

Appendix 1a. Demographics: Stratification with Column Percents (strata as percent of cohort)

	Total adult population		Adults with 3+ chronic diseases and NO functional limitations		High-need adults Adults with 3+ chronic diseases and ANY functional limitations	
	Weighted cell counts	Percent population	Weighted cell counts	Percent population	Weighted cell counts	Percent population
Total	231,676,506	100.00%	79,048,315	34%	11,842,113	5%
Gender						
Male	111,946,584	48%	32,821,759	42%	4,353,620	37%
Female	119,729,922	52%	46,226,555	58%	7,488,493	63%
Age						
18-64	191,467,134	83%	54,286,820	69%	5,339,379	45%
18-49	131,667,786	57%	26,268,381	33%	2,263,402	19%
50-64	59,799,348	26%	28,018,439	35%	3,075,977	26%
65+	40,209,372	17%	24,761,495	31%	6,502,734	55%
65-74	21,992,662	9%	14,186,326	18%	1,978,588	17%
75+	18,216,710	8%	10,575,169	13%	4,524,146	38%
Race/Ethnicity						
White non-Hispanic	156,265,532	67%	61,088,910	77%	8,543,089	72%
Black non-Hispanic	26,590,706	11%	7,106,203	9%	1,610,149	14%
Hispanic	33,029,104	14%	6,938,904	9%	1,099,758	9%
Asian non-Hispanic	11,146,985	5%	2,321,056	3%	303,885	3%
Other non-Hispanic	4,644,179	2%	1,593,242	2%	285,232	2%
Income						
<100% FPL	28,874,497	12%	8,509,223	11%	2,763,591	23%
100% FPL to <200% FPL	41,363,378	18%	13,012,516	16%	3,480,123	29%
200% FPL to <400% FPL	70,419,575	30%	23,140,379	29%	3,180,775	27%
≥400% FPL	90,889,688	39%	34,327,434	43%	2,416,204	20%
Education						
Less than high school	37,256,417	16%	10,915,530	14%	3,296,156	28%
Completed high school	67,317,742	29%	22,955,984	29%	4,280,087	36%
Some college	58,447,369	25%	20,919,527	26%	2,300,344	19%
Completed college or higher	67,073,360	29%	24,013,249	30%	1,854,515	16%
Payer †						
Medicare+Medicaid	6,331,700	3%	2,742,014	3%	2,322,517	20%
Medicare	39,297,280	17%	24,897,242	31%	5,917,405	50%
Medicaid	17,978,791	8%	5,223,495	7%	1,505,534	13%
Private only	129,870,941	56%	39,630,880	50%	1,490,680	13%
Other	2,859,773	1%	1,019,427	1%	98,443	1%
Uninsured	35,338,021	15%	5,535,256	7%	507,534	4%
Census region						
Northeast	42,700,724	18%	14,854,085	19%	2,183,787	18%
Midwest	50,275,025	22%	18,591,764	24%	2,524,779	21%
South	85,058,522	37%	28,408,649	36%	4,530,907	38%
West	53,642,234	23%	17,193,817	22%	2,602,640	22%
Total N with two years of data	143,100,280		53,125,382		7,461,810	
Expenditure in percentile bracket for one year out of those with two years of data						
Among top 25%	30,080,705	21%	16,682,949	31%	1,868,089	25%
Among top 10%	16,805,523	12%	10,437,839	20%	2,373,277	32%
Among top 5%	9,397,914	7%	5,763,601	11%	2,045,115	27%
Expenditure in percentile bracket for two years out of those with two years of data						
Among top 25%	20,764,027	15%	14,482,690	27%	4,320,636	58%
Among top 10%	5,954,266	4%	3,409,058	6%	2,175,392	29%
Among top 5%	2,413,555	2%	1,183,739	2%	1,136,559	15%
	Amount	Ratio (spending to Income or wages)	Amount	Ratio (spending to Income or wages)	Amount	Ratio (spending to Income or wages)
Average annual household income	\$67,673	0.07	\$67,574	0.11	\$40,214	0.52
Median annual household income	\$52,685	0.09	\$52,499	0.14	\$25,668	0.82
Average annual individual income	\$34,183	0.14	\$36,411	0.21	\$19,990	1.05
Median annual individual income	\$24,750	0.20	\$27,182	0.28	\$12,782	1.64
Average annual individual wages	\$27,659	0.18	\$25,623	0.29	\$5,837	3.60
Median annual individual wages	\$17,996	0.27	\$12,998	0.58	\$0	
Average yearly spending	\$4,844.59		\$7,525.68		\$21,021.00	
Total spending	\$1,122,378,159,603		\$594,892,210,506		\$248,933,057,373	
Percent spending			53%		22%	

