133	5,933	158	12,905
East South Central	1,293	1,886	2,790	58	6,027
West South Central	1,021	1,692	2,511	50	5,274
Mountain	741	906	1,155	57	2,859
Pacific	765	712	751	19	2,247
Missing	6	7	5	.	18
Smoking					
Yes	4,136	6,440	9,064	213	19,853
No	6,073	8,188	11,353	315	25,929
Missing	642	866	1,146	41	2,695
Education Level					
≤ 6 years	376	571	728	40	1,715
<12 years	870	1,266	2,078	60	4,274
12 years	2,637	4,102	5,998	130	12,867
>12 years	2,807	4,079	6,350	143	13,379
16 years	2,591	3,254	3,863	106	9,814
>16 years	1,453	2,035	2,323	72	5,883
Missing	117	187	223	18	545
Health Insurance Status					
Yes	8,893	12,928	17,606	430	39,857
No	1,540	1,940	3,156	99	6,735
Missing	418	626	801	40	1,885
Doctor Status					
Yes	9,266	13,629	19,137	487	42,519
No	1,308	1,479	1,891	56	4,734
Missing	277	386	535	26	1,224
All	10,851	15,494	21,563	569	48,477

"All" includes participants with missing or unknown values for data fields.

Table 10

Total eligible KEEP participants with microalbuminuria (>20mg/L)

	2000+2001	2002	2003	2004	2005	All
Age						
18-30	145	357	507	591	678	2,278
31-45	410	995	1,197	1,490	1,762	5,854
46-60	615	1,307	1,572	2,121	2,553	8,168
61-75	453	1,000	1,054	1,526	1,901	5,934
>75	156	404	371	549	719	2,199
Gender						
Male	593	1,382	1,448	2,089	2,580	8,092
Female	1,186	2,681	3,252	4,187	4,997	16,303
Missing	.	.	1	1	36	38
Race						
White	590	1,233	1,624	2,281	3,129	8,857
Black	840	2,079	2,034	2,480	2,758	10,191
Other	292	661	865	1,479	1,537	4,834
Unknown/missing	57	90	178	37	189	551
Ethnicity						
Non-Hispanic	1,599	3,727	4,177	5,307	6,519	21,329
Hispanic	180	336	524	970	1,094	3,104
U.S. Census Region						
Northeast	319	942	1,045	1,566	1,902	5,774
Midwest	261	617	790	1,082	1,003	3,753
South	1,061	2,083	2,361	3,042	3,720	12,267
West	135	417	505	587	986	2,630
Missing	3	4	.	.	2	9
U.S. Census Division						
New England	232	363	364	615	639	2,213
Middle Atlantic	87	579	681	951	1,263	3,561
East North Central	47	335	411	683	665	2,141
West North Central	214	282	379	399	338	1,612
South Atlantic	703	1,299	1,047	1,531	1,760	6,340
East South Central	176	233	728	800	928	2,865
West South Central	182	551	586	711	1,032	3,062
Mountain	53	172	283	430	593	1,531
Pacific	82	245	222	157	393	1,099
Missing	3	4	.	.	2	9
Smoking						
Yes	789	1,744	1,882	2,571	2,970	9,956
No	875	2,050	2,526	3,252	4,290	12,993
Missing	115	269	293	454	353	1,484
Education Level						
≤ 6 years	130	220	249	420	497	1,516
<12 years	200	472	497	635	863	2,667
12 years	467	1,160	1,249	1,672	1,955	6,503
>12 years	489	1,072	1,288	1,652	2,004	6,505
16 years	288	689	884	1,160	1,391	4,412
>16 years	186	401	486	651	799	2,523
Missing	19	49	48	87	104	307
Health Insurance Status						
Yes	1,430	3,192	3,627	4,791	5,672	18,712
No	271	687	868	1,261	1,564	4,651
Missing	78	184	206	225	377	1,070
Doctor Status						
Yes	1,544	3,468	3,967	5,185	6,335	20,499
No	172	480	613	850	1,073	3,188
Missing	63	115	121	242	205	746
All	1,779	4,063	4,701	6,277	7,613	24,433

"All" includes participants with missing or unknown values for data fields.

Table 10.1

Total eligible KEEP participants with an abnormal albumin/creatinine ratio (ACR \geq 30 mg/g)

	2,002	2,003	2,004	2005	All
Age					
18-30	49	93	104	100	346
31-45	142	227	285	270	924
46-60	215	394	542	569	1,720
61-75	233	366	451	572	1,622
>75	119	190	232	242	783
Gender					
Male	235	404	515	606	1,760
Female	523	866	1,099	1,139	3,627
Missing	.	.	.	8	8
Race					
White	291	490	652	749	2,182
Black	309	452	576	560	1,897
Other	142	290	376	393	1,201
Unknown/missing	16	38	10	51	115
Ethnicity					
Non-Hispanic	716	1,139	1,406	1,510	4,771
Hispanic	42	131	208	243	624
U.S. Census Region					
Northeast	191	307	430	421	1,349
Midwest	141	193	323	248	905
South	361	626	702	814	2,503
West	65	144	159	270	638
Missing					
U.S. Census Division					
New England	72	111	150	130	463
Middle Atlantic	119	196	280	291	886
East North Central	89	98	182	178	547
West North Central	52	95	141	70	358
South Atlantic	203	260	355	380	1,198
East South Central	35	162	179	205	581
West South Central	123	204	168	229	724
Mountain	25	91	102	163	381
Pacific	40	53	57	107	257
Missing					
Smoking					
Yes	357	549	709	755	2,370
No	341	640	789	935	2,705
Missing	60	81	116	63	320
Education Level					
\leq 6 years	56	91	138	146	431
<12 years	96	160	196	244	696
12 years	248	367	443	498	1,556
>12 years	169	332	408	427	1,336
16 years	118	182	247	262	809
>16 years	62	123	150	146	481
Missing	9	15	32	30	86
Health Insurance Status					
Yes	595	969	1,242	1,298	4,104
No	110	237	312	359	1,018
Missing	53	64	60	96	273
Doctor Status					
Yes	667	1,102	1,372	1,523	4,664
No	60	139	182	181	562
Missing	31	29	60	49	169
All	758	1,270	1,614	1,753	5,395

"All" includes participants with missing or unknown values for data fields. No data for period 2000-2001

Table 11

Total eligible KEEP participants, by hemoglobin level

	<9	9-<10	10-<11	11-<12	12+	Missing	All	Mean Hb
Age								
18-30	14	22	62	279	4,000	313	4,690	13.9
31-45	87	145	264	850	10,810	625	12,781	13.7
46-60	66	95	293	1,075	16,682	1,052	19,263	13.8
61-75	24	77	253	958	12,010	654	13,976	13.7
>75	15	37	139	465	3,661	193	4,510	13.4
Gender								
Male	20	42	101	345	16,153	807	17,468	14.7
Female	186	334	909	3,273	30,954	2,019	37,675	13.2
Missing	.	.	1	9	56	11	77	13.7
Race								
White	43	89	267	1,055	21,893	1,138	24,485	14.0
Black	121	198	567	2,000	14,977	1,112	18,975	13.2
Other	38	82	161	511	9,256	503	10,551	14.0
Unknown/missing	4	7	16	61	1,037	84	1,209	13.9
Ethnicity								
Non-Hispanic	171	331	919	3,323	41,203	2,530	48,477	13.7
Hispanic	35	45	92	304	5,960	307	6,743	14.0
U.S. Census Region								
Northeast	33	81	242	818	10,918	751	12,843	13.7
Midwest	31	61	153	550	7,610	403	8,808	13.7
South	125	200	544	2,021	22,961	1,388	27,239	13.6
West	17	34	72	237	5,655	295	6,310	14.2
Missing	.	.	.	1	19	.	20	14.0
U.S. Census Division								
New England	11	30	89	318	4,554	307	5,309	13.7
Middle Atlantic	22	51	153	500	6,364	444	7,534	13.7
East North Central	19	36	88	314	4,029	157	4,643	13.6
West North Central	12	25	65	236	3,581	246	4,165	13.8
South Atlantic	78	111	257	1,065	11,906	662	14,079	13.6
East South Central	23	36	148	465	5,420	299	6,391	13.6
West South Central	24	53	139	491	5,635	427	6,769	13.7
Mountain	7	19	36	110	3,322	260	3,754	14.4
Pacific	10	15	36	127	2,333	35	2,556	13.9
Missing	.	.	.	1	19	.	20	14.0
Smoking								
Yes	67	133	371	1,180	19,386	1,130	22,267	13.9
No	125	218	578	2,195	25,094	1,509	29,719	13.6
Missing	14	25	62	252	2,683	198	3,234	13.6
Education Level								
≤ 6 years	13	22	77	224	2,625	164	3,125	13.6
<12 years	23	46	115	446	4,424	287	5,341	13.7
12 years	54	104	262	929	12,372	734	14,455	13.7
>12 years	49	94	257	996	12,490	797	14,683	13.7
16 years	45	69	173	616	9,244	509	10,656	13.7
>16 years	17	35	110	375	5,442	306	6,285	13.8
Missing	5	6	17	41	566	40	675	13.6
Health Insurance Status								
Yes	139	282	800	2,986	37,027	2,189	43,423	13.7
No	56	78	174	492	8,212	497	9,509	13.9
Missing	11	16	37	149	1,924	151	2,288	13.7
Doctor Status								
Yes	161	305	881	3,252	39,879	2,391	46,869	13.7
No	39	60	106	277	5,967	355	6,804	14.1
Missing	6	11	24	98	1,317	91	1,547	13.7
All	206	376	1,011	3,627	47,163	2,837	55,220	13.7

"All" includes participants with missing or unknown values for data fields.

Table 12

Total eligible KEEP participants with anemia (WHO* definition)

	Total N	Anemia (N)	Anemia (%)
Age			
18-30	4,375	397	9.1
31-45	12,143	1,439	11.9
46-60	18,193	1,797	9.9
61-75	13,297	1,682	12.6
>75	4,309	860	20.0
Gender			
Male	16,661	1,473	8.8
Female	35,656	4,702	13.2
Missing	0	.	.
Race			
White	23,326	1,852	7.9
Black	17,845	3,303	18.5
Other	10,036	918	9.1
Unknown/missing	1,110	102	9.2
Ethnicity			
Non-Hispanic	45,896	5,629	12.3
Hispanic	6,421	546	8.5
U.S. Census Region			
Northeast	12,076	1,438	11.9
Midwest	8,397	927	11.0
South	25,824	3,382	13.1
West	6,000	426	7.1
Missing	20	2	10.0
U.S. Census Division			
New England	4,995	547	11.0
Middle Atlantic	7,081	891	12.6
East North Central	4,479	523	11.7
West North Central	3,918	404	10.3
South Atlantic	13,398	1,782	13.3
East South Central	6,089	774	12.7
West South Central	6,337	826	13.0
Mountain	3,481	204	5.9
Pacific	2,519	222	8.8
Missing	20	2	10.0
Smoking			
Yes	21,114	2,313	11.0
No	28,177	3,463	12.3
Missing	3,026	399	13.2
Education Level			
≤ 6 years	2,955	413	14.0
<12 years	5,041	738	14.6
12 years	13,702	1,626	11.9
>12 years	13,881	1,613	11.6
16 years	10,140	1,056	10.4
>16 years	5,974	645	10.8
Missing	624	84	13.5
Health Insurance Status			
Yes	41,190	5,002	12.1
No	8,999	914	10.2
Missing	2,128	259	12.2
Doctor Status			
Yes	44,427	5,435	12.2
No	6,438	559	8.7
Missing	1,452	181	12.5
All	52,317	6,175	11.8

Excludes participants with missing hemoglobin values.

