



Home Health Care Study and Report

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Appendix

Prepared for:

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TABLE OF CONTENTS

APPENDIX A: DETAILED HHRG-LEVEL INFORMATION ON COSTS, PAYMENT AND MARGINS.....	4
APPENDIX B: CHARACTERISTICS OF PATIENT, EPISODES OR HHA ASSOCIATED WITH MARGIN FOR 21 SELECTED HHRGS.....	19
APPENDIX C: DETAILED RESULTS OF DECILE ANALYSIS.....	25
APPENDIX D: FULL REGRESSION MODELS OF WAGE INDEX-ADJUSTED MARGIN ON INDEPENDENT VARIABLES.....	31
APPENDIX E: SUBGROUP ANALYSIS REGRESSION MODELS, WITHOUT DUAL PROPORTION MEASURE.....	65
APPENDIX F: SUBGROUP ANALYSIS REGRESSION MODELS, INCLUDING DUAL PROPORTION MEASURE.....	115
APPENDIX G: OUTLIER ANALYSIS FINDINGS.....	163
APPENDIX H: SURVEY METHODOLOGY AND INSTRUMENTS.....	178
Detailed survey methodology.....	178
Survey of Access to Home Health Services for Medicare Beneficiaries – Home Health Agencies.....	179
Survey of Access to Home Health Services for Medicare Beneficiaries – Physicians.....	190

LIST OF TABLES

Table 1. Average Costs, Payment and Margin, 153 HHRGs, 2010.....	4
Table 2. Implied Margins (%) for Episodes that Differ by Receipt of Skilled Nursing Services.....	19
Table 3. Implied Margins (%) for Selected HHA Characteristics: Ownership Type, Location and Volume.....	20
Table 4. Implied Margin for Episodes for Patients with and without Dual Eligible Status.....	21
Table 5. Implied Margins (%) for Episodes, by Residence in a Whole County HPSA and HHRG.....	22
Table 6. Implied Margins for Episodes with High and Low HCC Scores and Episodes in Which the Beneficiary Had or Did Not Have a Stage 2+ Pressure Ulcer, by HHRG	23

Table 7. Implied Margins (%) for Episodes for Which Patients Were Limited or Independent in Selected Activities by HHRG.....	24
Table 8. Distribution of the Mean Values of Variables Examined Across Margin Deciles.....	25
Table 9. Regression Model of Wage Index-Adjusted Margin on HHRG Only.....	31
Table 10. Full Regression Model of Wage Index-Adjusted Margin on All Independent Variables Without Dual Proportion Measure.....	39
Table 11. Full Regression Model of Wage Index-Adjusted Margin on All Independent Variables With Dual Proportion Measure.....	54
Table 12. Regression Model of Wage Index-Adjusted Margin on HHRG and Group 1 Variables.....	65
Table 13. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-2 Variables.....	73
Table 14. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-3 Variables.....	81
Table 15. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-4 Variables.....	89
Table 16. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-5 Variables.....	97
Table 17. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-6 Variables.....	106
Table 18. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Group 1 Variables.....	115
Table 19. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-2 Variables.....	121
Table 20. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-3 Variables.....	127
Table 21. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-4 Variables.....	133
Table 22. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-5 Variables.....	139
Table 23. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-6 Variables.....	145

Table 24. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion,
Groups 1-6 Variables, and Other HHA Characteristics..... 152

Table 25. Summary Statistics of Demographic Variables for Outlier Episodes..... 163

Table 26. Summary Statistics of Functioning Variables for Outlier Episodes 167

Table 27. Summary Statistic of Patient Living And Caregiving Situation..... 173

Table 28. Summary Statistics of Care Needs for Outlier Episode..... 175

APPENDIX A: DETAILED HHRG-LEVEL INFORMATION ON COSTS, PAYMENT AND MARGINS

Table 1. Average Costs, Payment and Margin, 153 HHRGs, 2010

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
Early Episodes, 0-13 Visits											
1C1F1 S1	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 1	46355	1213	1064	615	1346	1320	166	133	1.11	9.85
1C1F1 S2	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 2	6623	1453	1274	679	1998	1938	259	545	1.38	27.29
1C1F1 S3	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 3	16890	1779	1600	759	2469	2400	305	690	1.39	27.94
1C1F1 S4	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 4	4755	2120	1924	816	2938	2886	333	818	1.39	27.83
1C1F1 S5	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 5	11561	2440	2251	884	3319	3275	369	879	1.36	26.48
1C1F2 S1	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 1	42772	1310	1134	700	1570	1521	214	260	1.20	16.55
1C1F2 S2	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 2	11602	1556	1399	742	2239	2155	316	683	1.44	30.50
1C1F2 S3	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 3	33681	1894	1731	796	2709	2604	372	815	1.43	30.10
1C1F2 S4	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 4	10279	2246	2069	860	3178	3087	421	932	1.41	29.32

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
1C1F2 S5	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 5	26870	2560	2375	918	3559	3475	442	999	1.39	28.07
1C1F3 S1	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 1	7057	1410	1195	852	1757	1693	252	348	1.25	19.78
1C1F3 S2	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 2	1373	1686	1446	874	2442	2339	364	756	1.45	30.96
1C1F3 S3	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 3	4309	2032	1823	928	2909	2792	429	877	1.43	30.14
1C1F3 S4	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 4	1339	2421	2208	1028	3376	3266	482	956	1.39	28.30
1C1F3 S5	Early Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 5	4001	2715	2521	1018	3774	3664	520	1058	1.39	28.05
1C2F1 S1	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 1	90527	1295	1133	679	1674	1646	198	379	1.29	22.63
1C2F1 S2	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 2	7408	1750	1602	793	2337	2274	294	587	1.34	25.12
1C2F1 S3	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 3	19315	2092	1959	860	2796	2742	330	704	1.34	25.17
1C2F1 S4	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 4	5333	2454	2319	923	3261	3218	362	806	1.33	24.72
1C2F1 S5	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 5	13790	2773	2620	992	3645	3616	390	872	1.31	23.92

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
1C3F1 S1	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 1	120135	1536	1286	964	2048	2010	240	512	1.33	24.99
1C3F1 S2	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 2	4565	2167	1995	951	2698	2648	330	532	1.25	19.70
1C3F1 S3	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 3	12127	2515	2340	1039	3161	3105	360	646	1.26	20.44
1C3F1 S4	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 4	3431	2910	2737	1107	3638	3607	392	727	1.25	19.99
1C3F1 S5	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 5	8649	3212	3045	1145	4012	4006	414	800	1.25	19.94
1C2F2 S1	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 1	126634	1396	1218	749	1889	1854	242	493	1.35	26.12
1C2F2 S2	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 2	19627	1823	1668	840	2564	2484	338	741	1.41	28.91
1C2F2 S3	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 3	58677	2200	2046	917	3028	2943	388	828	1.38	27.35
1C2F2 S4	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 4	18080	2570	2402	971	3504	3428	438	934	1.36	26.65
1C2F2 S5	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 5	49026	2903	2724	1041	3873	3812	458	970	1.33	25.04

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
1C2F3 S1	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 1	27233	1468	1249	868	2084	2029	294	616	1.42	29.55
1C2F3 S2	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 2	3566	1965	1794	971	2758	2660	395	793	1.40	28.74
1C2F3 S3	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 3	11142	2337	2151	1013	3232	3132	455	895	1.38	27.69
1C2F3 S4	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 4	3629	2734	2538	1079	3700	3603	515	966	1.35	26.11
1C2F3 S5	Early Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 5	10268	3062	2873	1140	4067	3973	540	1004	1.33	24.69
1C3F2 S1	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 1	213430	1573	1339	958	2253	2216	276	680	1.43	30.19
1C3F2 S2	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 2	17448	2203	2011	1023	2923	2849	376	720	1.33	24.64
1C3F2 S3	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 3	52105	2585	2399	1067	3387	3309	418	801	1.31	23.66
1C3F2 S4	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 4	16279	2973	2785	1101	3863	3793	459	890	1.30	23.03
1C3F2 S5	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 5	44715	3296	3106	1156	4222	4161	486	926	1.28	21.93

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
1C3F3 S1	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 1	76816	1707	1422	1107	2453	2395	327	747	1.44	30.44
1C3F3 S2	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 2	6031	2372	2150	1089	3120	3038	421	747	1.32	23.96
1C3F3 S3	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 3	18532	2793	2558	1218	3578	3474	477	785	1.28	21.94
1C3F3 S4	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 4	5694	3196	2963	1250	4060	3981	526	864	1.27	21.28
1C3F3 S5	Early Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 5	16703	3530	3302	1285	4417	4348	546	887	1.25	20.09
Early Episode, 14-19 Visits											
2C1F1 S1	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 1	3744	2778	2610	919	3656	3650	334	878	1.32	24.02
2C1F1 S2	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 2	2732	3039	2875	951	3994	4003	377	955	1.31	23.90
2C1F1 S3	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 3	1519	3258	3098	1015	4296	4300	421	1038	1.32	24.17
2C1F2 S1	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 1	8961	2932	2757	989	3934	3913	407	1002	1.34	25.46
2C1F2 S2	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 2	6645	3222	3047	1018	4254	4252	430	1032	1.32	24.25

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
2C1F2 S3	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 3	4057	3518	3344	1080	4565	4527	492	1048	1.30	22.95
2C1F3 S1	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 1	3178	3076	2872	1090	4112	4078	492	1037	1.34	25.21
2C1F3 S2	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 2	2739	3350	3145	1108	4422	4383	505	1072	1.32	24.24
2C1F3 S3	Early Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 3	1864	3649	3402	1188	4699	4656	517	1050	1.29	22.34
2C2F1 S1	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 1	12403	3136	2978	1040	4208	4218	374	1072	1.34	25.48
2C2F1 S2	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 2	8439	3409	3220	1075	4544	4571	430	1135	1.33	24.98
2C2F1 S3	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 3	4519	3666	3494	1117	4834	4828	454	1168	1.32	24.16
2C2F2 S1	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 1	36309	3276	3114	1083	4481	4481	452	1206	1.37	26.91
2C2F2 S2	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 2	26020	3533	3350	1129	4791	4781	487	1258	1.36	26.27
2C2F2 S3	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 3	15855	3808	3646	1141	5076	5054	512	1268	1.33	24.98

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
2C2F3 S1	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 1	12552	3417	3234	1172	4612	4570	535	1195	1.35	25.91
2C2F3 S2	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 2	10140	3659	3471	1185	4935	4902	554	1276	1.35	25.85
2C2F3 S3	Early Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 3	6755	3948	3763	1242	5224	5147	590	1276	1.32	24.42
2C3F1 S1	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 1	6235	3549	3380	1190	4832	4874	455	1283	1.36	26.54
2C3F1 S2	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 2	4191	3896	3734	1213	5132	5140	471	1236	1.32	24.08
2C3F1 S3	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 3	2220	4125	3965	1283	5417	5412	496	1293	1.31	23.87
2C3F2 S1	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 1	29140	3645	3467	1201	5083	5117	495	1438	1.39	28.29
2C3F2 S2	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 2	20255	3953	3748	1249	5385	5386	535	1432	1.36	26.59
2C3F2 S3	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 3	12821	4229	4015	1287	5674	5599	553	1445	1.34	25.46
2C3F3 S1	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 1	17016	3892	3653	1341	5264	5215	610	1372	1.35	26.06

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
2C3F3 S2	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 2	13519	4123	3880	1344	5551	5454	615	1428	1.35	25.72
2C3F3 S3	Early Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 3	9323	4446	4226	1383	5862	5749	658	1416	1.32	24.16
Late Episodes, 0-13 Visits											
3C1F1 S1	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 1	70897	1191	1064	591	1423	1407	134	232	1.19	16.31
3C1F1 S2	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 2	1414	1967	1885	844	2258	2241	247	291	1.15	12.89
3C1F1 S3	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 3	4463	2263	2152	912	2700	2700	261	436	1.19	16.16
3C1F1 S4	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 4	1546	2742	2638	1009	3206	3233	295	464	1.17	14.47
3C1F1 S5	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 5	4398	3042	2890	1045	3580	3629	303	538	1.18	15.03
3C1F2 S1	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 1	112983	1292	1140	680	1705	1668	173	414	1.32	24.26
3C1F2 S2	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 2	3413	2116	1994	909	2555	2534	292	439	1.21	17.19
3C1F2 S3	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 3	11436	2429	2295	946	2987	2979	325	558	1.23	18.68
3C1F2 S4	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 4	3907	2847	2706	995	3487	3499	351	640	1.22	18.35

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
3C1F2 S5	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 5	11908	3177	3020	1086	3860	3917	373	683	1.22	17.70
3C1F3 S1	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 1	31905	1374	1196	790	1988	1943	217	614	1.45	30.88
3C1F3 S2	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 2	986	2106	1951	899	2785	2723	312	679	1.32	24.38
3C1F3 S3	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 3	3368	2537	2361	1030	3247	3165	374	710	1.28	21.86
3C1F3 S4	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 4	1041	2995	2830	1090	3744	3755	400	749	1.25	20.00
3C1F3 S5	Late Episode, 0-13 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 5	3573	3283	3125	1104	4113	4110	421	830	1.25	20.18
3C2F1 S1	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 1	90338	1327	1064	1298	1547	1518	148	220	1.17	14.24
3C2F1 S2	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 2	1488	2145	2013	1091	2378	2365	240	232	1.11	9.77
3C2F1 S3	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 3	4431	2439	2281	1160	2806	2808	269	367	1.15	13.08
3C2F1 S4	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 4	1391	2865	2714	1161	3294	3304	299	429	1.15	13.02

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
3C2F1 S5	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 5	4030	3162	2989	1267	3677	3723	316	515	1.16	14.02
3C2F2 S1	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 1	180206	1479	1171	1478	1824	1785	181	344	1.23	18.88
3C2F2 S2	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 2	4742	2246	2066	1100	2653	2615	291	407	1.18	15.33
3C2F2 S3	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 3	14994	2594	2398	1160	3082	3016	322	488	1.19	15.84
3C2F2 S4	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 4	4861	3043	2848	1346	3575	3541	366	533	1.18	14.89
3C2F2 S5	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 5	15197	3358	3136	1368	3952	3982	379	594	1.18	15.03
3C2F3 S1	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 1	62122	1514	1235	1326	2103	2052	223	589	1.39	28.01
3C2F3 S2	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 2	1742	2279	2080	1115	2913	2839	345	634	1.28	21.76
3C2F3 S3	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 3	5947	2665	2453	1136	3366	3281	386	701	1.26	20.82
3C2F3 S4	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 4	1917	3111	2907	1249	3838	3761	396	727	1.23	18.95
3C2F3 S5	Late Episode, 0-13 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 5	5917	3474	3244	1323	4216	4146	434	742	1.21	17.60

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
3C3F1 S1	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 1	65289	1695	1245	1636	2068	2023	223	373	1.22	18.04
3C3F1 S2	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 2	827	2437	2157	1483	2880	2837	317	443	1.18	15.39
3C3F1 S3	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 3	2429	2797	2520	1389	3315	3284	341	518	1.19	15.63
3C3F1 S4	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 4	681	3129	2859	1192	3805	3810	382	676	1.22	17.77
3C3F1 S5	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 5	1882	3572	3257	1660	4182	4198	382	610	1.17	14.59
3C3F2 S1	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 1	163655	1753	1312	1748	2322	2273	239	569	1.32	24.50
3C3F2 S2	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 2	3875	2514	2233	1365	3147	3066	344	632	1.25	20.09
3C3F2 S3	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 3	11767	2883	2618	1368	3589	3503	384	705	1.24	19.65
3C3F2 S4	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 4	3869	3276	2989	1454	4063	3988	409	786	1.24	19.35
3C3F2 S5	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 5	11153	3671	3385	1585	4434	4373	427	763	1.21	17.21

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
3C3F3 S1	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 1	123623	1917	1520	1558	2640	2567	308	723	1.38	27.38
3C3F3 S2	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 2	2961	2711	2440	1257	3453	3390	403	742	1.27	21.48
3C3F3 S3	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 3	8642	3057	2775	1398	3887	3784	437	830	1.27	21.36
3C3F3 S4	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 4	2619	3472	3169	1558	4376	4315	468	904	1.26	20.66
3C3F3 S5	Late Episode, 0-13 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 5	8219	3883	3582	1625	4743	4697	476	860	1.22	18.13
Late Episodes, 14-19 Visits											
4C1F1 S1	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 1	2122	3254	3065	1076	3914	3970	285	660	1.20	16.87
4C1F1 S2	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 2	1833	3400	3233	1111	4136	4219	333	736	1.22	17.79
4C1F1 S3	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 3	807	3649	3514	1113	4499	4586	367	850	1.23	18.89
4C1F2 S1	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 1	5885	3429	3271	1160	4175	4266	363	746	1.22	17.86
4C1F2 S2	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 2	5153	3595	3419	1183	4393	4454	389	798	1.22	18.17

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
4C1F2 S3	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 3	2422	3866	3645	1255	4734	4784	431	867	1.22	18.32
4C1F3 S1	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 1	725	3640	3380	1298	4568	4572	437	928	1.25	20.31
4C1F3 S2	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 2	650	3734	3565	1279	4766	4722	477	1032	1.28	21.66
4C1F3 S3	Late Episode, 14-19 therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 3	330	4158	3900	1409	5158	5170	539	1000	1.24	19.39
4C2F1 S1	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 1	4219	3579	3434	1188	4523	4594	320	944	1.26	20.88
4C2F1 S2	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 2	3051	3727	3579	1170	4715	4829	377	988	1.27	20.95
4C2F1 S3	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 3	1441	3989	3913	1257	5005	4973	409	1016	1.25	20.30
4C2F2 S1	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 1	18134	3765	3574	1247	4749	4877	397	984	1.26	20.71
4C2F2 S2	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 2	13941	3905	3698	1227	4931	4927	421	1026	1.26	20.81
4C2F2 S3	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 3	6698	4094	3920	1255	5237	5181	459	1144	1.28	21.84

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
4C2F3 S1	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 1	2016	3894	3695	1326	5132	5184	465	1238	1.32	24.12
4C2F3 S2	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 2	1639	4031	3803	1326	5323	5302	469	1291	1.32	24.26
4C2F3 S3	Late Episode, 14-19 therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 3	891	4388	4195	1330	5675	5611	527	1287	1.29	22.67
4C3F1 S1	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 1	3282	3918	3633	1691	5199	5317	403	1281	1.33	24.65
4C3F1 S2	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 2	2508	4077	3820	1552	5365	5386	432	1288	1.32	24.00
4C3F1 S3	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 3	1203	4266	3934	1746	5621	5546	489	1355	1.32	24.11
4C3F2 S1	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 1	21818	4052	3743	1636	5418	5512	461	1366	1.34	25.21
4C3F2 S2	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 2	16630	4157	3870	1513	5583	5530	479	1426	1.34	25.55
4C3F2 S3	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 3	8311	4390	4111	1562	5894	5825	509	1504	1.34	25.52
4C3F3 S1	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 1	5042	4274	3961	1666	5796	5779	516	1522	1.36	26.26

			Episode Costs			Episode Payment			Margins		
HHRG	HHRG Description	Number of Episodes	Mean (\$)	Median (\$)	SD	Mean (\$)	Median (\$)	SD	Payment-Costs (\$)	Payment / Costs Ratio	Implied Margin (%)
4C3F3 S2	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 2	4263	4429	4170	1542	6008	5931	557	1579	1.36	26.29
4C3F3 S3	Late Episode, 14-19 therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 3	2204	4767	4479	1660	6342	6267	577	1575	1.33	24.84
Early or Late Episodes, 20+ Visits											
5C1F1 S1	Early or Late, 20+ therapies, Clinical Severity Level 1, Functional Severity Level 1, Service Severity Level 1	6068	4237	4005	1368	5708	5665	548	1471	1.35	25.78
5C1F2 S1	Early or Late, 20+ therapies, Clinical Severity Level 1, Functional Severity Level 2, Service Severity Level 1	17735	4558	4315	1478	6144	6093	628	1585	1.35	25.80
5C1F3 S1	Early or Late, 20+ therapies, Clinical Severity Level 1, Functional Severity Level 3, Service Severity Level 1	12516	4874	4629	1576	6599	6514	708	1725	1.35	26.14
5C2F1 S1	Early or Late, 20+ therapies, Clinical Severity Level 2, Functional Severity Level 1, Service Severity Level 1	8972	4624	4409	1452	6140	6132	550	1516	1.33	24.69
5C2F2 S1	Early or Late, 20+ therapies, Clinical Severity Level 2, Functional Severity Level 2, Service Severity Level 1	32924	4905	4674	1527	6559	6502	639	1654	1.34	25.22
5C2F3 S1	Early or Late, 20+ therapies, Clinical Severity Level 2, Functional Severity Level 3, Service Severity Level 1	34777	5148	4877	1621	6961	6834	706	1812	1.35	26.04
5C3F1 S1	Early or Late, 20+ therapies, Clinical Severity Level 3, Functional Severity Level 1, Service Severity Level 1	6598	5075	4783	1672	6798	6757	596	1724	1.34	25.35
5C3F2 S1	Early or Late, 20+ therapies, Clinical Severity Level 3, Functional Severity Level 2, Service Severity Level 1	34620	5320	5040	1656	7216	7098	689	1897	1.36	26.28
5C3F3 S1	Early or Late, 20+ therapies, Clinical Severity Level 3, Functional Severity Level 3, Service Severity Level 1	64678	5723	5378	1878	7636	7507	756	1913	1.33	25.05

APPENDIX B: CHARACTERISTICS OF PATIENT, EPISODES OR HHA ASSOCIATED WITH MARGIN FOR 21 SELECTED HHRGS

Table 2. Implied Margins (%) for Episodes that Differ by Receipt of Skilled Nursing Services

Received Skilled Nursing Visits						
HHRG	No		Yes		Difference	Skilled Nursing Visits (if Yes=1)
						Mean (SD)
--	N	%	N	%	%	--
Low Profit						
1C1F1S1	2,170	43.2	41,684	9.7	345.4	7.7 (4.0)
1C1F2S1	2,791	50	38,136	15.3	226.8	10.1 (12.4)
3C1F1S1	203	46.4	66,282	17.3	168.2	8.5 (3.5)
3C2F1S1	118	52.5	84,683	15.4	240.9	7.0 (3.9)
3C2F2S1	304	60.1	171,534	19.7	205.1	10.3 (13.5)
3C3F1S1	36	--	61,321	21.4	--	13.1 (15.5)
Moderate Profit						
1C2F1S1	1,240	53.8	84,732	23.2	131.9	8.5 (4.4)
1C2F2S1	2,586	58.6	118,969	26.3	122.8	8.5 (3.8)
1C3F1S1	308	62.2	113,734	27.7	124.5	8.0 (4.2)
3C1F2S1	362	53.6	107,105	25.1	113.5	10.7 (7.1)
3C3F2S1	134	63.7	155,867	26.5	140.4	12.5 (16.0)
High Profit						
1C2F2S2	3,355	62.2	15,511	22.5	176.4	8.5 (4.2)
1C2F3S1	571	60.7	25,297	30.1	101.7	10.3 (7.0)
1C3F2S1	871	65.3	203,731	32	104.1	10.0 (6.6)
1C3F3S1	321	66.5	72,715	33.2	100.3	8.2 (4.8)
3C1F3S1	98	--	29,865	32.1	--	6.5 (3.8)
3C2F3S1	118	59.1	58,609	29.1	103.1	9.8 (11.5)
3C3F3S1	119	65.8	11,701	30.8	113.6	12.3 (13.1)
5C1F2S1	5,062	38.8	11,962	20.5	89.3	10.9 (7.1)
5C2F3S1	4,512	44.1	28,790	23.3	89.3	9.6 (5.5)
5C3F2S1	2,411	46.1	31,012	25.2	82.9	7.7 (5.0)

Table 3. Implied Margins (%) for Selected HHA Characteristics: Ownership Type, Location and Volume

HHRG	Ownership					Location					Volume				
	Voluntary		Proprietary		Difference	Rural		Metro		Difference	<=25th %tile		>75 th %tile		Difference
	N	%	N	%	%	N	%	N	%	%	N	%	N	%	%
Low Profit															
1C1F1S1	10,842	9.5	32,084	12.4	-23.4	496	-4.2	38,022	12.1	-134.7	10,976	5.2	10,918	13.4	-61.1
1C1F2S1	11,476	15.5	28,793	19.1	-18.8	522	11.6	35,593	18.4	-37	10,235	14	10,213	16.5	-15.2
3C1F1S1	4,519	10.7	61,423	18.1	-40.9	2,328	19.2	49,722	16.5	16.4	16,687	12.5	16,617	23.1	-45.9
3C2F1S1	6,193	14	77,955	15.7	-10.8	2,383	23.9	63,083	12.3	94.3	21,201	-0.9	21,103	25.4	-103.9
3C2F2S1	10,598	16.3	160,201	20.1	-18.9	6,204	27.8	125,171	16.5	68.5	43,002	0.1	42,673	29.9	-99.7
3C3F1S1	8,341	13.3	52,497	23.1	-42.4	1,446	34.9	47,108	18.1	92.8	15,363	3.5	15,325	28.6	-87.8
Moderate Profit															
1C2F1S1	19,421	21	65,001	24.9	-15.7	1,184	19	72,990	24.1	-21.2	21,504	20	21,462	25.6	-21.9
1C2F2S1	27,939	22.7	92,263	28.6	-20.6	1,963	9.3	103,028	28.6	-67.5	30,406	24.1	30,302	26.9	-10.4
1C3F1S1	24,797	22	87,612	29.9	-26.4	1,543	20.4	95,837	28	-27.1	28,576	24.7	28,442	29.4	-16
3C1F2S1	6,331	12.7	100,493	26.1	-51.3	3,887	27.2	79,961	24.6	10.6	26,913	19.2	26,708	30.5	-37
3C3F2S1	13,324	18.2	141,815	27.5	-33.8	5,530	34.3	112,013	22.5	52.4	39,033	6.1	38,933	36.1	-83.1
High Profit															
1C2F2S2	5,475	30.5	13,182	29.3	4.1	181	15.9	16,690	30.3	-47.5	4,721	23.7	4,708	30.3	-21.8
1C2F3S1	4,934	24.9	20,665	32.5	-23.4	632	37.6	21,472	30.7	22.5	6,482	27.6	6,447	30.2	-8.6
1C3F2S1	40,093	25.8	162,757	34	-24.1	3,497	32	170,952	32.1	-0.3	51,222	29.4	51,078	32.6	-9.8
1C3F3S1	13,306	26.3	59,215	35.3	-25.5	1,620	39.6	60,667	33.1	19.6	18,259	29.6	18,244	34.1	-13.2
3C1F3S1	2,125	16.1	27,620	33.8	-52.4	1,276	43.8	22,659	31.1	40.8	7,488	27.4	7,483	37.3	-26.5
3C2F3S1	4,178	17.5	54,143	30.3	-42.2	2,320	43.1	43,851	27.1	59	14,704	15.6	14,602	36.1	-56.8
3C3F3S1	15,199	19.4	101,202	32.9	-41	3,631	40.2	90,286	29	38.6	29,438	20.4	29,052	34	-40
5C1F2S1	1,876	28	14,989	25.7	8.9	125	26.5	15,171	26.3	0.8	4,258	24	4,254	29.3	-18.1
5C2F3S1	3,237	29.9	29,912	25.8	15.9	424	18	28,231	26.8	-32.8	8,341	22.9	8,287	30.4	-24.7
5C3F2S1	3,831	29	29,399	26.5	9.4	315	21.6	28,554	27.2	-20.6	8,371	23.8	8,309	30.2	-21.2

Table 4. Implied Margin for Episodes for Patients with and without Dual Eligible Status

HHRG	Dual Eligible				
	Yes		No		Difference in margin
	N	%	N	%	%
Low Profit					
1C1F1S1	12,461	8.3	31,393	12.3	-32.5
1C1F2S1	10,643	12.8	30,284	19.5	-34.4
3C1F1S1	31,570	17.8	34,915	17.1	4.1
3C2F1S1	43,888	12.6	40,913	18.4	-31.5
3C2F2S1	89,843	17.6	81,995	22.1	-20.4
3C3F1S1	28,983	17.5	32,374	25.0	-30.0
Moderate Profit					
1C2F1S1	30,306	22.0	55,656	24.6	-10.6
1C2F2S1	43,440	24.7	78,115	28.3	-12.7
1C3F1S1	45,080	28.1	68,962	27.5	2.2
3C1F2S1	51,968	26.9	55,499	23.5	14.5
3C3F2S1	77,910	22.5	78,091	30.5	-26.2
High Profit					
1C2F2S2	4,713	22.7	14,153	31.9	-28.8
1C2F3S1	10,376	29.2	15,492	31.8	-8.2
1C3F2S1	86,850	32.0	117,752	32.2	-0.6
1C3F3S1	33,724	32.4	39,312	34.1	-5.0
3C1F3S1	14,010	33.9	15,942	30.7	10.4
3C2F3S1	30,304	29.5	28,423	28.8	2.4
3C3F3S1	60,552	30.3	56,668	31.4	-3.5
5C1F2S1	3,584	27.6	13,440	25.6	7.8
5C2F3S1	8,634	25.6	24,668	26.4	-3.0
5C3F2S1	8,755	27.1	24,668	26.6	1.9

Table 5. Implied Margins (%) for Episodes, by Residence in a Whole County HPSA and HHRG

HHRG	Residence in Whole County HPSA				
	Yes		No		Difference
	N	%	N	%	%
Low Margin					
1C1F1S1	19,457	9	4,771	11.2	-19.6
1C1F2S1	17,510	14	5,202	19	-26.3
3C1F1S1	36,913	16.1	6,168	20.5	-21.5
3C2F1S1	0	--	8,472	22.9	--
3C2F2S1	89,891	19.1	17,053	27.9	-31.5
3C3F1S1	29,469	22.9	6,611	27.7	-17.3
Moderate Margin					
1C2F1S1	39,402	22.5	9,118	24.2	-7
1C2F2S1	56,611	24.4	14,144	28.5	-14.4
1C3F1S1	53,242	27.5	12,232	27.6	-0.4
3C1F2S1	58,339	23.8	10,440	26.8	-11.2
3C3F2S1	0	--	17,188	34.9	--
High Margin					
1C2F2S2	8,017	26.3	2,615	31.7	-17
1C2F3S1	12,358	29	3,090	32.8	-11.6
1C3F2S1	99,828	31.5	21,830	32.8	-4
1C3F3S1	35,990	32.6	8,067	35.4	-7.9
3C1F3S1	16,742	30.8	2,785	33.7	-8.6
3C2F3S1	31,897	29.2	5,695	32.3	-9.6
3C3F3S1	58,579	31.5	13,078	34.1	-7.6
5C1F2S1	5,690	24.4	2,235	27	-9.6
5C2F3S1	12,421	24.7	4,661	27.7	-10.8
5C3F2S1	11,659	25.3	4,703	27.1	-6.6

Note: "--" indicates that the number of cases was too small to estimate

Table 6. Implied Margins for Episodes with High and Low HCC Scores and Episodes in Which the Beneficiary Had or Did Not Have a Stage 2+ Pressure Ulcer, by HHRG

HHRG	HCC Score					Presence of Stage 2+ Pressure Ulcer				
	> 75th percentile		<= 25th percentile		Difference	Yes		No		Difference
	N	%	N	%	%	N	%	N	%	%
Low Profit										
1C1F1S1	10,515	8	10,538	14.2	-43.7	31	--	43,823	11.2	--
1C1F2S1	9,853	13.6	9,869	21.8	-37.6	64	--	40,863	17.8	--
3C1F1S1	16,311	15.3	16,354	19.6	-21.9	34	--	66,451	17.5	--
3C2F1S1	20,716	10.2	20,720	22.3	-54.3	133	-9.9	84,668	15.5	-163.9
3C2F2S1	42,312	13.4	42,342	26.7	-49.8	354	10.1	171,484	19.8	-49
3C3F1S1	14,855	19.8	14,866	27.3	-27.5	3,969	10.3	57,388	22.3	-53.8
Moderate Profit										
1C2F1S1	20,522	21.1	20,539	25.5	-17.3	487	7.6	85,475	23.8	-68.1
1C2F2S1	29,343	24.2	29,390	29.5	-18	943	14.3	120,612	27.1	-47.2
1C3F1S1	26,652	25.5	26,689	29.2	-12.7	3,880	13.6	110,162	28.3	-51.9
3C1F2S1	26,532	22.1	26,582	27.5	-19.6	80	--	107,387	25.2	--
3C3F2S1	38,220	22.2	38,254	33.7	-34.1	10,725	22.6	145,276	26.9	-16
High Profit										
1C2F2S2	4,545	25.2	4,560	34.4	-26.7	86	--	18,780	29.7	--
1C2F3S1	6,293	28.1	6,372	33.7	-16.6	1,139	21.1	24,729	31.2	-32.4
1C3F2S1	48,752	29.7	48,786	34	-12.6	10,456	24.8	194,146	32.5	-23.7
1C3F3S1	17,529	29.9	17,559	35.6	-16	16,388	25.6	56,648	35.8	-28.5
3C1F3S1	7,403	28.9	7,421	34	-15	193	10.7	29,759	32.4	-67
3C2F3S1	14,503	23.2	14,511	33.9	-31.6	500	16.8	58,227	29.3	-42.7
3C3F3S1	28,812	27	28,852	35.1	-23.1	34,338	25.8	82,882	33.1	-22.1
5C1F2S1	4,164	25.5	4,239	26.5	-3.8	13	--	17,011	26	--
5C2F3S1	8,171	25.1	8,185	27.2	-7.7	369	17.3	32,933	26.3	-34.2
5C3F2S1	8,123	25.5	8,125	27.4	-6.9	2,045	20.9	31,378	27.2	-23.2

Note: "--" indicates that the number of cases was too small to estimate

Table 7. Implied Margins (%) for Episodes for Which Patients Were Limited or Independent in Selected Activities by HHRG

HHRG	Vision					Cognitive Function					Dressing Upper Body				
	Severe		Normal		Difference	Needs Much Assistance		Alert & Oriented		Difference	Totally Dependent		No assistance needed		Difference
	N	%	N	%	%	N	%	N	%	%	N	%	N	%	%
Low Profit															
1C1F1S1	173	2.5	39,279	11.6	-78.40%	441	1.1	26,030	13.4	-91.80%	108	7	34,109	11.3	-38.10%
1C1F2S1	324	13.4	35,573	18.2	-26.4	1,391	15.9	20,743	19.9	-20.1	1,122	15.6	4,987	21.7	-28.1
3C1F1S1	508	12.7	43,256	18.3	-30.6	59	--	4,531	6.4	--	82	--	43,206	17.4	--
3C2F1S1	1,428	6.9	51,175	20.3	-66	51	--	4,869	7.2	--	105	0.8	57,098	16.5	-95.2
3C2F2S1	4,856	15.2	75,733	25.2	-39.7	517	18.1	7,786	16	13.1	4,384	12.1	9,837	20.4	-40.7
3C3F1S1	1,749	19.4	36,052	23.8	-18.5	61	--	5,245	17.2	--	125	0.6	41,955	21.4	-97.2
Moderate Profit															
1C2F1S1	687	19.8	68,650	24	-17.5	559	15.7	45,888	24.2	-35.1	139	18.7	61,699	23.8	-21.4
1C2F2S1	1,580	24.1	88,194	27.2	-11.4	2,904	24.3	49,739	27.5	-11.6	3,047	23	10,584	28.3	-18.7
1C3F1S1	1,765	23.3	81,713	27.2	-14.3	455	25	60,919	26.9	-7.1	137	28.1	80,257	26.9	4.5
3C1F2S1	1,491	24.1	55,238	25.4	-5.1	443	19.9	5,580	16.4	21.3	2,561	19.2	7,030	23.4	-17.9
3C3F2S1	7,410	17.2	59,362	31.1	-44.7	425	24.7	8,655	23.2	6.5	4,656	23.3	9,474	26.5	-12.1
High Profit															
1C2F2S2	222	31.6	14,942	30.5	3.6	487	30.9	10,166	32.3	-4.3	435	26.7	1,973	36.5	-26.8
1C2F3S1	940	30	16,122	30.6	-2	1,329	30.5	6,705	29.7	2.7	9,313	29.9	403	30.3	-1.3
1C3F2S1	5,327	30.9	116,070	31.2	-1	3,503	32.3	75,629	30.5	5.9	5,089	29.8	16,028	29.8	0
1C3F3S1	4,300	33.5	35,028	31.9	5	6,282	33.8	17,807	31.6	7	28,954	32.1	1,057	28.2	13.8
3C1F3S1	1,213	28.6	13,066	31.7	-9.8	438	26.5	1,164	24.9	6.4	8,977	27.7	707	31.1	-10.9
3C2F3S1	2,996	28.1	22,628	31.2	-9.9	801	27.4	2,021	24.6	11.4	19,494	24.1	1,094	28.2	-14.5
3C3F3S1	7,627	29.5	52,662	30.9	-4.5	1,820	30.4	5,815	28.5	6.7	53,603	29.4	2,788	24.3	21
5C1F2S1	232	22.4	13,042	26.2	-14.5	376	25.6	8,853	26.9	-4.8	411	22.1	1,514	29.1	-24.1
5C2F3S1	784	25.1	21,626	27.3	-8.1	1,446	26.8	10,000	27.8	-3.6	5,419	23.2	895	32.1	-27.7
5C3F2S1	616	26.6	22,814	27.2	-2.2	761	26.6	14,003	27.9	-4.7	1,065	24.2	1,743	29	-16.6

Note: "--" indicates that the number of cases was too small to estimate

APPENDIX C: DETAILED RESULTS OF DECILE ANALYSIS**Table 8. Distribution of the Mean Values of Variables Examined Across Margin Deciles**