Notes:

Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 1b. Demographics: Stratification with Row Percents (cohort as percent of total population)

		Total adult population		Adults with 3+ chronic diseases and NO functional limitations		High-need adults Adults with 3+ chronic diseases and ANY functional limitations	
		Weighted cell counts	Percent population	Weighted cell counts	Percent population	Weighted cell counts	Percent population
Total		231,676,506	100.00%	79,048,315	34%	11,842,113	5%
Gender							
	Male	111,946,584	48%	32,821,759	29%	4,353,620	4%
	Female	119,729,922	52%	46,226,555	39%	7,488,493	6%
Age							
	18-64	191,467,134	83%	54,286,820	28%	5,339,379	3%
	18-49	131,667,786	57%	26,268,381	20%	2,263,402	2%
	50-64	59,799,348	26%	28,018,439	47%	3,075,977	5%
	65+	40,209,372	17%	24,761,495	62%	6,502,734	16%
	65-74	21,992,662	9%	14,186,326	65%	1,978,588	9%
	75+	18,216,710	8%	10,575,169	58%	4,524,146	25%
Race/Ethnicity							
	White non-Hispanic	156,265,532	67%	61,088,910	39%	8,543,089	5%
	Black non-Hispanic	26,590,706	11%	7,106,203	27%	1,610,149	6%
	Hispanic	33,029,104	14%	6,938,904	21%	1,099,758	3%
	Asian non-Hispanic	11,146,985	5%	2,321,056	21%	303,885	3%
	Other non-Hispanic	4,644,179	2%	1,593,242	34%	285,232	6%
Income							
	<100% FPL	28,874,497	12%	8,509,223	29%	2,763,591	10%
	100% FPL to <200% FPL	41,363,378	18%	13,012,516	31%	3,480,123	8%
	200% FPL to <400% FPL	70,419,575	30%	23,140,379	33%	3,180,775	5%
	≥400% FPL	90,889,688	39%	34,327,434	38%	2,416,204	3%
Education							
	Less than high school	37,256,417	16%	10,915,530	29%	3,296,156	9%
	Completed high school	67,317,742	29%	22,955,984	34%	4,280,087	6%
	Some college	58,447,369	25%	20,919,527	36%	2,300,344	4%
	Completed college or higher	67,073,360	29%	24,013,249	36%	1,854,515	3%
Payer †							
	Medicare+Medicaid	6,331,700	3%	2,742,014	43%	2,322,517	37%
	Medicare	39,297,280	17%	24,897,242	63%	5,917,405	15%
	Medicaid	17,978,791	8%	5,223,495	29%	1,505,534	8%
	Private only	129,870,941	56%	39,630,880	31%	1,490,680	1%
	Other	2,859,773	1%	1,019,427	36%	98,443	3%
	Uninsured	35,338,021	15%	5,535,256	16%	507,534	1%
Census region							
	Northeast	42,700,724	18%	14,854,085	35%	2,183,787	5%
	Midwest	50,275,025	22%	18,591,764	37%	2,524,779	5%
	South	85,058,522	37%	28,408,649	33%	4,530,907	5%
	West	53,642,234	23%	17,193,817	32%	2,602,640	5%
Total N with two years of data		143,100,280		53,125,382		7,461,810	
Expenditure in percentile bracket for one year out of those with two years of data							
	Among top 25%	30,080,705	21%	16,682,949	55%	1,868,089	6%
	Among top 10%	16,805,523	12%	10,437,839	62%	2,373,277	14%
	Among top 5%	9,397,914	7%	5,763,601	61%	2,045,115	22%
Expenditure in percentile bracket for two years out of those with two years of data							
	Among top 25%	20,764,027	15%	14,482,690	70%	4,320,636	21%
	Among top 10%	5,954,266	4%	3,409,058	57%	2,175,392	37%
	Among top 5%	2,413,555	2%	1,183,739	49%	1,136,559	47%
		Amount	Ratio (spending to Income or wages)	Amount	Ratio (spending to Income or wages)	Amount	Ratio (spending to Income or wages)
Average annual household income		\$67,673	0.07	\$67,574	0.11	\$40,214	0.52
Median annual household income		\$52,685	0.09	\$52,499	0.14	\$25,668	0.82
Average annual individual income		\$34,183	0.14	\$36,411	0.21	\$19,990	1.05
Median annual individual income		\$24,750	0.20	\$27,182	0.28	\$12,782	1.64
Average annual individual wages		\$27,659	0.18	\$25,623	0.29	\$5,837	3.60
Median annual individual wages		\$17,996	0.27	\$12,998	0.58	\$0	
Average yearly spending		\$4,844.59		\$7,525.68		\$21,021.00	
Total spending		\$1,122,378,159,603		\$594,892,210,506		\$248,933,057,373	
Percent spending				53%		22%	