*WHO anemia: hemoglobin <13 g/dl in males, <12 g/dl in females.

"All" includes participants with missing or unknown values for data fields.

Table 12.1

Total eligible KEEP participants with anemia (WHO* definition), by race/ethnicity

	White		Black		N Am		Other race	
	Total N	Anemia	Total N	Anemia	Total N	Anemia	Total N	Anemia
Age								
18-30	1,540	65	1,408	227	359	33	915	63
31-45	4,290	242	4,564	918	773	67	2,163	188
46-60	7,726	462	6,821	1,070	923	77	2,385	161
61-75	6,947	608	4,114	793	653	88	1,368	157
>75	2,823	475	938	295	173	35	324	49
Gender								
Male	7,881	634	5,154	616	750	57	2,516	143
Female	15,445	1,218	12,691	2,687	2,131	243	4,639	475
Missing	0	.	0	.	0	.	0	.
U.S. Census Region								
Northeast	6,216	554	3,639	634	259	37	1,655	173
Midwest	4,080	304	2,736	483	452	58	977	73
South	10,890	880	11,057	2,120	1,255	159	2,170	181
West	2,131	114	405	64	914	46	2,352	191
Missing	9	0	8	2	1	0	1	0
U.S. Census Division								
New England	2,680	225	1,189	186	128	18	785	90
Middle Atlantic	3,536	329	2,450	448	131	19	870	83
East North Central	2,030	161	1,661	304	55	6	635	49
West North Central	2,050	143	1,075	179	397	52	342	24
South Atlantic	5,756	469	6,366	1,186	81	14	1,002	90
East South Central	2,853	220	2,783	517	18	3	320	26
West South Central	2,281	191	1,908	417	1,156	142	848	65
Mountain	1,687	97	150	21	873	41	601	38
Pacific	444	17	255	43	41	5	1,751	153
Missing	9	0	8	2	1	0	1	0
Smoking								
Yes	9,999	812	6,765	1,116	1,566	164	2,372	186
No	12,339	953	9,800	1,940	1,186	119	4,257	390
Missing	988	87	1,280	247	129	17	526	42
Education Level								
≤ 6 years	825	95	621	167	157	24	1,135	111
<12 years	1,756	201	1,802	381	409	45	888	92
12 years	6,758	566	4,317	808	794	92	1,579	135
>12 years	6,246	476	5,158	919	910	88	1,380	117
16 years	4,738	296	3,518	621	380	24	1,389	107
>16 years	2,835	201	2,229	372	190	20	669	46
Missing	168	17	200	35	41	7	115	10
Health Insurance Status								
Yes	19,979	1,642	14,163	2,655	1,962	219	4,466	417
No	2,551	150	2,892	497	818	70	2,340	171
Missing	796	60	790	151	101	11	349	30
Doctor Status								
Yes	20,891	1,703	15,328	2,924	2,382	262	5,075	468
No	1,874	91	2,046	294	423	29	1,803	126
Missing	561	58	471	85	76	9	277	24
All	23,326	1,852	17,845	3,303	2,881	300	7,155	618

Excludes participants with missing hemoglobin values.

*WHO anemia: hemoglobin <13 g/dl in males, <12 g/dl in females.

"All" includes participants with missing or unknown values for data fields.

Table 12.1 (continued)

Total eligible KEEP participants with anemia (WHO* definition), by race/ethnicity

	Hispanic		non-Hispanic		All	
	Total N	Anemia	Total N	Anemia	Total N	Anemia
Age						
18-30	946	66	3,429	331	4,375	397
31-45	2,193	174	9,950	1,265	12,143	1,439
46-60	2,011	150	16,182	1,647	18,193	1,797
61-75	1,058	121	12,239	1,561	13,297	1,682
>75	213	35	4,096	825	4,309	860
Gender						
Male	2,205	113	14,456	1,360	16,661	1,473
Female	4,216	433	31,440	4,269	35,656	4,702
Missing	0	.	0	.	0	.
U.S. Census Region						
Northeast	1,251	140	10,825	1,298	12,076	1,438
Midwest	1,129	85	7,268	842	8,397	927
South	2,895	244	22,929	3,138	25,824	3,382
West	1,144	77	4,856	349	6,000	426
Missing	2	0	18	2	20	2
U.S. Census Division						
New England	731	89	4,264	458	4,995	547
Middle Atlantic	520	51	6,561	840	7,081	891
East North Central	776	57	3,703	466	4,479	523
West North Central	353	28	3,565	376	3,918	404
South Atlantic	1,137	105	12,261	1,677	13,398	1,782
East South Central	339	21	5,750	753	6,089	774
West South Central	1,419	118	4,918	708	6,337	826
Mountain	841	51	2,640	153	3,481	204
Pacific	303	26	2,216	196	2,519	222
Missing	2	0	18	2	20	2
Smoking						
Yes	2,298	184	18,816	2,129	21,114	2,313
No	3,621	327	24,556	3,136	28,177	3,463
Missing	502	35	2,524	364	3,026	399
Education Level						
≤ 6 years	1,341	118	1,614	295	2,955	413
<12 years	1,011	103	4,030	635	5,041	738
12 years	1,519	120	12,183	1,506	13,702	1,626
>12 years	1,252	96	12,629	1,517	13,881	1,613
16 years	804	64	9,336	992	10,140	1,056
>16 years	378	30	5,596	615	5,974	645
Missing	116	15	508	69	624	84
Health Insurance Status						
Yes	3,406	324	37,784	4,678	41,190	5,002
No	2,635	189	6,364	725	8,999	914
Missing	380	33	1,748	226	2,128	259
Doctor Status						
Yes	4,154	380	40,273	5,055	44,427	5,435
No	1,961	142	4,477	417	6,438	559
Missing	306	24	1,146	157	1,452	181
All	6,421	546	45,896	5,629	52,317	6,175

Excludes participants with missing hemoglobin values.

*WHO anemia: hemoglobin <13 g/dl in males, <12 g/dl in females.

"All" includes participants with missing or unknown values for data fields.

Table 13

Total eligible KEEP participants with anemia (K/DOQI* definition)

	Total N	N Anemia	% with anemia
Age			
18-30	4,377	105	2.4
31-45	12,156	516	4.2
46-60	18,211	1,165	6.4
61-75	13,322	1,308	9.8
>75	4,317	654	15.1
Gender			
Male	16,661	508	3.0
Female	35,656	3,240	9.1
Missing	66	0	0.0
Race			
White	23,347	1,163	5.0
Black	17,863	1,983	11.1
Other	10,048	541	5.4
Unknown/missing	1,125	61	5.4
Ethnicity			
Non-Hispanic	45,947	3,438	7.5
Hispanic	6,436	310	4.8
U.S. Census Region			
Northeast	12,092	863	7.1
Midwest	8,405	594	7.1
South	25,851	2,035	7.9
West	6,015	256	4.3
Missing	20	0	0.0
U.S. Census Division			
New England	5,002	323	6.5
Middle Atlantic	7,090	540	7.6
East North Central	4,486	341	7.6
West North Central	3,919	253	6.5
South Atlantic	13,417	1,042	7.8
East South Central	6,092	495	8.1
West South Central	6,342	498	7.9
Mountain	3,494	123	3.5
Pacific	2,521	133	5.3
Missing	20	0	0.0
Smoking			
Yes	21,137	1,348	6
No	28,210	2,132	8
Missing	3,036	268	9
Education Level			
≤ 6 years	2,961	295	10.0
<12 years	5,054	516	10.2
12 years	13,721	1,042	7.6
>12 years	13,886	930	6.7
16 years	10,147	531	5.2
>16 years	5,979	378	6.3
Missing	635	56	8.8
Health Insurance Status			
Yes	41,234	3,071	7.4
No	9,012	514	5.7
Missing	2,137	163	7.6
Doctor Status			
Yes	44,478	3,364	7.6
No	6,449	280	4.3
Missing	1,456	104	7.1
All	52,383	3,748	7.2

Excludes participants with missing hemoglobin values.

*K/DOQI anemia: hemoglobin <13 g/dl in males, <12 g/dl in females age >50, <11 g/dl in females age ≤50.

"All" includes participants with missing or unknown values for data fields.

Table 13.1

Total eligible KEEP participants with anemia (K/DOQI* definition), by race/ethnicity

	White		Black		N Am		Other race	
	Total N	Anemia	Total N	Anemia	Total N	Anemia	Total N	Anemia
Age								
18-30	1,541	10	1,409	66	359	9	915	17
31-45	4,292	71	4,566	334	774	26	2,166	78
46-60	7,731	292	6,825	697	925	55	2,386	104
61-75	6,954	445	4,124	642	656	79	1,370	114
>75	2,829	345	939	244	173	28	324	31
Gender								
Male	7,881	233	5,154	196	750	28	2,516	42
Female	15,445	930	12,691	1,787	2,131	169	4,639	302
Missing	21	0	18	0	6	0	6	0
U.S. Census Region								
Northeast	6,221	341	3,641	377	260	25	1,658	98
Midwest	4,082	196	2,739	313	453	36	977	43
South	10,896	556	11,069	1,262	1,256	111	2,172	81
West	2,139	70	406	31	917	25	2,353	122
Missing	9	0	8	0	1	0	1	0
U.S. Census Division								
New England	2,684	137	1,189	106	128	12	786	53
Middle Atlantic	3,537	204	2,452	271	132	13	872	45
East North Central	2,032	111	1,664	196	55	3	635	29
West North Central	2,050	85	1,075	117	398	33	342	14
South Atlantic	5,759	297	6,378	676	81	10	1,003	44
East South Central	2,853	144	2,783	338	18	1	320	8
West South Central	2,284	115	1,908	248	1,157	100	849	29
Mountain	1,693	62	151	8	876	25	602	24
Pacific	446	8	255	23	41	0	1,751	98
Missing	9	0	8	0	1	0	1	0
Smoking								
Yes	10,006	459	6,771	668	1,569	106	2,373	95
No	12,350	646	9,809	1,147	1,189	81	4,260	223
Missing	991	58	1,283	168	129	10	528	26
Education Level								
≤ 6 years	827	71	622	122	158	16	1,136	75
<12 years	1,758	138	1,807	279	411	35	891	53
12 years	6,766	384	4,324	503	796	61	1,580	80
>12 years	6,248	299	5,158	522	911	50	1,380	53
16 years	4,743	143	3,518	315	380	15	1,390	53
>16 years	2,837	119	2,231	218	190	15	669	22
Missing	168	9	203	24	41	5	115	8
Health Insurance Status								
Yes	19,992	1,041	14,177	1,607	1,966	145	4,470	233
No	2,556	87	2,893	279	818	45	2,341	93
Missing	799	35	793	97	103	7	350	18
Doctor Status								
Yes	20,905	1,080	15,344	1,790	2,388	178	5,079	264
No	1,880	56	2,047	141	423	15	1,805	63
Missing	562	27	472	52	76	4	277	17
All	23,347	1,163	17,863	1,983	2,887	197	7,161	344

Excludes participants with missing hemoglobin values.