Variable Description	Decile 1	Decile 2	Decile 3	Decile 4	Decile 5	Decile 6	Decile 7	Decile 8	Decile 9	Decile 10
Acute Myocardial Infarction	0.1671	0.1836	0.1890	0.1897	0.1872	0.1814	0.1724	0.1554	0.1368	0.1254
Acute Myocardial Infarction: Complex	0.1436	0.1591	0.1629	0.1629	0.1597	0.1544	0.1453	0.1285	0.1087	0.0942
Continuous Positive Airway Pressure Required	0.0128	0.0120	0.0120	0.0118	0.0111	0.0116	0.0130	0.0134	0.0141	0.0140
At Least Weekly Behavioral Problems	0.1318	0.1305	0.1285	0.1290	0.1305	0.1349	0.1388	0.1386	0.1418	0.1428
Alzheimer's	0.0438	0.0439	0.0425	0.0431	0.0429	0.0425	0.0428	0.0424	0.0446	0.0468
Alzheimer's: Complex	0.0479	0.0497	0.0477	0.0482	0.0481	0.0475	0.0478	0.0462	0.0468	0.0475
Asian	0.0173	0.0185	0.0194	0.0185	0.0181	0.0166	0.0166	0.0149	0.0122	0.0088
Delusional Behavior	0.0152	0.0164	0.0165	0.0163	0.0165	0.0156	0.0152	0.0139	0.0129	0.0131
Impaired Decisions Behavior	0.2593	0.2521	0.2467	0.2439	0.2399	0.2438	0.2471	0.2490	0.2532	0.2600
Memory Deficient Behavior	0.1923	0.1858	0.1819	0.1808	0.1844	0.1873	0.1935	0.2002	0.2171	0.2384
Physically Aggressive Behavior	0.0075	0.0082	0.0076	0.0080	0.0080	0.0078	0.0082	0.0082	0.0081	0.0075
Socially Inappropriate Behavior	0.0091	0.0100	0.0090	0.0091	0.0093	0.0093	0.0096	0.0092	0.0087	0.0083
Verbal Disruptive Behavior	0.0163	0.0168	0.0155	0.0159	0.0161	0.0161	0.0166	0.0161	0.0164	0.0155
Black	0.1963	0.2087	0.2109	0.2034	0.1925	0.1814	0.1745	0.1622	0.1500	0.1319
Cancer	0.0014	0.0013	0.0013	0.0012	0.0013	0.0017	0.0018	0.0017	0.0013	0.0008
Cancer: Complex	0.0152	0.0144	0.0141	0.0136	0.0156	0.0177	0.0196	0.0202	0.0162	0.0109
Cardiac Dysrhythmia	0.1003	0.1072	0.1072	0.1048	0.1008	0.0956	0.0871	0.0790	0.0707	0.0672
Cardiac Dysrhythmia: Complex	0.1074	0.1179	0.1169	0.1144	0.1085	0.1006	0.0898	0.0788	0.0666	0.0597
Chronic Hepatic Renal Disease	0.0668	0.0632	0.0613	0.0601	0.0607	0.0620	0.0618	0.0602	0.0553	0.0472
Chronic Hepatic Renal Disease: Complex	0.0705	0.0668	0.0657	0.0647	0.0653	0.0662	0.0647	0.0626	0.0550	0.0436
Chronic Pulmonary	0.1552	0.1653	0.1667	0.1647	0.1641	0.1663	0.1632	0.1573	0.1429	0.1349
Chronic Pulmonary: Complex	0.1667	0.1814	0.1829	0.1806	0.1785	0.1803	0.1757	0.1654	0.1441	0.1246
Community Admissions Clinically Complex	0.5566	0.5759	0.5832	0.5853	0.5808	0.5751	0.5654	0.5441	0.5244	0.5144
Community Admissions Other	0.0889	0.0777	0.0756	0.0761	0.0767	0.0782	0.0828	0.0925	0.1036	0.1147
Post-Acute Clinically Complex	0.3211	0.3138	0.3067	0.3018	0.3039	0.3079	0.3108	0.3180	0.3224	0.3239
Post-Acute Other	0.0093	0.0098	0.0095	0.0092	0.0094	0.0088	0.0083	0.0085	0.0091	0.0091
Post-Acute Restorative Care	0.0240	0.0228	0.0250	0.0276	0.0293	0.0300	0.0327	0.0368	0.0406	0.0379
Cognitive Function Impairment	0.3272	0.3126	0.2950	0.2792	0.2735	0.2732	0.2790	0.2905	0.3117	0.3623
Dementia	0.0836	0.0853	0.0841	0.0837	0.0838	0.0856	0.0869	0.0884	0.0974	0.1111
Dementia: Complex	0.0920	0.0955	0.0936	0.0941	0.0930	0.0938	0.0930	0.0913	0.0962	0.1050
Depression	0.0975	0.0995	0.1016	0.1051	0.1103	0.1198	0.1271	0.1338	0.1312	0.1344
Depression: Complex	0.0890	0.0927	0.0949	0.0980	0.1022	0.1102	0.1146	0.1185	0.1127	0.1065

Variable Description	Decile 1	Decile 2	Decile 3	Decile 4	Decile 5	Decile 6	Decile 7	Decile 8	Decile 9	Decile 10
Diabetes	0.2839	0.2441	0.2448	0.2482	0.2566	0.2697	0.2809	0.2846	0.2738	0.2757
Diabetes: Complex	0.3177	0.2792	0.2775	0.2823	0.2887	0.3001	0.3080	0.3045	0.2752	0.2502
Female	0.6396	0.6442	0.6456	0.6462	0.6473	0.6454	0.6482	0.6474	0.6557	0.6644
Government Ownership	0.0175	0.0114	0.0101	0.0090	0.0081	0.0069	0.0061	0.0060	0.0054	0.0056
Heart Disease	0.0217	0.0240	0.0233	0.0223	0.0217	0.0195	0.0175	0.0153	0.0126	0.0110
Heart Disease: Complex	0.0233	0.0262	0.0254	0.0239	0.0233	0.0204	0.0182	0.0153	0.0116	0.0096
Heart Failure	0.1575	0.1612	0.1555	0.1524	0.1497	0.1446	0.1386	0.1295	0.1211	0.1134
Heart Failure: Complex	0.1775	0.1853	0.1805	0.1767	0.1717	0.1658	0.1560	0.1430	0.1272	0.1100
Hispanic	0.0495	0.0415	0.0424	0.0435	0.0428	0.0426	0.0425	0.0406	0.0395	0.0486
HPSA County	0.9169	0.9119	0.9100	0.9093	0.9060	0.9004	0.8970	0.8914	0.8834	0.8782
Hypertension	0.5231	0.5353	0.5425	0.5474	0.5500	0.5547	0.5565	0.5548	0.5616	0.5976
Hypertension Complex	0.5539	0.5840	0.5929	0.5949	0.5922	0.5883	0.5762	0.5490	0.5088	0.4865
Open Lesion	0.2211	0.1775	0.1595	0.1509	0.1502	0.1518	0.1569	0.1643	0.1528	0.1173
LIS Eligible	0.4409	0.4362	0.4396	0.4374	0.4310	0.4237	0.4173	0.3995	0.3761	0.3526
Hospitalization Risk: 5+ Medications	0.8238	0.8217	0.8204	0.8235	0.8244	0.8284	0.8313	0.8316	0.8345	0.8471
Hospitalization Risk: Frailty	0.2941	0.2849	0.2738	0.2640	0.2628	0.2647	0.2644	0.2611	0.2572	0.2492
Hospitalization Risk: History Of Falls	0.2840	0.2725	0.2631	0.2594	0.2626	0.2719	0.2834	0.3002	0.3342	0.3907
Hospitalization Risk: Multiple Hospitalization	0.3075	0.2811	0.2701	0.2610	0.2637	0.2677	0.2689	0.2699	0.2702	0.2616
Hospitalization Risk: Other	0.1165	0.1043	0.0997	0.0962	0.0972	0.0985	0.0968	0.0966	0.0967	0.0954
Hospitalization Risk: Recent Decline	0.1628	0.1597	0.1520	0.1483	0.1460	0.1481	0.1471	0.1474	0.1505	0.1578
Fragile Serious Overall Status	0.3347	0.3087	0.2921	0.2814	0.2868	0.2931	0.2978	0.2993	0.2941	0.2694
Stable Overall Status	0.1327	0.1360	0.1434	0.1505	0.1544	0.1572	0.1634	0.1770	0.2001	0.2305
Temporary Health Risk Overall Status	0.5326	0.5554	0.5646	0.5680	0.5588	0.5498	0.5388	0.5237	0.5059	0.5001
Patient Living Alone	0.3152	0.3128	0.3049	0.2987	0.2861	0.2751	0.2633	0.2471	0.2257	0.2075
Patient Living In Congregate Facility	0.0936	0.0879	0.0879	0.0909	0.0941	0.0994	0.1046	0.1186	0.1457	0.1992
Patient Living With Others	0.5913	0.5993	0.6072	0.6104	0.6198	0.6254	0.6322	0.6343	0.6286	0.5933
Hearing Partially Or Severely Impaired	0.2740	0.2702	0.2584	0.2456	0.2412	0.2421	0.2445	0.2534	0.2688	0.3008
Clearly Understands Verbal	0.5246	0.5308	0.5387	0.5480	0.5500	0.5525	0.5517	0.5586	0.5622	0.5550
Sometimes Or Never Understands Verbal	0.0927	0.0871	0.0807	0.0801	0.0807	0.0827	0.0858	0.0882	0.0952	0.0915
Usually Understands Verbal	0.3827	0.3821	0.3806	0.3719	0.3693	0.3648	0.3625	0.3532	0.3426	0.3536
Constant Pain	0.0975	0.0902	0.0870	0.0866	0.0892	0.0939	0.0980	0.1060	0.1100	0.1091
Daily Pain	0.4702	0.4683	0.4748	0.4747	0.4789	0.4850	0.4939	0.4949	0.4940	0.4795
Minimum Pain	0.0899	0.0916	0.0903	0.0918	0.0908	0.0890	0.0873	0.0866	0.0870	0.0880
Moderate Pain	0.1234	0.1335	0.1370	0.1370	0.1347	0.1286	0.1234	0.1171	0.1098	0.1071
No Pain	0.2189	0.2164	0.2108	0.2099	0.2064	0.2034	0.1974	0.1954	0.1992	0.2163
Unhealed Stage 2 Pressure Ulcer	0.0797	0.0481	0.0387	0.0345	0.0346	0.0376	0.0416	0.0520	0.0672	0.0528

Variable Description	Decile 1	Decile 2	Decile 3	Decile 4	Decile 5	Decile 6	Decile 7	Decile 8	Decile 9	Decile 10
Stasis Ulcer Present	0.0340	0.0207	0.0157	0.0142	0.0139	0.0142	0.0163	0.0200	0.0223	0.0137
Surgical Wound Present	0.1662	0.1481	0.1524	0.1574	0.1665	0.1745	0.1845	0.1966	0.1994	0.1667
Depression Screening Different Assessment Does Not Need Evaluation	0.8916	0.8992	0.9057	0.9099	0.9113	0.9097	0.9077	0.9012	0.8926	0.8854
Depression Screening Not Applicable	0.0101	0.0088	0.0076	0.0076	0.0077	0.0087	0.0089	0.0108	0.0126	0.0134
Depression Screening None	0.0486	0.0470	0.0449	0.0418	0.0420	0.0414	0.0432	0.0458	0.0505	0.0531
Depression Screening Different Assessment Needs Evaluation	0.0498	0.0450	0.0419	0.0407	0.0391	0.0402	0.0401	0.0422	0.0443	0.0481
Bathing: Able To Bathe Independently	0.0400	0.0488	0.0524	0.0562	0.0501	0.0430	0.0346	0.0278	0.0155	0.0106
Bathing: Able To Bathe With Use Of Devices	0.1264	0.1667	0.1790	0.1730	0.1519	0.1308	0.1056	0.0914	0.0647	0.0517
Bathing: Needs Assistance	0.2462	0.2660	0.2809	0.2954	0.3012	0.3025	0.3011	0.2863	0.2617	0.2419
Bathing: Needs Assistance Throughout	0.3496	0.3255	0.3103	0.3007	0.3160	0.3293	0.3442	0.3548	0.3807	0.4228
Bathing: Bathed In Bed Or Bedside Chair Independently	0.0570	0.0522	0.0514	0.0532	0.0543	0.0573	0.0619	0.0652	0.0682	0.0610
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	0.0957	0.0796	0.0732	0.0709	0.0747	0.0796	0.0873	0.0968	0.1115	0.1190
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	0.0852	0.0611	0.0528	0.0507	0.0518	0.0575	0.0652	0.0777	0.0977	0.0930
Toilet Transferring: Independent	0.4476	0.4820	0.4880	0.4909	0.4673	0.4422	0.4065	0.3792	0.3277	0.2941
Toilet Transferring: When Assisted	0.3822	0.3856	0.3909	0.3885	0.4027	0.4120	0.4234	0.4207	0.4314	0.4658
Toilet Transferring: Unable To Transfer, Uses Commode	0.0746	0.0663	0.0638	0.0664	0.0724	0.0811	0.0954	0.1090	0.1240	0.1253
Toilet Transferring: Uses Bedpan	0.0119	0.0090	0.0081	0.0075	0.0087	0.0095	0.0103	0.0126	0.0156	0.0169
Toilet Transferring: Totally Dependent	0.0838	0.0572	0.0492	0.0467	0.0488	0.0552	0.0644	0.0785	0.1013	0.0978
Toileting Hygiene: Independent	0.3309	0.3596	0.3655	0.3704	0.3547	0.3376	0.3155	0.3032	0.2745	0.2485
Toileting Hygiene: Able To Manage With Preparation	0.3266	0.3511	0.3616	0.3616	0.3633	0.3655	0.3632	0.3488	0.3282	0.3140
Toileting Hygiene: Needs Assistance	0.2398	0.2153	0.2072	0.2054	0.2166	0.2235	0.2392	0.2511	0.2768	0.3120
Toileting Hygiene: Totally Dependent	0.1026	0.0740	0.0658	0.0626	0.0654	0.0733	0.0821	0.0970	0.1205	0.1255
Transferring: Independent	0.1478	0.1672	0.1720	0.1733	0.1610	0.1441	0.1233	0.1090	0.0771	0.0604
Transferring: Able To Transfer Minimal Assistance	0.6406	0.6617	0.6691	0.6705	0.6719	0.6719	0.6681	0.6505	0.6303	0.6105
Transferring: Able To Bear Weight	0.1293	0.1143	0.1094	0.1094	0.1162	0.1284	0.1433	0.1627	0.1908	0.2282

Variable Description	Decile 1	Decile 2	Decile 3	Decile 4	Decile 5	Decile 6	Decile 7	Decile 8	Decile 9	Decile 10
Transferring: Unable To Transfer	0.0468	0.0339	0.0296	0.0284	0.0320	0.0346	0.0408	0.0479	0.0620	0.0675
Transferring: Bedfast, Able To Position	0.0096	0.0061	0.0057	0.0053	0.0058	0.0062	0.0070	0.0086	0.0111	0.0107
Transferring: Bedfast, Unable To Position	0.0259	0.0168	0.0141	0.0130	0.0132	0.0147	0.0175	0.0212	0.0288	0.0227
Ambulation: Independent	0.0670	0.0784	0.0827	0.0849	0.0765	0.0659	0.0515	0.0397	0.0193	0.0137
Ambulation: Requires One-Hand Device	0.2064	0.2412	0.2547	0.2580	0.2453	0.2292	0.2108	0.1806	0.1360	0.1070
Ambulation: Requires Two-Handed Device	0.4196	0.4238	0.4224	0.4198	0.4262	0.4289	0.4279	0.4205	0.4061	0.3775
Ambulation: Requires Assistance	0.1818	0.1698	0.1654	0.1655	0.1757	0.1901	0.2108	0.2385	0.2819	0.3358
Ambulation: Chairfast, Can Wheel Self	0.0547	0.0391	0.0340	0.0329	0.0349	0.0399	0.0444	0.0542	0.0690	0.0776
Ambulation: Chairfast, Cannot Wheel Self	0.0517	0.0359	0.0307	0.0295	0.0320	0.0357	0.0424	0.0521	0.0683	0.0746
Ambulation: Unable To Sit In A Chair	0.0187	0.0119	0.0101	0.0094	0.0093	0.0102	0.0122	0.0144	0.0194	0.0138
Fall Risk: No Evaluation Conducted	0.0503	0.0504	0.0502	0.0501	0.0514	0.0527	0.0523	0.0561	0.0607	0.0590
Fall Risk: Not a Risk	0.1606	0.1652	0.1710	0.1728	0.1709	0.1640	0.1553	0.1468	0.1239	0.0983
Fall Risk: Is A Risk	0.7891	0.7844	0.7789	0.7772	0.7777	0.7833	0.7923	0.7971	0.8154	0.8427
Oral Medication Management: Dependent	0.2314	0.2090	0.1995	0.1982	0.2067	0.2196	0.2330	0.2553	0.2941	0.3423
Oral Medication Management: Independent	0.2750	0.2850	0.2919	0.3002	0.3016	0.2972	0.2926	0.2901	0.2730	0.2370
Oral Medication Management: Minimal Assistance	0.3397	0.3567	0.3597	0.3566	0.3452	0.3365	0.3260	0.3099	0.2896	0.2745
Oral Medication Management: Moderate Assistance Needed	0.1445	0.1415	0.1414	0.1378	0.1392	0.1395	0.1403	0.1364	0.1342	0.1382
Oral Medication Management: NA	0.0094	0.0078	0.0075	0.0072	0.0074	0.0073	0.0080	0.0082	0.0091	0.0080
Assistance Given: ADLs	0.7385	0.7765	0.8029	0.8145	0.8205	0.8222	0.8232	0.8247	0.8206	0.8204
Assistance Given: IADLs	0.8503	0.8716	0.8883	0.8928	0.8999	0.9010	0.9054	0.9090	0.9176	0.9254
Assistance Given: Medication Administration	0.8224	0.8374	0.8488	0.8528	0.8578	0.8604	0.8676	0.8752	0.8955	0.9139
Assistance Given: Procedure or Treatments	0.7783	0.8430	0.8652	0.8722	0.8742	0.8719	0.8680	0.8609	0.8663	0.8894
Behavioral Problem: Once A Month	0.0068	0.0070	0.0064	0.0070	0.0069	0.0073	0.0077	0.0076	0.0072	0.0066
Behavioral Problem: Several Times A Month	0.0364	0.0380	0.0381	0.0379	0.0349	0.0328	0.0317	0.0306	0.0283	0.0259
Moderate Cognitive Impairment	0.1215	0.1148	0.1085	0.1047	0.1070	0.1073	0.1112	0.1123	0.1202	0.1303
Dyspneic: With Moderate Exertion	0.3347	0.3458	0.3532	0.3537	0.3589	0.3601	0.3582	0.3439	0.3223	0.3165
Moderate Speech Impairment	0.0807	0.0754	0.0724	0.0705	0.0710	0.0722	0.0760	0.0777	0.0836	0.0907

Variable Description	Decile 1	Decile 2	Decile 3	Decile 4	Decile 5	Decile 6	Decile 7	Decile 8	Decile 9	Decile 10
Moderate Understanding Impairment	0.0848	0.0805	0.0747	0.0742	0.0746	0.0761	0.0789	0.0803	0.0870	0.0852
Musculoskeletal Connective Tissue	0.2194	0.2413	0.2553	0.2552	0.2521	0.2494	0.2489	0.2477	0.2508	0.2474
Musculoskeletal Connective Tissue: Complex	0.2323	0.2609	0.2738	0.2706	0.2661	0.2606	0.2593	0.2569	0.2584	0.2583
Native American	0.0041	0.0044	0.0044	0.0044	0.0043	0.0043	0.0041	0.0039	0.0042	0.0028
Neurological Disorder Not Alzheimer's	0.0492	0.0407	0.0371	0.0371	0.0390	0.0417	0.0479	0.0561	0.0704	0.0797
Neurological Disorder Not Alzheimer's: Complex	0.0533	0.0449	0.0409	0.0409	0.0428	0.0460	0.0532	0.0631	0.0797	0.0939
No Or Minimal Behavioral Problem Frequency	0.8251	0.8244	0.8270	0.8262	0.8277	0.8250	0.8218	0.8232	0.8226	0.8247
No Or Minimal Cognitive Impairment	0.8309	0.8438	0.8531	0.8570	0.8535	0.8514	0.8449	0.8387	0.8248	0.8173
Dyspneic: None Or When Walking	0.4702	0.4636	0.4619	0.4644	0.4547	0.4467	0.4459	0.4625	0.4985	0.5295
None To Infrequent Speech Understanding	0.8752	0.8884	0.8952	0.8979	0.8966	0.8922	0.8863	0.8799	0.8678	0.8610
None To Infrequent Verbal Understanding	0.9024	0.9095	0.9160	0.9168	0.9162	0.9136	0.9101	0.9069	0.8995	0.9047
Ostomy	0.0174	0.0123	0.0111	0.0102	0.0115	0.0130	0.0166	0.0207	0.0231	0.0193
Other Race	0.0110	0.0100	0.0100	0.0099	0.0096	0.0096	0.0097	0.0094	0.0089	0.0078
On Oxygen	0.1002	0.0971	0.0899	0.0846	0.0820	0.0832	0.0829	0.0829	0.0847	0.0865
Peripheral Vascular Disease	0.0407	0.0345	0.0318	0.0305	0.0295	0.0297	0.0291	0.0285	0.0268	0.0218
Peripheral Vascular Disease: Complex	0.0468	0.0384	0.0351	0.0339	0.0326	0.0322	0.0319	0.0308	0.0286	0.0209
Proprietary Ownership	0.7820	0.8203	0.8349	0.8380	0.8388	0.8418	0.8414	0.8403	0.8450	0.8510
Psychiatric Nursing Services At Home	0.0174	0.0210	0.0219	0.0229	0.0214	0.0197	0.0183	0.0151	0.0132	0.0140
Psychiatric Disorder	0.0233	0.0251	0.0256	0.0277	0.0279	0.0277	0.0271	0.0263	0.0238	0.0237
Psychiatric Disorder: Complex	0.0225	0.0250	0.0259	0.0279	0.0281	0.0273	0.0261	0.0249	0.0209	0.0194
Pulmonary Disorder	0.0106	0.0106	0.0100	0.0094	0.0082	0.0083	0.0069	0.0061	0.0053	0.0043
Pulmonary Disorder: Complex	0.0122	0.0120	0.0113	0.0106	0.0095	0.0093	0.0078	0.0070	0.0057	0.0046
HCC Score Quartile 1	0.2263	0.2628	0.2753	0.2824	0.2797	0.2761	0.2716	0.2658	0.2578	0.2439
Poverty Percentage 2011 Quartile 1	0.2779	0.2669	0.2608	0.2597	0.2602	0.2668	0.2705	0.2798	0.2943	0.3081
Provider Volume Quartile 1	0.3507	0.3101	0.2859	0.2591	0.2440	0.2263	0.2207	0.2126	0.2044	0.2056
Median HH Income Zip Quartile 1	0.2882	0.2968	0.3024	0.3019	0.2989	0.2922	0.2901	0.2769	0.2633	0.2430
HCC Score Quartile 2	0.2317	0.2469	0.2525	0.2564	0.2533	0.2510	0.2507	0.2475	0.2464	0.2576
Poverty Percentage 2011 Quartile 2	0.2954	0.3251	0.3348	0.3319	0.3251	0.3158	0.3092	0.3041	0.2926	0.2864
Provider Volume Quartile 2	0.2506	0.2668	0.2716	0.2707	0.2647	0.2569	0.2472	0.2432	0.2370	0.2241
Median HH Income Zip Quartile 2	0.2026	0.2049	0.2061	0.2044	0.2045	0.2054	0.2031	0.2035	0.1969	0.1923
HCC Score Quartile 3	0.2533	0.2455	0.2414	0.2369	0.2407	0.2409	0.2404	0.2406	0.2405	0.2507

Variable Description	Decile 1	Decile 2	Decile 3	Decile 4	Decile 5	Decile 6	Decile 7	Decile 8	Decile 9	Decile 10
Poverty Percentage 2011 Quartile 3	0.2070	0.1878	0.1814	0.1811	0.1826	0.1840	0.1851	0.1887	0.1955	0.2208
Provider Volume Quartile 3	0.1933	0.2170	0.2302	0.2425	0.2510	0.2601	0.2629	0.2653	0.2708	0.2685
Median HH Income Zip Quartile 3	0.2193	0.2177	0.2151	0.2148	0.2169	0.2152	0.2166	0.2165	0.2181	0.2254
HCC Score Quartile 4	0.2888	0.2448	0.2308	0.2244	0.2263	0.2320	0.2373	0.2461	0.2552	0.2477
Poverty Percentage 2011 Quartile 4	0.2197	0.2201	0.2230	0.2272	0.2320	0.2333	0.2353	0.2274	0.2176	0.1847
Provider Volume Quartile 4	0.2054	0.2061	0.2123	0.2277	0.2403	0.2566	0.2691	0.2789	0.2878	0.3018
Median HH Income Zip Quartile 4	0.2899	0.2806	0.2764	0.2789	0.2797	0.2872	0.2902	0.3031	0.3217	0.3393
Dyspneic: When At Rest	0.0318	0.0298	0.0277	0.0272	0.0276	0.0284	0.0284	0.0290	0.0283	0.0231
Risk: Alcoholism	0.0230	0.0245	0.0243	0.0234	0.0227	0.0230	0.0208	0.0205	0.0180	0.0148
Risk: Drugs	0.0106	0.0097	0.0098	0.0094	0.0093	0.0099	0.0096	0.0092	0.0084	0.0070
Risk: Obesity	0.2092	0.1931	0.1880	0.1861	0.1862	0.1907	0.1928	0.1968	0.1918	0.1831
Risk: Smoking	0.1335	0.1383	0.1370	0.1331	0.1301	0.1283	0.1246	0.1184	0.1068	0.0925
Severe Cognitive Impairment	0.0235	0.0208	0.0188	0.0186	0.0187	0.0196	0.0210	0.0239	0.0289	0.0310
Dyspneic: With Minimal Exertion	0.1568	0.1552	0.1519	0.1496	0.1538	0.1597	0.1624	0.1596	0.1464	0.1267
Severe Understanding Impairment	0.0043	0.0038	0.0031	0.0033	0.0033	0.0035	0.0036	0.0041	0.0045	0.0036
Severe Speech Impairment	0.0278	0.0223	0.0188	0.0187	0.0188	0.0208	0.0218	0.0251	0.0294	0.0317
Stasis Ulcer	0.0319	0.0192	0.0144	0.0130	0.0128	0.0129	0.0147	0.0183	0.0205	0.0122
Stroke	0.0722	0.0647	0.0621	0.0614	0.0626	0.0665	0.0717	0.0785	0.0928	0.1259
Stroke: Complex	0.0773	0.0699	0.0672	0.0663	0.0674	0.0718	0.0775	0.0857	0.1028	0.1425
Surgical Procedure	0.3523	0.3211	0.3225	0.3285	0.3409	0.3562	0.3782	0.4129	0.4643	0.5011
Intravenous Therapy At Home	0.0158	0.0113	0.0103	0.0097	0.0100	0.0113	0.0123	0.0147	0.0164	0.0157
Complete Cognitive Impairment	0.0107	0.0084	0.0077	0.0075	0.0077	0.0084	0.0095	0.0111	0.0120	0.0089
Traumatic Wounds	0.0038	0.0030	0.0024	0.0023	0.0024	0.0025	0.0024	0.0025	0.0025	0.0017
Ulcer	0.1068	0.0662	0.0525	0.0479	0.0487	0.0527	0.0587	0.0716	0.0883	0.0677
Unknown Race	0.0018	0.0016	0.0017	0.0016	0.0015	0.0015	0.0016	0.0018	0.0016	0.0017
Ventilator	0.0009	0.0007	0.0006	0.0005	0.0006	0.0005	0.0006	0.0007	0.0009	0.0008
Vision Impairment With Missing	0.3785	0.3658	0.3688	0.3650	0.3641	0.3678	0.3732	0.3684	0.3536	0.3408
Voluntary Ownership	0.2004	0.1683	0.1550	0.1529	0.1531	0.1513	0.1525	0.1538	0.1496	0.1434
Caucasian	0.7199	0.7153	0.7112	0.7187	0.7312	0.7441	0.7510	0.7673	0.7836	0.7984

APPENDIX D: FULL REGRESSION MODELS OF WAGE INDEX-ADJUSTED MARGIN ON INDEPENDENT VARIABLES

Table 9. Regression Model of Wage Index-Adjusted Margin on HHRG Only

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
N	2,486,381				2,486,381			
R-Squared	0.131				0.285			
Root MSE	1,145.81				1,040.44			
Constant	149.39	5.50	27.17	<.0001	N/A	N/A	N/A	N/A
HHRGs (Reference Category: 1C1F1S1)								
1C1F1S2	404.50	15.47	26.14	<.0001	356.41	14.08	25.31	<.0001
1C1F1S3	549.98	10.59	51.95	<.0001	489.24	9.64	50.73	<.0001
1C1F1S4	686.83	17.89	38.39	<.0001	621.27	16.28	38.16	<.0001
1C1F1S5	755.68	12.22	61.86	<.0001	686.28	11.13	61.64	<.0001
1C1F2S1	130.22	7.91	16.46	<.0001	118.25	7.22	16.39	<.0001
1C1F2S2	533.82	12.21	43.70	<.0001	480.93	11.14	43.18	<.0001
1C1F2S3	670.67	8.42	79.63	<.0001	606.45	7.70	78.80	<.0001
1C1F2S4	795.49	12.80	62.16	<.0001	716.99	11.66	61.49	<.0001
1C1F2S5	868.96	9.00	96.60	<.0001	789.91	8.22	96.10	<.0001
1C1F3S1	230.47	15.11	15.25	<.0001	201.87	13.76	14.67	<.0001
1C1F3S2	612.78	32.25	19.00	<.0001	561.11	29.34	19.13	<.0001
1C1F3S3	729.26	18.68	39.04	<.0001	667.31	17.00	39.25	<.0001
1C1F3S4	817.21	32.47	25.17	<.0001	758.81	29.53	25.70	<.0001
1C1F3S5	925.67	19.35	47.84	<.0001	864.13	17.63	49.02	<.0001
1C2F1S1	254.93	6.76	37.72	<.0001	276.37	6.16	44.90	<.0001
1C2F1S2	449.53	14.72	30.55	<.0001	431.32	13.39	32.22	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
1C2F1S3	575.18	10.08	57.04	<.0001	546.97	9.19	59.55	<.0001
1C2F1S4	682.32	17.00	40.13	<.0001	651.79	15.47	42.13	<.0001
1C2F1S5	754.54	11.39	66.25	<.0001	725.15	10.38	69.83	<.0001
1C2F2S1	374.21	6.42	58.33	<.0001	393.04	5.88	66.82	<.0001
1C2F2S2	603.89	9.99	60.43	<.0001	575.40	9.12	63.10	<.0001
1C2F2S3	697.55	7.31	95.37	<.0001	663.81	6.69	99.15	<.0001
1C2F2S4	806.64	10.28	78.47	<.0001	771.46	9.38	82.25	<.0001
1C2F2S5	854.41	7.62	112.18	<.0001	810.72	6.97	116.25	<.0001
1C2F3S1	512.84	9.03	56.82	<.0001	503.53	8.26	60.98	<.0001
1C2F3S2	661.75	20.44	32.38	<.0001	636.53	18.61	34.21	<.0001
1C2F3S3	761.83	12.38	61.54	<.0001	735.24	11.30	65.07	<.0001
1C2F3S4	840.30	20.21	41.58	<.0001	810.61	18.39	44.07	<.0001
1C2F3S5	889.59	12.78	69.59	<.0001	850.42	11.66	72.94	<.0001
1C3F1S1	454.61	6.47	70.24	<.0001	472.75	5.91	79.97	<.0001
1C3F1S2	438.41	18.25	24.02	<.0001	453.19	16.60	27.30	<.0001
1C3F1S3	555.77	12.00	46.31	<.0001	557.21	10.93	50.98	<.0001
1C3F1S4	636.17	20.81	30.57	<.0001	654.72	18.94	34.57	<.0001
1C3F1S5	717.94	13.75	52.21	<.0001	731.13	12.54	58.33	<.0001
1C3F2S1	615.59	6.06	101.56	<.0001	634.08	5.59	113.44	<.0001
1C3F2S2	625.28	10.41	60.04	<.0001	620.23	9.51	65.22	<.0001
1C3F2S3	712.43	7.52	94.79	<.0001	706.44	6.89	102.49	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
1C3F2S4	805.59	10.67	75.50	<.0001	785.14	9.75	80.55	<.0001
1C3F2S5	846.50	7.79	108.63	<.0001	825.91	7.15	115.53	<.0001
1C3F3S1	725.74	6.96	104.29	<.0001	728.26	6.41	113.64	<.0001
1C3F3S2	683.03	16.04	42.59	<.0001	676.51	14.62	46.26	<.0001
1C3F3S3	721.77	10.21	70.67	<.0001	718.58	9.35	76.85	<.0001
1C3F3S4	789.95	16.45	48.03	<.0001	783.80	14.99	52.30	<.0001
1C3F3S5	827.34	10.58	78.18	<.0001	814.03	9.69	84.04	<.0001
2C1F1S1	762.87	19.94	38.25	<.0001	718.48	18.21	39.46	<.0001
2C1F1S2	833.56	23.24	35.86	<.0001	771.16	21.21	36.36	<.0001
2C1F1S3	935.20	30.69	30.47	<.0001	829.23	27.97	29.65	<.0001
2C1F2S1	882.41	13.53	65.24	<.0001	828.53	12.36	67.05	<.0001
2C1F2S2	923.99	15.38	60.09	<.0001	850.45	14.03	60.62	<.0001
2C1F2S3	929.53	19.16	48.51	<.0001	829.85	17.45	47.54	<.0001
2C1F3S1	910.10	21.45	42.42	<.0001	902.06	19.54	46.15	<.0001
2C1F3S2	967.64	23.05	41.98	<.0001	896.88	20.99	42.73	<.0001
2C1F3S3	943.51	27.63	34.14	<.0001	859.15	25.15	34.16	<.0001
2C2F1S1	963.77	11.87	81.21	<.0001	950.90	10.90	87.21	<.0001
2C2F1S2	1030.77	13.91	74.11	<.0001	999.39	12.71	78.61	<.0001
2C2F1S3	1070.41	18.29	58.52	<.0001	992.18	16.68	59.48	<.0001
2C2F2S1	1099.95	8.23	133.63	<.0001	1063.75	7.57	140.48	<.0001
2C2F2S2	1165.90	9.09	128.21	<.0001	1091.69	8.34	130.91	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
2C2F2S3	1183.29	10.78	109.76	<.0001	1088.80	9.85	110.52	<.0001
2C2F3S1	1106.20	11.78	93.88	<.0001	1058.87	10.76	98.41	<.0001
2C2F3S2	1186.67	12.84	92.45	<.0001	1108.26	11.72	94.58	<.0001
2C2F3S3	1193.16	15.26	78.17	<.0001	1082.61	13.92	77.78	<.0001
2C3F1S1	1211.19	15.83	76.53	<.0001	1227.84	14.47	84.87	<.0001
2C3F1S2	1177.94	18.95	62.15	<.0001	1171.38	17.28	67.80	<.0001
2C3F1S3	1241.48	25.57	48.56	<.0001	1205.93	23.28	51.81	<.0001
2C3F2S1	1386.70	8.78	157.98	<.0001	1363.23	8.07	168.83	<.0001
2C3F2S2	1392.49	9.89	140.85	<.0001	1336.04	9.05	147.62	<.0001
2C3F2S3	1412.71	11.68	120.90	<.0001	1325.74	10.68	124.15	<.0001
2C3F3S1	1331.39	10.52	126.58	<.0001	1316.62	9.63	136.78	<.0001
2C3F3S2	1406.86	11.45	122.83	<.0001	1346.68	10.46	128.71	<.0001
2C3F3S3	1383.85	13.30	104.05	<.0001	1301.94	12.13	107.30	<.0001
3C1F1S1	103.77	7.83	13.26	<.0001	211.50	7.24	29.22	<.0001
3C1F1S2	182.91	35.12	5.21	<.0001	232.03	31.95	7.26	<.0001
3C1F1S3	348.85	20.13	17.33	<.0001	403.34	18.35	21.98	<.0001
3C1F1S4	376.01	33.01	11.39	<.0001	466.86	30.07	15.53	<.0001
3C1F1S5	453.12	20.00	22.66	<.0001	549.58	18.29	30.05	<.0001
3C1F2S1	318.03	7.00	45.44	<.0001	385.51	6.49	59.39	<.0001
3C1F2S2	353.24	22.73	15.54	<.0001	381.32	20.69	18.43	<.0001
3C1F2S3	482.21	13.19	36.55	<.0001	498.99	12.03	41.48	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
3C1F2S4	562.52	21.14	26.61	<.0001	619.08	19.25	32.16	<.0001
3C1F2S5	608.23	12.88	47.21	<.0001	659.43	11.78	55.98	<.0001
3C1F3S1	549.89	9.89	55.62	<.0001	567.87	9.15	62.07	<.0001
3C1F3S2	616.00	42.20	14.60	<.0001	577.62	38.37	15.05	<.0001
3C1F3S3	644.45	23.08	27.93	<.0001	637.40	21.01	30.34	<.0001
3C1F3S4	654.29	40.54	16.14	<.0001	677.53	36.88	18.37	<.0001
3C1F3S5	762.31	22.16	34.41	<.0001	778.19	20.23	38.47	<.0001
3C2F1S1	116.11	7.46	15.56	<.0001	212.96	6.88	30.94	<.0001
3C2F1S2	137.74	34.98	3.94	<.0001	182.76	31.81	5.74	<.0001
3C2F1S3	281.55	20.87	13.49	<.0001	324.17	19.00	17.06	<.0001
3C2F1S4	321.38	35.74	8.99	<.0001	404.55	32.52	12.44	<.0001
3C2F1S5	440.04	21.45	20.52	<.0001	514.01	19.57	26.27	<.0001
3C2F2S1	279.84	6.54	42.82	<.0001	357.27	6.07	58.82	<.0001
3C2F2S2	344.65	20.06	17.18	<.0001	354.93	18.26	19.43	<.0001
3C2F2S3	421.31	12.14	34.69	<.0001	436.83	11.08	39.41	<.0001
3C2F2S4	455.61	19.75	23.07	<.0001	487.15	17.98	27.09	<.0001
3C2F2S5	517.24	11.98	43.19	<.0001	561.52	10.95	51.28	<.0001
3C2F3S1	558.64	8.16	68.50	<.0001	587.20	7.56	77.66	<.0001
3C2F3S2	606.47	32.38	18.73	<.0001	594.44	29.46	20.18	<.0001
3C2F3S3	636.46	18.16	35.05	<.0001	639.29	16.55	38.62	<.0001
3C2F3S4	672.75	30.78	21.85	<.0001	690.39	28.01	24.65	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
3C2F3S5	664.75	18.02	36.89	<.0001	699.50	16.45	42.53	<.0001
3C3F1S1	336.68	7.98	42.21	<.0001	391.46	7.31	53.54	<.0001
3C3F1S2	486.74	47.22	10.31	<.0001	505.42	42.92	11.78	<.0001
3C3F1S3	519.37	27.69	18.75	<.0001	531.88	25.19	21.11	<.0001
3C3F1S4	616.05	51.33	12.00	<.0001	662.59	46.68	14.20	<.0001
3C3F1S5	578.52	31.34	18.46	<.0001	645.58	28.53	22.63	<.0001
3C3F2S1	560.77	6.64	84.47	<.0001	625.07	6.17	101.26	<.0001
3C3F2S2	604.31	22.31	27.08	<.0001	618.10	20.31	30.44	<.0001
3C3F2S3	682.61	13.51	50.51	<.0001	689.45	12.32	55.94	<.0001
3C3F2S4	799.73	22.12	36.16	<.0001	819.02	20.13	40.68	<.0001
3C3F2S5	740.11	13.77	53.77	<.0001	782.91	12.58	62.26	<.0001
3C3F3S1	802.39	6.96	115.22	<.0001	832.93	6.45	129.23	<.0001
3C3F3S2	766.66	25.45	30.13	<.0001	772.88	23.15	33.38	<.0001
3C3F3S3	873.50	15.43	56.62	<.0001	877.72	14.06	62.41	<.0001
3C3F3S4	956.85	26.55	36.04	<.0001	970.18	24.16	40.16	<.0001
3C3F3S5	876.42	15.58	56.27	<.0001	912.07	14.23	64.09	<.0001
4C1F1S1	572.43	28.28	20.24	<.0001	650.76	25.82	25.20	<.0001
4C1F1S2	682.15	30.78	22.16	<.0001	701.36	28.11	24.95	<.0001
4C1F1S3	751.26	45.42	16.54	<.0001	757.23	41.39	18.29	<.0001
4C1F2S1	681.70	17.53	38.89	<.0001	722.44	16.01	45.12	<.0001
4C1F2S2	748.24	18.68	40.05	<.0001	731.15	17.06	42.85	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
4C1F2S3	817.56	26.47	30.88	<.0001	777.05	24.11	32.22	<.0001
4C1F3S1	837.90	49.39	16.97	<.0001	879.33	44.92	19.57	<.0001
4C1F3S2	1040.92	51.84	20.08	<.0001	1023.60	47.15	21.71	<.0001
4C1F3S3	926.01	70.87	13.07	<.0001	899.83	64.44	13.96	<.0001
4C2F1S1	875.78	20.67	42.36	<.0001	1026.37	18.96	54.13	<.0001
4C2F1S2	938.79	24.70	38.01	<.0001	1024.99	22.55	45.45	<.0001
4C2F1S3	991.37	36.02	27.52	<.0001	1031.76	32.83	31.43	<.0001
4C2F2S1	936.79	11.18	83.81	<.0001	1034.02	10.28	100.58	<.0001
4C2F2S2	997.93	12.59	79.29	<.0001	1005.10	11.53	87.18	<.0001
4C2F2S3	1118.33	17.09	65.43	<.0001	1064.23	15.62	68.12	<.0001
4C2F3S1	1230.56	30.44	40.43	<.0001	1285.05	27.70	46.39	<.0001
4C2F3S2	1296.02	33.82	38.32	<.0001	1305.73	30.78	42.42	<.0001
4C2F3S3	1292.46	44.15	29.27	<.0001	1271.77	40.15	31.68	<.0001
4C3F1S1	1243.84	23.50	52.93	<.0001	1384.89	21.46	64.53	<.0001
4C3F1S2	1269.29	27.83	45.61	<.0001	1349.88	25.38	53.18	<.0001
4C3F1S3	1399.50	39.91	35.06	<.0001	1405.57	36.38	38.64	<.0001
4C3F2S1	1377.91	10.54	130.72	<.0001	1458.37	9.71	150.17	<.0001
4C3F2S2	1452.06	11.99	121.11	<.0001	1443.81	10.99	131.38	<.0001
4C3F2S3	1535.12	15.81	97.07	<.0001	1483.07	14.48	102.43	<.0001
4C3F3S1	1587.07	19.67	80.69	<.0001	1650.95	17.93	92.06	<.0001
4C3F3S2	1657.39	21.58	76.81	<.0001	1675.30	19.65	85.24	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$871.82)				Adjusted Payment Minus Cost (Mean \$871.82)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
4C3F3S3	1646.28	28.81	57.15	<.0001	1606.05	26.22	61.25	<.0001
5C1F1S1	1387.69	16.15	85.93	<.0001	1255.92	14.77	85.04	<.0001
5C1F2S1	1491.21	10.34	144.26	<.0001	1342.86	9.46	141.88	<.0001
5C1F3S1	1659.77	11.99	138.44	<.0001	1523.42	10.95	139.16	<.0001
5C2F1S1	1452.45	13.77	105.46	<.0001	1343.43	12.61	106.53	<.0001
5C2F2S1	1586.46	8.46	187.60	<.0001	1449.76	7.76	186.89	<.0001
5C2F3S1	1783.02	8.49	209.98	<.0001	1667.60	7.78	214.22	<.0001
5C3F1S1	1707.99	15.83	107.88	<.0001	1648.60	14.45	114.10	<.0001
5C3F2S1	1889.89	8.34	226.62	<.0001	1773.55	7.65	231.78	<.0001
5C3F3S1	1934.56	7.29	265.19	<.0001	1840.89	6.71	274.33	<.0001
This color shading indicates statistically not significant at the 5% level.								