Notes:

Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 2. Emergency Department Visits per 1,000 Adults

	Total adult population		Adults with 3+ chronic diseases and NO functional limitations		High-need adults Adults with 3+ chronic diseases and ANY functional limitations	
	Weighted cell counts	ED visits per 1,000 adults	Weighted cell counts	ED visits per 1,000 adults	Weighted cell counts	ED visits per 1,000 adults
Total	231,676,506	183	79,048,315	248	11,842,113	619
Gender						
Male	111,946,584	158	32,821,759	239	4,353,620	573
Female	119,729,922	207	46,226,555	254	7,488,493	646
Age						
18-64	191,467,134	173	54,286,820	268	5,339,379	721
18-49	131,667,786	175	26,268,381	329	2,263,402	785
50-64	59,799,348	170	28,018,439	212	3,075,977	674
65+	40,209,372	232	24,761,495	294	6,502,734	535
65-74	21,992,662	189	14,186,326	179	1,978,588	594
75+	18,216,710	285	10,575,169	236	4,524,146	510
Race/Ethnicity						
White non-Hispanic	156,265,532	184	61,088,910	229	8,543,089	626
Black non-Hispanic	26,590,706	253	7,106,203	407	1,610,149	610
Hispanic	33,029,104	154	6,938,904	289	1,099,758	600
Asian non-Hispanic	11,146,985	73	2,321,056	121	303,885	368
Other non-Hispanic	4,644,179	228	1,593,242	288	285,232	805
Income						
<100% FPL	28,874,497	326	8,509,223	460	2,763,591	773
100% FPL to <200% FPL	41,363,378	231	13,012,516	322	3,480,123	537
200% FPL to <400% FPL	70,419,575	171	23,140,379	243	3,180,775	590
≥400% FPL	90,889,688	125	34,327,434	171	2,416,204	601
Education						
< High school	37,256,417	255	10,915,530	336	3,296,156	691
Completed high school	67,317,742	209	22,955,984	279	4,280,087	583
Some college	58,447,369	183	20,919,527	262	2,300,344	619
Completed college or higher	67,073,360	120	24,013,249	167	1,854,515	584
Payer †						
Medicare+Medicaid	6,331,700	404	2,742,014	320	2,322,517	616
Medicare	39,297,280	240	24,897,242	217	5,917,405	538
Medicaid	17,978,791	393	5,223,495	552	1,505,534	890
Private only	129,870,941	130	39,630,880	204	1,490,680	567
Other	2,859,773	305	1,019,427	477	98,443	1379
Uninsured	35,338,021	160	5,535,256	338	507,534	784
Census region						
Northeast	42,700,724	191	14,854,085	259	2,183,787	608
Midwest	50,275,025	212	18,591,764	272	2,524,779	704
South	85,058,522	184	28,408,649	252	4,530,907	586
West	53,642,234	149	17,193,817	206	2,602,640	605

Notes:

Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 3. Inpatient Hospital Discharges per 1,000 Adults