*K/DOQI anemia: hemoglobin <13 g/dl in males, <12 g/dl in females age >50, <11 g/dl in females age ≤50.

“All” includes participants with missing or unknown values for data fields.

Table 13.1 (continued)

Total eligible KEEP participants with anemia (K/DOQI* definition), by race/ethnicity

	Hispanic		non-Hispanic		All	
	Total N	Anemia	Total N	Anemia	Total N	Anemia
Age						
18-30	946	19	3,431	86	4,377	105
31-45	2,199	77	9,957	439	12,156	516
46-60	2,014	97	16,197	1,068	18,211	1,165
61-75	1,064	91	12,258	1,217	13,322	1,308
>75	213	26	4,104	628	4,317	654
Gender						
Male	2,205	41	14,456	467	16,661	508
Female	4,216	269	31,440	2,971	35,656	3,240
Missing	15	0	51	0	66	0
U.S. Census Region						
Northeast	1,257	73	10,835	790	12,092	863
Midwest	1,129	48	7,276	546	8,405	594
South	2,900	141	22,951	1,894	25,851	2,035
West	1,148	48	4,867	208	6,015	256
Missing	2	0	18	0	20	0
U.S. Census Division						
New England	734	51	4,268	272	5,002	323
Middle Atlantic	523	22	6,567	518	7,090	540
East North Central	776	33	3,710	308	4,486	341
West North Central	353	15	3,566	238	3,919	253
South Atlantic	1,138	62	12,279	980	13,417	1,042
East South Central	340	11	5,752	484	6,092	495
West South Central	1,422	68	4,920	430	6,342	498
Mountain	845	34	2,649	89	3,494	123
Pacific	303	14	2,218	119	2,521	133
Missing	2	0	18	0	20	0
Smoking						
Yes	2,302	97	18,835	1,251	21,137	1,348
No	3,629	190	24,581	1,942	28,210	2,132
Missing	505	23	2,531	245	3,036	268
Education Level						
≤ 6 years	1,345	75	1,616	220	2,961	295
<12 years	1,015	64	4,039	452	5,054	516
12 years	1,521	68	12,200	974	13,721	1,042
>12 years	1,255	45	12,631	885	13,886	930
16 years	804	33	9,343	498	10,147	531
>16 years	379	14	5,600	364	5,979	378
Missing	117	11	518	45	635	56
Health Insurance Status						
Yes	3,415	181	37,819	2,890	41,234	3,071
No	2,640	110	6,372	404	9,012	514
Missing	381	19	1,756	144	2,137	163
Doctor Status						
Yes	4,161	219	40,317	3,145	44,478	3,364
No	1,968	76	4,481	204	6,449	280
Missing	307	15	1,149	89	1,456	104
All	6,436	310	45,947	3,438	52,383	3,748

Excludes participants with missing hemoglobin values.

*K/DOQI anemia: hemoglobin <13 g/dl in males, <12 g/dl in females age >50, <11 g/dl in females age ≤50.

"All" includes participants with missing or unknown values for data fields.

Table 14

Total eligible KEEP participants with a risk factor for cardiovascular disease*

	2000+2001			2002			2003		
	Total N	N with a risk factor	% with a risk factor	Total N	N with a risk factor	% with a risk factor	Total N	N with a risk factor	% with a risk factor
Age									
18-30	526	366	69.6	594	421	70.9	940	618	65.7
31-45	1,301	1,066	81.9	1,815	1,503	82.8	2,214	1,794	81.0
46-60	1,896	1,694	89.3	2,402	2,127	88.6	3,160	2,779	87.9
61-75	1,324	1,247	94.2	1,827	1,721	94.2	2,176	2,040	93.8
>75	368	346	94.0	671	622	92.7	659	620	94.1
Gender									
Male	1,757	1,555	88.5	2,333	2,100	90.0	2,743	2,439	88.9
Female	3,658	3,164	86.5	4,976	4,294	86.3	6,406	5,412	84.5
Race									
White	2,093	1,808	86.4	2,852	2,503	87.8	4,071	3,479	85.5
Black	2,271	1,992	87.7	3,041	2,690	88.5	3,092	2,748	88.9
Other	901	791	87.8	1,256	1,066	84.9	1,709	1,404	82.2
Unknown/missing	150	128	85.3	160	135	84.4	277	220	79.4
Ethnicity									
Non-Hispanic	4,856	4,233	87.2	6,673	5,863	87.9	8,140	7,039	86.5
Hispanic	559	486	86.9	636	531	83.5	1,009	812	80.5
U.S. Census Region									
Northeast	1,093	976	89.3	1,706	1,499	87.9	2,109	1,820	86.3
Midwest	790	706	89.4	1,066	940	88.2	1,576	1,372	87.1
South	3,098	2,693	86.9	3,690	3,264	88.5	4,337	3,748	86.4
West	424	335	79.0	843	688	81.6	1,126	910	80.8
Missing	10	9	90.0	4	3	75.0	1	1	100.0
U.S. Census Division									
New England	861	760	88.3	715	615	86.0	730	624	85.5
Middle Atlantic	232	216	93.1	991	884	89.2	1,379	1,196	86.7
East North Central	205	181	88.3	592	523	88.3	766	661	86.3
West North Central	585	525	89.7	474	417	88.0	810	711	87.8
South Atlantic	1,883	1,630	86.6	2,274	1,999	87.9	1,877	1,594	84.9
East South Central	487	426	87.5	482	413	85.7	1,353	1,145	84.6
West South Central	728	637	87.5	934	852	91.2	1,107	1,009	91.1
Mountain	164	132	80.5	354	301	85.0	574	481	83.8
Pacific	260	203	78.1	489	387	79.1	552	429	77.7
Missing	10	9	90.0	4	3	75.0	1	1	100.0
Smoking									
Yes	2,423	2,423	100.0	3,344	3,344	100.0	3,951	3,951	100.0
No	2,992	2,296	76.7	3,965	3,050	76.9	5,198	3,900	75.0
Education Level									
≤ 6 years	320	308	96.3	349	317	90.8	434	403	92.9
<12 years	508	473	93.1	788	736	93.4	819	757	92.4
12 years	1,392	1,264	90.8	1,969	1,782	90.5	2,392	2,144	89.6
>12 years	1,488	1,281	86.1	1,987	1,750	88.1	2,581	2,216	85.9
16 years	1,011	818	80.9	1,343	1,086	80.9	1,796	1,410	78.5
>16 years	630	516	81.9	802	661	82.4	1,065	865	81.2
Missing	66	59	89.4	71	62	87.3	62	56	90.3
Health Insurance Status									
Yes	4,469	3,892	87.1	5,960	5,209	87.4	7,362	6,312	85.7
No	778	682	87.7	1,123	988	88.0	1,534	1,321	86.1
Missing	168	145	86.3	226	197	87.2	253	218	86.2
Doctor Status									
Yes	4,712	4,138	87.8	6,410	5,633	87.9	7,886	6,806	86.3
No	573	470	82.0	802	678	84.5	1,128	933	82.7
Missing	130	111	85.4	97	83	85.6	135	112	83.0
All	5,415	4,719	87.1	7,309	6,394	87.5	9,149	7,851	85.8

*Risk factors: \geq BMI 30 kg/m², self-reported diabetes, history of smoking, anemia (WHO definition), and elevated blood pressure (JNC 7).

"All" includes participants with missing or unknown values for data fields.

Table 14 (continued)

Total eligible KEEP participants with a risk factor for cardiovascular disease*

	2004			2005			All		
	Total N	N with a risk factor	% with a risk factor	Total N	N with a risk factor	% with a risk factor	Total N	N with a risk factor	% with a risk factor
Age									
18-30	987	704	71.3	1,280	886	69.2	4,327	2,995	69.2
31-45	2,666	2,168	81.3	3,579	2,801	78.3	11,575	9,332	80.6
46-60	4,289	3,715	86.6	5,768	4,983	86.4	17,515	15,298	87.3
61-75	2,996	2,773	92.6	4,287	3,890	90.7	12,610	11,671	92.6
>75	951	891	93.7	1,386	1,272	91.8	4,035	3,751	93.0
Gender									
Male	3,785	3,366	88.9	5,373	4,692	87.3	15,991	14,152	88.5
Female	8,104	6,885	85.0	10,927	9,140	83.6	34,071	28,895	84.8
Race									
White	5,373	4,614	85.9	8,422	7,123	84.6	22,811	19,527	85.6
Black	3,836	3,434	89.5	4,633	4,098	88.5	16,873	14,962	88.7
Other	2,607	2,149	82.4	2,894	2,308	79.8	9,367	7,718	82.4
Unknown/missing	73	54	74.0	351	303	86.3	1,011	840	83.1
Ethnicity									
Non-Hispanic	10,285	8,970	87.2	14,227	12,140	85.3	44,181	38,245	86.6
Hispanic	1,604	1,281	79.9	2,073	1,692	81.6	5,881	4,802	81.7
U.S. Census Region									
Northeast	2,771	2,405	86.8	4,030	3,294	81.7	11,709	9,994	85.4
Midwest	2,249	1,962	87.2	2,306	2,012	87.3	7,987	6,992	87.5
South	5,688	4,941	86.9	7,761	6,705	86.4	24,574	21,351	86.9
West	1,181	943	79.8	2,199	1,818	82.7	5,773	4,694	81.3
Missing	.	.	.	4	3	75.0	19	16	84.2
U.S. Census Division									
New England	1,142	1,002	87.7	1,270	1,071	84.3	4,718	4,072	86.3
Middle Atlantic	1,629	1,403	86.1	2,760	2,223	80.5	6,991	5,922	84.7
East North Central	1,278	1,112	87.0	1,341	1,151	85.8	4,182	3,628	86.8
West North Central	971	850	87.5	965	861	89.2	3,805	3,364	88.4
South Atlantic	2,728	2,342	85.9	3,679	3,165	86.0	12,441	10,730	86.2
East South Central	1,604	1,404	87.5	1,999	1,722	86.1	5,925	5,110	86.2
West South Central	1,356	1,195	88.1	2,083	1,818	87.3	6,208	5,511	88.8
Mountain	848	677	79.8	1,466	1,200	81.9	3,406	2,791	81.9
Pacific	333	266	79.9	733	618	84.3	2,367	1,903	80.4
Missing	.	.	.	4	3	75.0	19	16	84.2
Smoking									
Yes	5,204	5,204	100.0	6,538	6,538	100.0	21,460	21,460	100.0
No	6,685	5,047	75.5	9,762	7,294	74.7	28,602	21,587	75.5
Education Level									
≤ 6 years	690	606	87.8	873	790	90.5	2,666	2,424	90.9
<12 years	1,045	973	93.1	1,571	1,425	90.7	4,731	4,364	92.2
12 years	3,155	2,799	88.7	4,167	3,661	87.9	13,075	11,650	89.1
>12 years	3,201	2,798	87.4	4,254	3,660	86.0	13,511	11,705	86.6
16 years	2,323	1,880	80.9	3,311	2,634	79.6	9,784	7,828	80.0
>16 years	1,361	1,098	80.7	1,964	1,520	77.4	5,822	4,660	80.0
Missing	114	97	85.1	160	142	88.8	473	416	87.9
Health Insurance Status									
Yes	9,378	8,119	86.6	12,803	10,843	84.7	39,972	34,375	86.0
No	2,239	1,895	84.6	2,869	2,437	84.9	8,543	7,323	85.7
Missing	272	237	87.1	628	552	87.9	1,547	1,349	87.2
Doctor Status									
Yes	10,104	8,805	87.1	13,903	11,912	85.7	43,015	37,294	86.7
No	1,529	1,229	80.4	2,127	1,690	79.5	6,159	5,000	81.2
Missing	256	217	84.8	270	230	85.2	888	753	84.8
All	11,889	10,251	86.2	16,300	13,832	84.9	50,062	43,047	86.0