Table 10. Full Regression Model of Wage Index-Adjusted Margin on All Independent Variables Without Dual Proportion Measure

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
N	1,902,714				1,902,714			
R-Squared	0.208				0.352			
Root MSE	1,046.37				947.58			
Constant	-277.84	10.30	-26.98	<.0001	N/A	N/A	N/A	N/A
Beneficiary-Level Factors {Reference Category: Male, Under 65 years of age, Caucasian}								
Female	-10.74	1.71	-6.26	<.0001	-19.41	1.57	-12.40	<.0001
Between 65 and 74 years of age	14.32	2.61	5.49	<.0001	5.26	2.38	2.21	0.03
Over 75 years of age	0.09	2.55	0.03	0.97	-15.88	2.34	-6.78	<.0001
Black	-75.15	2.33	-32.29	<.0001	-13.49	2.38	-5.67	<.0001
Other Race	-46.99	7.77	-6.05	<.0001	1.73	7.12	0.24	0.81
Asian	-57.39	6.17	-9.31	<.0001	14.04	6.14	2.29	0.02
Hispanic	-44.62	4.09	-10.91	<.0001	10.83	4.05	2.68	0.01
Native American	-40.78	12.45	-3.27	0.00	9.30	11.87	0.78	0.43
Unknown	-39.17	21.89	-1.79	0.07	-34.31	19.90	-1.72	0.08
Community HCC {Reference Category: HCC Score Quartile 1}								
HCC Score Quartile 2	-8.07	2.14	-3.78	0.00	-5.68	1.95	-2.92	0.00
HCC Score Quartile 3	-29.11	2.26	-12.90	<.0001	-26.10	2.06	-12.65	<.0001
HCC Score Quartile 4	-50.71	2.45	-20.67	<.0001	-45.09	2.26	-19.98	<.0001
Public Assistance {Reference Category: Non-LIS Beneficiary, Not Dual Eligible or LIS Status}								
LIS Eligible	-14.77	1.85	-8.00	<.0001	-7.09	1.74	-4.08	<.0001
HHA-Level Factors {Reference Category: Voluntary Ownership, Provider Volume Quartile 1}								
Proprietary Ownership	95.08	2.30	41.36	<.0001	N/A	N/A	N/A	N/A
Government Ownership	-101.91	8.38	-12.17	<.0001	N/A	N/A	N/A	N/A

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
Provider Volume Quartile 2	152.58	2.17	70.24	<.0001	N/A	N/A	N/A	N/A
Provider Volume Quartile 3	258.11	2.24	114.99	<.0001	N/A	N/A	N/A	N/A
Provider Volume Quartile 4	333.82	2.33	143.02	<.0001	N/A	N/A	N/A	N/A
Area-Level Factors {Reference Category: Non-HPSA County, Poverty Percentage Quartile 1, Median Household Income by ZIP Quartile 1}								
HPSA County	-53.56	2.58	-20.77	<.0001	7.07	3.02	2.35	0.02
Poverty Percentage Quartile 2	0.34	2.13	0.16	0.87	5.28	2.77	1.90	0.06
Poverty Percentage Quartile 3	-30.77	2.48	-12.39	<.0001	-12.32	3.18	-3.88	0.00
Poverty Percentage Quartile 4	-47.29	2.59	-18.26	<.0001	-3.69	3.23	-1.14	0.25
Median Household Income by ZIP Quartile 2	-7.91	2.36	-3.36	0.00	1.49	2.26	0.66	0.51
Median Household Income by ZIP Quartile 3	0.08	2.40	0.03	0.97	11.68	2.33	5.02	<.0001
Median Household Income by ZIP Quartile 4	20.99	2.45	8.58	<.0001	31.40	2.44	12.84	<.0001
OASIS Variables								
Behavioral Problems {Reference Category: No or Minimal Behavioral Problem Frequency}								
Delusional Behavior	-0.90	7.10	-0.13	0.90	1.45	6.49	0.22	0.82
Impaired Decisions Behavior	-9.42	2.37	-3.97	<.0001	6.24	2.27	2.75	0.01
Memory Deficient Behavior	19.50	2.47	7.90	<.0001	9.56	2.31	4.13	<.0001
Physically Aggressive Behavior	32.85	10.68	3.08	0.00	31.80	9.71	3.27	0.00
Socially Inappropriate Behavior	11.80	9.54	1.24	0.22	-3.13	8.71	-0.36	0.72
Verbal Disruptive Behavior	8.39	7.32	1.15	0.25	16.50	6.67	2.47	0.01
Behavioral Problem: Several Times A Month	-54.12	4.64	-11.67	<.0001	3.35	4.48	0.75	0.45
Behavioral Problem: Once A Month	28.35	9.50	2.99	0.00	32.73	8.77	3.73	0.00
At Least Weekly Behavioral Problems	20.36	2.84	7.18	<.0001	7.49	2.81	2.66	0.01
Impairments {Reference Category: No or minimal Cognitive Impairment, No or minimal Speech Impairment, No or minimal Understanding Impairment}								
Moderate Cognitive Impairment	5.25	3.13	1.68	0.09	-0.27	2.87	-0.09	0.93
Severe Cognitive Impairment	44.94	5.88	7.65	<.0001	33.89	5.37	6.31	<.0001
Complete Cognitive Impairment	64.27	12.34	5.21	<.0001	41.80	11.23	3.72	0.00

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
Moderate Speech Impairment	-12.62	3.71	-3.40	0.00	-22.37	3.39	-6.60	<.0001
Severe Speech Impairment	-48.24	6.81	-7.09	<.0001	-52.33	6.18	-8.46	<.0001
Moderate Understanding Impairment	28.48	18.81	1.51	0.13	26.36	17.10	1.54	0.12
Severe Understanding Impairment	45.51	22.82	1.99	0.05	30.94	20.71	1.49	0.14
Dyspneic and Respiratory Problems (Reference Category: Not Dyspneic)								
Dyspneic: With Moderate Exertion	-42.68	1.90	-22.41	<.0001	-29.86	1.81	-16.47	<.0001
Dyspneic: With Minimal Exertion	-42.97	2.64	-16.30	<.0001	-51.04	2.54	-20.13	<.0001
Dyspneic: When At Rest	-33.38	5.18	-6.45	<.0001	-49.19	4.78	-10.29	<.0001
Continuous Positive Airway Pressure	8.26	6.54	1.26	0.21	-3.12	5.94	-0.53	0.60
On Oxygen	-46.13	2.91	-15.84	<.0001	-46.39	2.67	-17.37	<.0001
Ventilator	-11.09	29.35	-0.38	0.71	-18.07	26.66	-0.68	0.50
Risks								
Risk: Alcoholism	2.50	5.52	0.45	0.65	-1.77	5.03	-0.35	0.72
Risk: Drugs	6.55	8.20	0.80	0.42	-9.90	7.57	-1.31	0.19
Risk: Obesity	-17.88	2.08	-8.59	<.0001	-19.58	1.91	-10.25	<.0001
Risk: Smoking	-17.45	2.50	-6.97	<.0001	-9.30	2.30	-4.04	<.0001
Hospitalization Risk: 5+	5.61	2.12	2.65	0.01	-16.95	1.97	-8.61	<.0001
Hospitalization Risk: Frailty	-20.06	1.87	-10.75	<.0001	-22.27	1.76	-12.64	<.0001
Hospitalization Risk: History Of Falls	22.36	1.80	12.45	<.0001	11.90	1.65	7.19	<.0001
Hospitalization Risk: Multiple Hospitalization	-26.26	1.90	-13.84	<.0001	-42.94	1.75	-24.58	<.0001
Hospitalization Risk: Other	-32.28	2.58	-12.52	<.0001	-20.93	2.83	-7.40	<.0001
Hospitalization Risk: Recent Decline	-22.78	2.47	-9.22	<.0001	-29.42	2.28	-12.92	<.0001
Overall Status (Reference Category: Stable Overall Status)								
Temporary Health Risk Overall Status	-100.16	2.19	-45.84	<.0001	-87.10	2.08	-41.82	<.0001
Fragile Serious Overall Status	-118.85	2.65	-44.93	<.0001	-125.11	2.55	-49.11	<.0001
Living Situation (Reference Category: Living Alone)								

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
Patient Living In Congregate Facility	152.44	3.08	49.42	<.0001	138.17	2.92	47.28	<.0001
Patient Living With Others	58.51	1.86	31.53	<.0001	63.21	1.71	36.98	<.0001
Verbal Understanding {Reference Category: Clearly Understands Verbal}								
Usually Understands Verbal	-27.50	1.94	-14.20	<.0001	-4.89	1.81	-2.70	0.01
Sometimes Or Never Understands Verbal	-47.32	18.84	-2.51	0.01	-9.04	17.15	-0.53	0.60
Vision and Hearing Impairments								
Vision Impairment	-38.11	1.82	-20.92	<.0001	-3.32	1.78	-1.86	0.06
Hearing Partially Or Severely Impaired	-46.31	1.90	-24.40	<.0001	-49.48	1.74	-28.46	<.0001
Pain {Reference Category: No Pain}								
Minimum Pain	4.71	3.02	1.56	0.12	2.21	2.77	0.80	0.42
Daily Pain	3.01	2.18	1.38	0.17	24.62	2.04	12.09	<.0001
Constant Pain	32.68	3.15	10.36	<.0001	41.20	2.93	14.04	<.0001
Ulcers and Lesions								
Unhealed Stage 2 Pressure Ulcer	-96.49	5.54	-17.41	<.0001	-94.69	5.04	-18.79	<.0001
Stasis Ulcer Present	-97.46	6.44	-15.14	<.0001	-106.00	5.85	-18.11	<.0001
Open Lesion	-172.56	2.22	-77.65	<.0001	-171.88	2.08	-82.56	<.0001
Depression Screening {Reference Category: No Depression Screening}								
Depression Screening Not Applicable	42.07	9.73	4.33	<.0001	43.95	8.97	4.90	<.0001
Depression Screening Different Assessment Does Not Need	10.03	3.55	2.83	0.00	0.99	3.53	0.28	0.78
Depression Screening Different Assessment Needs Evaluation	-54.53	5.06	-10.78	<.0001	-60.76	4.82	-12.60	<.0001
Bathing {Reference Category: Able to Bathe Independently}								
Bathing: Able To Bathe With Use Of Devices	-0.74	4.70	-0.16	0.88	15.17	4.31	3.52	0.00
Bathing: Needs Assistance	-46.52	4.92	-9.45	<.0001	-42.77	4.51	-9.48	<.0001
Bathing: Needs Assistance Throughout	-130.06	5.12	-25.39	<.0001	-145.78	4.70	-31.00	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-85.72	5.64	-15.19	<.0001	-125.37	5.19	-24.16	<.0001

Variables	OLS				Fixed Effects			
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Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-155.45	5.68	-27.38	<.0001	-201.62	5.23	-38.54	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-212.57	7.09	-30.00	<.0001	-240.57	6.49	-37.05	<.0001
Toilet Transferring and Hygiene {Reference Category: Toilet Transferring Independently}								
Toilet Transferring: When Assisted	16.86	2.13	7.92	<.0001	35.57	2.02	17.57	<.0001
Toilet Transferring: Unable To Transfer, Uses Commode	-68.06	4.91	-13.86	<.0001	-52.42	4.58	-11.45	<.0001
Toilet Transferring: Uses Bedpan	-85.17	8.99	-9.48	<.0001	-68.48	8.21	-8.34	<.0001
Toilet Transferring: Totally Dependent	-92.80	7.11	-13.05	<.0001	-57.76	6.53	-8.84	<.0001
Toileting Hygiene: Able To Manage With Preparation	-35.39	2.17	-16.34	<.0001	-9.17	2.03	-4.53	<.0001
Toileting Hygiene: Needs Assistance	-65.29	2.73	-23.88	<.0001	-29.45	2.56	-11.50	<.0001
Toileting Hygiene: Totally Dependent	-66.74	5.25	-12.72	<.0001	-11.15	4.83	-2.31	0.02
Urinary Incontinence {Reference Category: Bowel Incontinence Never}								
Bowel Incontinence Rare	-20.02	3.27	-6.13	<.0001	-23.26	3.07	-7.56	<.0001
Bowel Incontinence Frequent	4.42	4.67	0.95	0.34	14.04	4.37	3.21	0.00
Urinary Incontinence or Catheter	-51.99	1.76	-29.46	<.0001	-43.24	1.67	-25.93	<.0001
Urinary Tract Infection	-15.38	2.82	-5.45	<.0001	-24.42	2.57	-9.51	<.0001
Ostomy	26.20	6.16	4.26	<.0001	18.94	5.60	3.38	0.00
Transferring {Reference Category: Able to Transfer Independently}								
Transferring: Able To Transfer Minimal Assistance	8.35	2.79	3.00	0.00	5.01	2.57	1.95	0.05
Transferring: Able To Bear Weight	27.58	4.03	6.83	<.0001	11.01	3.76	2.93	0.00
Transferring: Unable To Transfer	18.01	6.18	2.91	0.00	-2.78	5.71	-0.49	0.63
Transferring: Bedfast, Able To Position	-1.27	12.07	-0.10	0.92	-37.49	11.02	-3.40	0.00
Transferring: Bedfast, Unable To Position	19.57	11.20	1.75	0.08	-17.07	10.23	-1.67	0.10
Ambulation {Reference Category: Able to Ambulate Independently}								
Ambulation: Requires One- Hand Device	18.31	4.22	4.34	<.0001	17.40	3.86	4.51	<.0001
Ambulation: Requires Two- Handed Device	27.51	4.26	6.46	<.0001	10.35	3.91	2.64	0.01

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Ambulation: Requires Assistance	152.20	4.70	32.40	<.0001	111.72	4.35	25.68	<.0001
Ambulation: Chairfast, Can Wheel Self	-34.26	6.40	-5.35	<.0001	-63.20	5.89	-10.74	<.0001
Ambulation: Chairfast, Cannot Wheel Self	59.01	7.46	7.91	<.0001	36.15	6.85	5.28	<.0001
Ambulation: Unable To Sit In A Chair	20.71	12.95	1.60	0.11	19.77	11.81	1.67	0.09
Fall Risk								
Fall Risk: Is A Risk	-1.85	3.49	-0.53	0.60	17.26	3.55	4.87	<.0001
Fall Risk: Not a Risk	-18.50	3.92	-4.72	<.0001	-0.80	3.91	-0.20	0.84
Oral Medication Management {Reference Category: Oral Medication Management: Independent}								
Oral Medication Management: Minimal Assistance	-40.93	2.10	-19.47	<.0001	-35.20	1.95	-18.06	<.0001
Oral Medication Management: Moderate Assistance Needed	-28.88	2.82	-10.24	<.0001	-27.32	2.61	-10.45	<.0001
Oral Medication Management: Dependent	10.60	3.01	3.52	0.00	-16.47	2.80	-5.88	<.0001
Oral Medication Management: NA	-13.22	9.59	-1.38	0.17	-21.44	8.72	-2.46	0.01
Types of Assistance Given								
Psychiatric Nursing Services At Home	-84.82	6.27	-13.52	<.0001	-51.26	5.93	-8.64	<.0001
Assistance Given: ADLs	108.54	2.55	42.50	<.0001	125.10	2.39	52.31	<.0001
Assistance Given: IADLs	45.03	3.22	13.98	<.0001	30.57	3.01	10.17	<.0001
Assistance Given: Medication Administration	68.14	2.63	25.91	<.0001	104.42	2.52	41.36	<.0001
Assistance Given: Procedure or Treatments	170.80	2.46	69.57	<.0001	206.23	2.33	88.65	<.0001
Therapies Patient Receives at Home (Reference Category: Neither Intravenous, Parenteral, or Enteral Nutrition received at Home)								
Intravenous Therapy At Home	-110.29	6.04	-18.25	<.0001	-132.98	5.58	-23.84	<.0001
Parenteral Nutrition	-190.32	23.60	-8.06	<.0001	-200.09	21.44	-9.33	<.0001
Enteral Nutrition	-129.15	8.13	-15.89	<.0001	-118.40	7.39	-16.03	<.0001
Cluster Variables								
Post-Acute Restorative Care	-21.65	3.77	-5.74	<.0001	-33.15	3.54	-9.36	<.0001
Community Admissions Other	81.71	2.95	27.70	<.0001	76.09	2.82	27.03	<.0001
Post-Acute Clinically Complex	-107.92	2.64	-40.83	<.0001	-121.92	2.47	-49.43	<.0001

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Post-Acute Other	-34.34	3.93	-8.75	<.0001	-65.01	3.71	-17.54	<.0001
Diagnoses and Severity {Reference Category: Diagnosis Asymptomatic}								
Acute Myocardial Infarction: Well Controlled	-29.16	4.74	-6.15	<.0001	-13.50	4.34	-3.11	0.00
Acute Myocardial Infarction: Controlled with Difficulty	-37.37	2.60	-14.40	<.0001	-19.87	2.40	-8.28	<.0001
Acute Myocardial Infarction: Poorly Controlled	-10.63	3.79	-2.80	0.01	-8.82	3.50	-2.52	0.01
Alzheimer's: Well Controlled	-55.91	11.35	-4.93	<.0001	-0.65	10.38	-0.06	0.95
Alzheimer's: Controlled with Difficulty	-43.64	4.99	-8.75	<.0001	-27.34	4.56	-6.00	<.0001
Alzheimer's: Poorly Controlled	-45.73	6.56	-6.98	<.0001	-38.04	5.99	-6.36	<.0001
Cancer: Well Controlled	85.13	23.60	3.61	0.00	102.09	21.42	4.77	<.0001
Cancer: Controlled with Difficulty	22.71	8.41	2.70	0.01	32.17	7.65	4.21	<.0001
Cancer: Poorly Controlled	34.28	7.11	4.82	<.0001	36.74	6.48	5.67	<.0001
Cardiac Dysrhythmia: Well Controlled	-45.86	6.06	-7.57	<.0001	-55.36	5.51	-10.04	<.0001
Cardiac Dysrhythmia: Controlled with Difficulty	-104.13	3.17	-32.89	<.0001	-100.76	2.89	-34.91	<.0001
Cardiac Dysrhythmia: Poorly Controlled	-93.79	4.24	-22.11	<.0001	-97.81	3.88	-25.24	<.0001
Chronic Hepatic Renal Disease: Well Controlled	-8.01	8.46	-0.95	0.34	-18.06	7.70	-2.35	0.02
Chronic Hepatic Renal Disease: Controlled with Difficulty	0.02	4.02	0.00	1.00	-4.35	3.67	-1.19	0.24
Chronic Hepatic Renal Disease: Poorly Controlled	45.41	5.25	8.65	<.0001	38.62	4.79	8.06	<.0001
Chronic Pulmonary: Well Controlled	19.85	5.36	3.70	0.00	22.64	4.90	4.62	<.0001
Chronic Pulmonary: Controlled with Difficulty	-7.67	2.72	-2.81	0.00	-4.19	2.49	-1.68	0.09
Chronic Pulmonary: Poorly Controlled	19.91	3.45	5.77	<.0001	14.37	3.16	4.54	<.0001
Dementia: Well Controlled	41.05	7.31	5.62	<.0001	44.36	6.67	6.65	<.0001
Dementia: Controlled with Difficulty	-24.14	3.53	-6.84	<.0001	-24.60	3.23	-7.61	<.0001
Dementia: Poorly Controlled	-19.12	5.01	-3.81	0.00	-32.55	4.60	-7.08	<.0001
Depression: Well Controlled	45.97	5.43	8.47	<.0001	57.07	4.99	11.43	<.0001
Depression: Controlled with Difficulty	10.67	3.07	3.47	0.00	21.38	2.85	7.51	<.0001

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Depression: Poorly Controlled	24.58	4.85	5.07	<.0001	21.59	4.49	4.81	<.0001
Diabetes: Well Controlled	92.54	4.08	22.66	<.0001	81.58	3.73	21.86	<.0001
Diabetes: Controlled with Difficulty	-63.43	2.24	-28.28	<.0001	-57.38	2.05	-27.98	<.0001
Diabetes: Poorly Controlled	-95.42	2.91	-32.84	<.0001	-93.80	2.67	-35.16	<.0001
Heart Disease: Well Controlled	-54.90	13.32	-4.12	<.0001	-61.32	12.11	-5.06	<.0001
Heart Disease: Controlled with Difficulty	-56.28	6.75	-8.34	<.0001	-45.91	6.16	-7.45	<.0001
Heart Disease: Poorly Controlled	-62.05	8.61	-7.21	<.0001	-47.32	7.85	-6.03	<.0001
Heart Failure: Well Controlled	-8.25	6.04	-1.37	0.17	-8.33	5.51	-1.51	0.13
Heart Failure: Controlled with Difficulty	-55.12	2.80	-19.67	<.0001	-49.73	2.57	-19.36	<.0001
Heart Failure: Poorly Controlled	-40.38	3.32	-12.15	<.0001	-52.62	3.05	-17.26	<.0001
Hypertension: Well Controlled	84.56	2.91	29.08	<.0001	92.60	2.71	34.18	<.0001
Hypertension: Controlled with Difficulty	-27.64	2.02	-13.67	<.0001	-7.42	1.87	-3.96	<.0001
Hypertension: Poorly Controlled	-27.54	2.70	-10.22	<.0001	-17.58	2.53	-6.94	<.0001
Musculoskeletal Connective Tissue: Well Controlled	35.40	4.26	8.31	<.0001	43.02	3.93	10.94	<.0001
Musculoskeletal Connective Tissue: Poorly Controlled	6.32	2.18	2.90	0.00	49.51	2.06	24.02	<.0001
Musculoskeletal Connective Tissue: Controlled with Difficulty	78.94	3.00	26.31	<.0001	105.55	2.83	37.32	<.0001
Neurological Disorder Not Alzheimer's: Well Controlled	-21.51	10.99	-1.96	0.05	5.61	9.99	0.56	0.57
Neurological Disorder Not Alzheimer's: Controlled with Difficulty	27.47	4.54	6.05	<.0001	34.69	4.14	8.38	<.0001
Neurological Disorder Not Alzheimer's: Poorly Controlled	61.38	5.49	11.19	<.0001	61.30	5.01	12.24	<.0001
Peripheral Vascular Disease: Well Controlled	-108.11	11.96	-9.04	<.0001	-100.97	10.88	-9.28	<.0001
Peripheral Vascular Disease: Controlled with Difficulty	-95.76	5.34	-17.93	<.0001	-87.71	4.87	-17.99	<.0001
Peripheral Vascular Disease: Poorly Controlled	-94.03	7.08	-13.28	<.0001	-92.96	6.46	-14.39	<.0001
Psychiatric Disorder: Well Controlled	-7.23	12.03	-0.60	0.55	18.68	11.04	1.69	0.09
Psychiatric Disorder: Controlled with Difficulty	-17.68	6.53	-2.71	0.01	-9.60	6.01	-1.60	0.11
Psychiatric Disorder: Poorly Controlled	33.24	8.35	3.98	<.0001	12.51	7.70	1.63	0.10

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Pulmonary Disorder: Well Controlled	-130.78	25.08	-5.21	<.0001	-109.49	22.76	-4.81	<.0001
Pulmonary Disorder: Controlled with Difficulty	-133.70	10.52	-12.71	<.0001	-126.83	9.55	-13.28	<.0001
Pulmonary Disorder: Poorly Controlled	-120.51	11.42	-10.55	<.0001	-129.61	10.37	-12.50	<.0001
Stroke: Well Controlled	32.67	9.55	3.42	0.00	42.92	8.69	4.94	<.0001
Stroke: Controlled with Difficulty	15.81	3.78	4.19	<.0001	20.52	3.45	5.95	<.0001
Stroke: Poorly Controlled	13.81	4.43	3.12	0.00	-3.68	4.05	-0.91	0.36
Ulcer: Well Controlled	-83.15	16.75	-4.97	<.0001	-61.73	15.21	-4.06	<.0001
Ulcer: Controlled with Difficulty	-164.79	5.59	-29.46	<.0001	-168.88	5.10	-33.10	<.0001
Ulcer: Poorly Controlled	-178.32	5.75	-31.00	<.0001	-196.06	5.25	-37.34	<.0001
Surgical Procedure	147.93	2.04	72.56	<.0001	131.43	1.93	68.26	<.0001
Traumatic Wounds: Well Controlled	-95.11	62.86	-1.51	0.13	-83.49	57.06	-1.46	0.14
Traumatic Wounds: Controlled with Difficulty	-219.13	20.21	-10.85	<.0001	-199.58	18.34	-10.88	<.0001
Traumatic Wounds: Poorly Controlled	-257.73	19.40	-13.28	<.0001	-248.94	17.61	-14.14	<.0001
HHRGs (Reference Category: 1C1F1S1)								
1C1F1S2	275.15	14.99	18.36	<.0001	254.47	13.60	18.71	<.0001
1C1F1S3	427.82	10.28	41.60	<.0001	392.86	9.34	42.05	<.0001
1C1F1S4	557.53	17.20	32.42	<.0001	523.24	15.61	33.52	<.0001
1C1F1S5	647.18	11.87	54.51	<.0001	594.36	10.79	55.07	<.0001
1C1F2S1	180.16	8.24	21.85	<.0001	191.14	7.50	25.49	<.0001
1C1F2S2	474.50	12.24	38.76	<.0001	463.27	11.13	41.64	<.0001
1C1F2S3	609.86	8.72	69.92	<.0001	592.04	7.94	74.57	<.0001
1C1F2S4	735.40	12.73	57.78	<.0001	704.65	11.56	60.93	<.0001
1C1F2S5	812.20	9.23	87.97	<.0001	778.39	8.41	92.55	<.0001
1C1F3S1	438.84	16.75	26.20	<.0001	440.13	15.21	28.93	<.0001
1C1F3S2	717.86	33.07	21.71	<.0001	709.14	30.00	23.63	<.0001
1C1F3S3	837.25	19.58	42.75	<.0001	821.98	17.78	46.23	<.0001

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1C1F3S4	938.23	33.03	28.40	<.0001	918.15	29.96	30.64	<.0001
1C1F3S5	1032.43	19.94	51.78	<.0001	1013.10	18.11	55.93	<.0001
1C2F1S1	350.93	6.66	52.73	<.0001	351.85	6.04	58.21	<.0001
1C2F1S2	445.51	14.31	31.13	<.0001	436.73	12.99	33.63	<.0001
1C2F1S3	579.47	9.88	58.64	<.0001	553.53	8.98	61.65	<.0001
1C2F1S4	696.66	16.58	42.02	<.0001	665.54	15.05	44.23	<.0001
1C2F1S5	777.50	11.20	69.45	<.0001	740.59	10.18	72.74	<.0001
1C2F2S1	551.71	7.01	78.70	<.0001	565.77	6.39	88.52	<.0001
1C2F2S2	677.48	10.25	66.12	<.0001	673.30	9.32	72.25	<.0001
1C2F2S3	779.69	7.81	99.81	<.0001	767.93	7.12	107.85	<.0001
1C2F2S4	884.73	10.52	84.11	<.0001	872.41	9.57	91.17	<.0001
1C2F2S5	941.25	8.08	116.43	<.0001	918.08	7.38	124.44	<.0001
1C2F3S1	842.53	10.84	77.71	<.0001	849.84	9.87	86.06	<.0001
1C2F3S2	911.22	21.92	41.56	<.0001	907.83	19.91	45.61	<.0001
1C2F3S3	1011.97	13.80	73.33	<.0001	1003.61	12.55	79.95	<.0001
1C2F3S4	1097.16	21.35	51.39	<.0001	1094.38	19.38	56.47	<.0001
1C2F3S5	1127.12	14.11	79.86	<.0001	1117.20	12.83	87.07	<.0001
1C3F1S1	639.32	6.59	97.05	<.0001	641.32	6.00	106.91	<.0001
1C3F1S2	603.67	18.10	33.35	<.0001	612.87	16.43	37.31	<.0001
1C3F1S3	704.52	11.96	58.93	<.0001	705.16	10.86	64.92	<.0001
1C3F1S4	809.08	20.52	39.43	<.0001	815.28	18.63	43.77	<.0001
1C3F1S5	875.66	13.68	63.99	<.0001	866.98	12.44	69.68	<.0001
1C3F2S1	919.86	6.93	132.78	<.0001	922.82	6.33	145.81	<.0001
1C3F2S2	882.85	10.93	80.78	<.0001	885.84	9.94	89.08	<.0001
1C3F2S3	965.91	8.22	117.52	<.0001	966.15	7.50	128.81	<.0001
1C3F2S4	1059.12	11.19	94.67	<.0001	1040.01	10.18	102.13	<.0001

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1C3F2S5	1111.04	8.48	130.94	<.0001	1094.14	7.75	141.21	<.0001
1C3F3S1	1248.92	9.23	135.35	<.0001	1255.18	8.43	148.96	<.0001
1C3F3S2	1172.31	18.28	64.12	<.0001	1178.26	16.62	70.90	<.0001
1C3F3S3	1213.82	12.22	99.37	<.0001	1220.44	11.13	109.68	<.0001
1C3F3S4	1269.43	18.56	68.39	<.0001	1274.01	16.86	75.56	<.0001
1C3F3S5	1312.88	12.61	104.08	<.0001	1308.56	11.49	113.89	<.0001
2C1F1S1	650.17	19.48	33.38	<.0001	604.54	17.73	34.09	<.0001
2C1F1S2	702.36	22.77	30.85	<.0001	653.18	20.72	31.52	<.0001
2C1F1S3	795.45	30.03	26.49	<.0001	719.15	27.28	26.36	<.0001
2C1F2S1	848.60	13.56	62.60	<.0001	820.84	12.35	66.44	<.0001
2C1F2S2	875.92	15.26	57.39	<.0001	835.16	13.89	60.12	<.0001
2C1F2S3	895.59	18.84	47.55	<.0001	834.65	17.12	48.76	<.0001
2C1F3S1	985.49	22.07	44.64	<.0001	1001.36	20.06	49.91	<.0001
2C1F3S2	1012.52	23.54	43.02	<.0001	994.33	21.38	46.51	<.0001
2C1F3S3	970.11	28.09	34.53	<.0001	945.08	25.51	37.05	<.0001
2C2F1S1	952.21	11.62	81.96	<.0001	924.74	10.64	86.93	<.0001
2C2F1S2	1009.27	13.61	74.17	<.0001	978.85	12.40	78.92	<.0001
2C2F1S3	1029.30	17.78	57.88	<.0001	966.97	16.18	59.76	<.0001
2C2F2S1	1170.19	8.60	136.00	<.0001	1149.27	7.89	145.73	<.0001
2C2F2S2	1224.16	9.37	130.59	<.0001	1181.15	8.57	137.81	<.0001
2C2F2S3	1232.46	10.92	112.89	<.0001	1180.77	9.95	118.61	<.0001
2C2F3S1	1295.34	12.60	102.83	<.0001	1277.86	11.47	111.45	<.0001
2C2F3S2	1345.23	13.61	98.82	<.0001	1313.35	12.39	106.02	<.0001
2C2F3S3	1349.50	15.93	84.71	<.0001	1299.76	14.49	89.72	<.0001
2C3F1S1	1337.90	15.80	84.65	<.0001	1342.99	14.41	93.20	<.0001
2C3F1S2	1310.52	18.87	69.46	<.0001	1304.62	17.16	76.04	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
2C3F1S3	1335.02	25.35	52.67	<.0001	1321.36	23.02	57.40	<.0001
2C3F2S1	1623.97	9.37	173.30	<.0001	1613.35	8.59	187.80	<.0001
2C3F2S2	1618.66	10.42	155.30	<.0001	1590.60	9.52	167.15	<.0001
2C3F2S3	1629.58	12.11	134.57	<.0001	1586.70	11.04	143.70	<.0001
2C3F3S1	1736.06	12.10	143.53	<.0001	1750.56	11.02	158.80	<.0001
2C3F3S2	1794.25	13.07	137.24	<.0001	1780.91	11.90	149.66	<.0001
2C3F3S3	1777.94	14.88	119.51	<.0001	1751.91	13.53	129.46	<.0001
3C1F1S1	223.18	8.32	26.82	<.0001	274.11	7.64	35.90	<.0001
3C1F1S2	255.29	36.90	6.92	<.0001	298.44	33.48	8.91	<.0001
3C1F1S3	405.52	21.15	19.18	<.0001	438.78	19.21	22.84	<.0001
3C1F1S4	458.29	35.03	13.08	<.0001	517.47	31.82	16.26	<.0001
3C1F1S5	548.52	20.85	26.30	<.0001	588.52	19.02	30.94	<.0001
3C1F2S1	530.70	7.96	66.64	<.0001	569.41	7.30	78.05	<.0001
3C1F2S2	543.96	23.84	22.82	<.0001	573.90	21.63	26.53	<.0001
3C1F2S3	636.76	14.01	45.45	<.0001	655.15	12.73	51.46	<.0001
3C1F2S4	745.19	22.09	33.73	<.0001	788.93	20.07	39.32	<.0001
3C1F2S5	784.59	13.67	57.38	<.0001	818.83	12.46	65.71	<.0001
3C1F3S1	893.34	12.55	71.16	<.0001	924.18	11.51	80.26	<.0001
3C1F3S2	880.12	48.08	18.31	<.0001	887.22	43.61	20.34	<.0001
3C1F3S3	961.89	26.30	36.57	<.0001	982.84	23.88	41.16	<.0001
3C1F3S4	955.29	44.37	21.53	<.0001	992.69	40.27	24.65	<.0001
3C1F3S5	1076.01	25.01	43.03	<.0001	1113.13	22.77	48.88	<.0001
3C2F1S1	275.82	8.09	34.07	<.0001	324.96	7.40	43.89	<.0001
3C2F1S2	260.47	37.18	7.01	<.0001	287.03	33.73	8.51	<.0001
3C2F1S3	368.38	22.58	16.31	<.0001	405.64	20.50	19.79	<.0001
3C2F1S4	447.61	38.46	11.64	<.0001	518.73	34.91	14.86	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
3C2F1S5	599.85	22.96	26.13	<.0001	625.97	20.88	29.97	<.0001
3C2F2S1	564.27	7.66	73.64	<.0001	613.20	7.01	87.43	<.0001
3C2F2S2	565.40	22.06	25.63	<.0001	592.86	20.02	29.62	<.0001
3C2F2S3	640.44	13.47	47.54	<.0001	663.42	12.25	54.17	<.0001
3C2F2S4	686.63	21.65	31.71	<.0001	724.66	19.66	36.86	<.0001
3C2F2S5	765.70	13.16	58.17	<.0001	806.23	11.99	67.26	<.0001
3C2F3S1	946.48	11.07	85.47	<.0001	991.95	10.13	97.90	<.0001
3C2F3S2	1038.87	38.87	26.73	<.0001	1047.64	35.26	29.71	<.0001
3C2F3S3	1018.98	22.31	45.68	<.0001	1053.21	20.25	52.01	<.0001
3C2F3S4	1044.12	36.67	28.48	<.0001	1101.30	33.27	33.10	<.0001
3C2F3S5	1078.17	21.87	49.30	<.0001	1132.87	19.89	56.96	<.0001
3C3F1S1	590.60	8.87	66.61	<.0001	633.37	8.10	78.22	<.0001
3C3F1S2	718.99	50.74	14.17	<.0001	761.11	46.02	16.54	<.0001
3C3F1S3	709.79	29.82	23.80	<.0001	748.32	27.05	27.66	<.0001
3C3F1S4	842.11	55.62	15.14	<.0001	896.89	50.45	17.78	<.0001
3C3F1S5	849.55	34.29	24.77	<.0001	906.51	31.13	29.12	<.0001
3C3F2S1	938.23	7.97	117.71	<.0001	995.68	7.31	136.18	<.0001
3C3F2S2	971.31	25.10	38.70	<.0001	1004.32	22.78	44.09	<.0001
3C3F2S3	1036.44	15.25	67.95	<.0001	1070.91	13.87	77.24	<.0001
3C3F2S4	1149.67	24.88	46.21	<.0001	1191.40	22.58	52.75	<.0001
3C3F2S5	1075.33	15.67	68.61	<.0001	1140.63	14.26	79.97	<.0001
3C3F3S1	1363.78	9.95	137.08	<.0001	1416.86	9.12	155.40	<.0001
3C3F3S2	1334.03	31.43	42.45	<.0001	1370.18	28.52	48.04	<.0001
3C3F3S3	1432.08	19.43	73.70	<.0001	1475.85	17.65	83.60	<.0001
3C3F3S4	1510.08	32.95	45.83	<.0001	1552.74	29.91	51.92	<.0001
3C3F3S5	1432.03	19.52	73.37	<.0001	1502.37	17.78	84.50	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
4C1F1S1	565.17	29.76	18.99	<.0001	622.83	27.11	22.98	<.0001
4C1F1S2	634.44	32.71	19.40	<.0001	653.25	29.77	21.94	<.0001
4C1F1S3	665.33	47.18	14.10	<.0001	688.28	42.88	16.05	<.0001
4C1F2S1	825.28	18.79	43.93	<.0001	858.17	17.11	50.14	<.0001
4C1F2S2	807.77	19.79	40.83	<.0001	819.37	18.02	45.46	<.0001
4C1F2S3	867.30	27.85	31.14	<.0001	861.84	25.31	34.05	<.0001
4C1F3S1	1198.12	57.39	20.88	<.0001	1240.81	52.09	23.82	<.0001
4C1F3S2	1371.64	59.97	22.87	<.0001	1399.31	54.40	25.72	<.0001
4C1F3S3	1162.37	78.85	14.74	<.0001	1219.60	71.52	17.05	<.0001
4C2F1S1	1010.77	21.79	46.39	<.0001	1093.56	19.93	54.88	<.0001
4C2F1S2	1017.42	26.34	38.62	<.0001	1067.11	23.98	44.49	<.0001
4C2F1S3	1025.38	38.50	26.63	<.0001	1065.08	35.00	30.43	<.0001
4C2F2S1	1177.18	12.44	94.62	<.0001	1258.92	11.38	110.61	<.0001
4C2F2S2	1195.89	13.99	85.51	<.0001	1222.26	12.76	95.80	<.0001
4C2F2S3	1300.69	18.93	68.72	<.0001	1273.56	17.24	73.88	<.0001
4C2F3S1	1668.05	35.84	46.54	<.0001	1738.15	32.54	53.41	<.0001
4C2F3S2	1687.87	39.06	43.21	<.0001	1740.25	35.46	49.07	<.0001
4C2F3S3	1686.20	50.54	33.36	<.0001	1715.10	45.85	37.41	<.0001
4C3F1S1	1482.51	25.19	58.85	<.0001	1565.01	22.95	68.20	<.0001
4C3F1S2	1448.87	30.57	47.40	<.0001	1511.52	27.80	54.37	<.0001
4C3F1S3	1543.60	43.48	35.50	<.0001	1563.67	39.52	39.57	<.0001
4C3F2S1	1736.70	12.16	142.86	<.0001	1814.39	11.12	163.12	<.0001
4C3F2S2	1761.78	13.72	128.43	<.0001	1784.37	12.51	142.60	<.0001
4C3F2S3	1840.56	17.90	102.83	<.0001	1842.02	16.31	112.94	<.0001
4C3F3S1	2110.97	24.65	85.64	<.0001	2201.41	22.41	98.23	<.0001
4C3F3S2	2159.41	26.55	81.35	<.0001	2216.68	24.12	91.90	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$892.88)				Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
4C3F3S3	2206.43	35.54	62.08	<.0001	2221.91	32.27	68.86	<.0001
5C1F1S1	1286.64	15.72	81.86	<.0001	1182.56	14.34	82.45	<.0001
5C1F2S1	1456.32	10.46	139.27	<.0001	1368.95	9.55	143.30	<.0001
5C1F3S1	1734.87	12.77	135.83	<.0001	1667.73	11.64	143.31	<.0001
5C2F1S1	1452.56	13.67	106.24	<.0001	1370.94	12.48	109.85	<.0001
5C2F2S1	1652.05	8.86	186.36	<.0001	1580.56	8.11	194.86	<.0001
5C2F3S1	1949.66	9.51	204.93	<.0001	1905.93	8.70	219.18	<.0001
5C3F1S1	1843.04	16.13	114.29	<.0001	1806.69	14.68	123.09	<.0001
5C3F2S1	2098.89	8.99	233.53	<.0001	2051.47	8.23	249.40	<.0001
5C3F3S1	2314.50	8.86	261.35	<.0001	2295.20	8.11	282.97	<.0001
This color shading indicates statistically not significant at the 5% level.								