	Total adult population		Adults with 3+ chronic diseases and NO functional limitations		High-need adults Adults with 3+ chronic diseases and ANY functional limitations	
	Weighted cell counts	Inpatient hospital discharges per 1,000 adults	Weighted cell counts	Inpatient hospital discharges per 1,000 adults	Weighted cell counts	Inpatient hospital discharges per 1,000 adults
Total	231,676,506	107	79,048,315	147	11,842,113	535
Gender						
Male	111,946,584	85	32,821,759	151	4,353,620	577
Female	119,729,922	129	46,226,555	144	7,488,493	510
Age						
18-64	191,467,134	82	54,286,820	128	5,339,379	526
18-49	131,667,786	70	26,268,381	121	2,263,402	464
50-64	59,799,348	109	28,018,439	134	3,075,977	572
65+	40,209,372	226	24,761,495	189	6,502,734	541
65-74	21,992,662	186	14,186,326	176	1,978,588	574
75+	18,216,710	275	10,575,169	206	4,524,146	527
Race/Ethnicity						
White non-Hispanic	156,265,532	114	61,088,910	146	8,543,089	555
Black non-Hispanic	26,590,706	125	7,106,203	193	1,610,149	544
Hispanic	33,029,104	78	6,938,904	132	1,099,758	423
Asian non-Hispanic	11,146,985	60	2,321,056	89	303,885	398
Other non-Hispanic	4,644,179	99	1,593,242	140	285,232	435
Income						
<100% FPL	28,874,497	163	8,509,223	213	2,763,591	520
100% FPL to <200% FPL	41,363,378	133	13,012,516	184	3,480,123	470
200% FPL to <400% FPL	70,419,575	101	23,140,379	147	3,180,775	572
≥400% FPL	90,889,688	83	34,327,434	117	2,416,204	595
Education						
Less than high school	37,256,417	136	10,915,530	180	3,296,156	564
Completed high school	67,317,742	119	22,955,984	162	4,280,087	514
Some college	58,447,369	100	20,919,527	148	2,300,344	523
Completed college or higher	67,073,360	86	24,013,249	117	1,854,515	538
Payer †						
Medicare+Medicaid	6,331,700	309	2,742,014	239	2,322,517	510
Medicare	39,297,280	226	24,897,242	191	5,917,405	543
Medicaid	17,978,791	204	5,223,495	241	1,505,534	583
Private only	129,870,941	66	39,630,880	107	1,490,680	515
Other	2,859,773	134	1,019,427	195	98,443	569
Uninsured	35,338,021	41	5,535,256	97	507,534	461
Census region						
Northeast	42,700,724	100	14,854,085	132	2,183,787	485
Midwest	50,275,025	122	18,591,764	168	2,524,779	577
South	85,058,522	115	28,408,649	158	4,530,907	579
West	53,642,234	88	17,193,817	121	2,602,640	458

Notes:

Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 4. Average Number of Office Visits per Person per Year

	Total adult population		Adults with 3+ chronic diseases and NO functional limitations		High-need adults Adults with 3+ chronic diseases and ANY functional limitations	
	Weighted cell counts	Average number of office visits per person per year	Weighted cell counts	Average number of office visits per person per year	Weighted cell counts	Average number of office visits per person per year
Total	231,676,506	3.6	79,048,315	6.2	11,842,113	9.6
Gender						
Male	111,946,584	2.9	32,821,759	5.9	4,353,620	9.3
Female	119,729,922	4.2	46,226,555	6.5	7,488,493	9.8
Age						
18-64	191,467,134	2.9	54,286,820	5.4	5,339,379	10.4
18-49	131,667,786	2.3	26,268,381	5.0	2,263,402	9.7
50-64	59,799,348	4.2	28,018,439	5.9	3,075,977	10.9
65+	40,209,372	7.0	24,761,495	8.0	6,502,734	8.9
65-74	21,992,662	6.4	14,186,326	7.5	1,978,588	10.2
75+	18,216,710	7.6	10,575,169	8.6	4,524,146	8.3
Race/Ethnicity						
White non-Hispanic	156,265,532	4.1	61,088,910	6.5	8,543,089	9.6
Black non-Hispanic	26,590,706	3.0	7,106,203	5.8	1,610,149	9.2
Hispanic	33,029,104	2.3	6,938,904	5.1	1,099,758	9.9
Asian non-Hispanic	11,146,985	2.3	2,321,056	5.0	303,885	7.8
Other non-Hispanic	4,644,179	3.3	1,593,242	5.6	285,232	9.9
Income						
<100% FPL	28,874,497	3.5	8,509,223	6.0	2,763,591	9.8
100% FPL to <200% FPL	41,363,378	3.5	13,012,516	6.0	3,480,123	9.0
200% FPL to <400% FPL	70,419,575	3.3	23,140,379	6.1	3,180,775	9.2
≥400% FPL	90,889,688	3.9	34,327,434	6.5	2,416,204	10.7
Education						
Less than high school	37,256,417	3.3	10,915,530	5.9	3,296,156	8.6
Completed high school	67,317,742	3.5	22,955,984	6.0	4,280,087	9.0
Some college	58,447,369	3.5	20,919,527	6.1	2,300,344	10.7
Completed college or higher	67,073,360	4.0	24,013,249	6.8	1,854,515	11.4
Payer †						
Medicare+Medicaid	6,331,700	7.5	2,742,014	7.6	2,322,517	10.2
Medicare	39,297,280	7.2	24,897,242	8.2	5,917,405	9.2
Medicaid	17,978,791	3.9	5,223,495	6.3	1,505,534	9.5
Private only	129,870,941	2.9	39,630,880	5.3	1,490,680	10.9
Other	2,859,773	3.4	1,019,427	6.1	98,443	7.7
Uninsured	35,338,021	1.1	5,535,256	3.3	507,534	7.7
Census region						
Northeast	42,700,724	3.9	14,854,085	6.7	2,183,787	8.8
Midwest	50,275,025	3.6	18,591,764	6.0	2,524,779	9.0
South	85,058,522	3.6	28,408,649	6.4	4,530,907	9.8
West	53,642,234	3.3	17,193,817	5.7	2,602,640	10.4