*Risk factors: \geq BMI 30 kg/m², self-reported diabetes, history of smoking, anemia (WHO definition), and elevated blood pressure (JNC 7).

"All" includes participants with missing or unknown values for data fields.

Table 14.1

Total eligible KEEP participants with a risk factor for cardiovascular disease*, by race/ethnicity

	White		Black		N Am		Other race	
	Total N	N with a risk factor	Total N	N with a risk factor	Total N	N with a risk factor	Total N	N with a risk factor
Age								
18-30	1,572	1,050	1,406	1,021	356	299	846	519
31-45	4,206	3,357	4,329	3,624	770	691	1,946	1,415
46-60	7,632	6,465	6,484	5,904	914	856	2,171	1,794
61-75	6,715	6,173	3,804	3,605	647	616	1,258	1,104
>75	2,686	2,482	850	808	168	157	291	267
Gender								
Male	7,775	6,929	4,810	4,284	745	709	2,328	1,942
Female	15,036	12,598	12,063	10,678	2,110	1,910	4,184	3,157
U.S. Census Region								
Northeast	6,153	5,219	3,484	3,094	258	241	1,519	1,189
Midwest	4,000	3,515	2,640	2,360	394	381	828	640
South	10,548	9,090	10,335	9,140	1,317	1,236	1,954	1,535
West	2,101	1,694	407	363	885	760	2,210	1,735
Missing	9	9	7	5	1	1	1	0
U.S. Census Division								
New England	2,562	2,208	1,129	989	127	120	697	578
Middle Atlantic	3,591	3,011	2,355	2,105	131	121	822	611
East North Central	1,970	1,717	1,580	1,415	55	48	500	394
West North Central	2,030	1,798	1,060	945	339	333	328	246
South Atlantic	5,484	4,727	5,838	5,125	78	74	872	663
East South Central	2,800	2,387	2,705	2,418	17	16	288	198
West South Central	2,264	1,976	1,792	1,597	1,222	1,146	794	674
Mountain	1,682	1,362	161	142	845	723	569	440
Pacific	419	332	246	221	40	37	1,641	1,295
Missing	9	9	7	5	1	1	1	0
Smoking								
Yes	10,206	10,206	6,888	6,888	1,613	1,613	2,334	2,334
No	12,605	9,321	9,985	8,074	1,242	1,006	4,178	2,765
Education Level								
≤ 6 years	766	720	566	549	147	137	985	840
<12 years	1,698	1,592	1,666	1,583	407	388	776	647
12 years	6,589	5,880	4,033	3,687	792	744	1,433	1,153
>12 years	6,176	5,360	4,956	4,377	907	815	1,295	1,007
16 years	4,644	3,648	3,352	2,817	371	332	1,307	952
>16 years	2,800	2,207	2,152	1,819	194	168	630	428
Missing	138	120	148	130	37	35	86	72
Health Insurance Status								
Yes	19,714	16,834	13,534	11,947	1,954	1,798	4,192	3,309
No	2,507	2,192	2,767	2,495	818	746	2,079	1,587
Missing	590	501	572	520	83	75	241	203
Doctor Status								
Yes	20,604	17,727	14,626	13,007	2,375	2,187	4,714	3,776
No	1,862	1,510	1,973	1,710	427	385	1,622	1,188
Missing	345	290	274	245	53	47	176	135
All	22,811	19,527	16,873	14,962	2,855	2,619	6,512	5,099

*Risk factors: \geq BMI 30 kg/m², self-reported diabetes, history of smoking, anemia (WHO definition), and elevated blood pressure (JNC 7).

All includes participants with missing or unknown values for data fields.

Table 14.1 (continued)

Total eligible KEEP participants with a risk factor for cardiovascular disease*, by race/ethnicity

	Hispanic		Non-Hispanic		All	
	Total N	N with a risk factor	Total N	N with a risk factor	Total N	N with a risk factor
Age						
18-30	890	585	3,437	2,410	4,327	2,995
31-45	1,987	1,529	9,588	7,803	11,575	9,332
46-60	1,840	1,612	15,675	13,686	17,515	15,298
61-75	973	894	11,637	10,777	12,610	11,671
>75	191	182	3,844	3,569	4,035	3,751
Gender						
Male	2,019	1,729	13,972	12,423	15,991	14,152
Female	3,862	3,073	30,209	25,822	34,071	28,895
U.S. Census Region						
Northeast	1,189	1,000	10,520	8,994	11,709	9,994
Midwest	950	744	7,037	6,248	7,987	6,992
South	2,672	2,200	21,902	19,151	24,574	21,351
West	1,068	857	4,705	3,837	5,773	4,694
Missing	2	1	17	15	19	16
U.S. Census Division						
New England	698	600	4,020	3,472	4,718	4,072
Middle Atlantic	491	400	6,500	5,522	6,991	5,922
East North Central	619	484	3,563	3,144	4,182	3,628
West North Central	331	260	3,474	3,104	3,805	3,364
South Atlantic	998	778	11,443	9,952	12,441	10,730
East South Central	318	236	5,607	4,874	5,925	5,110
West South Central	1,356	1,186	4,852	4,325	6,208	5,511
Mountain	790	635	2,616	2,156	3,406	2,791
Pacific	278	222	2,089	1,681	2,367	1,903
Missing	2	1	17	15	19	16
Smoking						
Yes	2,289	2,289	19,171	19,171	21,460	21,460
No	3,592	2,513	25,010	19,074	28,602	21,587
Education Level						
≤ 6 years	1,181	1,024	1,485	1,400	2,666	2,424
<12 years	932	778	3,799	3,586	4,731	4,364
12 years	1,387	1,140	11,688	10,510	13,075	11,650
>12 years	1,178	933	12,333	10,772	13,511	11,705
16 years	758	582	9,026	7,246	9,784	7,828
>16 years	357	271	5,465	4,389	5,822	4,660
Missing	88	74	385	342	473	416
Health Insurance Status						
Yes	3,233	2,703	36,739	31,672	39,972	34,375
No	2,374	1,872	6,169	5,451	8,543	7,323
Missing	274	227	1,273	1,122	1,547	1,349
Doctor Status						
Yes	3,901	3,300	39,114	33,994	43,015	37,294
No	1,783	1,345	4,376	3,655	6,159	5,000
Missing	197	157	691	596	888	753
All	5,881	4,802	44,181	38,245	50,062	43,047

*Risk factors: \geq BMI 30 kg/m², self-reported diabetes, history of smoking, anemia (WHO definition), and elevated blood pressure (JNC 7).

"All" includes participants with missing or unknown values for data fields.

Table 15

Total eligible KEEP participants with self-reported kidney disease or stones

	2000+2001	2002	2003	2004	2005	All
Age						
18-30	26	33	43	79	91	272
31-45	107	119	174	241	439	1,080
46-60	219	239	329	474	833	2,094
61-75	181	202	262	382	724	1,751
>75	43	77	89	133	270	612
Gender						
Male	225	266	348	523	924	2,286
Female	351	404	548	786	1,422	3,511
Missing	.	.	1	.	11	12
Race						
White	317	373	521	763	1,476	3,450
Black	151	152	176	225	384	1,088
Other	89	133	171	316	435	1,144
Unknown/missing	19	12	29	5	62	127
Ethnicity						
Non-Hispanic	514	597	774	1,087	1,983	4,955
Hispanic	62	73	123	222	374	854
U.S. Census Region						
Northeast	107	121	217	279	561	1,285
Midwest	62	88	154	215	298	817
South	362	383	421	655	1,137	2,958
West	44	78	105	160	361	748
Missing	1	.	.	.	.	1
U.S. Census Division						
New England	84	71	72	104	207	538
Middle Atlantic	23	50	145	175	354	747
East North Central	14	55	76	137	174	456
West North Central	48	33	78	78	124	361
South Atlantic	220	244	183	313	542	1,502
East South Central	54	54	110	179	319	716
West South Central	88	85	128	163	276	740
Mountain	22	32	53	109	259	475
Pacific	22	46	52	51	102	273
Missing	1	.	.	.	.	1
Smoking						
Yes	267	334	417	572	974	2,564
No	279	309	449	678	1,302	3,017
Missing	30	27	31	59	81	228
Education Level						
≤ 6 years	54	50	60	102	152	418
<12 years	60	74	87	128	262	611
12 years	135	204	233	363	638	1,573
>12 years	152	174	252	330	594	1,502
16 years	106	99	165	230	413	1,013
>16 years	63	64	97	144	277	645
Missing	6	5	3	12	21	47
Health Insurance Status						
Yes	479	536	725	988	1,824	4,552
No	77	113	148	277	420	1,035
Missing	20	21	24	44	113	222
Doctor Status						
Yes	510	594	785	1,112	2,034	5,035
No	49	63	97	159	259	627
Missing	17	13	15	38	64	147
All	576	670	897	1,309	2,357	5,809
N answering question	6,081	8,045	9,920	13,124	17,920	55,090

"All" includes participants with missing or unknown values for data fields.