Table 11. Full Regression Model of Wage Index-Adjusted Margin on All Independent Variables With Dual Proportion Measure

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
N	1,902,714			
R-Squared	0.209			
Root MSE	1,045.87			
Constant	-212.14	10.41	-20.38	<.0001
Dual Proportion Defined as Percentage of Duals per HHA				
Dual Proportion	-243.19	5.75	-42.29	<.0001
Beneficiary-Level Factors {Reference Category: Male, Under 65 years of age, Caucasian}				
Female	-13.54	1.72	-7.89	<.0001
Between 65 and 74 years of age	15.39	2.61	5.9	<.0001
Over 75 years of age	-3.56	2.55	-1.4	0.16
Black	-74.34	2.33	-31.95	<.0001
Other Race	-29.35	7.78	-3.77	0
Asian	-31.46	6.19	-5.08	<.0001
Hispanic	-9.57	4.17	-2.29	0.02
Native American	-45.4	12.45	-3.65	0
Unknown	-28.95	21.89	-1.32	0.19
Community HCC {Reference Category: HCC Score Quartile 1}				
HCC Score Quartile 2	-7.13	2.14	-3.34	0
HCC Score Quartile 3	-28.16	2.25	-12.49	<.0001
HCC Score Quartile 4	-50.63	2.45	-20.65	<.0001
Public Assistance {Reference Category: Non-LIS Beneficiary, Not Dual Eligible or LIS Status}				
LIS Eligible	4.01	1.9	2.11	0.03
HHA-Level Factors {Reference Category: Voluntary Ownership, Provider Volume Quartile 1}				
Proprietary Ownership	99.13	2.3	43.1	<.0001
Government Ownership	-107.18	8.37	-12.8	<.0001
Provider Volume Quartile 2	142.77	2.18	65.38	<.0001
Provider Volume Quartile 3	243.47	2.27	107.25	<.0001
Provider Volume Quartile 4	322.46	2.35	137.32	<.0001
Area-Level Factors {Reference Category: Non-HPSA County, Poverty Percentage Quartile 1, Median Household Income by ZIP Quartile 1}				
HPSA County	-49.03	2.58	-19.01	<.0001
Poverty Percentage Quartile 2	6	2.13	2.82	0
Poverty Percentage Quartile 3	-18.04	2.5	-7.22	<.0001
Poverty Percentage Quartile 4	-33.57	2.61	-12.87	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Median Household Income by ZIP Quartile 2	-13.83	2.36	-5.87	<.0001
Median Household Income by ZIP Quartile 3	-6.11	2.41	-2.54	0.01
Median Household Income by ZIP Quartile 4	14.38	2.45	5.87	<.0001
OASIS Variables				
Behavioral Problems (Reference Category: No or Minimal Behavioral Problem Frequency)				
Delusional Behavior	-1.58	7.1	-0.22	0.82
Impaired Decisions Behavior	-9.57	2.37	-4.03	<.0001
Memory Deficient Behavior	19	2.47	7.7	<.0001
Physically Aggressive Behavior	32.76	10.67	3.07	0
Socially Inappropriate Behavior	11.55	9.53	1.21	0.23
Verbal Disruptive Behavior	8.55	7.31	1.17	0.24
Behavioral Problem: Several Times A Month	-51.85	4.64	-11.18	<.0001
Behavioral Problem: Once A Month	29.36	9.49	3.09	0
At Least Weekly Behavioral Problems	16.74	2.84	5.9	<.0001
Impairments (Reference Category: No or minimal Cognitive Impairment, No or minimal Speech Impairment, No or minimal Understanding Impairment)				
Moderate Cognitive Impairment	4.2	3.13	1.34	0.18
Severe Cognitive Impairment	42.95	5.87	7.31	<.0001
Complete Cognitive Impairment	61.09	12.33	4.96	<.0001
Moderate Speech Impairment	-12.59	3.71	-3.4	0
Severe Speech Impairment	-47.82	6.8	-7.03	<.0001
Moderate Understanding Impairment	26.91	18.8	1.43	0.15
Severe Understanding Impairment	45.12	22.81	1.98	0.05
Dyspneic and Respiratory Problems (Reference Category: Not Dyspneic)				
Dyspneic: With Moderate Exertion	-37.84	1.91	-19.84	<.0001
Dyspneic: With Minimal Exertion	-38.65	2.64	-14.66	<.0001
Dyspneic: When At Rest	-31.36	5.17	-6.06	<.0001
Continuous Positive Airway Pressure Required	5.64	6.53	0.86	0.39
On Oxygen	-48.13	2.91	-16.53	<.0001
Ventilator	-11.55	29.34	-0.39	0.69
Risks				
Risk: Alcoholism	1.45	5.52	0.26	0.79
Risk: Drugs	3.17	8.2	0.39	0.7
Risk: Obesity	-20.06	2.08	-9.64	<.0001
Risk: Smoking	-18.44	2.5	-7.37	<.0001
Hospitalization Risk: 5+ Medications	3.85	2.12	1.82	0.07

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Hospitalization Risk: Frailty	-22.23	1.87	-11.91	<.0001
Hospitalization Risk: History Of Falls	17.61	1.8	9.79	<.0001
Hospitalization Risk: Multiple Hospitalization	-28.99	1.9	-15.28	<.0001
Hospitalization Risk: Other	-31.44	2.58	-12.19	<.0001
Hospitalization Risk: Recent Decline	-25.36	2.47	-10.26	<.0001
Overall Status {Reference Category: Stable Overall Status}				
Temporary Health Risk Overall Status	-99.78	2.18	-45.68	<.0001
Fragile Serious Overall Status	-122.29	2.65	-46.23	<.0001
Living Situation {Reference Category: Living Alone}				
Patient Living In Congregate Facility	147.71	3.09	47.88	<.0001
Patient Living With Others	58.42	1.85	31.5	<.0001
Verbal Understanding {Reference Category: Clearly Understands Verbal}				
Usually Understands Verbal	-26.15	1.94	-13.51	<.0001
Sometimes Or Never Understands Verbal	-42.54	18.83	-2.26	0.02
Vision and Hearing Impairments				
Vision Impairment	-27.81	1.84	-15.14	<.0001
Hearing Partially Or Severely Impaired	-46.18	1.9	-24.34	<.0001
Pain {Reference Category: No Pain}				
Minimum Pain	4.33	3.02	1.43	0.15
Daily Pain	9.42	2.18	4.32	<.0001
Constant Pain	32.87	3.15	10.43	<.0001
Ulcers and Lesions				
Unhealed Stage 2 Pressure Ulcer	-97.97	5.54	-17.68	<.0001
Stasis Ulcer Present	-100.54	6.43	-15.63	<.0001
Open Lesion	-174.59	2.22	-78.59	<.0001
Depression Screening {Reference Category: No Depression Screening}				
Depression Screening Not Applicable	41.01	9.72	4.22	<.0001
Depression Screening Different Assessment Does Not Need Evaluation	8.2	3.55	2.31	0.02
Depression Screening Different Assessment Needs Evaluation	-55.57	5.06	-10.99	<.0001
Bathing {Reference Category: Able to Bathe Independently}				
Bathing: Able To Bathe With Use Of Devices	-1.07	4.7	-0.23	0.82
Bathing: Needs Assistance	-46.09	4.92	-9.37	<.0001
Bathing: Needs Assistance Throughout	-132.83	5.12	-25.94	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-90.48	5.64	-16.04	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-160.19	5.68	-28.23	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-216.03	7.08	-30.5	<.0001
Toilet Transferring and Hygiene {Reference Category: Toilet Transferring Independently}				
Toilet Transferring: When Assisted	17.74	2.13	8.33	<.0001
Toilet Transferring: Unable To Transfer, Uses Commode	-64.91	4.91	-13.22	<.0001
Toilet Transferring: Uses Bedpan	-81.81	8.98	-9.11	<.0001
Toilet Transferring: Totally Dependent	-90.14	7.11	-12.68	<.0001
Toileting Hygiene: Able To Manage With Preparation	-31.62	2.17	-14.6	<.0001
Toileting Hygiene: Needs Assistance	-59.4	2.74	-21.71	<.0001
Toileting Hygiene: Totally Dependent	-58.99	5.25	-11.24	<.0001
Urinary Incontinence {Reference Category: Bowel Incontinence Never}				
Bowel Incontinence Rare	-21.4	3.27	-6.55	<.0001
Bowel Incontinence Frequent	8.18	4.66	1.75	0.08
Urinary Incontinence or Catheter	-52.24	1.76	-29.61	<.0001
Urinary Tract Infection	-17.7	2.82	-6.28	<.0001
Ostomy	24.44	6.15	3.97	<.0001
Transferring {Reference Category: Able to Transfer Independently}				
Transferring: Able To Transfer Minimal Assistance	9.04	2.78	3.25	0
Transferring: Able To Bear Weight	28.26	4.03	7.01	<.0001
Transferring: Unable To Transfer	19.27	6.18	3.12	0
Transferring: Bedfast, Able To Position	-1.09	12.07	-0.09	0.93
Transferring: Bedfast, Unable To Position	18.87	11.2	1.69	0.09
Ambulation {Reference Category: Able to Ambulate Independently}				
Ambulation: Requires One-Hand Device	19.38	4.22	4.59	<.0001
Ambulation: Requires Two-Handed Device	22.38	4.26	5.25	<.0001
Ambulation: Requires Assistance	146.08	4.7	31.09	<.0001
Ambulation: Chairfast, Can Wheel Self	-42.79	6.4	-6.69	<.0001
Ambulation: Chairfast, Cannot Wheel Self	51	7.46	6.84	<.0001
Ambulation: Unable To Sit In A Chair	16.27	12.95	1.26	0.21
Fall Risk				
Fall Risk: Is A Risk	2.05	3.49	0.59	0.56
Fall Risk: Not a Risk	-16.79	3.92	-4.29	<.0001
Oral Medication Management {Reference Category: Oral Medication Management: Independent}				

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Oral Medication Management: Minimal Assistance	-38.19	2.1	-18.16	<.0001
Oral Medication Management: Moderate Assistance Needed	-26.08	2.82	-9.25	<.0001
Oral Medication Management: Dependent	10.76	3.01	3.58	0
Oral Medication Management: NA	-11.6	9.58	-1.21	0.23
Types of Assistance Given				
Psychiatric Nursing Services At Home	-87.66	6.27	-13.98	<.0001
Assistance Given: ADLs	110.64	2.55	43.34	<.0001
Assistance Given: IADLs	43.15	3.22	13.4	<.0001
Assistance Given: Medication Administration	63.99	2.63	24.32	<.0001
Assistance Given: Procedure or Treatments	169.57	2.45	69.09	<.0001
Therapies Patient Receives at Home (Reference Category: Neither Intravenous, Parenteral, or Enteral Nutrition received at Home)				
Intravenous Therapy At Home	-107.37	6.04	-17.77	<.0001
Parenteral Nutrition	-189.89	23.59	-8.05	<.0001
Enteral Nutrition	-128.49	8.12	-15.82	<.0001
Cluster Variables				
Post-acute Restorative Care	-27.97	3.77	-7.42	<.0001
Community Admissions Other	80.65	2.95	27.35	<.0001
Post-Acute Clinically Complex	-114.06	2.65	-43.1	<.0001
Post-Acute Other	-41.65	3.93	-10.6	<.0001
Diagnoses and Severity {Reference Category: Diagnosis Asymptomatic}				
Acute Myocardial Infarction: Well Controlled	-30.33	4.74	-6.4	<.0001
Acute Myocardial Infarction: Controlled with Difficulty	-35.25	2.59	-13.59	<.0001
Acute Myocardial Infarction: Poorly Controlled	-9.45	3.79	-2.49	0.01
Alzheimer's: Well Controlled	-45.32	11.35	-3.99	<.0001
Alzheimer's: Controlled with Difficulty	-40.42	4.99	-8.11	<.0001
Alzheimer's: Poorly Controlled	-44.82	6.55	-6.84	<.0001
Cancer: Well Controlled	86.01	23.59	3.65	0
Cancer: Controlled with Difficulty	23.44	8.41	2.79	0.01
Cancer: Poorly Controlled	33.41	7.11	4.7	<.0001
Cardiac Dysrhythmia: Well Controlled	-48.3	6.05	-7.98	<.0001
Cardiac Dysrhythmia: Controlled with Difficulty	-105.23	3.16	-33.25	<.0001
Cardiac Dysrhythmia: Poorly Controlled	-95.59	4.24	-22.55	<.0001
Chronic Hepatic Renal Disease: Well Controlled	-11.7	8.45	-1.39	0.17

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Chronic Hepatic Renal Disease: Controlled with Difficulty	-3.17	4.02	-0.79	0.43
Chronic Hepatic Renal Disease: Poorly Controlled	41.24	5.24	7.86	<.0001
Chronic Pulmonary: Well Controlled	20.74	5.36	3.87	0
Chronic Pulmonary: Controlled with Difficulty	-8.52	2.72	-3.13	0
Chronic Pulmonary: Poorly Controlled	17.18	3.45	4.98	<.0001
Dementia: Well Controlled	37.89	7.3	5.19	<.0001
Dementia: Controlled with Difficulty	-27.47	3.53	-7.79	<.0001
Dementia: Poorly Controlled	-23.11	5.01	-4.61	<.0001
Depression: Well Controlled	47.71	5.42	8.8	<.0001
Depression: Controlled with Difficulty	11.72	3.07	3.82	0
Depression: Poorly Controlled	22.92	4.84	4.73	<.0001
Diabetes: Well Controlled	93.26	4.08	22.85	<.0001
Diabetes: Controlled with Difficulty	-62.81	2.24	-28.01	<.0001
Diabetes: Poorly Controlled	-95.82	2.9	-32.99	<.0001
Heart Disease: Well Controlled	-53.99	13.31	-4.06	<.0001
Heart Disease: Controlled with Difficulty	-55.55	6.75	-8.23	<.0001
Heart Disease: Poorly Controlled	-61.92	8.61	-7.2	<.0001
Heart Failure: Well Controlled	-11.07	6.04	-1.83	0.07
Heart Failure: Controlled with Difficulty	-57.45	2.8	-20.5	<.0001
Heart Failure: Poorly Controlled	-43.16	3.32	-12.99	<.0001
Hypertension: Well Controlled	85.44	2.91	29.4	<.0001
Hypertension: Controlled with Difficulty	-24.9	2.02	-12.32	<.0001
Hypertension: Poorly Controlled	-23.79	2.7	-8.82	<.0001
Musculoskeletal Connective Tissue: Well Controlled	37.33	4.26	8.77	<.0001
Musculoskeletal Connective Tissue: Poorly Controlled	11.3	2.18	5.18	<.0001
Musculoskeletal Connective Tissue: Controlled with Difficulty	84.59	3	28.18	<.0001
Neurological Disorder Not Alzheimer's: Well Controlled	-22.07	10.98	-2.01	0.04
Neurological Disorder Not Alzheimer's: Controlled with Difficulty	25.57	4.54	5.63	<.0001
Neurological Disorder Not Alzheimer's: Poorly Controlled	55.96	5.48	10.21	<.0001
Peripheral Vascular Disease: Well Controlled	-104.7	11.95	-8.76	<.0001
Peripheral Vascular Disease: Controlled with Difficulty	-95.66	5.34	-17.93	<.0001
Peripheral Vascular Disease: Poorly Controlled	-95.04	7.07	-13.44	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Psychiatric Disorder: Well Controlled	2.91	12.03	0.24	0.81
Psychiatric Disorder: Controlled with Difficulty	-11.81	6.53	-1.81	0.07
Psychiatric Disorder: Poorly Controlled	34.69	8.35	4.16	<.0001
Pulmonary Disorder: Well Controlled	-132.11	25.07	-5.27	<.0001
Pulmonary Disorder: Controlled with Difficulty	-135.12	10.51	-12.85	<.0001
Pulmonary Disorder: Poorly Controlled	-122.3	11.42	-10.71	<.0001
Stroke: Well Controlled	31.13	9.54	3.26	0
Stroke: Controlled with Difficulty	12.91	3.78	3.42	0
Stroke: Poorly Controlled	10.01	4.43	2.26	0.02
Ulcer: Well Controlled	-85.05	16.74	-5.08	<.0001
Ulcer: Controlled with Difficulty	-167.55	5.59	-29.97	<.0001
Ulcer: Poorly Controlled	-182.56	5.75	-31.75	<.0001
Surgical Procedure	145.83	2.04	71.55	<.0001
Traumatic Wounds: Well Controlled	-94.47	62.83	-1.5	0.13
Traumatic Wounds: Controlled with Difficulty	-219.62	20.2	-10.87	<.0001
Traumatic Wounds: Poorly Controlled	-259.4	19.39	-13.38	<.0001
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	272.98	14.98	18.22	<.0001
1C1F1S3	425.22	10.28	41.36	<.0001
1C1F1S4	554.3	17.19	32.25	<.0001
1C1F1S5	645.68	11.87	54.41	<.0001
1C1F2S1	182.51	8.24	22.15	<.0001
1C1F2S2	474.16	12.23	38.75	<.0001
1C1F2S3	609.2	8.72	69.88	<.0001
1C1F2S4	734.25	12.72	57.71	<.0001
1C1F2S5	811.93	9.23	87.98	<.0001
1C1F3S1	440.96	16.74	26.34	<.0001
1C1F3S2	719.01	33.05	21.75	<.0001
1C1F3S3	837.23	19.57	42.77	<.0001
1C1F3S4	939.59	33.02	28.46	<.0001
1C1F3S5	1033.45	19.93	51.86	<.0001
1C2F1S1	350.72	6.65	52.72	<.0001
1C2F1S2	441.91	14.3	30.89	<.0001
1C2F1S3	576.39	9.88	58.35	<.0001
1C2F1S4	692.37	16.57	41.78	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
1C2F1S5	775.72	11.19	69.32	<.0001
1C2F2S1	555.53	7.01	79.28	<.0001
1C2F2S2	676.27	10.24	66.03	<.0001
1C2F2S3	778.91	7.81	99.76	<.0001
1C2F2S4	883.82	10.51	84.06	<.0001
1C2F2S5	941.32	8.08	116.49	<.0001
1C2F3S1	844.79	10.84	77.96	<.0001
1C2F3S2	911.1	21.91	41.58	<.0001
1C2F3S3	1012.22	13.79	73.38	<.0001
1C2F3S4	1097.8	21.34	51.44	<.0001
1C2F3S5	1128.06	14.11	79.96	<.0001
1C3F1S1	637.75	6.58	96.85	<.0001
1C3F1S2	600.02	18.09	33.16	<.0001
1C3F1S3	701.5	11.95	58.7	<.0001
1C3F1S4	806.22	20.51	39.3	<.0001
1C3F1S5	874.97	13.68	63.97	<.0001
1C3F2S1	924	6.93	133.43	<.0001
1C3F2S2	882.23	10.92	80.76	<.0001
1C3F2S3	965.29	8.22	117.5	<.0001
1C3F2S4	1059.84	11.18	94.78	<.0001
1C3F2S5	1111.85	8.48	131.1	<.0001
1C3F3S1	1251.96	9.22	135.74	<.0001
1C3F3S2	1172.6	18.27	64.17	<.0001
1C3F3S3	1214.91	12.21	99.5	<.0001
1C3F3S4	1271	18.55	68.5	<.0001
1C3F3S5	1314.64	12.61	104.27	<.0001
2C1F1S1	655.55	19.47	33.68	<.0001
2C1F1S2	705.04	22.76	30.98	<.0001
2C1F1S3	795.09	30.02	26.49	<.0001
2C1F2S1	854.63	13.55	63.07	<.0001
2C1F2S2	878.12	15.26	57.56	<.0001
2C1F2S3	895.46	18.83	47.56	<.0001
2C1F3S1	989.14	22.06	44.83	<.0001
2C1F3S2	1013.31	23.53	43.07	<.0001
2C1F3S3	968.66	28.08	34.5	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
2C2F1S1	957.45	11.61	82.45	<.0001
2C2F1S2	1010.63	13.6	74.3	<.0001
2C2F1S3	1030.21	17.77	57.96	<.0001
2C2F2S1	1176.33	8.6	136.75	<.0001
2C2F2S2	1226.33	9.37	130.88	<.0001
2C2F2S3	1232.36	10.91	112.93	<.0001
2C2F3S1	1297.01	12.59	103.01	<.0001
2C2F3S2	1344.19	13.61	98.79	<.0001
2C2F3S3	1348.26	15.92	84.67	<.0001
2C3F1S1	1341.57	15.8	84.93	<.0001
2C3F1S2	1310.47	18.86	69.49	<.0001
2C3F1S3	1332.98	25.34	52.61	<.0001
2C3F2S1	1629.54	9.37	173.96	<.0001
2C3F2S2	1619.51	10.42	155.45	<.0001
2C3F2S3	1629.55	12.1	134.63	<.0001
2C3F3S1	1738.58	12.09	143.81	<.0001
2C3F3S2	1794.99	13.07	137.37	<.0001
2C3F3S3	1778.03	14.87	119.57	<.0001
3C1F1S1	227.23	8.32	27.32	<.0001
3C1F1S2	253.53	36.88	6.87	<.0001
3C1F1S3	405.49	21.14	19.18	<.0001
3C1F1S4	459.99	35.01	13.14	<.0001
3C1F1S5	551.68	20.84	26.47	<.0001
3C1F2S1	538.08	7.96	67.58	<.0001
3C1F2S2	545.7	23.83	22.9	<.0001
3C1F2S3	639.73	14	45.69	<.0001
3C1F2S4	748.53	22.08	33.9	<.0001
3C1F2S5	788.5	13.67	57.7	<.0001
3C1F3S1	899.95	12.55	71.71	<.0001
3C1F3S2	882.85	48.06	18.37	<.0001
3C1F3S3	965.12	26.29	36.71	<.0001
3C1F3S4	961.86	44.35	21.69	<.0001
3C1F3S5	1083.65	25	43.35	<.0001
3C2F1S1	278.45	8.09	34.41	<.0001
3C2F1S2	259.3	37.17	6.98	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
3C2F1S3	367.47	22.57	16.28	<.0001
3C2F1S4	448.13	38.45	11.66	<.0001
3C2F1S5	603.4	22.95	26.3	<.0001
3C2F2S1	570.6	7.66	74.48	<.0001
3C2F2S2	566.64	22.05	25.7	<.0001
3C2F2S3	641.87	13.47	47.67	<.0001
3C2F2S4	689.86	21.64	31.88	<.0001
3C2F2S5	771.15	13.16	58.61	<.0001
3C2F3S1	953.01	11.07	86.09	<.0001
3C2F3S2	1042.09	38.85	26.82	<.0001
3C2F3S3	1022.66	22.3	45.87	<.0001
3C2F3S4	1050.2	36.65	28.65	<.0001
3C2F3S5	1085.49	21.86	49.65	<.0001
3C3F1S1	590.48	8.86	66.63	<.0001
3C3F1S2	715.76	50.72	14.11	<.0001
3C3F1S3	708.79	29.8	23.78	<.0001
3C3F1S4	839.6	55.59	15.1	<.0001
3C3F1S5	851.67	34.28	24.85	<.0001
3C3F2S1	943.56	7.97	118.42	<.0001
3C3F2S2	973.27	25.09	38.8	<.0001
3C3F2S3	1038.31	15.25	68.1	<.0001
3C3F2S4	1153.1	24.87	46.37	<.0001
3C3F2S5	1078.27	15.67	68.82	<.0001
3C3F3S1	1368.73	9.94	137.64	<.0001
3C3F3S2	1338.43	31.41	42.61	<.0001
3C3F3S3	1435.52	19.42	73.91	<.0001
3C3F3S4	1514.86	32.93	46	<.0001
3C3F3S5	1439.01	19.51	73.76	<.0001
4C1F1S1	575.97	29.75	19.36	<.0001
4C1F1S2	641.2	32.69	19.61	<.0001
4C1F1S3	674.23	47.16	14.3	<.0001
4C1F2S1	835.29	18.78	44.48	<.0001
4C1F2S2	813.95	19.78	41.16	<.0001
4C1F2S3	872.24	27.84	31.33	<.0001
4C1F3S1	1202.75	57.37	20.97	<.0001

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
4C1F3S2	1375.63	59.95	22.95	<.0001
4C1F3S3	1162.86	78.81	14.76	<.0001
4C2F1S1	1022.78	21.78	46.96	<.0001
4C2F1S2	1021.27	26.33	38.78	<.0001
4C2F1S3	1032	38.49	26.81	<.0001
4C2F2S1	1187.23	12.44	95.46	<.0001
4C2F2S2	1200.57	13.98	85.88	<.0001
4C2F2S3	1307.33	18.92	69.1	<.0001
4C2F3S1	1673.59	35.83	46.71	<.0001
4C2F3S2	1692.04	39.04	43.34	<.0001
4C2F3S3	1690.38	50.52	33.46	<.0001
4C3F1S1	1492.39	25.18	59.27	<.0001
4C3F1S2	1452.45	30.56	47.54	<.0001
4C3F1S3	1548.14	43.46	35.62	<.0001
4C3F2S1	1746.3	12.15	143.69	<.0001
4C3F2S2	1766.25	13.71	128.81	<.0001
4C3F2S3	1847.49	17.89	103.26	<.0001
4C3F3S1	2118.44	24.64	85.98	<.0001
4C3F3S2	2163.16	26.53	81.52	<.0001
4C3F3S3	2211.66	35.53	62.26	<.0001
5C1F1S1	1284.34	15.71	81.75	<.0001
5C1F2S1	1453.97	10.45	139.11	<.0001
5C1F3S1	1731.83	12.77	135.65	<.0001
5C2F1S1	1448.86	13.67	106.02	<.0001
5C2F2S1	1648.17	8.86	186	<.0001
5C2F3S1	1947.53	9.51	204.8	<.0001
5C3F1S1	1837.96	16.12	114.02	<.0001
5C3F2S1	2095.34	8.98	233.24	<.0001
5C3F3S1	2313.25	8.85	261.33	<.0001
This color shading indicates statistically not significant at the 5% level.				

APPENDIX E: SUBGROUP ANALYSIS REGRESSION MODELS, WITHOUT DUAL PROPORTION MEASURE

Table 12. Regression Model of Wage Index-Adjusted Margin on HHRG and Group 1 Variables