Notes:

Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 5. Paid Home Health Care Days per Person per Year

	Total adult population		Adults with 3+ chronic diseases and NO functional limitations		High-need adults Adults with 3+ chronic diseases and ANY functional limitations	
	Weighted cell counts	Average number of home health days per person per year	Weighted cell counts	Average number of home health days per person per year	Weighted cell counts	Average number of home health days per person per year
Total	231,676,506	1.6	79,048,315	0.3	11,842,113	26.1
Gender						
Male	111,946,584	1.2	32,821,759	0.3	4,353,620	25.3
Female	119,729,922	1.9	46,226,555	0.4	7,488,493	26.5
Age						
18-64	191,467,134	0.6	54,286,820	0.2	5,339,379	16.8
18-49	131,667,786	0.3	26,268,381	0.1	2,263,402	13.9
50-64	59,799,348	1.1	28,018,439	0.3	3,075,977	18.9
65+	40,209,372	6.2	24,761,495	0.7	6,502,734	33.8
65-74	21,992,662	3.2	14,186,326	0.5	1,978,588	30.2
75+	18,216,710	9.8	10,575,169	0.9	4,524,146	35.3
Race/Ethnicity						
White non-Hispanic	156,265,532	1.4	61,088,910	0.3	8,543,089	22.4
Black non-Hispanic	26,590,706	2.6	7,106,203	0.5	1,610,149	37.6
Hispanic	33,029,104	1.5	6,938,904	0.4	1,099,758	41.3
Asian non-Hispanic	11,146,985	0.7	2,321,056	0.2	303,885	18.2
Other non-Hispanic	4,644,179	1.8	1,593,242	1.2	285,232	22.5
Income						
<100% FPL	28,874,497	3.5	8,509,223	0.5	2,763,591	32.0
100% FPL to <200% FPL	41,363,378	2.6	13,012,516	0.8	3,480,123	27.5
200% FPL to <400% FPL	70,419,575	1.2	23,140,379	0.3	3,180,775	22.4
≥400% FPL	90,889,688	0.7	34,327,434	0.2	2,416,204	22.0
Education						
Less than high school	37,256,417	3.4	10,915,530	0.6	3,296,156	33.6
Completed high school	67,317,742	1.9	22,955,984	0.4	4,280,087	25.6
Some college	58,447,369	0.8	20,919,527	0.3	2,300,344	15.9
Completed college or higher	67,073,360	0.8	24,013,249	0.2	1,854,515	26.4
Payer †						
Medicare+Medicaid	6,331,700	23.0	2,742,014	2.4	2,322,517	58.1
Medicare	39,297,280	4.1	24,897,242	0.6	5,917,405	23.2
Medicaid	17,978,791	2.4	5,223,495	0.5	1,505,534	21.5
Private only	129,870,941	0.1	39,630,880	0.1	1,490,680	2.6
Other	2,859,773	0.3	1,019,427	0.1	98,443	7.0
Uninsured	35,338,021	0.0	5,535,256	0.1	507,534	1.1
Census region						
Northeast	42,700,724	2.1	14,854,085	0.4	2,183,787	34.1
Midwest	50,275,025	1.3	18,591,764	0.5	2,524,779	20.5
South	85,058,522	1.6	28,408,649	0.3	4,530,907	26.6
West	53,642,234	1.2	17,193,817	0.2	2,602,640	23.9

Notes:

Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 6. Poor or Fair Self-Reported Health Status: Population Segmentation and Stratification