Table 15.1

Total eligible KEEP participants with self-reported kidney disease or stones, by race/ethnicity

	White	Black	N Am	Other race	Hispanic	non-Hispanic	All
Age							
18-30	143	39	14	64	80	192	272
31-45	518	212	70	247	290	790	1,080
46-60	1,224	411	118	297	281	1,813	2,094
61-75	1,123	333	89	177	162	1,589	1,751
>75	442	93	29	39	41	571	612
Gender							
Male	1,460	363	90	330	305	1,981	2,286
Female	1,985	723	229	493	546	2,965	3,511
Missing	5	2	1	1	3	9	12
U.S. Census Region							
Northeast	814	208	34	197	173	1,112	1,285
Midwest	500	155	47	101	126	691	817
South	1,772	695	157	274	408	2,550	2,958
West	363	30	82	252	147	601	748
Missing	1	.	.	.	.	1	1
U.S. Census Division							
New England	326	81	19	88	97	441	538
Middle Atlantic	488	127	15	109	76	671	747
East North Central	270	101	9	66	88	368	456
West North Central	230	54	38	35	38	323	361
South Atlantic	951	389	12	120	157	1,345	1,502
East South Central	476	181	6	43	47	669	716
West South Central	345	125	139	111	204	536	740
Mountain	283	18	75	83	121	354	475
Pacific	80	12	7	169	26	247	273
Missing	1	.	.	.	.	1	1
Smoking							
Yes	1,546	498	173	297	306	2,258	2,564
No	1,802	539	136	471	496	2,521	3,017
Missing	102	51	11	56	52	176	228
Education Level							
≤ 6 years	146	74	37	132	185	233	418
<12 years	281	144	54	112	134	477	611
12 years	1,006	270	91	179	195	1,378	1,573
>12 years	940	298	85	158	157	1,345	1,502
16 years	638	163	39	156	115	898	1,013
>16 years	424	128	12	76	56	589	645
Missing	15	11	2	11	12	35	47
Health Insurance Status							
Yes	2,910	873	223	477	419	4,133	4,552
No	427	174	85	303	384	651	1,035
Missing	113	41	12	44	51	171	222
Doctor Status							
Yes	3,120	969	280	578	548	4,487	5,035
No	258	97	31	216	263	364	627
Missing	72	22	9	30	43	104	147
All	3,450	1,088	320	824	854	4,955	5,809

"All" includes participants with missing or unknown values for data fields.

Table 16

Counts of KEEP participants, by affiliate

	2000+2001	2002	2003	2004	2005	All
Alabama	0	0	55	100	126	281
Arizona	138	261	108	486	607	1,600
Arkansas	0	0	0	28	193	221
Northern California	33	33	164	45	200	475
Southern California	90	0	0	1	0	91
National Capital Area	0	1	1	1	86	89
Colorado/Idaho/	0	0	0	0	29	29
Montana/Wyoming						
Connecticut	265	272	296	447	547	1,827
Delaware Valley	105	37	264	231	382	1,019
Florida	679	1,158	752	766	515	3,870
Georgia	681	443	97	237	308	1,766
Hawaii	200	463	395	258	601	1,917
Illinois	60	233	176	485	432	1,386
Indiana	35	388	465	574	732	2,194
Iowa	183	56	42	161	186	628
Kansas/Western MO	0	0	0	28	125	153
Kentucky	198	76	0	352	687	1,313
Louisiana	184	361	496	561	551	2,153
Maine	234	181	100	77	174	766
Massachusetts/Rhode Island/	475	329	429	763	760	2,756
New Hampshire/Vermont						
Michigan	35	0	0	0	0	35
Minnesota	41	57	126	297	186	707
Mississippi	164	99	368	338	286	1,255
Eastern MO/Metro-East MO	445	336	473	365	352	1,971
Nebraska	19	140	187	275	262	883
New Mexico	0	150	510	240	325	1,225
Central New York	0	373	708	368	275	1,724
Greater New York	0	0	0	405	804	1,209
Northeast New York	17	0	170	110	594	891
Upstate New York	125	138	129	123	189	704
Western New York	0	530	79	197	295	1,101
North Carolina	285	290	459	815	466	2,315
Ohio	0	0	103	228	231	562
Oklahoma	370	550	364	401	420	2,105
Oregon/Washington	0	0	0	45	56	101
Western Pennsylvania	0	0	123	322	861	1,306
South Carolina	326	266	497	621	1,091	2,801
South Dakota	0	0	134	47	0	181
East Tennessee	0	123	613	596	670	2,002
Middle Tennessee	61	151	136	206	232	786
West Tennessee	81	69	298	114	185	747
North Texas	1	0	150	289	459	899
South and Central Texas	160	12	140	172	379	863
Southeast Texas	0	0	0	0	83	83
West Texas	65	58	0	0	193	316
Utah	40	25	51	276	649	1,041
Virginia	287	386	263	673	1,239	2,848
Wisconsin	0	0	0	0	25	25
All	6,082	8,045	9,921	13,124	18,048	55,220

"All" includes participants with missing or unknown values for data fields.

Table 16.1
Diabetes*, by affiliate

	Total N	N with disease	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	280	113	40.4	1.48	1.16	1.90
Arizona	1,535	429	28.0	0.85	0.75	0.97
Arkansas	220	61	27.7	0.84	0.62	1.14
Northern California	432	104	24.1	0.69	0.55	0.88
Southern California	83	9	10.8	0.27	0.13	0.53
National Capital Area	89	10	11.2	0.28	0.14	0.54
Colorado/Idaho/ Montana/Wyoming	29	10	34.5	1.15	0.53	2.49
Connecticut	1,805	504	27.9	0.85	0.75	0.96
Delaware Valley	1,009	374	37.1	1.29	1.12	1.49
Florida	3,757	1,178	31.4	1.00		
Georgia	1,653	403	24.4	0.71	0.62	0.81
Hawaii	1,907	522	27.4	0.83	0.73	0.93
Illinois	1,342	418	31.2	0.99	0.87	1.13
Indiana	2,159	592	27.4	0.83	0.74	0.93
Iowa	623	203	32.6	1.06	0.88	1.27
Kansas/Western MO	150	47	31.3	1.00	0.70	1.42
Kentucky	1,261	534	42.4	1.61	1.41	1.83
Louisiana	2,127	648	30.5	0.96	0.86	1.08
Maine	723	217	30.0	0.94	0.79	1.12
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,633	918	34.9	1.17	1.05	1.30
Michigan	35	13	37.1	1.29	0.65	2.58
Minnesota	695	238	34.2	1.14	0.96	1.35
Mississippi	1,248	423	33.9	1.12	0.98	1.29
Eastern MO/Metro-East MO	1,900	620	32.6	1.06	0.94	1.19
Nebraska	869	245	28.2	0.86	0.73	1.01
New Mexico	1,217	459	37.7	1.33	1.16	1.52
Central New York	1,670	359	21.5	0.60	0.52	0.69
Greater New York	1,193	363	30.4	0.96	0.83	1.10
Northeast New York	858	191	22.3	0.63	0.53	0.75
Upstate New York	681	225	33.0	1.08	0.91	1.29
Western New York	1,094	302	27.6	0.84	0.72	0.97
North Carolina	2,285	614	26.9	0.80	0.72	0.90
Ohio	557	219	39.3	1.42	1.18	1.70
Oklahoma	2,077	721	34.7	1.16	1.04	1.30
Oregon/Washington	98	15	15.3	0.40	0.23	0.69
Western Pennsylvania	1,278	381	29.8	0.93	0.81	1.07
South Carolina	2,746	1,085	39.5	1.43	1.29	1.59
South Dakota	181	45	24.9	0.72	0.51	1.02
East Tennessee	1,907	457	24.0	0.69	0.61	0.78
Middle Tennessee	762	183	24.0	0.69	0.58	0.83
West Tennessee	720	135	18.8	0.51	0.41	0.62
North Texas	859	194	22.6	0.64	0.54	0.76
South and Central Texas	814	355	43.6	1.69	1.45	1.98
Southeast Texas	80	23	28.8	0.88	0.54	1.44
West Texas	313	106	33.9	1.12	0.88	1.43
Utah	1,019	237	23.3	0.66	0.57	0.78
Virginia	2,751	770	28.0	0.85	0.76	0.95
Wisconsin	25	7	28.0	0.85	0.36	2.04
All	53,749	16,279	30.3			

*Self-reported diabetes or elevated blood sugar (KEEP guideline: >126 mg/dl fasting, >139 mg/dl non-fasting).
 Excludes participants with missing glucose levels.

Table 16.2
Hypertension*, by affiliate

	Total N	N with disease	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	281	218	77.6	1.75	1.32	2.34
Arizona	1,599	1,048	65.5	0.96	0.85	1.09
Arkansas	221	147	66.5	1.01	0.76	1.34
Northern California	475	303	63.8	0.89	0.73	1.09
Southern California	91	57	62.6	0.85	0.55	1.31
National Capital Area	89	51	57.3	0.68	0.45	1.04
Colorado/Idaho/ Montana/Wyoming	29	23	79.3	1.94	0.79	4.78
Connecticut	1,827	1,193	65.3	0.95	0.85	1.07
Delaware Valley	1,019	727	71.3	1.26	1.09	1.47
Florida	3,868	2,567	66.4	1.00		
Georgia	1,763	1,202	68.2	1.09	0.96	1.23
Hawaii	1,917	1,201	62.7	0.85	0.76	0.95
Illinois	1,384	901	65.1	0.95	0.83	1.08
Indiana	2,194	1,494	68.1	1.08	0.97	1.21
Iowa	628	444	70.7	1.22	1.02	1.47
Kansas/Western MO	153	103	67.3	1.04	0.74	1.47
Kentucky	1,313	1,008	76.8	1.68	1.45	1.94
Louisiana	2,153	1,607	74.6	1.49	1.33	1.68
Maine	766	548	71.5	1.27	1.07	1.51
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,756	1,772	64.3	0.91	0.82	1.01
Michigan	35	29	82.9	2.45	1.01	5.92
Minnesota	707	435	61.5	0.81	0.69	0.96
Mississippi	1,255	956	76.2	1.62	1.40	1.88
Eastern MO/Metro-East MO	1,971	1,455	73.8	1.43	1.27	1.61
Nebraska	882	591	67.0	1.03	0.88	1.20
New Mexico	1,225	700	57.1	0.68	0.59	0.77
Central New York	1,723	1,125	65.3	0.95	0.85	1.08
Greater New York	1,209	794	65.7	0.97	0.85	1.11
Northeast New York	891	474	53.2	0.58	0.50	0.67
Upstate New York	704	487	69.2	1.14	0.96	1.35
Western New York	1,101	759	68.9	1.13	0.97	1.30
North Carolina	2,314	1,513	65.4	0.96	0.86	1.07
Ohio	562	412	73.3	1.39	1.14	1.70
Oklahoma	2,105	1,465	69.6	1.16	1.04	1.30
Oregon/Washington	101	58	57.4	0.68	0.46	1.02
Western Pennsylvania	1,306	928	71.1	1.24	1.09	1.43
South Carolina	2,799	2,049	73.2	1.39	1.24	1.54
South Dakota	181	147	81.2	2.19	1.50	3.20
East Tennessee	2,002	1,404	70.1	1.19	1.06	1.34
Middle Tennessee	786	493	62.7	0.85	0.73	1.00
West Tennessee	747	459	61.5	0.81	0.69	0.95
North Texas	899	584	65.0	0.94	0.81	1.09
South and Central Texas	863	634	73.5	1.40	1.19	1.66
Southeast Texas	83	53	63.9	0.90	0.57	1.41
West Texas	316	222	70.3	1.20	0.93	1.54
Utah	1,041	621	59.7	0.75	0.65	0.86
Virginia	2,846	2,045	71.9	1.29	1.16	1.44
Wisconsin	25	9	36.0	0.29	0.13	0.65
All	55,205	37,515	68.0			

*Self-reported hypertension or elevated blood pressure.
Excludes participants with missing values for blood pressure.