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
N	2,191,552				2,191,552			
R-Squared	0.146				0.300			
Root MSE	1,124.79				1,019.54			
Constant	201.28	6.31	31.90	<.0001	N/A	N/A	N/A	N/A
Group 1: Variables Already in the Payment System								
Intravenous Therapy At Home	-48.77	5.85	-8.33	<.0001	-89.81	5.42	-16.56	<.0001
Parenteral Nutrition	-102.26	21.87	-4.68	<.0001	-155.19	19.88	-7.80	<.0001
Enteral Nutrition	-65.59	7.37	-8.89	<.0001	-83.02	6.71	-12.37	<.0001
Unhealed Stage 2 Pressure Ulcer	-28.23	5.50	-5.14	<.0001	-23.33	5.00	-4.67	<.0001
Traumatic Wounds	-215.09	13.38	-16.07	<.0001	-218.11	12.16	-17.94	<.0001
Ulcer	-272.73	4.30	-63.42	<.0001	-319.75	3.93	-81.29	<.0001
Dyspneic: When At Rest	-170.66	4.81	-35.46	<.0001	-192.86	4.45	-43.35	<.0001
Dyspneic: With Moderate Exertion	-120.20	1.81	-66.41	<.0001	-88.47	1.75	-50.42	<.0001
Dyspneic: With Minimal Exertion	-157.32	2.38	-66.13	<.0001	-154.93	2.32	-66.70	<.0001
Bathing: Able To Bathe With Use Of Devices	-21.10	4.34	-4.86	<.0001	4.09	4.01	1.02	0.31
Bathing: Needs Assistance	-66.54	4.75	-14.02	<.0001	-68.83	4.36	-15.78	<.0001
Bathing: Needs Assistance Throughout	-153.14	4.89	-31.34	<.0001	-193.23	4.51	-42.85	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-87.31	5.46	-16.00	<.0001	-183.77	5.05	-36.38	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-195.18	5.44	-35.90	<.0001	-279.40	5.05	-55.38	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-233.76	6.64	-35.22	<.0001	-292.07	6.11	-47.81	<.0001
Toilet Transferring: Totally Dependent	-25.90	5.32	-4.87	<.0001	9.29	4.90	1.90	.0576
Ambulation: Requires Assistance	145.00	2.05	70.90	<.0001	113.85	1.94	58.77	<.0001
Transferring: Bedfast, Able To Position	-51.48	10.12	-5.08	<.0001	-50.06	9.21	-5.44	<.0001
Bowel Incontinence Rare	-49.90	3.18	-15.71	<.0001	-51.86	3.01	-17.21	<.0001
Bowel Incontinence Frequent	-36.08	4.47	-8.08	<.0001	0.72	4.19	0.17	0.86
Ostomy	88.89	5.98	14.87	<.0001	52.84	5.44	9.71	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
HHRGs {Reference Category: 1C1F1S1}								
1C1F1S2	401.01	15.42	26.01	<.0001	352.19	14.01	25.15	<.0001
1C1F1S3	548.84	10.58	51.88	<.0001	489.82	9.62	50.91	<.0001
1C1F1S4	680.63	17.87	38.08	<.0001	623.49	16.24	38.40	<.0001
1C1F1S5	754.34	12.21	61.77	<.0001	689.69	11.11	62.06	<.0001
1C1F2S1	192.66	8.25	23.34	<.0001	220.26	7.52	29.27	<.0001
1C1F2S2	576.19	12.42	46.40	<.0001	569.45	11.31	50.36	<.0001
1C1F2S3	713.37	8.74	81.66	<.0001	695.60	7.97	87.26	<.0001
1C1F2S4	842.96	12.99	64.88	<.0001	811.63	11.82	68.65	<.0001
1C1F2S5	916.14	9.30	98.56	<.0001	884.08	8.49	104.16	<.0001
1C1F3S1	376.09	16.41	22.92	<.0001	398.80	14.93	26.72	<.0001
1C1F3S2	731.78	33.64	21.75	<.0001	731.63	30.55	23.95	<.0001
1C1F3S3	845.45	19.60	43.14	<.0001	840.70	17.81	47.19	<.0001
1C1F3S4	926.84	33.87	27.37	<.0001	920.38	30.75	29.93	<.0001
1C1F3S5	1029.06	20.14	51.11	<.0001	1028.31	18.32	56.13	<.0001
1C2F1S1	296.73	6.78	43.74	<.0001	309.36	6.17	50.17	<.0001
1C2F1S2	484.99	14.73	32.93	<.0001	461.96	13.38	34.53	<.0001
1C2F1S3	610.10	10.12	60.26	<.0001	576.88	9.21	62.65	<.0001
1C2F1S4	719.73	17.08	42.14	<.0001	687.75	15.51	44.33	<.0001
1C2F1S5	798.61	11.47	69.60	<.0001	765.95	10.45	73.32	<.0001
1C2F2S1	491.83	6.88	71.44	<.0001	539.09	6.31	85.49	<.0001
1C2F2S2	693.42	10.35	66.99	<.0001	703.66	9.43	74.60	<.0001
1C2F2S3	793.71	7.73	102.62	<.0001	799.52	7.07	113.04	<.0001
1C2F2S4	902.66	10.64	84.82	<.0001	907.27	9.70	93.53	<.0001
1C2F2S5	954.86	8.04	118.79	<.0001	952.00	7.36	129.37	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
1C2F3S1	707.76	10.06	70.33	<.0001	745.31	9.21	80.89	<.0001
1C2F3S2	829.07	22.13	37.46	<.0001	850.55	20.13	42.26	<.0001
1C2F3S3	919.12	13.43	68.44	<.0001	944.23	12.25	77.10	<.0001
1C2F3S4	1011.17	21.58	46.86	<.0001	1032.78	19.61	52.66	<.0001
1C2F3S5	1048.34	13.79	76.04	<.0001	1062.44	12.56	84.56	<.0001
1C3F1S1	534.89	6.56	81.53	<.0001	554.30	5.98	92.69	<.0001
1C3F1S2	526.85	18.45	28.56	<.0001	542.31	16.75	32.37	<.0001
1C3F1S3	637.79	12.16	52.46	<.0001	639.27	11.06	57.83	<.0001
1C3F1S4	727.82	21.10	34.50	<.0001	744.71	19.16	38.86	<.0001
1C3F1S5	806.43	13.95	57.82	<.0001	819.48	12.69	64.56	<.0001
1C3F2S1	785.24	6.62	118.56	<.0001	839.16	6.10	137.62	<.0001
1C3F2S2	785.01	10.94	71.74	<.0001	823.05	9.98	82.47	<.0001
1C3F2S3	872.71	8.05	108.38	<.0001	909.55	7.38	123.28	<.0001
1C3F2S4	966.75	11.23	86.05	<.0001	988.84	10.25	96.45	<.0001
1C3F2S5	1016.67	8.34	121.87	<.0001	1038.08	7.65	135.69	<.0001
1C3F3S1	1031.11	8.02	128.50	<.0001	1086.15	7.41	146.59	<.0001
1C3F3S2	947.95	18.02	52.62	<.0001	1002.86	16.41	61.12	<.0001
1C3F3S3	995.66	11.51	86.54	<.0001	1050.48	10.53	99.76	<.0001
1C3F3S4	1060.30	18.39	57.67	<.0001	1110.49	16.74	66.36	<.0001
1C3F3S5	1105.87	11.94	92.64	<.0001	1146.57	10.92	104.96	<.0001
2C1F1S1	765.23	20.01	38.24	<.0001	725.06	18.24	39.74	<.0001
2C1F1S2	830.87	23.42	35.48	<.0001	773.90	21.34	36.27	<.0001
2C1F1S3	936.09	31.03	30.17	<.0001	836.85	28.22	29.65	<.0001
2C1F2S1	951.86	13.82	68.88	<.0001	944.49	12.62	74.86	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
2C1F2S2	982.83	15.66	62.75	<.0001	953.29	14.28	66.76	<.0001
2C1F2S3	995.06	19.45	51.15	<.0001	940.23	17.70	53.12	<.0001
2C1F3S1	1021.15	22.59	45.20	<.0001	1077.15	20.56	52.40	<.0001
2C1F3S2	1073.33	24.16	44.43	<.0001	1063.77	21.97	48.43	<.0001
2C1F3S3	1031.93	28.82	35.81	<.0001	1015.29	26.19	38.77	<.0001
2C2F1S1	988.53	11.92	82.93	<.0001	978.27	10.94	89.44	<.0001
2C2F1S2	1057.48	14.00	75.52	<.0001	1029.37	12.78	80.55	<.0001
2C2F1S3	1099.26	18.40	59.73	<.0001	1022.50	16.76	61.01	<.0001
2C2F2S1	1192.12	8.61	138.51	<.0001	1200.04	7.93	151.41	<.0001
2C2F2S2	1259.47	9.45	133.27	<.0001	1227.65	8.67	141.59	<.0001
2C2F2S3	1275.66	11.11	114.81	<.0001	1224.48	10.15	120.61	<.0001
2C2F3S1	1245.46	12.50	99.61	<.0001	1253.58	11.41	109.82	<.0001
2C2F3S2	1320.11	13.61	97.03	<.0001	1300.91	12.41	104.82	<.0001
2C2F3S3	1321.76	16.14	81.90	<.0001	1270.52	14.70	86.42	<.0001
2C3F1S1	1279.28	16.10	79.46	<.0001	1301.12	14.69	88.54	<.0001
2C3F1S2	1262.75	19.30	65.43	<.0001	1254.52	17.56	71.42	<.0001
2C3F1S3	1302.46	25.93	50.22	<.0001	1270.25	23.57	53.88	<.0001
2C3F2S1	1543.09	9.32	165.63	<.0001	1565.78	8.58	182.52	<.0001
2C3F2S2	1558.45	10.46	148.99	<.0001	1543.58	9.58	161.19	<.0001
2C3F2S3	1565.28	12.27	127.62	<.0001	1524.92	11.21	136.09	<.0001
2C3F3S1	1571.57	11.72	134.06	<.0001	1618.84	10.73	150.93	<.0001
2C3F3S2	1643.32	12.80	128.39	<.0001	1646.74	11.69	140.91	<.0001
2C3F3S3	1629.76	14.76	110.41	<.0001	1609.71	13.45	119.64	<.0001
3C1F1S1	158.70	7.94	19.98	<.0001	253.99	7.32	34.68	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C1F1S2	220.09	35.86	6.14	<.0001	269.90	32.56	8.29	<.0001
3C1F1S3	394.70	20.65	19.12	<.0001	446.81	18.78	23.80	<.0001
3C1F1S4	424.97	33.80	12.57	<.0001	512.43	30.73	16.67	<.0001
3C1F1S5	494.98	20.47	24.18	<.0001	592.57	18.70	31.70	<.0001
3C1F2S1	462.78	7.52	61.55	<.0001	550.20	6.96	79.03	<.0001
3C1F2S2	474.02	23.46	20.21	<.0001	533.33	21.32	25.02	<.0001
3C1F2S3	600.29	13.77	43.60	<.0001	650.25	12.54	51.84	<.0001
3C1F2S4	683.90	21.81	31.35	<.0001	780.91	19.84	39.36	<.0001
3C1F2S5	729.86	13.47	54.19	<.0001	817.09	12.31	66.38	<.0001
3C1F3S1	759.57	10.99	69.11	<.0001	820.75	10.19	80.57	<.0001
3C1F3S2	786.78	46.07	17.08	<.0001	804.05	41.83	19.22	<.0001
3C1F3S3	840.13	25.29	33.22	<.0001	879.12	23.00	38.22	<.0001
3C1F3S4	832.10	43.61	19.08	<.0001	916.33	39.62	23.13	<.0001
3C1F3S5	949.30	24.15	39.32	<.0001	1024.80	22.03	46.52	<.0001
3C2F1S1	176.98	7.61	23.24	<.0001	261.92	7.00	37.41	<.0001
3C2F1S2	173.53	35.78	4.85	<.0001	211.74	32.48	6.52	<.0001
3C2F1S3	323.70	21.58	15.00	<.0001	364.52	19.61	18.59	<.0001
3C2F1S4	372.24	37.09	10.04	<.0001	454.08	33.69	13.48	<.0001
3C2F1S5	504.31	22.11	22.81	<.0001	576.45	20.13	28.63	<.0001
3C2F2S1	429.08	7.13	60.18	<.0001	526.06	6.61	79.62	<.0001
3C2F2S2	477.69	21.29	22.43	<.0001	525.34	19.36	27.14	<.0001
3C2F2S3	559.48	12.99	43.07	<.0001	607.33	11.84	51.28	<.0001
3C2F2S4	581.93	20.94	27.79	<.0001	659.77	19.04	34.65	<.0001
3C2F2S5	660.32	12.80	51.58	<.0001	744.46	11.69	63.66	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C2F3S1	765.86	9.43	81.18	<.0001	839.45	8.75	95.98	<.0001
3C2F3S2	865.19	37.69	22.96	<.0001	886.67	34.23	25.91	<.0001
3C2F3S3	861.95	20.95	41.15	<.0001	922.75	19.06	48.40	<.0001
3C2F3S4	878.37	35.10	25.02	<.0001	955.63	31.89	29.97	<.0001
3C2F3S5	897.25	20.77	43.20	<.0001	989.10	18.93	52.24	<.0001
3C3F1S1	449.21	8.23	54.59	<.0001	510.99	7.53	67.83	<.0001
3C3F1S2	594.66	48.16	12.35	<.0001	634.38	43.71	14.51	<.0001
3C3F1S3	620.47	28.65	21.66	<.0001	643.34	26.02	24.73	<.0001
3C3F1S4	716.69	53.15	13.48	<.0001	784.41	48.25	16.26	<.0001
3C3F1S5	699.16	32.48	21.53	<.0001	769.51	29.51	26.07	<.0001
3C3F2S1	750.92	7.33	102.40	<.0001	855.79	6.80	125.80	<.0001
3C3F2S2	819.61	24.21	33.85	<.0001	873.68	22.00	39.71	<.0001
3C3F2S3	883.45	14.71	60.07	<.0001	940.03	13.40	70.15	<.0001
3C3F2S4	1014.56	23.99	42.29	<.0001	1080.89	21.81	49.56	<.0001
3C3F2S5	927.03	15.01	61.76	<.0001	1026.72	13.70	74.94	<.0001
3C3F3S1	1129.00	8.30	135.97	<.0001	1219.11	7.72	157.93	<.0001
3C3F3S2	1115.41	29.90	37.31	<.0001	1181.02	27.17	43.47	<.0001
3C3F3S3	1192.60	18.10	65.90	<.0001	1261.05	16.49	76.47	<.0001
3C3F3S4	1281.43	31.47	40.72	<.0001	1357.14	28.60	47.45	<.0001
3C3F3S5	1190.05	18.28	65.11	<.0001	1292.46	16.70	77.40	<.0001
4C1F1S1	599.69	29.15	20.57	<.0001	687.84	26.57	25.89	<.0001
4C1F1S2	693.73	31.56	21.98	<.0001	728.71	28.75	25.34	<.0001
4C1F1S3	778.04	46.60	16.70	<.0001	787.78	42.39	18.58	<.0001
4C1F2S1	808.07	18.54	43.59	<.0001	893.53	16.92	52.81	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
4C1F2S2	856.76	19.65	43.59	<.0001	884.80	17.93	49.35	<.0001
4C1F2S3	929.30	27.95	33.25	<.0001	931.31	25.43	36.63	<.0001
4C1F3S1	1104.45	55.57	19.88	<.0001	1194.16	50.47	23.66	<.0001
4C1F3S2	1318.17	57.89	22.77	<.0001	1350.48	52.55	25.70	<.0001
4C1F3S3	1200.64	78.24	15.35	<.0001	1206.04	71.03	16.98	<.0001
4C2F1S1	921.69	21.12	43.64	<.0001	1077.85	19.34	55.73	<.0001
4C2F1S2	981.06	25.32	38.75	<.0001	1067.44	23.08	46.25	<.0001
4C2F1S3	1061.40	37.01	28.68	<.0001	1090.75	33.67	32.39	<.0001
4C2F2S1	1079.10	12.07	89.43	<.0001	1229.99	11.10	110.82	<.0001
4C2F2S2	1148.25	13.58	84.53	<.0001	1207.56	12.43	97.12	<.0001
4C2F2S3	1269.03	18.39	69.00	<.0001	1258.67	16.80	74.93	<.0001
4C2F3S1	1517.72	34.59	43.88	<.0001	1615.15	31.44	51.37	<.0001
4C2F3S2	1597.49	38.48	41.52	<.0001	1669.01	34.97	47.73	<.0001
4C2F3S3	1591.77	50.11	31.77	<.0001	1599.47	45.49	35.16	<.0001
4C3F1S1	1311.54	24.14	54.33	<.0001	1460.31	22.01	66.34	<.0001
4C3F1S2	1332.72	28.60	46.60	<.0001	1430.56	26.04	54.93	<.0001
4C3F1S3	1479.14	40.61	36.42	<.0001	1492.36	36.96	40.38	<.0001
4C3F2S1	1559.66	11.57	134.80	<.0001	1701.40	10.65	159.79	<.0001
4C3F2S2	1638.42	13.07	125.39	<.0001	1688.85	11.97	141.11	<.0001
4C3F2S3	1734.49	17.17	101.04	<.0001	1739.10	15.71	110.72	<.0001
4C3F3S1	1924.82	23.07	83.43	<.0001	2047.07	21.01	97.43	<.0001
4C3F3S2	2001.00	25.02	79.97	<.0001	2075.69	22.77	91.16	<.0001
4C3F3S3	2023.89	33.46	60.49	<.0001	2041.60	30.41	67.13	<.0001
5C1F1S1	1405.77	16.21	86.72	<.0001	1278.79	14.81	86.36	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$870.00)				Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
5C1F2S1	1552.99	10.65	145.80	<.0001	1452.49	9.75	148.97	<.0001
5C1F3S1	1781.78	12.68	140.49	<.0001	1700.66	11.57	146.94	<.0001
5C2F1S1	1489.28	13.97	106.64	<.0001	1384.50	12.76	108.48	<.0001
5C2F2S1	1687.58	8.89	189.91	<.0001	1594.18	8.15	195.53	<.0001
5C2F3S1	1930.07	9.18	210.33	<.0001	1865.34	8.42	221.63	<.0001
5C3F1S1	1781.83	16.17	110.21	<.0001	1725.59	14.73	117.14	<.0001
5C3F2S1	2042.14	8.89	229.59	<.0001	1975.89	8.16	242.03	<.0001
5C3F3S1	2181.62	8.16	267.47	<.0001	2147.74	7.52	285.77	<.0001
This color shading indicates statistically not significant at the 5% level.								

Table 13. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-2 Variables

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
N	2,182,258				2,182,258			
R-Squared	0.146				0.300			
Root MSE	1,124.55				1,019.44			
Constant	162.24	6.47	25.09	<.0001	N/A	N/A	N/A	N/A
Group 1: Variables Already in the Payment System								
Intravenous Therapy At Home	-51.71	5.87	-8.81	<.0001	-90.60	5.44	-16.66	<.0001
Parenteral Nutrition	-108.31	21.88	-4.95	<.0001	-158.00	19.90	-7.94	<.0001
Enteral Nutrition	-67.40	7.39	-9.12	<.0001	-83.83	6.73	-12.46	<.0001
Unhealed Stage 2 Pressure Ulcer	-28.09	5.51	-5.10	<.0001	-22.84	5.01	-4.56	<.0001
Traumatic Wounds	-214.87	13.41	-16.03	<.0001	-218.23	12.18	-17.92	<.0001
Ulcer	-276.52	4.31	-64.14	<.0001	-320.38	3.94	-81.26	<.0001
Dyspneic: When At Rest	-163.75	4.82	-33.94	<.0001	-191.28	4.46	-42.91	<.0001
Dyspneic: With Moderate Exertion	-115.09	1.82	-63.28	<.0001	-87.93	1.76	-50.01	<.0001
Dyspneic: With Minimal Exertion	-149.86	2.39	-62.65	<.0001	-154.23	2.33	-66.26	<.0001
Bathing: Able To Bathe With Use Of Devices	-20.73	4.35	-4.76	<.0001	3.86	4.01	0.96	0.34
Bathing: Needs Assistance	-68.45	4.76	-14.39	<.0001	-69.62	4.37	-15.93	<.0001
Bathing: Needs Assistance Throughout	-158.17	4.90	-32.30	<.0001	-194.73	4.52	-43.09	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-90.20	5.47	-16.50	<.0001	-184.61	5.06	-36.47	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-197.84	5.45	-36.31	<.0001	-279.83	5.06	-55.34	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-238.50	6.65	-35.86	<.0001	-293.42	6.12	-47.93	<.0001
Toilet Transferring: Totally Dependent	-28.96	5.33	-5.43	<.0001	8.94	4.90	1.82	.068
Ambulation: Requires Assistance	142.91	2.05	69.69	<.0001	113.51	1.94	58.46	<.0001
Transferring: Bedfast, Able To Position	-48.85	10.14	-4.82	<.0001	-48.82	9.23	-5.29	<.0001
Bowel Incontinence Rare	-49.64	3.18	-15.60	<.0001	-52.30	3.02	-17.32	<.0001
Bowel Incontinence Frequent	-38.12	4.48	-8.52	<.0001	-0.28	4.20	-0.07	0.95
Ostomy	87.34	5.99	14.58	<.0001	52.65	5.46	9.65	<.0001
Group 2: Median HH Income by ZIP								
Median Household Income by ZIP Quartile 2	22.88	2.23	10.26	<.0001	5.92	2.20	2.69	0.01
Median Household Income by ZIP Quartile 3	35.83	2.19	16.36	<.0001	23.56	2.22	10.61	<.0001
Median Household Income by ZIP Quartile 4	74.08	2.05	36.08	<.0001	53.08	2.25	23.56	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
HHRGs {Reference Category: 1C1F1S1}								
1C1F1S2	396.39	15.44	25.67	<.0001	351.43	14.03	25.05	<.0001
1C1F1S3	544.21	10.60	51.35	<.0001	487.84	9.64	50.61	<.0001
1C1F1S4	677.28	17.91	37.82	<.0001	622.00	16.27	38.23	<.0001
1C1F1S5	753.15	12.24	61.54	<.0001	688.12	11.14	61.78	<.0001
1C1F2S1	193.55	8.27	23.40	<.0001	220.06	7.54	29.19	<.0001
1C1F2S2	571.28	12.44	45.91	<.0001	567.72	11.33	50.11	<.0001
1C1F2S3	710.62	8.75	81.18	<.0001	694.20	7.99	86.90	<.0001
1C1F2S4	841.47	13.02	64.63	<.0001	810.29	11.85	68.38	<.0001
1C1F2S5	915.94	9.31	98.35	<.0001	883.02	8.51	103.82	<.0001
1C1F3S1	380.09	16.44	23.12	<.0001	397.58	14.96	26.58	<.0001
1C1F3S2	732.63	33.75	21.71	<.0001	731.86	30.65	23.88	<.0001
1C1F3S3	846.27	19.65	43.06	<.0001	839.38	17.87	46.98	<.0001
1C1F3S4	928.39	33.96	27.34	<.0001	919.18	30.84	29.80	<.0001
1C1F3S5	1032.24	20.18	51.15	<.0001	1027.75	18.36	55.97	<.0001
1C2F1S1	299.08	6.80	44.00	<.0001	310.40	6.18	50.23	<.0001
1C2F1S2	480.80	14.76	32.58	<.0001	461.35	13.40	34.42	<.0001
1C2F1S3	607.59	10.14	59.91	<.0001	576.17	9.23	62.45	<.0001
1C2F1S4	718.88	17.11	42.01	<.0001	687.77	15.55	44.24	<.0001
1C2F1S5	800.62	11.50	69.63	<.0001	766.36	10.47	73.20	<.0001
1C2F2S1	495.36	6.90	71.80	<.0001	539.89	6.32	85.43	<.0001
1C2F2S2	690.47	10.37	66.58	<.0001	703.23	9.45	74.41	<.0001
1C2F2S3	792.33	7.75	102.24	<.0001	798.96	7.09	112.73	<.0001
1C2F2S4	901.50	10.67	84.52	<.0001	906.63	9.72	93.24	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
1C2F2S5	956.02	8.05	118.71	<.0001	951.50	7.37	129.04	<.0001
1C2F3S1	715.07	10.09	70.87	<.0001	746.30	9.24	80.80	<.0001
1C2F3S2	832.78	22.18	37.55	<.0001	852.24	20.17	42.25	<.0001
1C2F3S3	920.93	13.46	68.41	<.0001	944.15	12.28	76.90	<.0001
1C2F3S4	1013.49	21.63	46.85	<.0001	1032.27	19.66	52.50	<.0001
1C2F3S5	1052.83	13.81	76.23	<.0001	1062.62	12.59	84.42	<.0001
1C3F1S1	538.08	6.57	81.85	<.0001	555.20	5.99	92.64	<.0001
1C3F1S2	525.18	18.48	28.42	<.0001	542.15	16.79	32.30	<.0001
1C3F1S3	636.42	12.18	52.25	<.0001	638.56	11.08	57.64	<.0001
1C3F1S4	727.25	21.13	34.42	<.0001	743.94	19.19	38.76	<.0001
1C3F1S5	808.22	13.98	57.82	<.0001	819.97	12.72	64.45	<.0001
1C3F2S1	791.05	6.64	119.17	<.0001	840.50	6.11	137.55	<.0001
1C3F2S2	784.96	10.97	71.58	<.0001	823.89	10.00	82.36	<.0001
1C3F2S3	873.74	8.07	108.30	<.0001	910.04	7.39	123.09	<.0001
1C3F2S4	969.55	11.26	86.12	<.0001	990.15	10.27	96.37	<.0001
1C3F2S5	1019.89	8.36	122.01	<.0001	1038.74	7.67	135.50	<.0001
1C3F3S1	1039.80	8.05	129.24	<.0001	1087.44	7.43	146.43	<.0001
1C3F3S2	950.56	18.06	52.64	<.0001	1003.62	16.45	61.02	<.0001
1C3F3S3	1000.15	11.53	86.73	<.0001	1051.35	10.55	99.61	<.0001
1C3F3S4	1064.46	18.44	57.73	<.0001	1111.53	16.78	66.23	<.0001
1C3F3S5	1111.74	11.96	92.92	<.0001	1147.60	10.95	104.82	<.0001
2C1F1S1	767.40	20.04	38.29	<.0001	723.33	18.27	39.59	<.0001
2C1F1S2	830.03	23.49	35.34	<.0001	770.43	21.40	36.00	<.0001
2C1F1S3	934.40	31.10	30.04	<.0001	834.41	28.29	29.49	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
2C1F2S1	954.74	13.85	68.94	<.0001	943.38	12.65	74.60	<.0001
2C1F2S2	985.06	15.69	62.78	<.0001	951.53	14.31	66.51	<.0001
2C1F2S3	996.60	19.48	51.15	<.0001	938.65	17.73	52.94	<.0001
2C1F3S1	1022.33	22.63	45.18	<.0001	1074.70	20.59	52.19	<.0001
2C1F3S2	1077.73	24.18	44.56	<.0001	1063.33	21.99	48.35	<.0001
2C1F3S3	1031.82	28.88	35.73	<.0001	1010.87	26.25	38.51	<.0001
2C2F1S1	992.74	11.94	83.13	<.0001	978.05	10.96	89.26	<.0001
2C2F1S2	1059.35	14.02	75.54	<.0001	1027.53	12.80	80.28	<.0001
2C2F1S3	1100.12	18.43	59.68	<.0001	1021.04	16.79	60.81	<.0001
2C2F2S1	1196.20	8.62	138.73	<.0001	1199.38	7.94	151.05	<.0001
2C2F2S2	1264.16	9.47	133.52	<.0001	1227.50	8.69	141.31	<.0001
2C2F2S3	1278.01	11.13	114.83	<.0001	1223.20	10.17	120.27	<.0001
2C2F3S1	1251.18	12.53	99.89	<.0001	1253.33	11.44	109.60	<.0001
2C2F3S2	1325.00	13.63	97.21	<.0001	1299.77	12.43	104.54	<.0001
2C2F3S3	1326.94	16.17	82.08	<.0001	1270.33	14.73	86.25	<.0001
2C3F1S1	1285.65	16.13	79.72	<.0001	1303.08	14.72	88.52	<.0001
2C3F1S2	1266.09	19.32	65.52	<.0001	1253.78	17.59	71.28	<.0001
2C3F1S3	1306.19	25.96	50.31	<.0001	1269.12	23.60	53.77	<.0001
2C3F2S1	1547.64	9.34	165.77	<.0001	1564.84	8.60	182.04	<.0001
2C3F2S2	1563.70	10.48	149.22	<.0001	1543.63	9.59	160.90	<.0001
2C3F2S3	1569.90	12.29	127.76	<.0001	1524.92	11.23	135.83	<.0001
2C3F3S1	1577.62	11.75	134.31	<.0001	1619.10	10.75	150.66	<.0001
2C3F3S2	1649.37	12.83	128.58	<.0001	1646.80	11.71	140.61	<.0001
2C3F3S3	1635.30	14.79	110.57	<.0001	1609.52	13.48	119.38	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C1F1S1	168.76	7.96	21.20	<.0001	255.68	7.34	34.85	<.0001
3C1F1S2	219.97	35.92	6.12	<.0001	269.44	32.63	8.26	<.0001
3C1F1S3	397.91	20.67	19.25	<.0001	446.04	18.80	23.73	<.0001
3C1F1S4	431.82	33.86	12.75	<.0001	514.51	30.79	16.71	<.0001
3C1F1S5	501.81	20.50	24.48	<.0001	591.44	18.73	31.58	<.0001
3C1F2S1	474.98	7.54	62.97	<.0001	551.99	6.98	79.11	<.0001
3C1F2S2	479.14	23.53	20.36	<.0001	534.85	21.38	25.01	<.0001
3C1F2S3	606.51	13.80	43.96	<.0001	650.90	12.57	51.78	<.0001
3C1F2S4	691.96	21.85	31.66	<.0001	782.34	19.88	39.36	<.0001
3C1F2S5	738.72	13.49	54.75	<.0001	817.73	12.33	66.31	<.0001
3C1F3S1	774.55	11.03	70.23	<.0001	822.38	10.21	80.51	<.0001
3C1F3S2	797.93	46.21	17.27	<.0001	806.94	41.96	19.23	<.0001
3C1F3S3	849.17	25.34	33.51	<.0001	879.41	23.04	38.16	<.0001
3C1F3S4	840.94	43.63	19.27	<.0001	915.66	39.64	23.10	<.0001
3C1F3S5	961.26	24.17	39.78	<.0001	1025.22	22.05	46.50	<.0001
3C2F1S1	186.23	7.63	24.39	<.0001	263.26	7.02	37.52	<.0001
3C2F1S2	176.81	35.79	4.94	<.0001	212.52	32.50	6.54	<.0001
3C2F1S3	327.07	21.61	15.13	<.0001	364.82	19.64	18.58	<.0001
3C2F1S4	377.27	37.18	10.15	<.0001	455.40	33.78	13.48	<.0001
3C2F1S5	510.39	22.15	23.04	<.0001	575.18	20.17	28.51	<.0001
3C2F2S1	441.35	7.15	61.69	<.0001	527.41	6.62	79.66	<.0001
3C2F2S2	484.39	21.34	22.70	<.0001	526.97	19.40	27.16	<.0001
3C2F2S3	565.91	13.01	43.49	<.0001	607.86	11.87	51.23	<.0001
3C2F2S4	589.52	20.98	28.09	<.0001	660.44	19.09	34.60	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C2F2S5	668.34	12.83	52.09	<.0001	744.36	11.72	63.51	<.0001
3C2F3S1	780.17	9.47	82.39	<.0001	841.08	8.77	95.90	<.0001
3C2F3S2	871.49	37.78	23.07	<.0001	885.05	34.32	25.79	<.0001
3C2F3S3	871.63	21.01	41.48	<.0001	924.70	19.12	48.35	<.0001
3C2F3S4	887.98	35.16	25.25	<.0001	956.58	31.95	29.94	<.0001
3C2F3S5	910.74	20.83	43.72	<.0001	992.34	18.99	52.25	<.0001
3C3F1S1	456.50	8.25	55.35	<.0001	512.67	7.55	67.90	<.0001
3C3F1S2	594.85	48.24	12.33	<.0001	632.30	43.79	14.44	<.0001
3C3F1S3	622.76	28.72	21.69	<.0001	643.17	26.08	24.66	<.0001
3C3F1S4	726.93	53.20	13.67	<.0001	789.48	48.30	16.35	<.0001
3C3F1S5	717.56	32.58	22.02	<.0001	781.59	29.61	26.40	<.0001
3C3F2S1	763.08	7.35	103.76	<.0001	857.73	6.82	125.82	<.0001
3C3F2S2	824.83	24.26	34.00	<.0001	873.84	22.05	39.63	<.0001
3C3F2S3	889.57	14.74	60.34	<.0001	941.16	13.43	70.06	<.0001
3C3F2S4	1020.70	24.04	42.45	<.0001	1080.69	21.86	49.44	<.0001
3C3F2S5	936.10	15.03	62.26	<.0001	1027.97	13.72	74.91	<.0001
3C3F3S1	1142.22	8.33	137.15	<.0001	1221.15	7.74	157.86	<.0001
3C3F3S2	1124.08	29.98	37.49	<.0001	1181.34	27.25	43.35	<.0001
3C3F3S3	1201.42	18.13	66.25	<.0001	1262.19	16.52	76.39	<.0001
3C3F3S4	1289.46	31.53	40.89	<.0001	1357.89	28.66	47.38	<.0001
3C3F3S5	1201.89	18.32	65.61	<.0001	1294.70	16.74	77.36	<.0001
4C1F1S1	607.85	29.17	20.84	<.0001	687.71	26.60	25.86	<.0001
4C1F1S2	704.27	31.61	22.28	<.0001	731.91	28.81	25.41	<.0001
4C1F1S3	773.03	46.79	16.52	<.0001	781.45	42.57	18.36	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
4C1F2S1	815.22	18.58	43.87	<.0001	892.34	16.96	52.60	<.0001
4C1F2S2	866.87	19.69	44.04	<.0001	884.79	17.96	49.27	<.0001
4C1F2S3	936.17	27.97	33.47	<.0001	930.71	25.46	36.56	<.0001
4C1F3S1	1108.30	55.63	19.92	<.0001	1191.18	50.53	23.57	<.0001
4C1F3S2	1320.24	58.10	22.72	<.0001	1346.24	52.76	25.52	<.0001
4C1F3S3	1202.62	78.22	15.37	<.0001	1204.22	71.02	16.96	<.0001
4C2F1S1	931.79	21.15	44.05	<.0001	1078.06	19.37	55.65	<.0001
4C2F1S2	989.81	25.34	39.07	<.0001	1067.94	23.10	46.24	<.0001
4C2F1S3	1069.51	37.05	28.87	<.0001	1091.95	33.71	32.40	<.0001
4C2F2S1	1089.76	12.09	90.13	<.0001	1230.15	11.12	110.63	<.0001
4C2F2S2	1159.32	13.60	85.22	<.0001	1208.40	12.45	97.06	<.0001
4C2F2S3	1277.68	18.44	69.29	<.0001	1258.46	16.84	74.73	<.0001
4C2F3S1	1526.85	34.67	44.03	<.0001	1614.62	31.52	51.22	<.0001
4C2F3S2	1604.44	38.51	41.66	<.0001	1666.91	35.00	47.62	<.0001
4C2F3S3	1602.77	50.20	31.93	<.0001	1599.90	45.57	35.11	<.0001
4C3F1S1	1322.02	24.16	54.72	<.0001	1461.60	22.03	66.35	<.0001
4C3F1S2	1340.93	28.62	46.85	<.0001	1430.11	26.06	54.87	<.0001
4C3F1S3	1486.93	40.63	36.60	<.0001	1490.21	36.98	40.30	<.0001
4C3F2S1	1571.44	11.59	135.53	<.0001	1702.29	10.67	159.60	<.0001
4C3F2S2	1650.72	13.09	126.09	<.0001	1690.49	11.99	141.01	<.0001
4C3F2S3	1746.99	17.19	101.61	<.0001	1740.15	15.73	110.62	<.0001
4C3F3S1	1932.52	23.12	83.60	<.0001	2044.81	21.05	97.12	<.0001
4C3F3S2	2009.77	25.07	80.16	<.0001	2074.47	22.82	90.92	<.0001
4C3F3S3	2036.68	33.58	60.65	<.0001	2043.40	30.53	66.94	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
5C1F1S1	1404.19	16.24	86.49	<.0001	1277.32	14.83	86.12	<.0001
5C1F2S1	1553.25	10.67	145.55	<.0001	1450.39	9.77	148.47	<.0001
5C1F3S1	1782.12	12.71	140.24	<.0001	1697.92	11.60	146.40	<.0001
5C2F1S1	1490.22	13.99	106.55	<.0001	1384.16	12.78	108.29	<.0001
5C2F2S1	1690.15	8.90	189.85	<.0001	1594.10	8.17	195.14	<.0001
5C2F3S1	1933.91	9.19	210.33	<.0001	1864.39	8.43	221.07	<.0001
5C3F1S1	1783.81	16.19	110.18	<.0001	1725.21	14.75	116.94	<.0001
5C3F2S1	2045.94	8.91	229.62	<.0001	1975.75	8.18	241.58	<.0001
5C3F3S1	2187.23	8.17	267.57	<.0001	2147.01	7.53	285.07	<.0001
This color shading indicates statistically not significant at the 5% level.								