					High-need adults	
	Total adult population		Adults with 3+ chronic diseases and NO functional limitations		Adults with 3+ chronic diseases and ANY functional limitations	
	with poor or fair self-reported health status		with poor or fair self-reported health status		with poor or fair self-reported health status	
	Weighted cell counts	Percent	Weighted cell counts	Percent	Weighted cell counts	Percent
Total	60,308,705	26%	30,076,730	38%	9,777,608	83%
Gender						
Male	27,371,878	24%	12,877,393	39%	3,635,290	84%
Female	32,936,827	28%	17,199,337	37%	6,142,317	82%
Age						
18-64	45,157,140	24%	21,914,050	40%	4,732,791	89%
18-49	26,788,982	20%	10,880,732	41%	1,991,720	88%
50-64	18,368,158	31%	11,033,317	39%	2,741,071	89%
65+	15,151,565	38%	8,162,680	33%	5,044,817	78%
65-74	7,180,273	33%	4,557,802	32%	1,597,569	81%
75+	7,971,292	44%	3,604,878	34%	3,447,248	76%
Race/Ethnicity						
White non-Hispanic	38,782,201	25%	21,166,441	35%	6,873,157	80%
Black non-Hispanic	8,029,604	30%	3,436,854	48%	1,407,851	87%
Hispanic	9,884,594	30%	3,858,121	56%	1,001,940	91%
Asian non-Hispanic	2,140,248	19%	845,855	36%	251,043	83%
Other non-Hispanic	1,472,058	32%	769,459	48%	243,616	85%
Income						
<100% FPL	12,317,315	43%	5,319,074	63%	2,504,193	91%
100% FPL to <200% FPL	14,885,113	36%	6,703,987	52%	2,927,541	84%
200% FPL to <400% FPL	17,921,685	25%	9,138,619	39%	2,611,143	82%
≥400% FPL	15,140,946	17%	8,887,639	26%	1,733,311	72%
Education						
Less than high school	15,500,910	42%	6,738,007	62%	2,901,123	88%
Completed high school	19,632,844	29%	9,340,349	41%	3,443,687	80%
Some college	13,752,307	24%	7,753,441	37%	1,893,077	82%
Completed college or higher	10,823,868	16%	6,097,731	25%	1,439,550	78%
Payer †						
Medicare+Medicaid	4,501,018	71%	1,879,860	69%	1,993,687	86%
Medicare	15,117,586	38%	8,689,422	35%	4,598,486	78%
Medicaid	7,874,784	44%	3,596,068	69%	1,388,459	92%
Private only	22,199,442	17%	12,254,240	31%	1,228,895	82%
Other	833,259	29%	532,572	52%	98,443	100%
Uninsured	9,782,616	28%	3,124,568	56%	469,637	93%
Census region						
Northeast	10,913,441	26%	5,592,391	38%	1,704,856	78%
Midwest	12,736,639	25%	6,676,765	36%	2,020,011	80%
South	22,993,639	27%	11,232,767	40%	3,927,800	87%
West	13,664,987	25%	6,574,807	38%	2,124,941	82%

Notes:
Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 7. Out-of-Pocket Spending