Table 16.3

Diabetes & hypertension*, by affiliate

	Total N	N with disease	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	280	103	36.8	1.59	1.23	2.04
Arizona	1,508	356	23.6	0.84	0.73	0.97
Arkansas	216	50	23.2	0.82	0.59	1.14
Northern California	426	93	21.8	0.76	0.60	0.97
Southern California	81	7	8.6	0.26	0.12	0.56
National Capital Area	89	9	10.1	0.31	0.15	0.61
Colorado/Idaho/ Montana/Wyoming	26	8	30.8	1.21	0.53	2.79
Connecticut	1,777	410	23.1	0.82	0.72	0.93
Delaware Valley	999	317	31.7	1.27	1.09	1.47
Florida	3,684	989	26.9	1.00		
Georgia	1,581	348	22.0	0.77	0.67	0.88
Hawaii	1,835	433	23.6	0.84	0.74	0.96
Illinois	1,270	336	26.5	0.98	0.85	1.13
Indiana	2,132	511	24.0	0.86	0.76	0.97
Iowa	615	182	29.6	1.15	0.95	1.38
Kansas/Western MO	150	36	24.0	0.86	0.59	1.26
Kentucky	1,252	481	38.4	1.70	1.49	1.95
Louisiana	2,073	577	27.8	1.05	0.93	1.19
Maine	707	192	27.2	1.02	0.85	1.22
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,549	737	28.9	1.11	0.99	1.24
Michigan	32	11	34.4	1.43	0.69	2.97
Minnesota	640	172	26.9	1.00	0.83	1.21
Mississippi	1,234	379	30.7	1.21	1.05	1.39
Eastern MO/Metro-East MO	1,884	550	29.2	1.12	0.99	1.27
Nebraska	860	212	24.7	0.89	0.75	1.06
New Mexico	1,210	354	29.3	1.13	0.98	1.30
Central New York	1,657	311	18.8	0.63	0.55	0.73
Greater New York	1,133	265	23.4	0.83	0.71	0.97
Northeast New York	846	154	18.2	0.61	0.50	0.73
Upstate New York	675	196	29.0	1.12	0.93	1.34
Western New York	1,081	252	23.3	0.83	0.71	0.97
North Carolina	2,211	505	22.8	0.81	0.71	0.91
Ohio	552	193	35.0	1.47	1.21	1.77
Oklahoma	2,050	623	30.4	1.19	1.06	1.34
Oregon/Washington	97	10	10.3	0.31	0.16	0.61
Western Pennsylvania	1,267	319	25.2	0.92	0.79	1.06
South Carolina	2,611	936	35.9	1.52	1.37	1.70
South Dakota	180	40	22.2	0.78	0.54	1.12
East Tennessee	1,872	399	21.3	0.74	0.65	0.84
Middle Tennessee	753	144	19.1	0.64	0.53	0.78
West Tennessee	713	119	16.7	0.55	0.44	0.67
North Texas	845	156	18.5	0.62	0.51	0.75
South and Central Texas	810	310	38.3	1.69	1.44	1.98
Southeast Texas	79	20	25.3	0.92	0.55	1.54
West Texas	308	92	29.9	1.16	0.90	1.50
Utah	1,005	181	18.0	0.60	0.50	0.71
Virginia	2,651	665	25.1	0.91	0.81	1.02
Wisconsin	24	3	12.5	0.39	0.12	1.31
All	52,530	13,746	26.2			

*Diabetes: Self-reported diabetes or elevated blood sugar;
hypertension: self-reported hypertension or elevated blood pressure.
Excludes participants with missing values for glucose and blood pressure.

Table 16.4
Obesity*, by affiliate

	Total N	N with obesity	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	279	138	49.5	1.44	1.13	1.83
Arizona	1,567	588	37.5	0.88	0.78	1.00
Arkansas	221	87	39.4	0.95	0.72	1.26
Northern California	472	206	43.6	1.14	0.94	1.38
Southern California	89	38	42.7	1.10	0.72	1.67
National Capital Area	88	37	42.1	1.07	0.70	1.64
Colorado/Idaho/ Montana/Wyoming	28	12	42.9	1.10	0.52	2.34
Connecticut	1,764	756	42.9	1.10	0.98	1.24
Delaware Valley	1,002	487	48.6	1.39	1.21	1.60
Florida	3,842	1,556	40.5	1.00		
Georgia	1,714	797	46.5	1.28	1.14	1.43
Hawaii	1,901	598	31.5	0.67	0.60	0.76
Illinois	1,336	616	46.1	1.26	1.11	1.43
Indiana	2,178	1,043	47.9	1.35	1.21	1.50
Iowa	626	330	52.7	1.64	1.38	1.94
Kansas/Western MO	144	76	52.8	1.64	1.18	2.29
Kentucky	1,302	678	52.1	1.60	1.41	1.81
Louisiana	2,136	1,013	47.4	1.33	1.19	1.47
Maine	762	314	41.2	1.03	0.88	1.21
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,716	1,001	36.9	0.86	0.78	0.95
Michigan	35	24	68.6	3.21	1.57	6.56
Minnesota	701	360	51.4	1.55	1.32	1.82
Mississippi	1,248	616	49.4	1.43	1.26	1.63
Eastern MO/Metro-East MO	1,962	916	46.7	1.29	1.15	1.44
Nebraska	879	382	43.5	1.13	0.97	1.31
New Mexico	1,178	621	52.7	1.64	1.44	1.87
Central New York	1,702	809	47.5	1.33	1.19	1.49
Greater New York	1,195	400	33.5	0.74	0.65	0.85
Northeast New York	878	321	36.6	0.85	0.73	0.99
Upstate New York	697	369	52.9	1.65	1.41	1.94
Western New York	1,080	440	40.7	1.01	0.88	1.16
North Carolina	2,294	1,040	45.3	1.22	1.10	1.35
Ohio	558	277	49.6	1.45	1.21	1.73
Oklahoma	2,072	1,036	50.0	1.47	1.32	1.64
Oregon/Washington	101	46	45.5	1.23	0.83	1.83
Western Pennsylvania	1,298	571	44.0	1.15	1.02	1.31
South Carolina	2,769	1,396	50.4	1.49	1.35	1.65
South Dakota	181	87	48.1	1.36	1.01	1.83
East Tennessee	1,965	769	39.1	0.95	0.85	1.06
Middle Tennessee	780	352	45.1	1.21	1.04	1.41
West Tennessee	741	345	46.6	1.28	1.09	1.50
North Texas	876	381	43.5	1.13	0.98	1.31
South and Central Texas	857	432	50.4	1.49	1.29	1.73
Southeast Texas	80	42	52.5	1.62	1.04	2.53
West Texas	314	161	51.3	1.55	1.23	1.95
Utah	1,025	364	35.5	0.81	0.70	0.93
Virginia	2,808	1,323	47.1	1.31	1.19	1.44
Wisconsin	25	13	52.0	1.59	0.72	3.50
All	54,466	24,264	44.6			

*Body mass index = 30+ kg/m².
 Excludes participants with missing values for BMI.

Table 16.5

Glycemic control*, by affiliate

	Total N	N with gly. control	% with gly. control	Odds ratio	Lower limit	Upper limit
Alabama	280	219	78.2	0.80	0.60	1.08
Arizona	1,535	1,297	84.5	1.22	1.04	1.43
Arkansas	220	188	85.5	1.32	0.90	1.93
Northern California	432	378	87.5	1.57	1.16	2.11
Southern California	83	76	91.6	2.43	1.12	5.29
National Capital Area	89	83	93.3	3.09	1.35	7.11
Colorado/Idaho/ Montana/Wyoming	29	23	79.3	0.86	0.35	2.12
Connecticut	1,805	1,483	82.2	1.03	0.89	1.19
Delaware Valley	1,009	793	78.6	0.82	0.69	0.98
Florida	3,757	3,070	81.7	1.00		
Georgia	1,653	1,418	85.8	1.35	1.15	1.59
Hawaii	1,907	1,597	83.7	1.15	1.00	1.34
Illinois	1,342	1,105	82.3	1.04	0.89	1.23
Indiana	2,159	1,872	86.7	1.46	1.26	1.70
Iowa	623	512	82.2	1.03	0.83	1.29
Kansas/Western MO	150	122	81.3	0.98	0.64	1.48
Kentucky	1,261	999	79.2	0.85	0.73	1.00
Louisiana	2,127	1,770	83.2	1.11	0.96	1.28
Maine	723	630	87.1	1.52	1.20	1.91
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,633	2,207	83.8	1.16	1.02	1.32
Michigan	35	24	68.6	0.49	0.24	1.00
Minnesota	695	572	82.3	1.04	0.84	1.29
Mississippi	1,248	956	76.6	0.73	0.63	0.86
Eastern MO/Metro-East MO	1,900	1,550	81.6	0.99	0.86	1.14
Nebraska	869	729	83.9	1.17	0.96	1.42
New Mexico	1,217	903	74.2	0.64	0.55	0.75
Central New York	1,670	1,491	89.3	1.86	1.56	2.22
Greater New York	1,193	967	81.1	0.96	0.81	1.13
Northeast New York	858	757	88.2	1.68	1.34	2.10
Upstate New York	681	573	84.1	1.19	0.95	1.48
Western New York	1,094	905	82.7	1.07	0.90	1.28
North Carolina	2,285	1,906	83.4	1.13	0.98	1.29
Ohio	557	439	78.8	0.83	0.67	1.04
Oklahoma	2,077	1,623	78.1	0.80	0.70	0.91
Oregon/Washington	98	92	93.9	3.43	1.50	7.86
Western Pennsylvania	1,278	1,070	83.7	1.15	0.97	1.36
South Carolina	2,746	2,090	76.1	0.71	0.63	0.80
South Dakota	181	157	86.7	1.46	0.95	2.27
East Tennessee	1,907	1,679	88.0	1.65	1.40	1.94
Middle Tennessee	762	656	86.1	1.39	1.11	1.73
West Tennessee	720	645	89.6	1.92	1.49	2.48
North Texas	859	758	88.2	1.68	1.34	2.10
South and Central Texas	814	625	76.8	0.74	0.62	0.89
Southeast Texas	80	72	90.0	2.01	0.97	4.20
West Texas	313	249	79.6	0.87	0.65	1.16
Utah	1,019	930	91.3	2.34	1.85	2.95
Virginia	2,751	2,321	84.4	1.21	1.06	1.38
Wisconsin	25	18	72.0	0.58	0.24	1.38
All	53,749	44,599	83.0			

*Fasting: ≤ 126 mg/dl; non-fasting, ≤ 139 mg/dl.
Excludes participants with missing values for glucose.