Table 14. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-3 Variables

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
N	2,182,258				2,182,258			
R-Squared	0.147				0.302			
Root MSE	1,123.88				1,017.85			
Constant	197.02	6.50	30.32	<.0001	N/A	N/A	N/A	N/A
Group 1: Variables Already in the Payment System								
Intravenous Therapy At Home	-35.46	5.87	-6.04	<.0001	-71.95	5.43	-13.24	<.0001
Parenteral Nutrition	-99.82	21.87	-4.56	<.0001	-151.95	19.87	-7.65	<.0001
Enteral Nutrition	-57.46	7.39	-7.78	<.0001	-73.41	6.72	-10.93	<.0001
Unhealed Stage 2 Pressure Ulcer	-24.12	5.51	-4.38	<.0001	-17.80	5.00	-3.56	0.00
Traumatic Wounds	-217.77	13.40	-16.25	<.0001	-225.22	12.16	-18.52	<.0001
Ulcer	-282.94	4.31	-65.64	<.0001	-336.32	3.94	-85.33	<.0001
Dyspneic: When At Rest	-159.11	4.82	-33.00	<.0001	-180.48	4.45	-40.54	<.0001
Dyspneic: With Moderate Exertion	-117.45	1.82	-64.59	<.0001	-84.92	1.76	-48.36	<.0001
Dyspneic: With Minimal Exertion	-150.32	2.39	-62.88	<.0001	-147.45	2.33	-63.41	<.0001
Bathing: Able To Bathe With Use Of Devices	-22.75	4.35	-5.23	<.0001	3.90	4.01	0.97	0.33
Bathing: Needs Assistance	-65.34	4.75	-13.74	<.0001	-67.24	4.36	-15.41	<.0001
Bathing: Needs Assistance Throughout	-149.67	4.90	-30.56	<.0001	-189.70	4.51	-42.04	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-69.56	5.48	-12.70	<.0001	-166.19	5.06	-32.85	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-174.89	5.46	-32.01	<.0001	-260.10	5.05	-51.46	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-225.64	6.65	-33.92	<.0001	-284.77	6.11	-46.58	<.0001
Toilet Transferring: Totally Dependent	-31.77	5.33	-5.96	<.0001	3.70	4.90	.75	.45
Ambulation: Requires Assistance	144.98	2.05	70.73	<.0001	113.96	1.94	58.79	<.0001
Transferring: Bedfast, Able To Position	-49.05	10.14	-4.84	<.0001	-47.83	9.22	-5.19	<.0001
Bowel Incontinence Rare	-55.97	3.18	-17.58	<.0001	-58.83	3.02	-19.51	<.0001
Bowel Incontinence Frequent	-42.09	4.47	-9.41	<.0001	-3.03	4.20	-0.72	0.47
Ostomy	94.40	5.99	15.76	<.0001	59.30	5.45	10.88	<.0001
Group 2: Median HH Income by ZIP								
Median Household Income by ZIP Quartile 2	26.71	2.23	11.99	<.0001	7.16	2.19	3.26	0.00
Median Household Income by ZIP Quartile 3	42.00	2.19	19.16	<.0001	25.18	2.22	11.35	<.0001
Median Household Income by ZIP Quartile 4	83.08	2.06	40.34	<.0001	54.10	2.25	24.05	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
Group 3: Post-Acute Admissions in the Past 14 Days								
Post-Acute Admissions	-89.34	1.75	-51.16	<.0001	-139.16	1.69	-82.37	<.0001
HHRGs (Reference Category: 1C1F1S1}								
1C1F1S2	403.60	15.43	26.15	<.0001	356.28	14.01	25.43	<.0001
1C1F1S3	546.21	10.59	51.57	<.0001	487.43	9.62	50.65	<.0001
1C1F1S4	676.28	17.90	37.79	<.0001	620.07	16.24	38.17	<.0001
1C1F1S5	749.81	12.23	61.30	<.0001	684.82	11.12	61.58	<.0001
1C1F2S1	193.43	8.26	23.40	<.0001	224.79	7.53	29.86	<.0001
1C1F2S2	580.50	12.44	46.68	<.0001	581.70	11.31	51.42	<.0001
1C1F2S3	717.66	8.75	82.03	<.0001	706.89	7.98	88.61	<.0001
1C1F2S4	847.07	13.01	65.09	<.0001	823.07	11.83	69.57	<.0001
1C1F2S5	918.26	9.31	98.66	<.0001	893.17	8.49	105.16	<.0001
1C1F3S1	365.99	16.43	22.27	<.0001	386.03	14.93	25.85	<.0001
1C1F3S2	725.69	33.73	21.52	<.0001	727.71	30.61	23.78	<.0001
1C1F3S3	838.86	19.64	42.71	<.0001	835.35	17.84	46.83	<.0001
1C1F3S4	921.83	33.94	27.16	<.0001	918.38	30.79	29.82	<.0001
1C1F3S5	1022.63	20.17	50.70	<.0001	1023.68	18.33	55.83	<.0001
1C2F1S1	297.40	6.79	43.78	<.0001	308.91	6.17	50.07	<.0001
1C2F1S2	491.27	14.75	33.31	<.0001	471.34	13.38	35.22	<.0001
1C2F1S3	613.77	10.14	60.55	<.0001	582.78	9.21	63.27	<.0001
1C2F1S4	722.76	17.10	42.26	<.0001	693.61	15.52	44.68	<.0001
1C2F1S5	799.80	11.49	69.60	<.0001	769.14	10.45	73.58	<.0001
1C2F2S1	490.33	6.90	71.11	<.0001	539.98	6.31	85.58	<.0001
1C2F2S2	700.34	10.37	67.56	<.0001	718.75	9.44	76.15	<.0001
1C2F2S3	799.53	7.75	103.22	<.0001	813.07	7.08	114.87	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
1C2F2S4	907.32	10.66	85.11	<.0001	921.04	9.71	94.85	<.0001
1C2F2S5	959.30	8.05	119.18	<.0001	964.63	7.36	130.99	<.0001
1C2F3S1	700.05	10.09	69.40	<.0001	735.20	9.22	79.71	<.0001
1C2F3S2	830.28	22.17	37.46	<.0001	854.56	20.14	42.43	<.0001
1C2F3S3	917.72	13.45	68.21	<.0001	947.01	12.26	77.25	<.0001
1C2F3S4	1010.01	21.62	46.72	<.0001	1036.76	19.63	52.81	<.0001
1C2F3S5	1048.22	13.80	75.94	<.0001	1067.14	12.57	84.91	<.0001
1C3F1S1	529.77	6.57	80.61	<.0001	544.93	5.98	91.05	<.0001
1C3F1S2	531.67	18.47	28.79	<.0001	549.35	16.76	32.78	<.0001
1C3F1S3	639.73	12.17	52.55	<.0001	643.41	11.06	58.17	<.0001
1C3F1S4	728.10	21.11	34.49	<.0001	748.33	19.16	39.05	<.0001
1C3F1S5	804.83	13.97	57.62	<.0001	821.02	12.70	64.63	<.0001
1C3F2S1	779.07	6.64	117.36	<.0001	833.55	6.10	136.61	<.0001
1C3F2S2	791.14	10.96	72.18	<.0001	836.86	9.99	83.78	<.0001
1C3F2S3	878.31	8.06	108.92	<.0001	923.21	7.38	125.04	<.0001
1C3F2S4	972.13	11.25	86.40	<.0001	1003.18	10.26	97.78	<.0001
1C3F2S5	1020.46	8.35	122.15	<.0001	1050.96	7.66	137.28	<.0001
1C3F3S1	1021.99	8.05	126.98	<.0001	1074.56	7.42	144.89	<.0001
1C3F3S2	949.38	18.05	52.61	<.0001	1010.71	16.42	61.54	<.0001
1C3F3S3	997.70	11.52	86.57	<.0001	1058.79	10.54	100.47	<.0001
1C3F3S4	1062.10	18.43	57.64	<.0001	1120.51	16.76	66.86	<.0001
1C3F3S5	1107.91	11.96	92.66	<.0001	1156.30	10.93	105.77	<.0001
2C1F1S1	751.45	20.03	37.52	<.0001	711.08	18.24	38.97	<.0001
2C1F1S2	812.44	23.47	34.61	<.0001	754.40	21.37	35.30	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
2C1F1S3	919.78	31.09	29.59	<.0001	820.38	28.25	29.04	<.0001
2C1F2S1	943.78	13.84	68.19	<.0001	942.55	12.63	74.65	<.0001
2C1F2S2	972.57	15.68	62.01	<.0001	947.81	14.28	66.36	<.0001
2C1F2S3	987.46	19.47	50.71	<.0001	938.36	17.70	53.01	<.0001
2C1F3S1	1006.64	22.62	44.51	<.0001	1067.71	20.56	51.94	<.0001
2C1F3S2	1060.11	24.17	43.86	<.0001	1053.06	21.96	47.95	<.0001
2C1F3S3	1018.67	28.87	35.29	<.0001	1005.31	26.21	38.35	<.0001
2C2F1S1	981.92	11.94	82.26	<.0001	974.14	10.94	89.04	<.0001
2C2F1S2	1048.16	14.02	74.78	<.0001	1021.17	12.78	79.91	<.0001
2C2F1S3	1092.78	18.42	59.31	<.0001	1017.84	16.76	60.72	<.0001
2C2F2S1	1188.44	8.62	137.90	<.0001	1204.83	7.93	151.97	<.0001
2C2F2S2	1256.77	9.46	132.80	<.0001	1232.12	8.67	142.06	<.0001
2C2F2S3	1275.55	11.12	114.68	<.0001	1232.84	10.16	121.40	<.0001
2C2F3S1	1243.96	12.52	99.36	<.0001	1258.43	11.42	110.22	<.0001
2C2F3S2	1316.87	13.62	96.67	<.0001	1303.62	12.41	105.01	<.0001
2C2F3S3	1322.17	16.16	81.83	<.0001	1277.96	14.71	86.90	<.0001
2C3F1S1	1278.88	16.12	79.34	<.0001	1304.84	14.70	88.78	<.0001
2C3F1S2	1259.63	19.31	65.22	<.0001	1254.20	17.56	71.41	<.0001
2C3F1S3	1303.44	25.95	50.23	<.0001	1273.01	23.57	54.02	<.0001
2C3F2S1	1542.11	9.33	165.26	<.0001	1574.58	8.58	183.44	<.0001
2C3F2S2	1560.17	10.47	148.97	<.0001	1553.74	9.58	162.19	<.0001
2C3F2S3	1570.93	12.28	127.92	<.0001	1539.95	11.21	137.36	<.0001
2C3F3S1	1572.34	11.74	133.94	<.0001	1628.55	10.73	151.77	<.0001
2C3F3S2	1644.10	12.82	128.24	<.0001	1655.25	11.69	141.54	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
2C3F3S3	1634.88	14.78	110.61	<.0001	1623.98	13.46	120.63	<.0001
3C1F1S1	135.19	7.98	16.94	<.0001	220.13	7.34	30.00	<.0001
3C1F1S2	192.45	35.91	5.36	<.0001	237.73	32.58	7.30	<.0001
3C1F1S3	369.41	20.67	17.88	<.0001	415.45	18.77	22.13	<.0001
3C1F1S4	401.66	33.84	11.87	<.0001	485.02	30.74	15.78	<.0001
3C1F1S5	471.65	20.50	23.01	<.0001	564.31	18.70	30.18	<.0001
3C1F2S1	437.10	7.57	57.71	<.0001	515.38	6.98	73.83	<.0001
3C1F2S2	450.18	23.52	19.14	<.0001	507.26	21.35	23.76	<.0001
3C1F2S3	576.20	13.80	41.75	<.0001	622.79	12.56	49.60	<.0001
3C1F2S4	661.32	21.85	30.27	<.0001	756.43	19.85	38.11	<.0001
3C1F2S5	707.39	13.50	52.40	<.0001	792.84	12.32	64.37	<.0001
3C1F3S1	734.38	11.05	66.46	<.0001	784.26	10.21	76.82	<.0001
3C1F3S2	764.77	46.19	16.56	<.0001	776.28	41.90	18.53	<.0001
3C1F3S3	818.32	25.33	32.31	<.0001	852.89	23.01	37.07	<.0001
3C1F3S4	810.79	43.61	18.59	<.0001	893.09	39.58	22.56	<.0001
3C1F3S5	927.63	24.16	38.39	<.0001	999.64	22.02	45.41	<.0001
3C2F1S1	153.18	7.66	20.01	<.0001	226.97	7.02	32.33	<.0001
3C2F1S2	150.14	35.77	4.20	<.0001	183.39	32.45	5.65	<.0001
3C2F1S3	298.59	21.61	13.82	<.0001	333.44	19.61	17.00	<.0001
3C2F1S4	348.41	37.16	9.38	<.0001	427.06	33.73	12.66	<.0001
3C2F1S5	481.21	22.14	21.73	<.0001	548.37	20.14	27.22	<.0001
3C2F2S1	404.20	7.19	56.24	<.0001	491.08	6.63	74.12	<.0001
3C2F2S2	455.22	21.33	21.34	<.0001	499.35	19.37	25.78	<.0001
3C2F2S3	536.53	13.02	41.21	<.0001	581.16	11.85	49.04	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
3C2F2S4	561.12	20.98	26.75	<.0001	636.93	19.06	33.42	<.0001
3C2F2S5	639.13	12.83	49.80	<.0001	722.42	11.71	61.72	<.0001
3C2F3S1	740.85	9.49	78.03	<.0001	803.53	8.77	91.64	<.0001
3C2F3S2	841.43	37.76	22.28	<.0001	859.46	34.27	25.08	<.0001
3C2F3S3	840.25	21.01	40.00	<.0001	897.82	19.10	47.01	<.0001
3C2F3S4	857.66	35.15	24.40	<.0001	932.76	31.90	29.24	<.0001
3C2F3S5	878.67	20.83	42.18	<.0001	968.64	18.97	51.07	<.0001
3C3F1S1	423.40	8.27	51.21	<.0001	471.00	7.55	62.34	<.0001
3C3F1S2	570.57	48.21	11.83	<.0001	604.10	43.72	13.82	<.0001
3C3F1S3	597.85	28.70	20.83	<.0001	614.58	26.04	23.60	<.0001
3C3F1S4	701.81	53.17	13.20	<.0001	762.70	48.22	15.82	<.0001
3C3F1S5	692.21	32.56	21.26	<.0001	757.03	29.56	25.61	<.0001
3C3F2S1	726.03	7.39	98.30	<.0001	820.03	6.82	120.21	<.0001
3C3F2S2	798.96	24.25	32.94	<.0001	850.34	22.02	38.62	<.0001
3C3F2S3	863.13	14.74	58.54	<.0001	918.12	13.42	68.44	<.0001
3C3F2S4	994.24	24.03	41.37	<.0001	1059.52	21.83	48.54	<.0001
3C3F2S5	908.67	15.04	60.44	<.0001	1007.51	13.70	73.52	<.0001
3C3F3S1	1104.37	8.36	132.17	<.0001	1183.87	7.74	153.02	<.0001
3C3F3S2	1096.24	29.97	36.58	<.0001	1158.38	27.21	42.57	<.0001
3C3F3S3	1174.00	18.13	64.75	<.0001	1240.91	16.50	75.21	<.0001
3C3F3S4	1264.97	31.52	40.13	<.0001	1343.35	28.62	46.94	<.0001
3C3F3S5	1175.28	18.32	64.17	<.0001	1278.61	16.71	76.51	<.0001
4C1F1S1	575.78	29.16	19.74	<.0001	660.73	26.56	24.88	<.0001
4C1F1S2	671.86	31.60	21.26	<.0001	702.34	28.76	24.42	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
4C1F1S3	742.59	46.76	15.88	<.0001	754.41	42.50	17.75	<.0001
4C1F2S1	780.87	18.59	42.02	<.0001	866.71	16.94	51.16	<.0001
4C1F2S2	832.56	19.69	42.29	<.0001	857.60	17.93	47.82	<.0001
4C1F2S3	905.81	27.96	32.39	<.0001	908.61	25.42	35.75	<.0001
4C1F3S1	1074.86	55.60	19.33	<.0001	1164.78	50.45	23.09	<.0001
4C1F3S2	1285.02	58.07	22.13	<.0001	1315.63	52.67	24.98	<.0001
4C1F3S3	1171.84	78.18	14.99	<.0001	1180.47	70.91	16.65	<.0001
4C2F1S1	899.84	21.15	42.54	<.0001	1053.87	19.34	54.48	<.0001
4C2F1S2	957.93	25.33	37.82	<.0001	1040.81	23.06	45.13	<.0001
4C2F1S3	1040.53	37.03	28.10	<.0001	1067.98	33.65	31.73	<.0001
4C2F2S1	1056.28	12.10	87.28	<.0001	1207.79	11.11	108.76	<.0001
4C2F2S2	1126.47	13.61	82.76	<.0001	1184.04	12.43	95.22	<.0001
4C2F2S3	1247.88	18.44	67.68	<.0001	1238.48	16.82	73.65	<.0001
4C2F3S1	1495.93	34.66	43.16	<.0001	1592.99	31.48	50.61	<.0001
4C2F3S2	1573.04	38.50	40.86	<.0001	1642.72	34.95	47.00	<.0001
4C2F3S3	1577.87	50.17	31.45	<.0001	1583.44	45.50	34.80	<.0001
4C3F1S1	1291.87	24.15	53.48	<.0001	1437.37	22.00	65.34	<.0001
4C3F1S2	1310.46	28.61	45.80	<.0001	1403.10	26.03	53.91	<.0001
4C3F1S3	1457.24	40.61	35.88	<.0001	1463.94	36.92	39.65	<.0001
4C3F2S1	1540.20	11.60	132.73	<.0001	1682.45	10.65	157.94	<.0001
4C3F2S2	1618.66	13.10	123.58	<.0001	1667.09	11.97	139.24	<.0001
4C3F2S3	1720.08	17.19	100.06	<.0001	1724.19	15.71	109.77	<.0001
4C3F3S1	1901.28	23.11	82.27	<.0001	2023.35	21.02	96.24	<.0001
4C3F3S2	1977.79	25.06	78.91	<.0001	2050.93	22.78	90.02	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.73)				Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
4C3F3S3	2012.11	33.56	59.95	<.0001	2029.92	30.48	66.60	<.0001
5C1F1S1	1392.15	16.23	85.79	<.0001	1266.62	14.81	85.53	<.0001
5C1F2S1	1546.14	10.67	144.96	<.0001	1453.25	9.75	148.99	<.0001
5C1F3S1	1769.56	12.70	139.31	<.0001	1694.58	11.58	146.34	<.0001
5C2F1S1	1483.28	13.98	106.12	<.0001	1381.14	12.76	108.22	<.0001
5C2F2S1	1690.26	8.90	189.98	<.0001	1607.55	8.16	197.06	<.0001
5C2F3S1	1926.03	9.19	209.57	<.0001	1869.80	8.42	222.05	<.0001
5C3F1S1	1780.12	16.18	110.02	<.0001	1728.63	14.73	117.36	<.0001
5C3F2S1	2049.27	8.90	230.13	<.0001	1994.98	8.17	244.21	<.0001
5C3F3S1	2180.57	8.17	266.88	<.0001	2155.23	7.52	286.59	<.0001
This color shading indicates statistically not significant at the 5% level.								

Table 15. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-4 Variables

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
N	2,107,721				2,107,721			
R-Squared	0.149				0.304			
Root MSE	1,125.53				1,018.81			
Constant	225.66	6.73	33.54	<.0001	N/A	N/A	N/A	N/A
Group 1: Variables Already in the Payment System								
Intravenous Therapy At Home	-30.83	6.11	-5.05	<.0001	-69.10	5.65	-12.23	<.0001
Parenteral Nutrition	-82.10	23.32	-3.52	0.00	-132.72	21.17	-6.27	<.0001
Enteral Nutrition	-47.98	7.60	-6.31	<.0001	-63.35	6.91	-9.17	<.0001
Unhealed Stage 2 Pressure Ulcer	-26.87	5.60	-4.80	<.0001	-20.34	5.09	-4.00	<.0001
Traumatic Wounds	-215.49	13.69	-15.75	<.0001	-223.57	12.42	-18.01	<.0001
Ulcer	-268.70	4.40	-61.08	<.0001	-325.42	4.02	-80.98	<.0001
Dyspneic: When At Rest	-140.31	4.92	-28.52	<.0001	-157.15	4.55	-34.57	<.0001
Dyspneic: With Moderate Exertion	-113.74	1.85	-61.35	<.0001	-77.68	1.79	-43.35	<.0001
Dyspneic: With Minimal Exertion	-140.06	2.44	-57.42	<.0001	-131.38	2.38	-55.21	<.0001
Bathing: Able To Bathe With Use Of Devices	-21.50	4.48	-4.80	<.0001	6.54	4.13	1.58	0.11
Bathing: Needs Assistance	-64.30	4.89	-13.16	<.0001	-65.76	4.48	-14.67	<.0001
Bathing: Needs Assistance Throughout	-145.60	5.03	-28.95	<.0001	-186.59	4.63	-40.29	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-72.87	5.62	-12.96	<.0001	-169.79	5.19	-32.72	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-175.12	5.61	-31.24	<.0001	-261.68	5.18	-50.51	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-220.99	6.79	-32.54	<.0001	-283.39	6.24	-45.43	<.0001
Toilet Transferring: Totally Dependent	-42.71	10.33	-4.13	<.0001	3.28	4.97	.66	.51
Ambulation: Requires Assistance	145.25	2.08	69.73	<.0001	113.78	1.97	57.79	<.0001
Transferring: Bedfast, Able To Position	-42.71	10.34	-4.13	<.0001	-42.51	9.39	-4.53	<.0001
Bowel Incontinence Rare	-55.89	3.23	-17.33	<.0001	-56.90	3.05	-18.63	<.0001
Bowel Incontinence Frequent	-44.39	4.54	-9.78	<.0001	-2.75	4.25	-0.65	0.52
Ostomy	105.68	6.14	17.20	<.0001	69.75	5.59	12.48	<.0001
Group 2: Median HH Income by ZIP								
Median Household Income by ZIP Quartile 2	27.65	2.27	12.15	<.0001	6.52	2.24	2.91	0.00
Median Household Income by ZIP Quartile 3	43.90	2.24	19.63	<.0001	24.03	2.26	10.62	<.0001
Median Household Income by ZIP Quartile 4	85.82	2.10	40.86	<.0001	51.70	2.29	22.54	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
Group 3: Post-Acute Admissions in the Past 14 Days								
Post-Acute Admissions	-93.37	1.78	-52.35	<.0001	-144.68	1.72	-83.94	<.0001
Group 4: HCC Quartiles								
HCC Score Quartile 2	-33.12	2.17	-15.29	<.0001	-31.10	1.97	-15.75	<.0001
HCC Score Quartile 3	-73.10	2.22	-32.95	<.0001	-74.47	2.03	-36.64	<.0001
HCC Score Quartile 4	-114.93	2.29	-50.10	<.0001	-119.44	2.12	-56.28	<.0001
HHRGs {Reference Category: 1C1F1S1}								
1C1F1S2	402.64	15.75	25.56	<.0001	357.35	14.29	25.00	<.0001
1C1F1S3	547.85	10.80	50.72	<.0001	488.40	9.81	49.78	<.0001
1C1F1S4	678.99	18.19	37.32	<.0001	622.01	16.51	37.69	<.0001
1C1F1S5	753.24	12.48	60.35	<.0001	689.45	11.34	60.79	<.0001
1C1F2S1	192.90	8.44	22.86	<.0001	225.03	7.68	29.29	<.0001
1C1F2S2	575.44	12.75	45.14	<.0001	578.69	11.59	49.93	<.0001
1C1F2S3	713.58	8.94	79.81	<.0001	705.02	8.15	86.53	<.0001
1C1F2S4	844.69	13.29	63.56	<.0001	823.93	12.08	68.23	<.0001
1C1F2S5	917.01	9.50	96.57	<.0001	893.98	8.66	103.23	<.0001
1C1F3S1	371.71	16.73	22.21	<.0001	395.32	15.20	26.01	<.0001
1C1F3S2	733.42	34.36	21.35	<.0001	736.05	31.16	23.62	<.0001
1C1F3S3	843.07	20.00	42.14	<.0001	842.94	18.16	46.42	<.0001
1C1F3S4	929.44	34.55	26.90	<.0001	930.99	31.33	29.72	<.0001
1C1F3S5	1028.50	20.57	50.01	<.0001	1032.58	18.69	55.26	<.0001
1C2F1S1	306.00	6.95	44.00	<.0001	318.68	6.31	50.48	<.0001
1C2F1S2	498.58	15.06	33.11	<.0001	478.94	13.66	35.07	<.0001
1C2F1S3	626.98	10.35	60.57	<.0001	594.57	9.40	63.24	<.0001
1C2F1S4	735.73	17.46	42.13	<.0001	705.78	15.84	44.55	<.0001
1C2F1S5	814.90	11.74	69.41	<.0001	785.70	10.67	73.61	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
1C2F2S1	500.31	7.04	71.03	<.0001	551.90	6.44	85.66	<.0001
1C2F2S2	704.51	10.58	66.57	<.0001	724.92	9.63	75.27	<.0001
1C2F2S3	804.91	7.91	101.75	<.0001	821.13	7.23	113.65	<.0001
1C2F2S4	911.76	10.88	83.81	<.0001	929.20	9.90	93.82	<.0001
1C2F2S5	967.55	8.21	117.85	<.0001	975.77	7.51	129.97	<.0001
1C2F3S1	714.41	10.27	69.53	<.0001	753.98	9.39	80.29	<.0001
1C2F3S2	840.52	22.56	37.25	<.0001	869.87	20.49	42.46	<.0001
1C2F3S3	928.88	13.70	67.81	<.0001	962.00	12.48	77.10	<.0001
1C2F3S4	1022.89	21.93	46.64	<.0001	1054.57	19.91	52.97	<.0001
1C2F3S5	1057.64	14.06	75.24	<.0001	1080.93	12.79	84.48	<.0001
1C3F1S1	545.25	6.75	80.78	<.0001	563.00	6.14	91.63	<.0001
1C3F1S2	557.58	18.98	29.38	<.0001	574.53	17.21	33.38	<.0001
1C3F1S3	660.49	12.49	52.90	<.0001	666.56	11.34	58.79	<.0001
1C3F1S4	760.74	21.65	35.14	<.0001	780.00	19.64	39.72	<.0001
1C3F1S5	823.72	14.34	57.44	<.0001	841.01	13.03	64.53	<.0001
1C3F2S1	796.99	6.79	117.30	<.0001	856.54	6.25	137.15	<.0001
1C3F2S2	813.30	11.22	72.51	<.0001	860.63	10.22	84.23	<.0001
1C3F2S3	894.90	8.25	108.48	<.0001	943.36	7.55	124.93	<.0001
1C3F2S4	989.35	11.50	86.01	<.0001	1024.75	10.48	97.74	<.0001
1C3F2S5	1040.46	8.54	121.79	<.0001	1075.01	7.83	137.35	<.0001
1C3F3S1	1045.50	8.24	126.92	<.0001	1105.45	7.59	145.62	<.0001
1C3F3S2	971.14	18.44	52.67	<.0001	1038.74	16.77	61.93	<.0001
1C3F3S3	1019.85	11.78	86.55	<.0001	1086.54	10.77	100.86	<.0001
1C3F3S4	1089.85	18.84	57.85	<.0001	1154.54	17.13	67.42	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
1C3F3S5	1131.43	12.23	92.48	<.0001	1186.79	11.18	106.13	<.0001
2C1F1S1	756.74	20.52	36.88	<.0001	719.98	18.67	38.56	<.0001
2C1F1S2	819.52	24.05	34.08	<.0001	759.05	21.88	34.70	<.0001
2C1F1S3	925.74	31.86	29.06	<.0001	825.93	28.93	28.55	<.0001
2C1F2S1	943.94	14.17	66.63	<.0001	947.35	12.91	73.36	<.0001
2C1F2S2	978.77	16.01	61.15	<.0001	956.09	14.57	65.63	<.0001
2C1F2S3	992.22	19.82	50.07	<.0001	945.53	18.00	52.52	<.0001
2C1F3S1	1012.82	22.98	44.07	<.0001	1079.43	20.88	51.69	<.0001
2C1F3S2	1062.67	24.59	43.21	<.0001	1060.88	22.33	47.51	<.0001
2C1F3S3	1025.10	29.40	34.87	<.0001	1010.60	26.68	37.88	<.0001
2C2F1S1	996.43	12.21	81.62	<.0001	987.48	11.18	88.35	<.0001
2C2F1S2	1063.12	14.31	74.27	<.0001	1036.88	13.04	79.51	<.0001
2C2F1S3	1101.86	18.73	58.84	<.0001	1028.31	17.03	60.38	<.0001
2C2F2S1	1195.47	8.80	135.87	<.0001	1216.29	8.09	150.39	<.0001
2C2F2S2	1266.24	9.64	131.32	<.0001	1244.48	8.83	140.92	<.0001
2C2F2S3	1287.64	11.31	113.80	<.0001	1247.76	10.32	120.85	<.0001
2C2F3S1	1258.61	12.74	98.80	<.0001	1275.01	11.61	109.78	<.0001
2C2F3S2	1329.84	13.83	96.14	<.0001	1320.87	12.60	104.83	<.0001
2C2F3S3	1336.72	16.40	81.52	<.0001	1294.07	14.92	86.76	<.0001
2C3F1S1	1301.87	16.55	78.65	<.0001	1329.91	15.08	88.17	<.0001
2C3F1S2	1279.80	19.86	64.46	<.0001	1277.39	18.04	70.79	<.0001
2C3F1S3	1323.57	26.59	49.77	<.0001	1298.85	24.14	53.80	<.0001
2C3F2S1	1561.16	9.54	163.64	<.0001	1599.41	8.77	182.38	<.0001
2C3F2S2	1576.83	10.70	147.42	<.0001	1576.39	9.78	161.20	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
2C3F2S3	1598.30	12.53	127.55	<.0001	1570.88	11.43	137.39	<.0001
2C3F3S1	1594.47	12.00	132.83	<.0001	1657.72	10.97	151.12	<.0001
2C3F3S2	1668.55	13.07	127.70	<.0001	1687.86	11.92	141.65	<.0001
2C3F3S3	1656.21	15.06	109.94	<.0001	1651.72	13.72	120.42	<.0001
3C1F1S1	151.97	8.13	18.69	<.0001	243.73	7.47	32.61	<.0001
3C1F1S2	216.03	36.28	5.95	<.0001	264.99	32.90	8.05	<.0001
3C1F1S3	392.04	20.98	18.69	<.0001	438.86	19.05	23.03	<.0001
3C1F1S4	427.45	34.28	12.47	<.0001	512.93	31.13	16.48	<.0001
3C1F1S5	491.02	20.83	23.57	<.0001	587.16	18.99	30.92	<.0001
3C1F2S1	455.29	7.71	59.03	<.0001	541.21	7.11	76.10	<.0001
3C1F2S2	478.40	23.74	20.15	<.0001	540.18	21.54	25.07	<.0001
3C1F2S3	602.76	13.95	43.22	<.0001	654.06	12.68	51.57	<.0001
3C1F2S4	693.34	22.06	31.43	<.0001	792.81	20.03	39.57	<.0001
3C1F2S5	732.75	13.66	53.65	<.0001	825.19	12.46	66.23	<.0001
3C1F3S1	756.93	11.19	67.63	<.0001	816.67	10.34	78.95	<.0001
3C1F3S2	802.20	46.78	17.15	<.0001	816.33	42.41	19.25	<.0001
3C1F3S3	847.86	25.55	33.19	<.0001	889.65	23.20	38.35	<.0001
3C1F3S4	838.95	44.01	19.06	<.0001	928.59	39.93	23.26	<.0001
3C1F3S5	955.08	24.41	39.13	<.0001	1036.09	22.23	46.60	<.0001
3C2F1S1	174.92	7.82	22.37	<.0001	255.99	7.17	35.69	<.0001
3C2F1S2	177.98	36.32	4.90	<.0001	219.25	32.93	6.66	<.0001
3C2F1S3	328.29	21.91	14.99	<.0001	368.14	19.88	18.52	<.0001
3C2F1S4	373.31	37.96	9.83	<.0001	460.38	34.44	13.37	<.0001
3C2F1S5	508.60	22.53	22.57	<.0001	582.46	20.49	28.43	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C2F2S1	429.46	7.34	58.51	<.0001	526.46	6.77	77.72	<.0001
3C2F2S2	491.69	21.59	22.77	<.0001	540.97	19.60	27.60	<.0001
3C2F2S3	571.49	13.19	43.31	<.0001	622.43	12.01	51.83	<.0001
3C2F2S4	593.38	21.25	27.93	<.0001	676.59	19.29	35.07	<.0001
3C2F2S5	675.24	13.02	51.88	<.0001	766.86	11.87	64.60	<.0001
3C2F3S1	771.49	9.65	79.93	<.0001	845.45	8.92	94.77	<.0001
3C2F3S2	881.47	38.22	23.07	<.0001	908.05	34.66	26.20	<.0001
3C2F3S3	881.56	21.30	41.40	<.0001	944.61	19.35	48.81	<.0001
3C2F3S4	893.67	35.52	25.16	<.0001	980.46	32.23	30.42	<.0001
3C2F3S5	909.49	21.07	43.17	<.0001	1009.34	19.18	52.63	<.0001
3C3F1S1	452.69	8.47	53.43	<.0001	508.84	7.74	65.70	<.0001
3C3F1S2	607.46	49.19	12.35	<.0001	640.64	44.59	14.37	<.0001
3C3F1S3	639.09	29.26	21.84	<.0001	664.38	26.53	25.04	<.0001
3C3F1S4	732.18	54.16	13.52	<.0001	805.92	49.10	16.41	<.0001
3C3F1S5	734.20	33.18	22.13	<.0001	808.20	30.11	26.84	<.0001
3C3F2S1	757.03	7.56	100.19	<.0001	862.81	6.99	123.48	<.0001
3C3F2S2	845.70	24.59	34.39	<.0001	904.44	22.32	40.53	<.0001
3C3F2S3	901.30	14.98	60.16	<.0001	965.71	13.63	70.84	<.0001
3C3F2S4	1028.35	24.37	42.19	<.0001	1106.24	22.12	50.00	<.0001
3C3F2S5	951.31	15.29	62.23	<.0001	1058.58	13.93	75.98	<.0001
3C3F3S1	1141.91	8.54	133.71	<.0001	1234.60	7.92	155.92	<.0001
3C3F3S2	1132.71	30.50	37.14	<.0001	1208.54	27.68	43.66	<.0001
3C3F3S3	1217.49	18.47	65.93	<.0001	1295.80	16.80	77.12	<.0001
3C3F3S4	1293.31	32.01	40.40	<.0001	1385.05	29.05	47.67	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C3F3S5	1213.53	18.62	65.19	<.0001	1331.78	16.99	78.41	<.0001
4C1F1S1	597.61	29.58	20.20	<.0001	686.35	26.93	25.48	<.0001
4C1F1S2	691.96	32.14	21.53	<.0001	725.76	29.23	24.83	<.0001
4C1F1S3	766.81	47.37	16.19	<.0001	778.84	43.02	18.10	<.0001
4C1F2S1	805.06	18.81	42.80	<.0001	894.69	17.14	52.20	<.0001
4C1F2S2	851.35	19.91	42.77	<.0001	882.24	18.13	48.66	<.0001
4C1F2S3	926.88	28.17	32.90	<.0001	934.68	25.59	36.52	<.0001
4C1F3S1	1101.83	56.37	19.55	<.0001	1202.00	51.13	23.51	<.0001
4C1F3S2	1324.15	58.95	22.46	<.0001	1359.72	53.44	25.44	<.0001
4C1F3S3	1174.53	80.05	14.67	<.0001	1207.05	72.57	16.63	<.0001
4C2F1S1	931.33	21.49	43.34	<.0001	1084.95	19.65	55.22	<.0001
4C2F1S2	985.89	25.63	38.46	<.0001	1075.00	23.33	46.08	<.0001
4C2F1S3	1062.69	37.57	28.28	<.0001	1100.82	34.13	32.25	<.0001
4C2F2S1	1079.60	12.27	87.99	<.0001	1239.85	11.26	110.12	<.0001
4C2F2S2	1152.43	13.77	83.72	<.0001	1218.49	12.57	96.90	<.0001
4C2F2S3	1271.61	18.65	68.17	<.0001	1271.60	17.01	74.76	<.0001
4C2F3S1	1542.98	35.07	44.00	<.0001	1645.71	31.83	51.70	<.0001
4C2F3S2	1608.98	38.93	41.33	<.0001	1684.71	35.33	47.69	<.0001
4C2F3S3	1616.14	50.41	32.06	<.0001	1630.14	45.70	35.67	<.0001
4C3F1S1	1333.75	24.54	54.36	<.0001	1484.12	22.34	66.43	<.0001
4C3F1S2	1325.73	29.12	45.52	<.0001	1431.00	26.48	54.03	<.0001
4C3F1S3	1507.64	41.11	36.68	<.0001	1516.19	37.36	40.58	<.0001
4C3F2S1	1576.23	11.81	133.44	<.0001	1728.39	10.85	159.34	<.0001
4C3F2S2	1654.94	13.29	124.55	<.0001	1714.57	12.15	141.14	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
4C3F2S3	1756.27	17.43	100.79	<.0001	1771.23	15.92	111.25	<.0001
4C3F3S1	1941.75	23.46	82.78	<.0001	2077.31	21.33	97.37	<.0001
4C3F3S2	2009.89	25.46	78.93	<.0001	2095.43	23.14	90.56	<.0001
4C3F3S3	2056.87	34.10	60.32	<.0001	2084.78	30.95	67.35	<.0001
5C1F1S1	1400.10	16.50	84.87	<.0001	1276.24	15.05	84.82	<.0001
5C1F2S1	1554.56	10.83	143.58	<.0001	1464.09	9.90	147.93	<.0001
5C1F3S1	1783.80	12.90	138.29	<.0001	1711.62	11.75	145.62	<.0001
5C2F1S1	1496.98	14.20	105.42	<.0001	1397.55	12.96	107.85	<.0001
5C2F2S1	1701.96	9.05	187.97	<.0001	1622.72	8.30	195.53	<.0001
5C2F3S1	1947.11	9.34	208.39	<.0001	1894.90	8.56	221.37	<.0001
5C3F1S1	1807.21	16.54	109.27	<.0001	1759.11	15.05	116.89	<.0001
5C3F2S1	2068.58	9.08	227.80	<.0001	2019.59	8.33	242.47	<.0001
5C3F3S1	2214.42	8.35	265.32	<.0001	2195.85	7.68	285.75	<.0001
This color shading indicates statistically not significant at the 5% level.								