						High-need adults	
		Total adult population		Adults with 3+ chronic diseases and NO functional limitations		Adults with 3+ chronic diseases and ANY functional limitations	
		Weighted cell counts	Average out-of-pocket spending	Weighted cell counts	Average out-of-pocket spending	Weighted cell counts	Average out-of-pocket spending
Total		231,676,506	\$701.91	79,048,315	\$1,157.02	11,842,113	\$1,669.07
Gender							
	Male	111,946,584	\$591.14	32,821,759	\$1,101.21	4,353,620	\$1,611.85
	Female	119,729,922	\$805.47	46,226,555	\$1,196.64	7,488,493	\$1,702.34
Age							
	18-64	191,467,134	\$597.46	54,286,820	\$1,102.74	5,339,379	\$1,516.34
	18-49	131,667,786	\$444.52	26,268,381	\$905.31	2,263,402	\$1,289.40
	50-64	59,799,348	\$934.23	28,018,439	\$1,287.80	3,075,977	\$1,683.33
	65+	40,209,372	\$1,199.24	24,761,495	\$1,276.02	6,502,734	\$1,794.48
	65-74	21,992,662	\$1,077.18	14,186,326	\$1,257.12	1,978,588	\$1,425.26
	75+	18,216,710	\$1,346.60	10,575,169	\$1,301.36	4,524,146	\$1,955.96
Race/Ethnicity							
	White non-Hispanic	156,265,532	\$845.29	61,088,910	\$1,257.50	8,543,089	\$1,922.55
	Black non-Hispanic	26,590,706	\$405.70	7,106,203	\$786.88	1,610,149	\$894.06
	Hispanic	33,029,104	\$375.29	6,938,904	\$787.35	1,099,758	\$1,149.26
	Asian non-Hispanic	11,146,985	\$427.84	2,321,056	\$843.20	303,885	\$1,065.02
	Other non-Hispanic	4,644,179	\$553.88	1,593,242	\$1,022.37	285,232	\$1,099.92
Income							
	<100% FPL	28,874,497	\$472.65	8,509,223	\$823.07	2,763,591	\$928.86
	100% FPL to <200% FPL	41,363,378	\$622.77	13,012,516	\$1,009.72	3,480,123	\$1,614.76
	200% FPL to <400% FPL	70,419,575	\$670.83	23,140,379	\$1,132.44	3,180,775	\$1,926.85
	≥400% FPL	90,889,688	\$834.95	34,327,434	\$1,312.72	2,416,204	\$2,254.69
Education							
	Less than high school	37,256,417	\$496.25	10,915,530	\$789.27	3,296,156	\$1,360.05
	Completed high school	67,317,742	\$644.45	22,955,984	\$1,049.76	4,280,087	\$1,743.01
	Some college	58,447,369	\$701.70	20,919,527	\$1,182.96	2,300,344	\$1,497.72
	Completed college or higher	67,073,360	\$884.54	24,013,249	\$1,411.23	1,854,515	\$2,308.58
Payer †							
	Medicare+Medicaid	6,331,700	\$509.38	2,742,014	\$481.04	2,322,517	\$726.81
	Medicare	39,297,280	\$1,302.77	24,897,242	\$1,336.73	5,917,405	\$2,178.95
	Medicaid	17,978,791	\$273.70	5,223,495	\$487.75	1,505,534	\$529.32
	Private only	129,870,941	\$668.29	39,630,880	\$1,193.30	1,490,680	\$2,088.94
	Other	2,859,773	\$476.88	1,019,427	\$764.45	98,443	\$1,265.45
	Uninsured	35,338,021	\$427.85	5,535,256	\$1,127.65	507,534	\$2,262.24
Census region							
	Northeast	42,700,724	\$635.39	14,854,085	\$1,047.01	2,183,787	\$1,453.19
	Midwest	50,275,025	\$734.03	18,591,764	\$1,173.57	2,524,779	\$1,617.11
	South	85,058,522	\$715.09	28,408,649	\$1,203.75	4,530,907	\$1,760.45
	West	53,642,234	\$703.85	17,193,817	\$1,156.95	2,602,640	\$1,741.55

Notes:

Chronic conditions are defined based on ICD-9-CM diagnostic category coding (first 3 digits only) using the AHRQ Clinical Classification System (CCS), including behavioral health conditions.

Functional limitations include self-reported long-term limitations in activities of daily living (ADLs) or instrumental activities of daily living (IADLs).

† Health insurance categories are hierarchical and mutually exclusive. A person is categorized in one of the insurance categories in listed order if they fell into that category at any time during the year. In instances where respondents were covered by both public and private coverage, the public insurance program takes precedence (i.e., a respondent with Medicare and private insurance is listed as having Medicare).

Appendix 8. Emergency Department Visits per Year Frequency Distribution (Column Percents)

	Total adult population			Adults with 3+ chronic diseases and NO functional limitations			High-need adults Adults with 3+ chronic diseases and ANY functional limitations		
	Weighted cell counts	Percent population	Cumulative percent	Weighted cell counts	Percent population	Cumulative percent	Weighted cell counts	Percent population	Cumulative percent
Total	231,676,506	100.00%		79,048,315	100.00%		11,842,113	100.00%	
Emergency department visits per year									
0	200,966,684	86.74%	100.00%	65,057,741	82.30%	100.00%	7,659,909	64.68%	100.00%
1	23,259,106	10.04%	13.26%	10,406,103	13.16%	17.70%	2,562,605	21.64%	35.32%
2	4,988,573	2.15%	3.22%	2,379,051	3.01%	4.53%	887,020	7.49%	13.68%
3	1,554,017	0.67%	1.06%	808,312	1.02%	1.52%	367,732	3.11%	6.19%
4	485,811	0.21%	0.39%	224,053	0.28%	0.50%	175,605	1.48%	3.08%
5	208,138	0.09%	0.18%	85,692	0.11%	0.22%	81,645	0.69%	1.60%
6-9	188,541	0.08%	0.09%	73,730	0.09%	0.11%	96,406	0.81%	0.91%
10+	25,636	0.01%	0.01%	13,634	0.02%	0.02%	11,191	0.09%	0.09%

Appendix 9. Inpatient Hospital Discharges per Year Frequency Distribution (Column Percents)