Table 16.6

Blood pressure control*, by affiliate

	Total N	N with BP control	% with BP control	Odds ratio	Lower limit	Upper limit
Alabama	281	127	45.2	0.83	0.65	1.05
Arizona	1,590	870	54.7	1.21	1.08	1.36
Arkansas	221	106	48.0	0.92	0.70	1.21
Northern California	474	227	47.9	0.92	0.76	1.11
Southern California	90	31	34.4	0.53	0.34	0.82
National Capital Area	89	41	46.1	0.86	0.56	1.30
Colorado/Idaho/ Montana/Wyoming	26	9	34.6	0.53	0.24	1.19
Connecticut	1,820	912	50.1	1.01	0.90	1.12
Delaware Valley	1,017	550	54.1	1.18	1.03	1.35
Florida	3,797	1,898	50.0	1.00		
Georgia	1,677	795	47.4	0.90	0.80	1.01
Hawaii	1,852	994	53.7	1.16	1.04	1.30
Illinois	1,338	671	50.2	1.01	0.89	1.14
Indiana	2,188	1,102	50.4	1.02	0.91	1.13
Iowa	624	291	46.6	0.87	0.74	1.04
Kansas/Western MO	152	77	50.7	1.03	0.74	1.42
Kentucky	1,311	666	50.8	1.03	0.91	1.17
Louisiana	2,111	962	45.6	0.84	0.75	0.93
Maine	764	408	53.4	1.15	0.98	1.34
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,694	1,682	62.4	1.66	1.50	1.84
Michigan	35	12	34.3	0.52	0.26	1.05
Minnesota	652	367	56.3	1.29	1.09	1.52
Mississippi	1,253	526	42.0	0.72	0.64	0.82
Eastern MO/Metro-East MO	1,965	1,007	51.3	1.05	0.94	1.17
Nebraska	875	475	54.3	1.19	1.03	1.38
New Mexico	1,221	693	56.8	1.31	1.15	1.50
Central New York	1,715	882	51.4	1.06	0.95	1.19
Greater New York	1,155	637	55.2	1.23	1.08	1.40
Northeast New York	890	527	59.2	1.45	1.25	1.68
Upstate New York	700	343	49.0	0.96	0.82	1.13
Western New York	1,093	636	58.2	1.39	1.22	1.60
North Carolina	2,266	1,250	55.2	1.23	1.11	1.37
Ohio	560	251	44.8	0.81	0.68	0.97
Oklahoma	2,078	1,139	54.8	1.21	1.09	1.35
Oregon/Washington	99	48	48.5	0.94	0.63	1.40
Western Pennsylvania	1,299	692	53.3	1.14	1.01	1.29
South Carolina	2,686	1,225	45.6	0.84	0.76	0.93
South Dakota	181	61	33.7	0.51	0.37	0.70
East Tennessee	1,983	953	48.1	0.93	0.83	1.03
Middle Tennessee	782	427	54.6	1.20	1.03	1.40
West Tennessee	746	351	47.1	0.89	0.76	1.04
North Texas	888	434	48.9	0.96	0.83	1.11
South and Central Texas	863	432	50.1	1.00	0.87	1.16
Southeast Texas	82	37	45.1	0.82	0.53	1.28
West Texas	315	178	56.5	1.30	1.03	1.64
Utah	1,033	577	55.9	1.27	1.10	1.45
Virginia	2,764	1,392	50.4	1.02	0.92	1.12
Wisconsin	25	19	76.0	3.16	1.26	7.92
All	54,320	27,990	51.5			

*Within JNC 7 standards: systolic <120 mmHg, diastolic <80 mmHg.
Excludes participants with missing values for blood pressure.

Table 16.7

Microalbuminuria, by affiliate

	Total N	N with disease	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	281	135	48.0	1.10	0.86	1.40
Arizona	1,600	584	36.5	0.68	0.61	0.77
Arkansas	221	87	39.4	0.77	0.59	1.02
Northern California	475	173	36.4	0.68	0.56	0.83
Southern California	91	50	55.0	1.45	0.96	2.20
National Capital Area	89	31	34.8	0.64	0.41	0.99
Colorado/Idaho/ Montana/Wyoming	29	11	37.9	0.73	0.34	1.54
Connecticut	1,827	873	47.8	1.09	0.97	1.22
Delaware Valley	1,019	494	48.5	1.12	0.97	1.28
Florida	3,870	1,768	45.7	1.00		
Georgia	1,766	926	52.4	1.31	1.17	1.47
Hawaii	1,917	875	45.6	1.00	0.89	1.11
Illinois	1,386	692	49.9	1.19	1.05	1.34
Indiana	2,194	1,012	46.1	1.02	0.92	1.13
Iowa	628	263	41.9	0.86	0.72	1.02
Kansas/Western MO	153	63	41.2	0.83	0.60	1.16
Kentucky	1,313	546	41.6	0.85	0.75	0.96
Louisiana	2,153	1,140	53.0	1.34	1.20	1.49
Maine	766	250	32.6	0.58	0.49	0.68
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,756	1,091	39.6	0.78	0.71	0.86
Michigan	35	6	17.1	0.25	0.10	0.59
Minnesota	707	243	34.4	0.62	0.53	0.74
Mississippi	1,255	623	49.6	1.17	1.03	1.33
Eastern MO/Metro-East MO	1,971	783	39.7	0.78	0.70	0.88
Nebraska	883	329	37.3	0.71	0.61	0.82
New Mexico	1,225	634	51.8	1.28	1.12	1.45
Central New York	1,724	943	54.7	1.44	1.28	1.61
Greater New York	1,209	575	47.6	1.08	0.95	1.23
Northeast New York	891	323	36.3	0.68	0.58	0.79
Upstate New York	704	321	45.6	1.00	0.85	1.17
Western New York	1,101	505	45.9	1.01	0.88	1.15
North Carolina	2,315	965	41.7	0.85	0.77	0.94
Ohio	562	247	44.0	0.93	0.78	1.11
Oklahoma	2,105	862	41.0	0.82	0.74	0.92
Oregon/Washington	101	27	26.7	0.43	0.28	0.68
Western Pennsylvania	1,306	596	45.6	1.00	0.88	1.13
South Carolina	2,801	1,277	45.6	1.00	0.90	1.10
South Dakota	181	56	30.9	0.53	0.39	0.74
East Tennessee	2,002	799	39.9	0.79	0.71	0.88
Middle Tennessee	786	392	49.9	1.18	1.02	1.38
West Tennessee	747	366	49.0	1.14	0.98	1.34
North Texas	899	491	54.6	1.43	1.24	1.66
South and Central Texas	863	275	31.9	0.56	0.48	0.65
Southeast Texas	83	17	20.5	0.31	0.18	0.52
West Texas	316	122	38.6	0.75	0.59	0.95
Utah	1,041	374	35.9	0.67	0.58	0.77
Virginia	2,848	1,202	42.2	0.87	0.79	0.96
Wisconsin	25	16	64.0	2.11	0.93	4.80
All	55,220	24,433	44.3			

"All" includes participants with missing or unknown values for data fields.

Table 16.8

Albumin/creatinine ratio >30 mg/g, by affiliate

	Total N	N with disease	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	278	40	14.4	1.20	0.84	1.71
Arizona	1,290	127	9.8	0.78	0.63	0.97
Arkansas	219	20	9.1	0.72	0.45	1.15
Northern California	303	31	10.2	0.82	0.55	1.20
Southern California	1	0	0.0	.	.	.
National Capital Area	89	7	7.9	0.61	0.28	1.33
Colorado/Idaho/ Montana/Wyoming	29	2	6.9	0.53	0.13	2.24
Connecticut	1,471	162	11.0	0.89	0.72	1.08
Delaware Valley	904	145	16.0	1.37	1.11	1.69
Florida	2,689	330	12.3	1.00		
Georgia	981	145	14.8	1.24	1.00	1.53
Hawaii	1,483	217	14.6	1.23	1.02	1.47
Illinois	1,302	163	12.5	1.02	0.84	1.25
Indiana	2,097	254	12.1	0.99	0.83	1.17
Iowa	444	37	8.3	0.65	0.46	0.93
Kansas/Western MO	152	15	9.9	0.78	0.45	1.35
Kentucky	1,043	107	10.3	0.82	0.65	1.03
Louisiana	1,868	241	12.9	1.06	0.89	1.27
Maine	496	40	8.1	0.63	0.45	0.88
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,141	262	12.2	1.00	0.84	1.19
Michigan	0	0	0.0	.	.	.
Minnesota	659	62	9.4	0.74	0.56	0.99
Mississippi	1,011	144	14.2	1.19	0.96	1.47
Eastern MO/Metro-East MO	1,432	159	11.1	0.89	0.73	1.09
Nebraska	675	94	13.9	1.16	0.90	1.48
New Mexico	1,206	213	17.7	1.53	1.27	1.85
Central New York	1,521	167	11.0	0.88	0.72	1.07
Greater New York	1,192	151	12.7	1.04	0.84	1.27
Northeast New York	849	77	9.1	0.71	0.55	0.93
Upstate New York	493	76	15.4	1.30	0.99	1.71
Western New York	1,031	121	11.7	0.95	0.76	1.19
North Carolina	1,825	186	10.2	0.81	0.67	0.98
Ohio	559	78	14.0	1.16	0.89	1.51
Oklahoma	1,627	251	15.4	1.30	1.09	1.56
Oregon/Washington	88	5	5.7	0.43	0.17	1.07
Western Pennsylvania	1,290	215	16.7	1.43	1.19	1.72
South Carolina	2,345	262	11.2	0.90	0.76	1.07
South Dakota	180	34	18.9	1.67	1.13	2.46
East Tennessee	1,954	161	8.2	0.64	0.53	0.78
Middle Tennessee	664	63	9.5	0.75	0.56	1.00
West Tennessee	651	65	10.0	0.79	0.60	1.05
North Texas	879	95	10.8	0.87	0.68	1.10
South and Central Texas	564	81	14.4	1.20	0.92	1.56
Southeast Texas	83	3	3.6	0.27	0.08	0.85
West Texas	189	22	11.6	0.94	0.60	1.49
Utah	986	56	5.7	0.43	0.32	0.58
Virginia	2,312	206	8.9	0.70	0.58	0.84
Wisconsin	25	3	12.0	0.98	0.29	3.28
All	45,570	5395	11.8			

"All" includes participants with missing or unknown values for data fields.