Table 16. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-5 Variables

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
N	2,107,721				2,107,721			
R-Squared	0.153				0.308			
Root MSE	1,123.23				1,016.37			
Constant	243.04	6.73	36.10	<.0001	N/A	N/A	N/A	N/A
Group 1: Variables Already in the Payment System								
Intravenous Therapy At Home	-48.24	6.11	-7.90	<.0001	-85.63	5.64	-15.18	<.0001
Parenteral Nutrition	-107.93	23.28	-4.64	<.0001	-157.56	21.13	-7.46	<.0001
Enteral Nutrition	-68.53	7.60	-9.01	<.0001	-81.83	6.91	-11.85	<.0001
Unhealed Stage 2 Pressure Ulcer	-43.08	5.60	-7.70	<.0001	-35.85	5.08	-7.05	<.0001
Traumatic Wounds	-226.94	13.66	-16.61	<.0001	-234.16	12.39	-18.90	<.0001
Ulcer	-264.85	4.41	-60.03	<.0001	-320.38	4.03	-79.56	<.0001
Dyspneic: When At Rest	-121.55	4.94	-24.61	<.0001	-140.02	4.56	-30.70	<.0001
Dyspneic: With Moderate Exertion	-106.85	1.86	-57.53	<.0001	-72.77	1.79	-40.57	<.0001
Dyspneic: With Minimal Exertion	-122.64	2.46	-49.87	<.0001	-118.06	2.39	-49.32	<.0001
Bathing: Able To Bathe With Use Of Devices	-19.29	4.47	-4.31	<.0001	6.32	4.12	1.54	0.12
Bathing: Needs Assistance	-67.66	4.88	-13.87	<.0001	-67.20	4.47	-15.02	<.0001
Bathing: Needs Assistance Throughout	-149.43	5.02	-29.74	<.0001	-187.47	4.62	-40.55	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-78.11	5.62	-13.91	<.0001	-175.26	5.18	-33.83	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-179.82	5.60	-32.13	<.0001	-265.73	5.17	-51.39	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-226.55	6.79	-33.38	<.0001	-284.13	6.23	-45.61	<.0001
Toilet Transferring: Totally Dependent	-36.93	5.40	-6.84	<.0001	-.25	4.96	-.05	.96
Ambulation: Requires Assistance	144.26	2.08	69.34	<.0001	113.89	1.97	57.94	<.0001
Transferring: Bedfast, Able To Position	-41.38	10.32	-4.01	<.0001	-42.44	9.37	-4.53	<.0001
Bowel Incontinence Rare	-52.57	3.22	-16.32	<.0001	-54.07	3.05	-17.74	<.0001
Bowel Incontinence Frequent	-43.55	4.54	-9.60	<.0001	-0.95	4.25	-0.22	0.82
Ostomy	84.01	6.14	13.68	<.0001	48.77	5.58	8.74	<.0001
Group 2: Median HH Income by ZIP								
Median Household Income by ZIP Quartile 2	25.17	2.27	11.08	<.0001	5.62	2.23	2.52	0.01
Median Household Income by ZIP Quartile 3	39.05	2.24	17.47	<.0001	21.72	2.26	9.62	<.0001
Median Household Income by ZIP Quartile 4	76.10	2.10	36.19	<.0001	48.11	2.29	21.00	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
Group 3: Post-Acute Admissions in the Past 14 Days								
Post-Acute Admissions	-87.52	1.79	-48.84	<.0001	-136.28	1.73	-78.90	<.0001
Group 4: HCC Quartiles								
HCC Score Quartile 2	-29.12	2.17	-13.45	<.0001	-24.86	1.97	-12.60	<.0001
HCC Score Quartile 3	-64.47	2.23	-28.97	<.0001	-61.53	2.04	-30.20	<.0001
HCC Score Quartile 4	-99.27	2.32	-42.85	<.0001	-98.06	2.14	-45.83	<.0001
Group 5: Poor Control of Conditions								
Cardiac Dysrhythmia: Poorly Controlled	-82.63	4.19	-19.71	<.0001	-110.48	3.84	-28.77	<.0001
Diabetes: Poorly Controlled	-157.72	2.63	-60.06	<.0001	-141.76	2.43	-58.36	<.0001
Peripheral Vascular Disease: Poorly Controlled	-138.34	7.04	-19.65	<.0001	-146.12	6.42	-22.76	<.0001
Pulmonary Disorder: Poorly Controlled	-151.64	11.72	-12.93	<.0001	-163.42	10.64	-15.36	<.0001
Alzheimer's: Poorly Controlled	-51.83	6.42	-8.07	<.0001	-55.92	5.85	-9.55	<.0001
Dementia: Poorly Controlled	-25.69	4.81	-5.34	<.0001	-70.21	4.41	-15.91	<.0001
Heart Disease: Poorly Controlled	-104.41	8.79	-11.87	<.0001	-81.66	8.02	-10.18	<.0001
Heart Failure: Poorly Controlled	-64.32	3.17	-20.27	<.0001	-99.15	2.92	-33.99	<.0001
Hypertension: Poorly Controlled	-56.25	2.20	-25.62	<.0001	-43.07	2.12	-20.34	<.0001
Musculoskeletal Connective Tissue: Poorly Controlled	16.31	2.63	6.21	<.0001	69.59	2.51	27.69	<.0001
Neurological Disorder Not Alzheimer's: Poorly Controlled	38.56	5.32	7.25	<.0001	36.59	4.85	7.54	<.0001
Psychiatric Disorder: Poorly Controlled	3.46	7.87	0.44	0.66	-21.64	7.31	-2.96	0.00
Stroke: Poorly Controlled	-32.12	4.31	-7.46	<.0001	-39.94	3.93	-10.15	<.0001
Cancer: Poorly Controlled	8.40	7.11	1.18	0.24	-14.45	6.47	-2.23	0.03
Depression: Poorly Controlled	30.12	4.70	6.41	<.0001	-5.28	4.36	-1.21	0.23
HHRGs {Reference Category: 1C1F1S1}								
1C1F1S2	392.18	15.72	24.94	<.0001	344.82	14.26	24.18	<.0001
1C1F1S3	537.59	10.78	49.85	<.0001	475.78	9.79	48.60	<.0001
1C1F1S4	668.27	18.16	36.80	<.0001	607.95	16.47	36.92	<.0001
1C1F1S5	742.11	12.46	59.56	<.0001	674.35	11.32	59.58	<.0001
1C1F2S1	192.86	8.42	22.89	<.0001	220.49	7.67	28.76	<.0001
1C1F2S2	567.46	12.73	44.58	<.0001	564.14	11.57	48.78	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
1C1F2S3	705.81	8.93	79.03	<.0001	690.29	8.13	84.86	<.0001
1C1F2S4	836.04	13.27	63.01	<.0001	807.66	12.05	67.02	<.0001
1C1F2S5	908.36	9.49	95.77	<.0001	877.64	8.65	101.51	<.0001
1C1F3S1	371.77	16.70	22.26	<.0001	389.25	15.16	25.67	<.0001
1C1F3S2	724.58	34.29	21.13	<.0001	720.47	31.09	23.18	<.0001
1C1F3S3	835.71	19.97	41.85	<.0001	827.98	18.12	45.69	<.0001
1C1F3S4	920.29	34.48	26.69	<.0001	912.43	31.26	29.19	<.0001
1C1F3S5	1020.16	20.53	49.69	<.0001	1016.27	18.64	54.51	<.0001
1C2F1S1	317.57	6.94	45.74	<.0001	329.66	6.30	52.32	<.0001
1C2F1S2	500.83	15.03	33.32	<.0001	479.48	13.63	35.19	<.0001
1C2F1S3	628.88	10.33	60.86	<.0001	593.09	9.38	63.22	<.0001
1C2F1S4	735.64	17.43	42.21	<.0001	701.91	15.81	44.41	<.0001
1C2F1S5	815.36	11.72	69.57	<.0001	781.97	10.65	73.42	<.0001
1C2F2S1	513.33	7.03	72.98	<.0001	560.39	6.43	87.15	<.0001
1C2F2S2	708.72	10.57	67.08	<.0001	722.83	9.61	75.21	<.0001
1C2F2S3	808.78	7.90	102.36	<.0001	817.72	7.21	113.37	<.0001
1C2F2S4	914.36	10.86	84.18	<.0001	924.03	9.88	93.49	<.0001
1C2F2S5	970.07	8.20	118.28	<.0001	970.63	7.50	129.49	<.0001
1C2F3S1	726.75	10.26	70.85	<.0001	760.13	9.37	81.12	<.0001
1C2F3S2	846.14	22.52	37.57	<.0001	867.67	20.44	42.45	<.0001
1C2F3S3	935.55	13.68	68.41	<.0001	959.82	12.45	77.09	<.0001
1C2F3S4	1027.33	21.89	46.93	<.0001	1050.07	19.86	52.86	<.0001
1C2F3S5	1060.73	14.03	75.58	<.0001	1074.72	12.77	84.17	<.0001
1C3F1S1	570.28	6.76	84.38	<.0001	584.35	6.15	95.00	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
1C3F1S2	576.91	18.95	30.45	<.0001	589.69	17.18	34.33	<.0001
1C3F1S3	680.91	12.47	54.60	<.0001	682.22	11.32	60.26	<.0001
1C3F1S4	780.52	21.61	36.12	<.0001	794.75	19.60	40.55	<.0001
1C3F1S5	843.21	14.32	58.88	<.0001	854.60	13.01	65.68	<.0001
1C3F2S1	827.61	6.81	121.59	<.0001	879.98	6.25	140.75	<.0001
1C3F2S2	834.33	11.21	74.45	<.0001	873.24	10.20	85.57	<.0001
1C3F2S3	917.30	8.25	111.17	<.0001	956.95	7.55	126.77	<.0001
1C3F2S4	1009.71	11.49	87.86	<.0001	1035.27	10.47	98.88	<.0001
1C3F2S5	1062.44	8.55	124.33	<.0001	1087.62	7.82	139.01	<.0001
1C3F3S1	1077.41	8.25	130.66	<.0001	1127.71	7.59	148.51	<.0001
1C3F3S2	1002.81	18.41	54.46	<.0001	1059.80	16.74	63.30	<.0001
1C3F3S3	1049.65	11.78	89.12	<.0001	1104.33	10.76	102.62	<.0001
1C3F3S4	1118.61	18.81	59.47	<.0001	1171.17	17.09	68.52	<.0001
1C3F3S5	1159.43	12.23	94.81	<.0001	1204.18	11.17	107.80	<.0001
2C1F1S1	738.90	20.48	36.08	<.0001	698.29	18.63	37.48	<.0001
2C1F1S2	802.17	24.00	33.42	<.0001	738.69	21.83	33.84	<.0001
2C1F1S3	908.24	31.80	28.57	<.0001	803.83	28.86	27.85	<.0001
2C1F2S1	929.66	14.15	65.71	<.0001	926.72	12.89	71.90	<.0001
2C1F2S2	964.14	15.98	60.33	<.0001	934.59	14.54	64.28	<.0001
2C1F2S3	979.72	19.78	49.52	<.0001	925.77	17.97	51.53	<.0001
2C1F3S1	999.55	22.94	43.57	<.0001	1055.55	20.84	50.65	<.0001
2C1F3S2	1047.26	24.55	42.66	<.0001	1035.97	22.28	46.49	<.0001
2C1F3S3	1010.67	29.34	34.44	<.0001	987.55	26.62	37.10	<.0001
2C2F1S1	992.75	12.19	81.46	<.0001	980.38	11.15	87.91	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
2C2F1S2	1059.49	14.29	74.15	<.0001	1029.55	13.01	79.12	<.0001
2C2F1S3	1097.43	18.69	58.72	<.0001	1019.02	16.99	59.97	<.0001
2C2F2S1	1195.87	8.79	136.04	<.0001	1209.27	8.07	149.79	<.0001
2C2F2S2	1267.18	9.63	131.58	<.0001	1237.99	8.81	140.45	<.0001
2C2F2S3	1287.80	11.30	113.99	<.0001	1240.28	10.30	120.37	<.0001
2C2F3S1	1261.98	12.72	99.21	<.0001	1267.63	11.59	109.37	<.0001
2C2F3S2	1332.88	13.81	96.51	<.0001	1313.87	12.57	104.49	<.0001
2C2F3S3	1341.06	16.37	81.93	<.0001	1288.14	14.88	86.55	<.0001
2C3F1S1	1320.44	16.53	79.89	<.0001	1343.18	15.06	89.22	<.0001
2C3F1S2	1299.73	19.82	65.57	<.0001	1291.09	18.01	71.70	<.0001
2C3F1S3	1342.06	26.54	50.56	<.0001	1310.91	24.09	54.42	<.0001
2C3F2S1	1583.19	9.54	165.98	<.0001	1613.07	8.76	184.09	<.0001
2C3F2S2	1598.64	10.69	149.55	<.0001	1589.77	9.77	162.74	<.0001
2C3F2S3	1621.58	12.52	129.52	<.0001	1585.27	11.42	138.84	<.0001
2C3F3S1	1622.67	12.00	135.22	<.0001	1674.56	10.96	152.80	<.0001
2C3F3S2	1696.08	13.06	129.89	<.0001	1704.11	11.90	143.18	<.0001
2C3F3S3	1682.36	15.05	111.78	<.0001	1667.80	13.70	121.76	<.0001
3C1F1S1	164.36	8.12	20.25	<.0001	250.72	7.46	33.62	<.0001
3C1F1S2	219.45	36.21	6.06	<.0001	262.60	32.82	8.00	<.0001
3C1F1S3	394.69	20.94	18.85	<.0001	434.23	19.01	22.84	<.0001
3C1F1S4	430.03	34.22	12.57	<.0001	509.24	31.06	16.40	<.0001
3C1F1S5	492.72	20.79	23.70	<.0001	579.44	18.95	30.58	<.0001
3C1F2S1	473.03	7.70	61.39	<.0001	550.13	7.10	77.51	<.0001
3C1F2S2	489.53	23.70	20.66	<.0001	543.11	21.49	25.27	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C1F2S3	612.73	13.92	44.01	<.0001	654.46	12.66	51.71	<.0001
3C1F2S4	701.45	22.02	31.86	<.0001	790.81	19.99	39.57	<.0001
3C1F2S5	739.06	13.64	54.20	<.0001	820.92	12.43	66.03	<.0001
3C1F3S1	773.61	11.18	69.21	<.0001	823.23	10.32	79.75	<.0001
3C1F3S2	811.38	46.68	17.38	<.0001	813.46	42.31	19.23	<.0001
3C1F3S3	859.00	25.50	33.69	<.0001	889.99	23.14	38.45	<.0001
3C1F3S4	850.67	43.92	19.37	<.0001	927.76	39.83	23.29	<.0001
3C1F3S5	965.40	24.36	39.63	<.0001	1033.62	22.18	46.60	<.0001
3C2F1S1	196.60	7.82	25.15	<.0001	273.29	7.17	38.14	<.0001
3C2F1S2	193.32	36.25	5.33	<.0001	229.79	32.86	6.99	<.0001
3C2F1S3	342.37	21.87	15.66	<.0001	376.50	19.83	18.98	<.0001
3C2F1S4	392.79	37.89	10.37	<.0001	469.78	34.36	13.67	<.0001
3C2F1S5	525.18	22.49	23.35	<.0001	591.45	20.44	28.93	<.0001
3C2F2S1	457.15	7.34	62.27	<.0001	546.02	6.77	80.68	<.0001
3C2F2S2	509.86	21.56	23.65	<.0001	551.39	19.56	28.19	<.0001
3C2F2S3	592.69	13.18	44.98	<.0001	635.11	11.99	52.98	<.0001
3C2F2S4	611.85	21.21	28.85	<.0001	685.67	19.25	35.62	<.0001
3C2F2S5	694.80	13.00	53.45	<.0001	777.54	11.85	65.62	<.0001
3C2F3S1	799.94	9.65	82.93	<.0001	863.50	8.91	96.93	<.0001
3C2F3S2	907.78	38.14	23.80	<.0001	922.63	34.58	26.68	<.0001
3C2F3S3	904.93	21.26	42.57	<.0001	957.63	19.31	49.59	<.0001
3C2F3S4	918.27	35.45	25.90	<.0001	994.99	32.16	30.94	<.0001
3C2F3S5	934.37	21.03	44.42	<.0001	1022.20	19.14	53.41	<.0001
3C3F1S1	476.18	8.47	56.20	<.0001	527.54	7.74	68.14	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C3F1S2	632.38	49.09	12.88	<.0001	661.55	44.48	14.87	<.0001
3C3F1S3	660.25	29.20	22.61	<.0001	680.48	26.47	25.71	<.0001
3C3F1S4	752.57	54.05	13.92	<.0001	818.28	48.98	16.71	<.0001
3C3F1S5	751.82	33.12	22.70	<.0001	818.80	30.04	27.25	<.0001
3C3F2S1	788.06	7.57	104.14	<.0001	885.55	6.99	126.65	<.0001
3C3F2S2	873.73	24.55	35.59	<.0001	923.35	22.27	41.46	<.0001
3C3F2S3	928.95	14.97	62.07	<.0001	983.94	13.61	72.29	<.0001
3C3F2S4	1055.14	24.33	43.37	<.0001	1123.92	22.08	50.91	<.0001
3C3F2S5	978.30	15.27	64.06	<.0001	1075.53	13.91	77.31	<.0001
3C3F3S1	1168.89	8.55	136.68	<.0001	1250.93	7.92	157.89	<.0001
3C3F3S2	1163.87	30.45	38.23	<.0001	1229.25	27.62	44.50	<.0001
3C3F3S3	1246.24	18.44	67.57	<.0001	1313.42	16.78	78.29	<.0001
3C3F3S4	1322.54	31.96	41.39	<.0001	1401.46	28.99	48.34	<.0001
3C3F3S5	1242.97	18.59	66.84	<.0001	1349.50	16.96	79.58	<.0001
4C1F1S1	585.28	29.53	19.82	<.0001	665.67	26.87	24.77	<.0001
4C1F1S2	679.21	32.07	21.18	<.0001	708.31	29.16	24.29	<.0001
4C1F1S3	752.58	47.27	15.92	<.0001	758.38	42.92	17.67	<.0001
4C1F2S1	796.20	18.78	42.40	<.0001	874.11	17.10	51.11	<.0001
4C1F2S2	840.87	19.87	42.31	<.0001	861.69	18.09	47.63	<.0001
4C1F2S3	917.28	28.12	32.63	<.0001	913.17	25.54	35.76	<.0001
4C1F3S1	1092.88	56.26	19.43	<.0001	1180.42	51.01	23.14	<.0001
4C1F3S2	1315.27	58.83	22.36	<.0001	1338.19	53.32	25.10	<.0001
4C1F3S3	1164.34	79.88	14.58	<.0001	1184.44	72.40	16.36	<.0001
4C2F1S1	935.62	21.45	43.62	<.0001	1079.87	19.60	55.09	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
4C2F1S2	989.70	25.58	38.69	<.0001	1072.13	23.28	46.06	<.0001
4C2F1S3	1062.84	37.50	28.34	<.0001	1093.29	34.05	32.10	<.0001
4C2F2S1	1087.76	12.25	88.77	<.0001	1236.46	11.24	110.05	<.0001
4C2F2S2	1159.59	13.74	84.37	<.0001	1214.65	12.55	96.80	<.0001
4C2F2S3	1281.35	18.62	68.82	<.0001	1269.42	16.97	74.80	<.0001
4C2F3S1	1550.14	35.00	44.29	<.0001	1641.20	31.76	51.68	<.0001
4C2F3S2	1620.35	38.85	41.71	<.0001	1685.27	35.25	47.81	<.0001
4C2F3S3	1620.29	50.31	32.21	<.0001	1624.75	45.59	35.63	<.0001
4C3F1S1	1365.69	24.50	55.75	<.0001	1506.92	22.29	67.59	<.0001
4C3F1S2	1354.19	29.07	46.58	<.0001	1450.37	26.43	54.89	<.0001
4C3F1S3	1531.32	41.03	37.33	<.0001	1531.67	37.27	41.09	<.0001
4C3F2S1	1608.57	11.81	136.22	<.0001	1749.91	10.84	161.49	<.0001
4C3F2S2	1686.68	13.28	127.02	<.0001	1734.69	12.13	142.98	<.0001
4C3F2S3	1790.04	17.40	102.85	<.0001	1791.32	15.89	112.71	<.0001
4C3F3S1	1976.08	23.43	84.35	<.0001	2097.15	21.30	98.47	<.0001
4C3F3S2	2037.21	25.43	80.12	<.0001	2109.10	23.10	91.31	<.0001
4C3F3S3	2087.87	34.04	61.33	<.0001	2102.34	30.89	68.05	<.0001
5C1F1S1	1386.77	16.47	84.21	<.0001	1258.13	15.01	83.79	<.0001
5C1F2S1	1544.51	10.81	142.84	<.0001	1445.98	9.88	146.36	<.0001
5C1F3S1	1772.16	12.88	137.58	<.0001	1690.89	11.73	144.11	<.0001
5C2F1S1	1497.72	14.18	105.66	<.0001	1394.41	12.93	107.84	<.0001
5C2F2S1	1706.00	9.04	188.62	<.0001	1619.45	8.29	195.45	<.0001
5C2F3S1	1951.48	9.33	209.09	<.0001	1890.08	8.55	221.17	<.0001
5C3F1S1	1827.77	16.51	110.68	<.0001	1773.73	15.02	118.08	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$869.71)				Adjusted Payment Minus Cost (Mean \$869.70)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
5C3F2S1	2090.76	9.09	230.06	<.0001	2033.81	8.33	244.11	<.0001
5C3F3S1	2241.52	8.37	267.70	<.0001	2213.35	7.70	287.30	<.0001
This color shading indicates statistically not significant at the 5% level.								

Table 17. Regression Model of Wage Index-Adjusted Margin on HHRG and Groups 1-6 Variables

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
N	1,935,897				1,935,897			
R-Squared	0.182				0.342			
Root MSE	1,062.21				953.89			
Constant	-57.29	7.41	-7.73	<.0001	N/A	N/A	N/A	N/A
Group 1: Variables Already in the Payment System								
Intravenous Therapy At Home	-65.15	5.97	-10.90	<.0001	-97.61	5.48	-17.81	<.0001
Parenteral Nutrition	-147.50	23.37	-6.31	<.0001	-178.53	21.04	-8.48	<.0001
Enteral Nutrition	-58.81	7.55	-7.79	<.0001	-60.85	6.80	-8.94	<.0001
Unhealed Stage 2 Pressure Ulcer	-59.93	5.59	-10.72	<.0001	-51.48	5.04	-10.22	<.0001
Traumatic Wounds	-148.62	13.43	-11.07	<.0001	-150.76	12.09	-12.47	<.0001
Ulcer	-208.81	4.47	-46.74	<.0001	-247.01	4.05	-61.04	<.0001
Dyspneic: When At Rest	-66.69	5.08	-13.12	<.0001	-82.56	4.66	-17.72	<.0001
Dyspneic: With Moderate Exertion	-80.62	1.87	-43.21	<.0001	-48.98	1.78	-27.53	<.0001
Dyspneic: With Minimal Exertion	-86.36	2.55	-33.90	<.0001	-81.10	2.45	-33.13	<.0001
Bathing: Able To Bathe With Use Of Devices	8.11	4.43	1.83	0.07	27.13	4.05	6.70	<.0001
Bathing: Needs Assistance	-25.31	4.82	-5.25	<.0001	-30.53	4.39	-6.96	<.0001
Bathing: Needs Assistance Throughout	-82.37	4.98	-16.53	<.0001	-124.96	4.55	-27.47	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-25.36	5.52	-4.59	<.0001	-111.69	5.06	-22.08	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-105.34	5.52	-19.07	<.0001	-186.51	5.06	-36.83	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-145.99	6.74	-21.65	<.0001	-201.05	6.14	-32.74	<.0001
Toilet Transferring: Totally Dependent	-29.80	5.38	-5.54	<.0001	-1.25	4.89	-.26	.80
Ambulation: Requires Assistance	161.23	2.04	79.12	<.0001	125.23	1.91	65.55	<.0001
Transferring: Bedfast, Able To Position	-55.66	10.38	-5.36	<.0001	-51.35	9.36	-5.49	<.0001
Bowel Incontinence Rare	-22.95	3.27	-7.01	<.0001	-21.78	3.06	-7.12	<.0001
Bowel Incontinence Frequent	-0.90	4.54	-0.20	0.84	32.99	4.22	7.83	<.0001
Ostomy	73.22	6.12	11.96	<.0001	50.84	5.52	9.21	<.0001
Group 2: Median HH Income by ZIP								
Median Household Income by ZIP Quartile 2	31.40	2.26	13.88	<.0001	6.86	2.20	3.11	0.00
Median Household Income by ZIP Quartile 3	49.11	2.21	22.19	<.0001	21.20	2.22	9.56	<.0001
Median Household Income by ZIP Quartile 4	93.88	2.08	45.18	<.0001	48.42	2.25	21.56	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
Group 3: Post-Acute Admissions in the Past 14 Days								
Post-Acute Admissions	-80.83	1.76	-45.91	<.0001	-129.54	1.68	-77.13	<.0001
Group 4: HCC Quartiles								
HCC Score Quartile 2	-21.65	2.12	-10.22	<.0001	-20.25	1.92	-10.57	<.0001
HCC Score Quartile 3	-51.61	2.19	-23.53	<.0001	-50.45	1.99	-25.29	<.0001
HCC Score Quartile 4	-82.14	2.31	-35.57	<.0001	-79.65	2.12	-37.64	<.0001
Group 5: Poor Control of Conditions								
Cardiac Dysrhythmia: Poorly Controlled	-79.86	4.15	-19.24	<.0001	-109.44	3.77	-29.02	<.0001
Diabetes: Poorly Controlled	-127.19	2.63	-48.37	<.0001	-111.90	2.41	-46.39	<.0001
Peripheral Vascular Disease: Poorly Controlled	-123.51	7.06	-17.49	<.0001	-126.06	6.39	-19.73	<.0001
Pulmonary Disorder: Poorly Controlled	-140.59	11.44	-12.29	<.0001	-153.95	10.30	-14.94	<.0001
Alzheimer's: Poorly Controlled	-42.35	6.42	-6.59	<.0001	-46.23	5.82	-7.95	<.0001
Dementia: Poorly Controlled	1.71	4.77	0.36	0.72	-45.42	4.34	-10.46	<.0001
Heart Disease: Poorly Controlled	-89.58	8.61	-10.41	<.0001	-72.29	7.79	-9.28	<.0001
Heart Failure: Poorly Controlled	-67.90	3.18	-21.38	<.0001	-95.06	2.89	-32.86	<.0001
Hypertension: Poorly Controlled	-61.22	2.18	-28.06	<.0001	-49.99	2.09	-23.94	<.0001
Musculoskeletal Connective Tissue: Poorly Controlled	15.60	2.59	6.02	<.0001	62.69	2.46	25.48	<.0001
Neurological Disorder Not Alzheimer's: Poorly Controlled	37.55	5.29	7.10	<.0001	33.98	4.79	7.10	<.0001
Psychiatric Disorder: Poorly Controlled	3.79	7.86	0.48	0.63	-32.61	7.24	-4.51	<.0001
Stroke: Poorly Controlled	-35.83	4.24	-8.46	<.0001	-47.61	3.84	-12.39	<.0001
Cancer: Poorly Controlled	9.08	6.93	1.31	0.19	-2.69	6.26	-0.43	0.67
Depression: Poorly Controlled	26.17	4.71	5.56	<.0001	-13.84	4.33	-3.19	0.00
Group 6: Additional Condition Variables								
Open Lesion	-154.87	2.21	-69.94	<.0001	-160.20	2.06	-77.75	<.0001
Speech Impairment	-105.19	1.83	-57.52	<.0001	-76.68	1.69	-45.34	<.0001
Hearing Partially Or Severely Impaired	-15.46	1.65	-9.39	<.0001	-7.09	1.52	-4.66	<.0001
On Oxygen	-61.03	2.80	-21.84	<.0001	-68.76	2.55	-26.95	<.0001
Assistance Given: ADLs	118.29	2.55	46.38	<.0001	133.85	2.37	56.43	<.0001
Assistance Given: IADLs	69.14	3.21	21.51	<.0001	45.01	2.98	15.10	<.0001
Assistance Given: Medication Administration	119.64	2.59	46.13	<.0001	123.93	2.48	49.92	<.0001
Assistance Given: Procedure or Treatments	146.33	2.42	60.53	<.0001	193.03	2.28	84.71	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
Temporary Health Risk Overall Status	-141.95	2.16	-65.71	<.0001	-111.48	2.05	-54.37	<.0001
Fragile Serious Overall Status	-160.18	2.51	-63.71	<.0001	-168.94	2.42	-69.78	<.0001
Urinary Incontinence or Catheter	-43.13	1.71	-25.19	<.0001	-47.01	1.61	-29.22	<.0001
Urinary Tract Infection	-13.69	2.81	-4.88	<.0001	-33.81	2.54	-13.32	<.0001
HHRGs {Reference Category: 1C1F1S1}								
1C1F1S2	343.69	15.00	22.91	<.0001	303.18	13.50	22.45	<.0001
1C1F1S3	494.03	10.30	47.97	<.0001	440.37	9.28	47.45	<.0001
1C1F1S4	622.64	17.31	35.97	<.0001	571.64	15.58	36.69	<.0001
1C1F1S5	702.64	11.91	59.00	<.0001	641.13	10.74	59.70	<.0001
1C1F2S1	204.72	8.08	25.33	<.0001	226.46	7.30	31.02	<.0001
1C1F2S2	538.53	12.13	44.38	<.0001	532.40	10.94	48.64	<.0001
1C1F2S3	678.78	8.54	79.45	<.0001	662.51	7.72	85.77	<.0001
1C1F2S4	807.97	12.65	63.86	<.0001	779.56	11.41	68.35	<.0001
1C1F2S5	882.51	9.07	97.32	<.0001	849.25	8.20	103.51	<.0001
1C1F3S1	397.49	16.03	24.80	<.0001	413.82	14.45	28.65	<.0001
1C1F3S2	732.51	32.73	22.38	<.0001	723.71	29.46	24.57	<.0001
1C1F3S3	832.66	19.06	43.69	<.0001	821.65	17.17	47.86	<.0001
1C1F3S4	924.00	32.84	28.14	<.0001	914.04	29.54	30.94	<.0001
1C1F3S5	1018.91	19.55	52.12	<.0001	1012.02	17.62	57.42	<.0001
1C2F1S1	331.73	6.66	49.82	<.0001	342.26	6.00	57.06	<.0001
1C2F1S2	480.27	14.35	33.48	<.0001	464.16	12.91	35.95	<.0001
1C2F1S3	612.38	9.87	62.06	<.0001	580.87	8.89	65.32	<.0001
1C2F1S4	724.55	16.63	43.56	<.0001	693.25	14.97	46.31	<.0001
1C2F1S5	802.99	11.21	71.66	<.0001	771.90	10.11	76.36	<.0001
1C2F2S1	544.97	6.77	80.53	<.0001	584.74	6.14	95.21	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
1C2F2S2	715.50	10.09	70.89	<.0001	723.41	9.11	79.37	<.0001
1C2F2S3	816.52	7.58	107.78	<.0001	818.71	6.87	119.25	<.0001
1C2F2S4	922.57	10.38	88.89	<.0001	925.81	9.38	98.75	<.0001
1C2F2S5	978.21	7.86	124.47	<.0001	972.23	7.13	136.34	<.0001
1C2F3S1	772.54	9.87	78.28	<.0001	806.85	8.95	90.13	<.0001
1C2F3S2	878.31	21.47	40.91	<.0001	892.25	19.34	46.13	<.0001
1C2F3S3	967.66	13.06	74.07	<.0001	982.35	11.81	83.19	<.0001
1C2F3S4	1059.88	20.91	50.69	<.0001	1076.34	18.83	57.15	<.0001
1C2F3S5	1091.42	13.42	81.31	<.0001	1101.53	12.12	90.86	<.0001
1C3F1S1	624.59	6.51	96.01	<.0001	640.80	5.88	108.99	<.0001
1C3F1S2	604.47	18.13	33.34	<.0001	622.43	16.32	38.14	<.0001
1C3F1S3	709.13	11.93	59.42	<.0001	715.56	10.76	66.53	<.0001
1C3F1S4	805.59	20.64	39.03	<.0001	825.68	18.58	44.44	<.0001
1C3F1S5	868.88	13.69	63.45	<.0001	881.64	12.35	71.39	<.0001
1C3F2S1	898.07	6.57	136.68	<.0001	941.06	5.99	157.05	<.0001
1C3F2S2	891.61	10.72	83.14	<.0001	919.71	9.69	94.87	<.0001
1C3F2S3	970.87	7.92	122.57	<.0001	1000.28	7.19	139.04	<.0001
1C3F2S4	1062.09	10.99	96.61	<.0001	1076.34	9.94	108.24	<.0001
1C3F2S5	1115.05	8.20	136.01	<.0001	1130.24	7.45	151.66	<.0001
1C3F3S1	1161.17	7.97	145.62	<.0001	1208.10	7.29	165.65	<.0001
1C3F3S2	1093.62	17.67	61.90	<.0001	1131.97	15.95	70.98	<.0001
1C3F3S3	1135.86	11.30	100.54	<.0001	1177.18	10.25	114.87	<.0001
1C3F3S4	1196.99	18.00	66.51	<.0001	1240.42	16.23	76.41	<.0001
1C3F3S5	1240.23	11.73	105.76	<.0001	1274.35	10.64	119.80	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
2C1F1S1	699.23	19.59	35.69	<.0001	652.71	17.70	36.89	<.0001
2C1F1S2	758.24	22.94	33.05	<.0001	702.47	20.71	33.92	<.0001
2C1F1S3	878.88	30.37	28.94	<.0001	777.99	27.36	28.43	<.0001
2C1F2S1	905.96	13.50	67.09	<.0001	891.25	12.21	72.97	<.0001
2C1F2S2	936.95	15.26	61.40	<.0001	907.10	13.78	65.83	<.0001
2C1F2S3	959.82	18.86	50.90	<.0001	904.57	17.00	53.21	<.0001
2C1F3S1	1002.68	21.91	45.77	<.0001	1038.06	19.76	52.55	<.0001
2C1F3S2	1038.08	23.40	44.36	<.0001	1028.66	21.09	48.78	<.0001
2C1F3S3	1001.20	28.04	35.71	<.0001	982.95	25.25	38.93	<.0001
2C2F1S1	973.64	11.65	83.61	<.0001	959.70	10.58	90.70	<.0001
2C2F1S2	1042.12	13.67	76.24	<.0001	1017.77	12.36	82.35	<.0001
2C2F1S3	1080.69	17.89	60.40	<.0001	1006.55	16.15	62.33	<.0001
2C2F2S1	1195.66	8.42	142.05	<.0001	1202.04	7.68	156.60	<.0001
2C2F2S2	1264.04	9.22	137.12	<.0001	1236.45	8.38	147.59	<.0001
2C2F2S3	1282.77	10.80	118.77	<.0001	1238.28	9.78	126.62	<.0001
2C2F3S1	1292.91	12.17	106.23	<.0001	1294.94	11.01	117.62	<.0001
2C2F3S2	1351.01	13.21	102.28	<.0001	1332.71	11.94	111.62	<.0001
2C2F3S3	1365.38	15.63	87.36	<.0001	1319.48	14.11	93.53	<.0001
2C3F1S1	1340.49	15.86	84.53	<.0001	1361.94	14.34	94.95	<.0001
2C3F1S2	1321.41	18.97	69.65	<.0001	1319.82	17.11	77.13	<.0001
2C3F1S3	1362.28	25.48	53.47	<.0001	1336.86	22.95	58.25	<.0001
2C3F2S1	1619.74	9.14	177.22	<.0001	1645.20	8.34	197.29	<.0001
2C3F2S2	1635.60	10.24	159.79	<.0001	1625.65	9.29	175.02	<.0001
2C3F2S3	1654.08	11.97	138.16	<.0001	1618.77	10.84	149.31	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
2C3F3S1	1694.88	11.51	147.30	<.0001	1741.48	10.43	166.89	<.0001
2C3F3S2	1766.25	12.52	141.06	<.0001	1772.83	11.33	156.45	<.0001
2C3F3S3	1755.71	14.40	121.92	<.0001	1741.44	13.01	133.85	<.0001
3C1F1S1	157.77	8.33	18.94	<.0001	258.30	7.59	34.04	<.0001
3C1F1S2	256.94	37.08	6.93	<.0001	311.87	33.36	9.35	<.0001
3C1F1S3	411.06	21.31	19.29	<.0001	460.21	19.20	23.97	<.0001
3C1F1S4	437.66	35.28	12.40	<.0001	541.84	31.79	17.04	<.0001
3C1F1S5	507.65	21.02	24.15	<.0001	610.33	19.02	32.09	<.0001
3C1F2S1	476.81	7.75	61.56	<.0001	571.89	7.08	80.82	<.0001
3C1F2S2	535.11	23.89	22.39	<.0001	599.19	21.51	27.86	<.0001
3C1F2S3	634.83	13.97	45.44	<.0001	685.79	12.60	54.41	<.0001
3C1F2S4	725.03	22.16	32.72	<.0001	820.41	19.97	41.09	<.0001
3C1F2S5	760.57	13.63	55.80	<.0001	851.34	12.34	69.01	<.0001
3C1F3S1	771.80	11.72	65.88	<.0001	861.44	10.73	80.28	<.0001
3C1F3S2	816.37	48.19	16.94	<.0001	848.62	43.35	19.58	<.0001
3C1F3S3	886.04	26.03	34.04	<.0001	940.60	23.45	40.11	<.0001
3C1F3S4	854.59	44.35	19.27	<.0001	949.70	39.92	23.79	<.0001
3C1F3S5	986.63	24.73	39.89	<.0001	1076.20	22.36	48.14	<.0001
3C2F1S1	225.69	8.04	28.08	<.0001	311.81	7.30	42.69	<.0001
3C2F1S2	247.62	37.55	6.59	<.0001	289.54	33.78	8.57	<.0001
3C2F1S3	364.63	22.68	16.07	<.0001	415.46	20.42	20.34	<.0001
3C2F1S4	431.66	38.81	11.12	<.0001	529.00	34.93	15.14	<.0001
3C2F1S5	570.38	23.14	24.65	<.0001	641.76	20.88	30.73	<.0001
3C2F2S1	517.68	7.36	70.31	<.0001	618.15	6.73	91.84	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
3C2F2S2	553.67	22.07	25.09	<.0001	611.62	19.87	30.78	<.0001
3C2F2S3	635.82	13.38	47.52	<.0001	689.00	12.08	57.05	<.0001
3C2F2S4	665.83	21.71	30.66	<.0001	749.93	19.56	38.34	<.0001
3C2F2S5	744.14	13.08	56.90	<.0001	834.57	11.83	70.54	<.0001
3C2F3S1	834.48	10.07	82.90	<.0001	929.19	9.21	100.87	<.0001
3C2F3S2	952.46	38.84	24.52	<.0001	988.57	34.95	28.28	<.0001
3C2F3S3	931.35	21.90	42.52	<.0001	1004.09	19.74	50.86	<.0001
3C2F3S4	952.24	36.65	25.98	<.0001	1053.00	32.99	31.92	<.0001
3C2F3S5	981.89	21.48	45.71	<.0001	1082.65	19.40	55.81	<.0001
3C3F1S1	566.86	8.78	64.53	<.0001	625.10	7.96	78.49	<.0001
3C3F1S2	717.76	51.01	14.07	<.0001	758.02	45.87	16.53	<.0001
3C3F1S3	714.36	30.06	23.77	<.0001	757.62	27.05	28.01	<.0001
3C3F1S4	825.81	56.04	14.74	<.0001	904.07	50.41	17.94	<.0001
3C3F1S5	827.96	34.65	23.89	<.0001	914.20	31.20	29.30	<.0001
3C3F2S1	907.15	7.63	118.83	<.0001	1004.45	6.99	143.71	<.0001
3C3F2S2	966.21	25.19	38.36	<.0001	1022.28	22.68	45.07	<.0001
3C3F2S3	1028.13	15.18	67.75	<.0001	1090.85	13.69	79.65	<.0001
3C3F2S4	1142.62	25.00	45.70	<.0001	1218.66	22.52	54.12	<.0001
3C3F2S5	1062.20	15.63	67.95	<.0001	1166.51	14.12	82.59	<.0001
3C3F3S1	1265.45	8.75	144.67	<.0001	1361.71	8.03	169.60	<.0001
3C3F3S2	1250.95	31.06	40.27	<.0001	1326.71	27.97	47.43	<.0001
3C3F3S3	1343.08	18.90	71.05	<.0001	1421.74	17.06	83.34	<.0001
3C3F3S4	1411.96	32.67	43.23	<.0001	1500.96	29.42	51.02	<.0001
3C3F3S5	1336.67	19.01	70.32	<.0001	1456.13	17.20	84.64	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T- Value	P- Value	Coefficient	St. Error	T- Value	P- Value
4C1F1S1	566.57	30.07	18.84	<.0001	664.09	27.17	24.45	<.0001
4C1F1S2	643.86	32.97	19.53	<.0001	697.03	29.75	23.43	<.0001
4C1F1S3	700.46	47.63	14.71	<.0001	736.17	42.93	17.15	<.0001
4C1F2S1	820.53	18.84	43.56	<.0001	900.30	17.03	52.87	<.0001
4C1F2S2	825.74	19.88	41.53	<.0001	867.55	17.97	48.28	<.0001
4C1F2S3	898.46	28.10	31.97	<.0001	909.94	25.33	35.92	<.0001
4C1F3S1	1137.44	57.53	19.77	<.0001	1223.73	51.78	23.63	<.0001
4C1F3S2	1350.53	59.89	22.55	<.0001	1387.53	53.87	25.76	<.0001
4C1F3S3	1172.64	78.77	14.89	<.0001	1217.39	70.86	17.18	<.0001
4C2F1S1	962.72	21.99	43.77	<.0001	1114.36	19.96	55.84	<.0001
4C2F1S2	992.07	26.57	37.33	<.0001	1087.35	24.00	45.32	<.0001
4C2F1S3	1039.80	39.00	26.66	<.0001	1090.58	35.16	31.02	<.0001
4C2F2S1	1121.97	12.35	90.83	<.0001	1277.50	11.24	113.68	<.0001
4C2F2S2	1172.59	13.94	84.10	<.0001	1246.80	12.63	98.69	<.0001
4C2F2S3	1294.26	18.99	68.14	<.0001	1301.76	17.17	75.83	<.0001
4C2F3S1	1593.58	35.76	44.57	<.0001	1704.97	32.20	52.95	<.0001
4C2F3S2	1642.22	39.12	41.98	<.0001	1721.92	35.22	48.89	<.0001
4C2F3S3	1660.90	50.80	32.69	<.0001	1694.82	45.70	37.08	<.0001
4C3F1S1	1437.14	25.37	56.64	<.0001	1576.55	22.93	68.76	<.0001
4C3F1S2	1420.63	30.84	46.06	<.0001	1527.02	27.82	54.90	<.0001
4C3F1S3	1554.94	43.83	35.48	<.0001	1577.32	39.51	39.93	<.0001
4C3F2S1	1672.59	11.98	139.60	<.0001	1824.19	10.91	167.20	<.0001
4C3F2S2	1727.63	13.61	126.89	<.0001	1793.28	12.34	145.31	<.0001
4C3F2S3	1819.86	17.89	101.72	<.0001	1849.51	16.19	114.26	<.0001

Variables	OLS				Fixed Effects			
	Dependent Variable							
	Adjusted Payment Minus Cost (Mean \$893.58)				Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value	Coefficient	St. Error	T-Value	P-Value
4C3F3S1	2010.00	24.14	83.25	<.0001	2151.56	21.79	98.76	<.0001
4C3F3S2	2082.87	26.20	79.49	<.0001	2172.46	23.62	91.96	<.0001
4C3F3S3	2140.72	35.36	60.54	<.0001	2174.60	31.84	68.29	<.0001
5C1F1S1	1359.59	15.81	85.97	<.0001	1228.43	14.31	85.82	<.0001
5C1F2S1	1533.51	10.33	148.40	<.0001	1434.27	9.37	153.00	<.0001
5C1F3S1	1785.06	12.42	143.72	<.0001	1707.84	11.23	152.06	<.0001
5C2F1S1	1504.99	13.71	109.74	<.0001	1401.59	12.42	112.86	<.0001
5C2F2S1	1718.09	8.67	198.22	<.0001	1634.34	7.89	207.27	<.0001
5C2F3S1	1981.83	9.05	219.06	<.0001	1928.18	8.22	234.44	<.0001
5C3F1S1	1874.09	16.16	115.98	<.0001	1819.43	14.59	124.71	<.0001
5C3F2S1	2137.46	8.72	245.12	<.0001	2084.92	7.94	262.61	<.0001
5C3F3S1	2305.06	8.14	283.29	<.0001	2284.66	7.43	307.32	<.0001
This color shading indicates statistically not significant at the 5% level.								