	Total adult population			Adults with 3+ chronic diseases and NO functional limitations			High-need adults Adults with 3+ chronic diseases and ANY functional limitations		
	Weighted cell counts	Percent population	Cumulative percent	Weighted cell counts	Percent population	Cumulative percent	Weighted cell counts	Percent population	Cumulative percent
Total	231,676,506	100.00%		79,048,315	100%		11,842,113	100.00%	
Inpatient hospital discharges per year									
0	212,737,481	91.83%	100.00%	69,984,698	89%	100.00%	8,107,379	68.46%	100.00%
1	14,935,731	6.45%	8.17%	7,148,403	9%	11.47%	2,259,401	19.08%	31.54%
2	2,870,457	1.24%	1.73%	1,489,718	2%	2.42%	896,348	7.57%	12.46%
3	662,059	0.29%	0.49%	284,050	0%	0.54%	279,512	2.36%	4.89%
4	282,330	0.12%	0.20%	102,144	0%	0.18%	154,293	1.30%	2.53%
5	103,944	0.04%	0.08%	15,964	0%	0.05%	84,014	0.71%	1.23%
6-9	82,793	0.04%	0.04%	23,339	0%	0.03%	59,454	0.50%	0.52%
10+	1,711	0.00%	0.00%	0	0%	0.00%	1,711	0.01%	0.01%

Appendix 10. Office Visits per Year Frequency Distribution (Column Percents)

	Total adult population			Adults with 3+ chronic diseases and NO functional limitations			High-need adults Adults with 3+ chronic diseases and ANY functional limitations		
	Weighted cell counts	Percent population	Cumulative percent	Weighted cell counts	Percent population	Cumulative percent	Weighted cell counts	Percent population	Cumulative percent
Total	231,676,506	100.00%		79,048,315	100%		11,842,113	100%	
Office visits per year									
0	75,620,594	33%	100.00%	7,056,977	9%	100.00%	671,880	6%	100.00%
1	39,052,361	17%	67.36%	8,789,471	11%	91.07%	876,513	7%	94.33%
2	27,046,429	12%	50.50%	10,000,112	13%	79.95%	984,647	8%	86.92%
3	18,794,229	8%	38.83%	8,881,812	11%	67.30%	947,420	8%	78.61%
4	13,885,686	6%	30.72%	7,603,058	10%	56.07%	777,570	7%	70.61%
5	10,188,352	4%	24.72%	6,075,029	8%	46.45%	841,417	7%	64.04%
6-9	23,745,278	10%	20.33%	15,097,623	19%	38.76%	2,528,380	21%	56.94%
10+	23,343,576	10%	10.08%	15,544,227	20%	19.66%	4,214,286	36%	35.59%

Appendix 11. Paid Home Health Care Days per Year Frequency Distribution (Column Percents)

	Total adult population			Adults with 3+ chronic diseases and NO functional limitations			High-need adults Adults with 3+ chronic diseases and ANY functional limitations		
	Weighted cell counts	Percent population	Reverse cumulative percent	Weighted cell counts	Percent population	Reverse cumulative percent	Weighted cell counts	Percent population	Reverse cumulative percent
Total that responded to home health days questions in MEPS^a	231,320,268	100.00%		78,969,259	100.00%		11,632,664	100.00%	
Home health days per year									
0	226,144,125	97.76%	100.00%	77,495,055	98.13%	100.00%	8,519,250	73.24%	100.00%
1	441,318	0.19%	2.24%	220,220	0.28%	1.87%	112,821	0.97%	26.76%
2	152,641	0.07%	2.05%	82,481	0.10%	1.59%	49,635	0.43%	25.79%
3-9	915,867	0.40%	1.98%	440,941	0.56%	1.48%	346,559	2.98%	25.37%
10-19	675,486	0.29%	1.58%	296,470	0.38%	0.93%	313,115	2.69%	22.39%
20-29	569,533	0.25%	1.29%	187,694	0.24%	0.55%	333,113	2.86%	19.70%
30-39	312,757	0.14%	1.05%	60,611	0.08%	0.31%	213,149	1.83%	16.83%
40-60	445,634	0.19%	0.91%	85,161	0.11%	0.24%	315,413	2.71%	15.00%
61-100	490,812	0.21%	0.72%	64,669	0.08%	0.13%	368,538	3.17%	12.29%
101+	1,172,095	0.51%	0.51%	35,957	0.05%	0.05%	1,061,071	9.12%	9.12%

^a Not all MEPS (Medical Expenditure Panel Survey) respondents answer the questions regarding paid home health care days. Because it differs in this way from the other utilization indicators, we used the total number of respondents in each group, as opposed to the total population, as the base.