Table 16.9

eGFR <60 ml/min/1.73 m², by affiliate

	Total N	N with eGFR	% with eGFR	Odds ratio	Lower limit	Upper limit
Alabama	272	58	21.3	1.13	0.84	1.53
Arizona	1,461	443	30.3	1.81	1.58	2.08
Arkansas	218	60	27.5	1.58	1.16	2.15
Northern California	453	34	7.5	0.34	0.24	0.48
Southern California	82	6	7.3	0.33	0.14	0.76
National Capital Area	88	13	14.8	0.72	0.40	1.31
Colorado/Idaho/ Montana/Wyoming	28	7	25.0	1.39	0.59	3.28
Connecticut	1,742	239	13.7	0.66	0.57	0.78
Delaware Valley	989	224	22.7	1.22	1.03	1.44
Florida	3,727	722	19.4	1.00		
Georgia	1,671	260	15.6	0.77	0.66	0.90
Hawaii	1,911	314	16.4	0.82	0.71	0.95
Illinois	1,331	226	17.0	0.85	0.72	1.00
Indiana	2,141	358	16.7	0.84	0.73	0.96
Iowa	619	103	16.6	0.83	0.66	1.04
Kansas/Western MO	150	19	12.7	0.60	0.37	0.98
Kentucky	1,271	229	18.0	0.92	0.78	1.08
Louisiana	2,096	290	13.8	0.67	0.58	0.78
Maine	755	207	27.4	1.57	1.31	1.88
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,585	656	25.4	1.42	1.26	1.60
Michigan	35	4	11.4	0.54	0.19	1.53
Minnesota	695	134	19.3	0.99	0.81	1.22
Mississippi	1,229	186	15.1	0.74	0.62	0.89
Eastern MO/Metro-East MO	1,896	415	21.9	1.17	1.02	1.34
Nebraska	835	108	12.9	0.62	0.50	0.77
New Mexico	1,175	87	7.4	0.33	0.26	0.42
Central New York	1,515	205	13.5	0.65	0.55	0.77
Greater New York	1,185	170	14.4	0.70	0.58	0.84
Northeast New York	862	81	9.4	0.43	0.34	0.55
Upstate New York	676	124	18.3	0.94	0.76	1.16
Western New York	1,061	240	22.6	1.22	1.03	1.44
North Carolina	2,252	328	14.6	0.71	0.62	0.82
Ohio	544	87	16.0	0.79	0.62	1.01
Oklahoma	1,939	333	17.2	0.86	0.75	1.00
Oregon/Washington	98	24	24.5	1.35	0.85	2.15
Western Pennsylvania	1,272	271	21.3	1.13	0.96	1.32
South Carolina	2,678	553	20.7	1.08	0.96	1.23
South Dakota	180	39	21.7	1.15	0.80	1.66
East Tennessee	1,893	250	13.2	0.63	0.54	0.74
Middle Tennessee	756	180	23.8	1.30	1.08	1.57
West Tennessee	703	54	7.7	0.35	0.26	0.46
North Texas	836	173	20.7	1.09	0.90	1.31
South and Central Texas	848	168	19.8	1.03	0.85	1.24
Southeast Texas	80	3	3.8	0.16	0.05	0.52
West Texas	312	56	18.0	0.91	0.67	1.23
Utah	986	190	19.3	0.99	0.83	1.19
Virginia	2,737	533	19.5	1.01	0.89	1.14
Wisconsin	22	1	4.6	0.20	0.03	1.48
All	52,890	9,465	17.9			

Excludes participants with missing values for eGFR.

Table 16.10
Anemia (WHO definition*), by affiliate

	Total N	N with disease	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	266	49	18.4	1.72	1.24	2.38
Arizona	1,455	103	7.1	0.58	0.46	0.72
Arkansas	215	18	8.4	0.69	0.42	1.14
Northern California	453	54	11.9	1.03	0.76	1.39
Southern California	81	16	19.8	1.87	1.07	3.26
National Capital Area	89	13	14.6	1.30	0.72	2.36
Colorado/Idaho/ Montana/Wyoming	28	0	0.0	.	.	.
Connecticut	1,738	205	11.8	1.02	0.85	1.21
Delaware Valley	984	145	14.7	1.31	1.07	1.61
Florida	3,704	431	11.6	1.00		
Georgia	1,651	250	15.1	1.36	1.15	1.60
Hawaii	1,907	156	8.2	0.68	0.56	0.82
Illinois	1,327	158	11.9	1.03	0.85	1.25
Indiana	2,134	246	11.5	0.99	0.84	1.17
Iowa	518	60	11.6	1.00	0.75	1.33
Kansas/Western MO	151	15	9.9	0.84	0.49	1.44
Kentucky	1,273	149	11.7	1.01	0.83	1.23
Louisiana	2,092	395	18.9	1.77	1.52	2.05
Maine	751	61	8.1	0.67	0.51	0.89
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,548	288	11.3	0.97	0.83	1.13
Michigan	35	8	22.9	2.25	1.02	4.98
Minnesota	693	63	9.1	0.76	0.58	1.00
Mississippi	1,222	207	16.9	1.55	1.29	1.85
Eastern MO/Metro-East MO	1,889	226	12.0	1.03	0.87	1.23
Nebraska	837	76	9.1	0.76	0.59	0.98
New Mexico	1,162	53	4.6	0.36	0.27	0.49
Central New York	1,490	177	11.9	1.02	0.85	1.23
Greater New York	1,182	147	12.4	1.08	0.88	1.32
Northeast New York	848	72	8.5	0.71	0.54	0.92
Upstate New York	675	106	15.7	1.42	1.12	1.78
Western New York	1,056	147	13.9	1.23	1.00	1.50
North Carolina	2,255	301	13.4	1.17	1.00	1.37
Ohio	539	50	9.3	0.78	0.57	1.06
Oklahoma	1,853	207	11.2	0.96	0.80	1.14
Oregon/Washington	98	5	5.1	0.41	0.17	1.01
Western Pennsylvania	1,254	139	11.1	0.95	0.77	1.16
South Carolina	2,639	419	15.9	1.43	1.24	1.66
South Dakota	180	7	3.9	0.31	0.14	0.66
East Tennessee	1,881	174	9.3	0.77	0.64	0.93
Middle Tennessee	752	90	12.0	1.03	0.81	1.32
West Tennessee	687	110	16.0	1.45	1.15	1.82
North Texas	825	101	12.2	1.06	0.84	1.34
South and Central Texas	841	74	8.8	0.73	0.57	0.95
Southeast Texas	80	7	8.8	0.73	0.33	1.59
West Texas	308	17	5.5	0.44	0.27	0.73
Utah	970	54	5.6	0.45	0.33	0.60
Virginia	2,679	320	11.9	1.03	0.88	1.20
Wisconsin	22	6	27.3	2.85	1.11	7.32
All	52,317	6,175	11.8			

*Males: hemoglobin <13g/dl; females: hemoglobin < 12g/dl.
 Excludes participants with missing values for hemoglobin.

Table 16.11
Anemia (K/DOQI definition*), by affiliate

	Total N	N with disease	% with disease	Odds ratio	Lower limit	Upper limit
Alabama	266	32	12.0	2.06	1.39	3.05
Arizona	1,458	59	4.1	0.63	0.47	0.85
Arkansas	215	9	4.2	0.66	0.33	1.30
Northern California	455	29	6.4	1.02	0.69	1.53
Southern California	81	8	9.9	1.65	0.79	3.46
National Capital Area	89	5	5.6	0.90	0.36	2.23
Colorado/Idaho/ Montana/Wyoming	29	0	0.0	.	.	.
Connecticut	1,738	115	6.6	1.07	0.85	1.34
Delaware Valley	987	91	9.2	1.53	1.19	1.97
Florida	3,704	231	6.2	1.00		
Georgia	1,653	131	7.9	1.29	1.04	1.62
Hawaii	1,907	98	5.1	0.81	0.64	1.04
Illinois	1,329	112	8.4	1.38	1.09	1.75
Indiana	2,137	156	7.3	1.18	0.96	1.46
Iowa	518	37	7.1	1.16	0.81	1.66
Kansas/Western MO	151	8	5.3	0.84	0.41	1.74
Kentucky	1,273	107	8.4	1.38	1.09	1.75
Louisiana	2,093	242	11.6	1.97	1.63	2.37
Maine	751	43	5.7	0.91	0.65	1.28
Massachusetts/Rhode Island/ New Hampshire/Vermont	2,555	168	6.6	1.06	0.86	1.30
Michigan	35	4	11.4	1.94	0.68	5.54
Minnesota	694	32	4.6	0.73	0.50	1.06
Mississippi	1,222	152	12.4	2.14	1.72	2.65
Eastern MO/Metro-East MO	1,890	155	8.2	1.34	1.09	1.66
Nebraska	837	47	5.6	0.89	0.65	1.24
New Mexico	1,166	32	2.7	0.42	0.29	0.62
Central New York	1,491	96	6.4	1.04	0.81	1.32
Greater New York	1,184	90	7.6	1.24	0.96	1.59
Northeast New York	849	39	4.6	0.72	0.51	1.03
Upstate New York	675	64	9.5	1.58	1.18	2.10
Western New York	1,058	101	9.6	1.59	1.24	2.03
North Carolina	2,256	183	8.1	1.33	1.09	1.62
Ohio	540	31	5.7	0.92	0.62	1.35
Oklahoma	1,853	135	7.3	1.18	0.95	1.47
Oregon/Washington	98	1	1.0	0.16	0.02	1.12
Western Pennsylvania	1,255	85	6.8	1.09	0.84	1.41
South Carolina	2,649	276	10.4	1.75	1.46	2.10
South Dakota	180	5	2.8	0.43	0.18	1.06
East Tennessee	1,883	101	5.4	0.85	0.67	1.08
Middle Tennessee	753	43	5.7	0.91	0.65	1.27
West Tennessee	687	63	9.2	1.52	1.13	2.03
North Texas	826	50	6.1	0.97	0.71	1.33
South and Central Texas	843	47	5.6	0.89	0.64	1.23
Southeast Texas	80	5	6.3	1.00	0.40	2.50
West Texas	309	9	2.9	0.45	0.23	0.89
Utah	975	34	3.5	0.54	0.38	0.78
Virginia	2,684	185	6.9	1.11	0.91	1.36
Wisconsin	22	2	9.1	1.50	0.35	6.47
All	52,383	3,748	7.2			

*Males: hemoglobin < 12g/dl; women & age > 50: < 12 g/dl; women & age ≤ 50: < 11g/dl.
 Excludes participants with missing values for hemoglobin.