APPENDIX F: SUBGROUP ANALYSIS REGRESSION MODELS, INCLUDING DUAL PROPORTION MEASURE

Table 18. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Group 1 Variables

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T-Value	P-Value
N	2,191,552			
R-Squared	0.15			
Root MSE	1,121.99			
Constant	321.85	6.4	50.3	<.0001
Dual Proportion	-472.79	4.52	-104.66	<.0001
Group 1: Variables Already in the Payment System				
Intravenous Therapy At Home	-56.85	5.84	-9.73	<.0001
Parenteral Nutrition	-120.79	21.82	-5.54	<.0001
Enteral Nutrition	-74	7.36	-10.06	<.0001
Unhealed Stage 2 Pressure Ulcer	-31.32	5.48	-5.71	<.0001
Traumatic Wounds	-224.88	13.35	-16.85	<.0001
Ulcer	-294.96	4.3	-68.67	<.0001
Dyspneic: When At Rest	-172.19	4.8	-35.87	<.0001
Dyspneic: With Moderate Exertion	-98.55	1.82	-54.23	<.0001
Dyspneic: With Minimal Exertion	-140.79	2.38	-59.2	<.0001
Bathing: Able To Bathe With Use Of Devices	-16.8	4.33	-3.88	0
Bathing: Needs Assistance	-72.04	4.74	-15.21	<.0001
Bathing: Needs Assistance Throughout	-180.35	4.88	-36.95	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-125.81	5.45	-23.07	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-234.16	5.44	-43.07	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-265.61	6.63	-40.08	<.0001
Toilet Transferring: Totally Dependent	-25.18	5.31	-4.74	<.0001
Ambulation: Requires Assistance	135.83	2.04	66.51	<.0001
Transferring: Bedfast, Able To Position	-44.37	10.1	-4.39	<.0001
Bowel Incontinence Rare	-49.9	3.17	-15.75	<.0001
Bowel Incontinence Frequent	-23.38	4.46	-5.25	<.0001
Ostomy	70.04	5.96	11.74	<.0001
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	384.94	15.38	25.03	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T-Value	P-Value
1C1F1S3	534.89	10.55	50.69	<.0001
1C1F1S4	668.6	17.83	37.5	<.0001
1C1F1S5	750.27	12.18	61.59	<.0001
1C1F2S1	208.92	8.23	25.37	<.0001
1C1F2S2	578.84	12.39	46.72	<.0001
1C1F2S3	716.7	8.71	82.25	<.0001
1C1F2S4	847.65	12.96	65.41	<.0001
1C1F2S5	925.21	9.27	99.78	<.0001
1C1F3S1	405.91	16.37	24.79	<.0001
1C1F3S2	751.45	33.56	22.39	<.0001
1C1F3S3	865.91	19.55	44.3	<.0001
1C1F3S4	950.45	33.78	28.13	<.0001
1C1F3S5	1055.2	20.09	52.53	<.0001
1C2F1S1	304.02	6.77	44.92	<.0001
1C2F1S2	471.31	14.69	32.08	<.0001
1C2F1S3	600.96	10.1	59.51	<.0001
1C2F1S4	711.68	17.04	41.77	<.0001
1C2F1S5	802.95	11.45	70.15	<.0001
1C2F2S1	522.28	6.87	75.98	<.0001
1C2F2S2	699.2	10.32	67.72	<.0001
1C2F2S3	803.56	7.72	104.15	<.0001
1C2F2S4	914.3	10.62	86.12	<.0001
1C2F2S5	972.55	8.02	121.27	<.0001
1C2F3S1	747.17	10.05	74.38	<.0001
1C2F3S2	853.93	22.08	38.67	<.0001
1C2F3S3	944.67	13.4	70.51	<.0001
1C2F3S4	1039.24	21.53	48.28	<.0001
1C2F3S5	1079.26	13.75	78.46	<.0001
1C3F1S1	547.84	6.55	83.7	<.0001
1C3F1S2	522.16	18.4	28.37	<.0001
1C3F1S3	636.63	12.13	52.5	<.0001
1C3F1S4	732.15	21.04	34.79	<.0001
1C3F1S5	820.7	13.91	58.99	<.0001
1C3F2S1	828.97	6.62	125.23	<.0001
1C3F2S2	800.56	10.92	73.34	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T-Value	P-Value
1C3F2S3	892.31	8.03	111.06	<.0001
1C3F2S4	991.98	11.21	88.5	<.0001
1C3F2S5	1045.15	8.33	125.53	<.0001
1C3F3S1	1082.43	8.02	134.97	<.0001
1C3F3S2	980.87	17.97	54.57	<.0001
1C3F3S3	1032.54	11.48	89.93	<.0001
1C3F3S4	1097.97	18.34	59.85	<.0001
1C3F3S5	1146.29	11.91	96.22	<.0001
2C1F1S1	792.99	19.96	39.72	<.0001
2C1F1S2	846.82	23.36	36.25	<.0001
2C1F1S3	944.16	30.95	30.5	<.0001
2C1F2S1	989.99	13.79	71.79	<.0001
2C1F2S2	1009.47	15.63	64.6	<.0001
2C1F2S3	1011.71	19.41	52.13	<.0001
2C1F3S1	1057.17	22.54	46.9	<.0001
2C1F3S2	1100.45	24.1	45.67	<.0001
2C1F3S3	1050.43	28.74	36.54	<.0001
2C2F1S1	1021.95	11.9	85.91	<.0001
2C2F1S2	1074.41	13.97	76.91	<.0001
2C2F1S3	1109.82	18.36	60.45	<.0001
2C2F2S1	1237.8	8.6	144	<.0001
2C2F2S2	1289.89	9.43	136.76	<.0001
2C2F2S3	1295.38	11.08	116.86	<.0001
2C2F3S1	1280.7	12.48	102.64	<.0001
2C2F3S2	1347.03	13.57	99.24	<.0001
2C2F3S3	1344.12	16.1	83.49	<.0001
2C3F1S1	1308.79	16.06	81.48	<.0001
2C3F1S2	1279.68	19.25	66.47	<.0001
2C3F1S3	1309.03	25.87	50.6	<.0001
2C3F2S1	1589.58	9.3	170.85	<.0001
2C3F2S2	1586.08	10.44	151.96	<.0001
2C3F2S3	1586.39	12.24	129.65	<.0001
2C3F3S1	1613.23	11.7	137.88	<.0001
2C3F3S2	1675.16	12.77	131.16	<.0001
2C3F3S3	1656.67	14.73	112.5	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T-Value	P-Value
3C1F1S1	200.58	7.93	25.29	<.0001
3C1F1S2	235.79	35.77	6.59	<.0001
3C1F1S3	412.58	20.6	20.03	<.0001
3C1F1S4	454.19	33.72	13.47	<.0001
3C1F1S5	536.84	20.42	26.29	<.0001
3C1F2S1	527.13	7.52	70.05	<.0001
3C1F2S2	509.14	23.4	21.76	<.0001
3C1F2S3	638	13.74	46.44	<.0001
3C1F2S4	729.48	21.76	33.52	<.0001
3C1F2S5	780.64	13.44	58.07	<.0001
3C1F3S1	827.65	10.98	75.35	<.0001
3C1F3S2	831.42	45.96	18.09	<.0001
3C1F3S3	887.27	25.23	35.16	<.0001
3C1F3S4	888.31	43.5	20.42	<.0001
3C1F3S5	1016.34	24.09	42.18	<.0001
3C2F1S1	217.15	7.6	28.55	<.0001
3C2F1S2	193.47	35.69	5.42	<.0001
3C2F1S3	342.11	21.53	15.89	<.0001
3C2F1S4	400.31	37	10.82	<.0001
3C2F1S5	544.28	22.06	24.68	<.0001
3C2F2S1	493.62	7.14	69.14	<.0001
3C2F2S2	512.26	21.24	24.11	<.0001
3C2F2S3	595.98	12.96	45.98	<.0001
3C2F2S4	626.56	20.89	29.99	<.0001
3C2F2S5	714.11	12.78	55.88	<.0001
3C2F3S1	835.58	9.43	88.57	<.0001
3C2F3S2	913.46	37.6	24.3	<.0001
3C2F3S3	914.53	20.9	43.76	<.0001
3C2F3S4	936.05	35.02	26.73	<.0001
3C2F3S5	964.06	20.73	46.51	<.0001
3C3F1S1	476.12	8.21	57.98	<.0001
3C3F1S2	603.67	48.04	12.57	<.0001
3C3F1S3	632.94	28.58	22.15	<.0001
3C3F1S4	728.07	53.02	13.73	<.0001
3C3F1S5	728.13	32.4	22.47	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T-Value	P-Value
3C3F2S1	810.44	7.34	110.46	<.0001
3C3F2S2	854.5	24.15	35.38	<.0001
3C3F2S3	919.26	14.67	62.65	<.0001
3C3F2S4	1055.89	23.93	44.12	<.0001
3C3F2S5	973.03	14.98	64.96	<.0001
3C3F3S1	1194.38	8.31	143.79	<.0001
3C3F3S2	1168.07	29.83	39.16	<.0001
3C3F3S3	1243.36	18.06	68.85	<.0001
3C3F3S4	1336.66	31.4	42.57	<.0001
3C3F3S5	1254.41	18.24	68.76	<.0001
4C1F1S1	651.16	29.08	22.39	<.0001
4C1F1S2	730.54	31.48	23.21	<.0001
4C1F1S3	814.88	46.48	17.53	<.0001
4C1F2S1	870.04	18.5	47.03	<.0001
4C1F2S2	904.5	19.61	46.12	<.0001
4C1F2S3	969.62	27.88	34.78	<.0001
4C1F3S1	1147.64	55.43	20.7	<.0001
4C1F3S2	1356.08	57.74	23.48	<.0001
4C1F3S3	1226.31	78.05	15.71	<.0001
4C2F1S1	991.61	21.08	47.04	<.0001
4C2F1S2	1023.71	25.26	40.53	<.0001
4C2F1S3	1106.33	36.92	29.96	<.0001
4C2F2S1	1154.62	12.06	95.76	<.0001
4C2F2S2	1202.84	13.56	88.7	<.0001
4C2F2S3	1326.91	18.35	72.3	<.0001
4C2F3S1	1569.93	34.5	45.5	<.0001
4C2F3S2	1641.36	38.38	42.76	<.0001
4C2F3S3	1632.62	49.98	32.66	<.0001
4C3F1S1	1374.81	24.09	57.07	<.0001
4C3F1S2	1376.71	28.53	48.25	<.0001
4C3F1S3	1522.88	40.51	37.59	<.0001
4C3F2S1	1636.26	11.56	141.48	<.0001
4C3F2S2	1694.51	13.04	129.9	<.0001
4C3F2S3	1795.5	17.13	104.79	<.0001
4C3F3S1	1986.59	23.02	86.3	<.0001

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$870.00)			
	Coefficient	St. Error	T-Value	P-Value
4C3F3S2	2052.93	24.96	82.23	<.0001
4C3F3S3	2074.92	33.38	62.16	<.0001
5C1F1S1	1403.22	16.17	86.78	<.0001
5C1F2S1	1560.95	10.63	146.9	<.0001
5C1F3S1	1793.39	12.65	141.75	<.0001
5C2F1S1	1485.49	13.93	106.63	<.0001
5C2F2S1	1691.49	8.86	190.82	<.0001
5C2F3S1	1945.83	9.15	212.55	<.0001
5C3F1S1	1777.03	16.13	110.18	<.0001
5C3F2S1	2049.39	8.87	230.97	<.0001
5C3F3S1	2204.05	8.14	270.8	<.0001
This color shading indicates statistically not significant at the 5% level.				

Table 19. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-2 Variables

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
N	2,182,258			
R-Squared	0.15			
Root MSE	1,122.01			
Constant	313.47	6.63	47.29	<.0001
Dual Proportion	-464.74	4.67	-99.46	<.0001
Group 1: Variables Already in the Payment System				
Intravenous Therapy At Home	-57.06	5.86	-9.74	<.0001
Parenteral Nutrition	-122.93	21.83	-5.63	<.0001
Enteral Nutrition	-75.25	7.37	-10.21	<.0001
Unhealed Stage 2 Pressure Ulcer	-30.62	5.5	-5.57	<.0001
Traumatic Wounds	-224.44	13.38	-16.78	<.0001
Ulcer	-296.1	4.31	-68.76	<.0001
Dyspneic: When At Rest	-168.59	4.81	-35.02	<.0001
Dyspneic: With Moderate Exertion	-97.14	1.82	-53.27	<.0001
Dyspneic: With Minimal Exertion	-138.28	2.39	-57.87	<.0001
Bathing: Able To Bathe With Use Of Devices	-16.73	4.34	-3.85	0
Bathing: Needs Assistance	-72.56	4.75	-15.29	<.0001
Bathing: Needs Assistance Throughout	-181.47	4.89	-37.1	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-126.27	5.47	-23.1	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-234.31	5.45	-43.01	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-266.74	6.64	-40.16	<.0001
Toilet Transferring: Totally Dependent	-26.47	5.32	-4.97	<.0001
Ambulation: Requires Assistance	135.43	2.05	66.15	<.0001
Transferring: Bedfast, Able To Position	-43.48	10.12	-4.3	<.0001
Bowel Incontinence Rare	-49.92	3.18	-15.72	<.0001
Bowel Incontinence Frequent	-24.57	4.47	-5.5	<.0001
Ostomy	70.67	5.98	11.82	<.0001
Group 2: Median HH Income by ZIP				
Median Household Income by ZIP Quartile 2	-8.33	2.25	-3.71	0
Median Household Income by ZIP Quartile 3	-2.61	2.22	-1.18	0.24
Median Household Income by ZIP Quartile 4	23.8	2.11	11.28	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	384.34	15.41	24.94	<.0001
1C1F1S3	533.45	10.57	50.45	<.0001
1C1F1S4	667.78	17.87	37.38	<.0001
1C1F1S5	749.9	12.21	61.41	<.0001
1C1F2S1	208.67	8.25	25.28	<.0001
1C1F2S2	575.91	12.41	46.39	<.0001
1C1F2S3	715.59	8.73	81.93	<.0001
1C1F2S4	846.75	12.99	65.18	<.0001
1C1F2S5	924.96	9.29	99.54	<.0001
1C1F3S1	405.96	16.41	24.75	<.0001
1C1F3S2	752.11	33.67	22.34	<.0001
1C1F3S3	865.54	19.61	44.14	<.0001
1C1F3S4	949.94	33.89	28.03	<.0001
1C1F3S5	1055.7	20.14	52.43	<.0001
1C2F1S1	304.74	6.78	44.93	<.0001
1C2F1S2	470.2	14.72	31.94	<.0001
1C2F1S3	600.27	10.12	59.32	<.0001
1C2F1S4	711.93	17.07	41.7	<.0001
1C2F1S5	804.35	11.47	70.11	<.0001
1C2F2S1	522.58	6.89	75.86	<.0001
1C2F2S2	697.67	10.35	67.43	<.0001
1C2F2S3	802.7	7.73	103.81	<.0001
1C2F2S4	913.36	10.64	85.82	<.0001
1C2F2S5	972.32	8.04	120.98	<.0001
1C2F3S1	748.47	10.07	74.31	<.0001
1C2F3S2	855.79	22.13	38.67	<.0001
1C2F3S3	944.86	13.43	70.34	<.0001
1C2F3S4	1038.54	21.58	48.12	<.0001
1C2F3S5	1080.08	13.78	78.37	<.0001
1C3F1S1	548.4	6.56	83.6	<.0001
1C3F1S2	521.51	18.44	28.28	<.0001
1C3F1S3	636.05	12.15	52.34	<.0001
1C3F1S4	731.42	21.08	34.7	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
1C3F1S5	820.83	13.95	58.86	<.0001
1C3F2S1	829.84	6.63	125.08	<.0001
1C3F2S2	800.01	10.94	73.11	<.0001
1C3F2S3	892.39	8.05	110.83	<.0001
1C3F2S4	993.18	11.24	88.4	<.0001
1C3F2S5	1045.77	8.34	125.33	<.0001
1C3F3S1	1083.84	8.04	134.81	<.0001
1C3F3S2	980.44	18.02	54.41	<.0001
1C3F3S3	1033.22	11.51	89.77	<.0001
1C3F3S4	1098.56	18.4	59.71	<.0001
1C3F3S5	1147.09	11.94	96.05	<.0001
2C1F1S1	792.64	20	39.64	<.0001
2C1F1S2	844.65	23.43	36.05	<.0001
2C1F1S3	941.39	31.03	30.34	<.0001
2C1F2S1	990	13.82	71.63	<.0001
2C1F2S2	1009.48	15.66	64.47	<.0001
2C1F2S3	1011.96	19.44	52.05	<.0001
2C1F3S1	1055.85	22.58	46.76	<.0001
2C1F3S2	1102.19	24.13	45.68	<.0001
2C1F3S3	1047.95	28.82	36.37	<.0001
2C2F1S1	1022.25	11.92	85.77	<.0001
2C2F1S2	1073.37	13.99	76.71	<.0001
2C2F1S3	1108.8	18.39	60.28	<.0001
2C2F2S1	1237.52	8.61	143.68	<.0001
2C2F2S2	1290.94	9.45	136.6	<.0001
2C2F2S3	1294.98	11.11	116.6	<.0001
2C2F3S1	1281.7	12.5	102.53	<.0001
2C2F3S2	1347.53	13.6	99.08	<.0001
2C2F3S3	1345.45	16.13	83.41	<.0001
2C3F1S1	1311.06	16.09	81.47	<.0001
2C3F1S2	1279.49	19.28	66.36	<.0001
2C3F1S3	1310.06	25.9	50.57	<.0001
2C3F2S1	1588.86	9.32	170.4	<.0001
2C3F2S2	1586.99	10.46	151.75	<.0001
2C3F2S3	1587.16	12.26	129.44	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
2C3F3S1	1613.71	11.73	137.63	<.0001
2C3F3S2	1675.73	12.8	130.9	<.0001
2C3F3S3	1657.61	14.76	112.32	<.0001
3C1F1S1	202.64	7.95	25.49	<.0001
3C1F1S2	233.51	35.84	6.51	<.0001
3C1F1S3	412.36	20.62	19.99	<.0001
3C1F1S4	456.37	33.78	13.51	<.0001
3C1F1S5	536.82	20.46	26.24	<.0001
3C1F2S1	529.15	7.55	70.13	<.0001
3C1F2S2	510.08	23.48	21.73	<.0001
3C1F2S3	639.23	13.77	46.42	<.0001
3C1F2S4	731.35	21.81	33.54	<.0001
3C1F2S5	782.32	13.47	58.08	<.0001
3C1F3S1	830.97	11.02	75.42	<.0001
3C1F3S2	835.94	46.11	18.13	<.0001
3C1F3S3	888.86	25.28	35.16	<.0001
3C1F3S4	889.76	43.53	20.44	<.0001
3C1F3S5	1018.14	24.12	42.21	<.0001
3C2F1S1	218.79	7.62	28.7	<.0001
3C2F1S2	193.72	35.71	5.43	<.0001
3C2F1S3	342.25	21.56	15.87	<.0001
3C2F1S4	400.98	37.1	10.81	<.0001
3C2F1S5	544.44	22.1	24.63	<.0001
3C2F2S1	495.41	7.16	69.21	<.0001
3C2F2S2	514.21	21.29	24.15	<.0001
3C2F2S3	597.3	12.99	45.99	<.0001
3C2F2S4	627.8	20.94	29.98	<.0001
3C2F2S5	714.57	12.81	55.79	<.0001
3C2F3S1	838.07	9.47	88.54	<.0001
3C2F3S2	912.57	37.7	24.21	<.0001
3C2F3S3	916.11	20.97	43.69	<.0001
3C2F3S4	936.98	35.09	26.71	<.0001
3C2F3S5	967.76	20.79	46.54	<.0001
3C3F1S1	477.8	8.23	58.05	<.0001
3C3F1S2	603.12	48.13	12.53	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
3C3F1S3	632.84	28.65	22.09	<.0001
3C3F1S4	735.43	53.08	13.86	<.0001
3C3F1S5	741.55	32.51	22.81	<.0001
3C3F2S1	813.1	7.36	110.55	<.0001
3C3F2S2	855.33	24.21	35.33	<.0001
3C3F2S3	920.02	14.71	62.53	<.0001
3C3F2S4	1055.9	23.99	44.01	<.0001
3C3F2S5	975.4	15.01	65	<.0001
3C3F3S1	1196.81	8.33	143.72	<.0001
3C3F3S2	1169.23	29.92	39.08	<.0001
3C3F3S3	1244.47	18.1	68.76	<.0001
3C3F3S4	1336.76	31.47	42.48	<.0001
3C3F3S5	1256.56	18.29	68.72	<.0001
4C1F1S1	652.14	29.11	22.4	<.0001
4C1F1S2	734.45	31.54	23.29	<.0001
4C1F1S3	803.36	46.68	17.21	<.0001
4C1F2S1	868.92	18.55	46.84	<.0001
4C1F2S2	906.82	19.65	46.16	<.0001
4C1F2S3	970.91	27.91	34.78	<.0001
4C1F3S1	1147.16	55.5	20.67	<.0001
4C1F3S2	1353.79	57.97	23.35	<.0001
4C1F3S3	1226.12	78.05	15.71	<.0001
4C2F1S1	992.79	21.12	47.02	<.0001
4C2F1S2	1024.82	25.28	40.54	<.0001
4C2F1S3	1106.86	36.96	29.94	<.0001
4C2F2S1	1155.73	12.08	95.65	<.0001
4C2F2S2	1205.21	13.58	88.74	<.0001
4C2F2S3	1326.07	18.4	72.05	<.0001
4C2F3S1	1572.32	34.6	45.44	<.0001
4C2F3S2	1640.58	38.43	42.69	<.0001
4C2F3S3	1635.81	50.08	32.66	<.0001
4C3F1S1	1376.7	24.11	57.09	<.0001
4C3F1S2	1376.58	28.56	48.2	<.0001
4C3F1S3	1522.7	40.54	37.56	<.0001
4C3F2S1	1637.87	11.59	141.35	<.0001

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
4C3F2S2	1697.22	13.07	129.86	<.0001
4C3F2S3	1798.26	17.16	104.78	<.0001
4C3F3S1	1984.56	23.07	86.02	<.0001
4C3F3S2	2052.44	25.02	82.04	<.0001
4C3F3S3	2078.55	33.51	62.03	<.0001
5C1F1S1	1401.94	16.2	86.54	<.0001
5C1F2S1	1560.36	10.65	146.55	<.0001
5C1F3S1	1792.67	12.68	141.38	<.0001
5C2F1S1	1486.07	13.95	106.5	<.0001
5C2F2S1	1692.81	8.88	190.58	<.0001
5C2F3S1	1946.59	9.17	212.17	<.0001
5C3F1S1	1778.46	16.15	110.1	<.0001
5C3F2S1	2050.6	8.89	230.66	<.0001
5C3F3S1	2205.33	8.16	270.32	<.0001
This color shading indicates statistically not significant at the 5% level.				

Table 20. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-3 Variables

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
N	2,182,258			
R-Squared	0.152			
Root MSE	1,120.77			
Constant	379.75	6.69	56.77	<.0001
Dual Proportion	-521.45	4.74	-110.06	<.0001
Group 1: Variables Already in the Payment System				
Intravenous Therapy At Home	-35.36	5.86	-6.04	<.0001
Parenteral Nutrition	-113.04	21.81	-5.18	<.0001
Enteral Nutrition	-62.54	7.37	-8.49	<.0001
Unhealed Stage 2 Pressure Ulcer	-25.48	5.49	-4.64	<.0001
Traumatic Wounds	-229.6	13.36	-17.18	<.0001
Ulcer	-307.32	4.3	-71.4	<.0001
Dyspneic: When At Rest	-162.8	4.81	-33.85	<.0001
Dyspneic: With Moderate Exertion	-98.2	1.82	-53.9	<.0001
Dyspneic: With Minimal Exertion	-137.5	2.39	-57.61	<.0001
Bathing: Able To Bathe With Use Of Devices	-19.02	4.34	-4.38	<.0001
Bathing: Needs Assistance	-68.79	4.74	-14.51	<.0001
Bathing: Needs Assistance Throughout	-172.63	4.89	-35.32	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-102.28	5.47	-18.69	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-207.21	5.46	-37.98	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-252.5	6.64	-38.04	<.0001
Toilet Transferring: Totally Dependent	-30.03	5.32	-5.65	<.0001
Ambulation: Requires Assistance	137.37	2.05	67.17	<.0001
Transferring: Bedfast, Able To Position	-43.1	10.11	-4.26	<.0001
Bowel Incontinence Rare	-58.66	3.17	-18.48	<.0001
Bowel Incontinence Frequent	-28.36	4.46	-6.36	<.0001
Ostomy	78.33	5.97	13.11	<.0001
Group 2: Median HH Income by ZIP				
Median Household Income by ZIP Quartile 2	-6.86	2.24	-3.06	0
Median Household Income by ZIP Quartile 3	1.17	2.22	0.53	0.6
Median Household Income by ZIP Quartile 4	30.04	2.11	14.24	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
Group 3: Post-Acute Admissions in the Past 14 Days				
Post-Acute Admissions	-122.85	1.77	-69.5	<.0001
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	392.78	15.39	25.52	<.0001
1C1F1S3	534.89	10.56	50.64	<.0001
1C1F1S4	665.23	17.85	37.28	<.0001
1C1F1S5	744.91	12.2	61.07	<.0001
1C1F2S1	210.35	8.24	25.52	<.0001
1C1F2S2	589.15	12.4	47.5	<.0001
1C1F2S3	725.88	8.73	83.19	<.0001
1C1F2S4	855.1	12.98	65.89	<.0001
1C1F2S5	929.25	9.28	100.11	<.0001
1C1F3S1	389.72	16.39	23.78	<.0001
1C1F3S2	744.94	33.64	22.15	<.0001
1C1F3S3	857.7	19.59	43.79	<.0001
1C1F3S4	943.55	33.85	27.87	<.0001
1C1F3S5	1045.35	20.11	51.97	<.0001
1C2F1S1	303.12	6.78	44.74	<.0001
1C2F1S2	483.31	14.71	32.86	<.0001
1C2F1S3	607.87	10.11	60.13	<.0001
1C2F1S4	716.42	17.06	42.01	<.0001
1C2F1S5	803.67	11.46	70.13	<.0001
1C2F2S1	518.99	6.88	75.42	<.0001
1C2F2S2	712.12	10.34	68.89	<.0001
1C2F2S3	813.88	7.73	105.34	<.0001
1C2F2S4	922.81	10.63	86.79	<.0001
1C2F2S5	978.82	8.03	121.92	<.0001
1C2F3S1	731.9	10.06	72.72	<.0001
1C2F3S2	855.15	22.11	38.68	<.0001
1C2F3S3	943.37	13.42	70.3	<.0001
1C2F3S4	1036.8	21.56	48.09	<.0001
1C2F3S5	1077.05	13.77	78.24	<.0001
1C3F1S1	538.24	6.55	82.12	<.0001
1C3F1S2	529.99	18.42	28.77	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
1C3F1S3	640.56	12.14	52.76	<.0001
1C3F1S4	733.1	21.06	34.82	<.0001
1C3F1S5	817.71	13.93	58.7	<.0001
1C3F2S1	818.12	6.63	123.41	<.0001
1C3F2S2	810.34	10.93	74.13	<.0001
1C3F2S3	900.95	8.04	112	<.0001
1C3F2S4	999.61	11.22	89.07	<.0001
1C3F2S5	1049.71	8.33	125.94	<.0001
1C3F3S1	1064.73	8.04	132.5	<.0001
1C3F3S2	982.46	18	54.59	<.0001
1C3F3S3	1033.88	11.5	89.92	<.0001
1C3F3S4	1099.47	18.38	59.82	<.0001
1C3F3S5	1146.14	11.93	96.08	<.0001
2C1F1S1	773.79	19.98	38.74	<.0001
2C1F1S2	822.25	23.41	35.13	<.0001
2C1F1S3	922.14	31	29.75	<.0001
2C1F2S1	979.23	13.81	70.92	<.0001
2C1F2S2	995.29	15.64	63.63	<.0001
2C1F2S3	1001.25	19.42	51.56	<.0001
2C1F3S1	1038.38	22.55	46.04	<.0001
2C1F3S2	1080.96	24.11	44.84	<.0001
2C1F3S3	1031.83	28.79	35.85	<.0001
2C2F1S1	1010.97	11.91	84.91	<.0001
2C2F1S2	1059.68	13.98	75.81	<.0001
2C2F1S3	1099.77	18.37	59.86	<.0001
2C2F2S1	1231.9	8.6	143.18	<.0001
2C2F2S2	1284.04	9.44	136.02	<.0001
2C2F2S3	1293.68	11.09	116.62	<.0001
2C2F3S1	1275.49	12.49	102.14	<.0001
2C2F3S2	1339.1	13.59	98.56	<.0001
2C2F3S3	1341.15	16.11	83.23	<.0001
2C3F1S1	1304.85	16.08	81.17	<.0001
2C3F1S2	1272.23	19.26	66.05	<.0001
2C3F1S3	1306.74	25.88	50.5	<.0001
2C3F2S1	1586.29	9.31	170.31	<.0001

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
2C3F2S2	1584.97	10.45	151.72	<.0001
2C3F2S3	1590.69	12.25	129.87	<.0001
2C3F3S1	1610.85	11.71	137.54	<.0001
2C3F3S2	1671.7	12.79	130.73	<.0001
2C3F3S3	1659.76	14.74	112.59	<.0001
3C1F1S1	160.6	7.96	20.17	<.0001
3C1F1S2	197.32	35.81	5.51	<.0001
3C1F1S3	374.94	20.61	18.19	<.0001
3C1F1S4	417.88	33.75	12.38	<.0001
3C1F1S5	499.61	20.44	24.44	<.0001
3C1F2S1	483.67	7.57	63.93	<.0001
3C1F2S2	474.04	23.46	20.21	<.0001
3C1F2S3	601.54	13.77	43.7	<.0001
3C1F2S4	694.03	21.79	31.85	<.0001
3C1F2S5	744.56	13.47	55.29	<.0001
3C1F3S1	782.61	11.03	70.97	<.0001
3C1F3S2	794.98	46.06	17.26	<.0001
3C1F3S3	851.28	25.26	33.7	<.0001
3C1F3S4	854.25	43.49	19.64	<.0001
3C1F3S5	978.85	24.1	40.62	<.0001
3C2F1S1	177.32	7.64	23.21	<.0001
3C2F1S2	159.12	35.67	4.46	<.0001
3C2F1S3	304.93	21.55	14.15	<.0001
3C2F1S4	364.18	37.06	9.83	<.0001
3C2F1S5	508.47	22.08	23.02	<.0001
3C2F2S1	450.93	7.18	62.81	<.0001
3C2F2S2	477.74	21.28	22.45	<.0001
3C2F2S3	560.73	12.98	43.19	<.0001
3C2F2S4	593.41	20.92	28.36	<.0001
3C2F2S5	680.04	12.8	53.11	<.0001
3C2F3S1	791.06	9.48	83.45	<.0001
3C2F3S2	876.25	37.66	23.27	<.0001
3C2F3S3	878.39	20.95	41.92	<.0001
3C2F3S4	901.28	35.05	25.71	<.0001
3C2F3S5	930.62	20.78	44.79	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
3C3F1S1	434.89	8.25	52.74	<.0001
3C3F1S2	570.74	48.08	11.87	<.0001
3C3F1S3	599.81	28.62	20.96	<.0001
3C3F1S4	701.93	53.02	13.24	<.0001
3C3F1S5	709.62	32.47	21.85	<.0001
3C3F2S1	768.26	7.38	104.17	<.0001
3C3F2S2	823.47	24.19	34.04	<.0001
3C3F2S3	887.39	14.7	60.35	<.0001
3C3F2S4	1023.81	23.97	42.71	<.0001
3C3F2S5	942.48	15	62.85	<.0001
3C3F3S1	1151.42	8.34	138	<.0001
3C3F3S2	1136.46	29.89	38.02	<.0001
3C3F3S3	1212.01	18.08	67.02	<.0001
3C3F3S4	1308.86	31.43	41.64	<.0001
3C3F3S5	1226.65	18.27	67.14	<.0001
4C1F1S1	613.45	29.08	21.09	<.0001
4C1F1S2	693.57	31.51	22.01	<.0001
4C1F1S3	765.2	46.63	16.41	<.0001
4C1F2S1	828.24	18.54	44.68	<.0001
4C1F2S2	864.51	19.63	44.03	<.0001
4C1F2S3	933.4	27.89	33.47	<.0001
4C1F3S1	1105.92	55.44	19.95	<.0001
4C1F3S2	1309.46	57.91	22.61	<.0001
4C1F3S3	1186.66	77.96	15.22	<.0001
4C2F1S1	956.29	21.1	45.32	<.0001
4C2F1S2	985.25	25.26	39.01	<.0001
4C2F1S3	1071.57	36.93	29.02	<.0001
4C2F2S1	1117.74	12.08	92.52	<.0001
4C2F2S2	1165.63	13.58	85.85	<.0001
4C2F2S3	1290.99	18.39	70.2	<.0001
4C2F3S1	1535.35	34.57	44.42	<.0001
4C2F3S2	1601.82	38.39	41.73	<.0001
4C2F3S3	1605.6	50.03	32.09	<.0001
4C3F1S1	1341.91	24.09	55.7	<.0001
4C3F1S2	1339.02	28.53	46.93	<.0001

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.73)			
	Coefficient	St. Error	T-Value	P-Value
4C3F1S3	1486.24	40.5	36.7	<.0001
4C3F2S1	1603.02	11.59	138.36	<.0001
4C3F2S2	1658.82	13.07	126.95	<.0001
4C3F2S3	1767.51	17.15	103.07	<.0001
4C3F3S1	1947.96	23.05	84.51	<.0001
4C3F3S2	2013.66	25	80.56	<.0001
4C3F3S3	2049.87	33.47	61.24	<.0001
5C1F1S1	1385.1	16.18	85.59	<.0001
5C1F2S1	1551.46	10.64	145.86	<.0001
5C1F3S1	1776.67	12.67	140.25	<.0001
5C2F1S1	1476.03	13.94	105.89	<.0001
5C2F2S1	1693.29	8.87	190.85	<.0001
5C2F3S1	1937.3	9.17	211.37	<.0001
5C3F1S1	1772.74	16.14	109.87	<.0001
5C3F2S1	2055.74	8.88	231.49	<.0001
5C3F3S1	2198.37	8.15	269.75	<.0001
This color shading indicates statistically not significant at the 5% level.				

Table 21. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-4 Variables

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
N	2,107,721			
R-Squared	0.154			
Root MSE	1,122.21			
Constant	413.69	6.92	59.81	<.0001
Dual Proportion	-542.12	4.85	-111.7	<.0001
Group 1: Variables Already in the Payment System				
Intravenous Therapy At Home	-29.44	6.09	-4.83	<.0001
Parenteral Nutrition	-93.49	23.25	-4.02	<.0001
Enteral Nutrition	-51.54	7.58	-6.8	<.0001
Unhealed Stage 2 Pressure Ulcer	-28.05	5.59	-5.02	<.0001
Traumatic Wounds	-227.58	13.65	-16.68	<.0001
Ulcer	-293.18	4.39	-66.76	<.0001
Dyspneic: When At Rest	-143.05	4.91	-29.16	<.0001
Dyspneic: With Moderate Exertion	-93.64	1.86	-50.42	<.0001
Dyspneic: With Minimal Exertion	-126.14	2.44	-51.79	<.0001
Bathing: Able To Bathe With Use Of Devices	-17.72	4.47	-3.97	<.0001
Bathing: Needs Assistance	-67.73	4.87	-13.9	<.0001
Bathing: Needs Assistance Throughout	-168.71	5.02	-33.61	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-106.03	5.62	-18.88	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-207.69	5.6	-37.11	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-248	6.78	-36.6	<.0001
Toilet Transferring: Totally Dependent	-28.32	5.39	-5.25	<.0001
Ambulation: Requires Assistance	137.35	2.08	66.09	<.0001
Transferring: Bedfast, Able To Position	-36.19	10.31	-3.51	0
Bowel Incontinence Rare	-58.66	3.22	-18.24	<.0001
Bowel Incontinence Frequent	-30.2	4.53	-6.67	<.0001
Ostomy	90.17	6.13	14.71	<.0001
Group 2: Median HH Income by ZIP				
Median Household Income by ZIP Quartile 2	-7.13	2.29	-3.11	0
Median Household Income by ZIP Quartile 3	1.78	2.26	0.79	0.43
Median Household Income by ZIP Quartile 4	31.11	2.15	14.47	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
Group 3: Post-Acute Admissions in the Past 14 Days				
Post-Acute Admissions	-126.92	1.8	-70.37	<.0001
Group 4: HCC Quartiles				
HCC Score Quartile 2	-30.74	2.16	-14.23	<.0001
HCC Score Quartile 3	-73.31	2.21	-33.14	<.0001
HCC Score Quartile 4	-120.32	2.29	-52.59	<.0001
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	391.34	15.71	24.91	<.0001
1C1F1S3	536.12	10.77	49.77	<.0001
1C1F1S4	667.51	18.14	36.8	<.0001
1C1F1S5	747.78	12.45	60.09	<.0001
1C1F2S1	209.99	8.42	24.95	<.0001
1C1F2S2	583.91	12.71	45.94	<.0001
1C1F2S3	721.91	8.91	80.98	<.0001
1C1F2S4	852.79	13.25	64.36	<.0001
1C1F2S5	928.16	9.47	98.03	<.0001
1C1F3S1	396.03	16.69	23.74	<.0001
1C1F3S2	753.66	34.25	22	<.0001
1C1F3S3	862.58	19.95	43.24	<.0001
1C1F3S4	951.57	34.45	27.62	<.0001
1C1F3S5	1051.98	20.51	51.3	<.0001
1C2F1S1	312.02	6.93	45	<.0001
1C2F1S2	490.74	15.01	32.69	<.0001
1C2F1S3	621.11	10.32	60.18	<.0001
1C2F1S4	729.31	17.41	41.89	<.0001
1C2F1S5	818.4	11.71	69.91	<.0001
1C2F2S1	529.99	7.03	75.41	<.0001
1C2F2S2	716.66	10.55	67.92	<.0001
1C2F2S3	819.72	7.89	103.92	<.0001
1C2F2S4	927.6	10.85	85.51	<.0001
1C2F2S5	987.47	8.19	120.6	<.0001
1C2F3S1	747.48	10.25	72.93	<.0001
1C2F3S2	866.64	22.5	38.52	<.0001
1C2F3S3	955.57	13.66	69.95	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
1C2F3S4	1051.23	21.87	48.07	<.0001
1C2F3S5	1087.79	14.02	77.6	<.0001
1C3F1S1	554.49	6.73	82.38	<.0001
1C3F1S2	556.51	18.92	29.41	<.0001
1C3F1S3	662.07	12.45	53.19	<.0001
1C3F1S4	766.8	21.58	35.53	<.0001
1C3F1S5	836.77	14.3	58.52	<.0001
1C3F2S1	837.71	6.78	123.48	<.0001
1C3F2S2	833.52	11.18	74.52	<.0001
1C3F2S3	918.69	8.23	111.66	<.0001
1C3F2S4	1017.99	11.47	88.74	<.0001
1C3F2S5	1070.74	8.52	125.64	<.0001
1C3F3S1	1090.38	8.22	132.6	<.0001
1C3F3S2	1005.43	18.39	54.68	<.0001
1C3F3S3	1057.64	11.75	89.98	<.0001
1C3F3S4	1129.24	18.79	60.11	<.0001
1C3F3S5	1171.64	12.2	96.01	<.0001
2C1F1S1	778.59	20.46	38.06	<.0001
2C1F1S2	829.06	23.98	34.58	<.0001
2C1F1S3	924.92	31.76	29.12	<.0001
2C1F2S1	978.94	14.13	69.29	<.0001
2C1F2S2	1000.35	15.96	62.68	<.0001
2C1F2S3	1004.98	19.76	50.86	<.0001
2C1F3S1	1045.8	22.92	45.63	<.0001
2C1F3S2	1083.92	24.52	44.21	<.0001
2C1F3S3	1038.4	29.31	35.43	<.0001
2C2F1S1	1024.85	12.17	84.18	<.0001
2C2F1S2	1074.05	14.27	75.25	<.0001
2C2F1S3	1109.2	18.67	59.41	<.0001
2C2F2S1	1238.85	8.78	141.08	<.0001
2C2F2S2	1293.43	9.62	134.49	<.0001
2C2F2S3	1305.61	11.28	115.72	<.0001
2C2F3S1	1291	12.71	101.61	<.0001
2C2F3S2	1352.68	13.79	98.07	<.0001
2C2F3S3	1356.21	16.35	82.95	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
2C3F1S1	1328.49	16.51	80.49	<.0001
2C3F1S2	1292.2	19.8	65.27	<.0001
2C3F1S3	1326.89	26.52	50.04	<.0001
2C3F2S1	1606.16	9.52	168.7	<.0001
2C3F2S2	1601.9	10.67	150.18	<.0001
2C3F2S3	1618.6	12.5	129.53	<.0001
2C3F3S1	1634.55	11.97	136.51	<.0001
2C3F3S2	1697.67	13.03	130.29	<.0001
2C3F3S3	1682.31	15.02	111.99	<.0001
3C1F1S1	179.49	8.11	22.13	<.0001
3C1F1S2	223.08	36.17	6.17	<.0001
3C1F1S3	399.14	20.92	19.08	<.0001
3C1F1S4	446.06	34.18	13.05	<.0001
3C1F1S5	520.95	20.77	25.08	<.0001
3C1F2S1	504.74	7.7	65.53	<.0001
3C1F2S2	504.59	23.67	21.31	<.0001
3C1F2S3	630.57	13.91	45.34	<.0001
3C1F2S4	728.83	22	33.13	<.0001
3C1F2S5	772.72	13.62	56.72	<.0001
3C1F3S1	808.61	11.17	72.39	<.0001
3C1F3S2	834.8	46.64	17.9	<.0001
3C1F3S3	883.96	25.47	34.7	<.0001
3C1F3S4	885.78	43.88	20.18	<.0001
3C1F3S5	1009.56	24.34	41.48	<.0001
3C2F1S1	201.72	7.8	25.86	<.0001
3C2F1S2	189.97	36.21	5.25	<.0001
3C2F1S3	337.14	21.84	15.43	<.0001
3C2F1S4	391.01	37.85	10.33	<.0001
3C2F1S5	538.55	22.47	23.97	<.0001
3C2F2S1	479.58	7.33	65.41	<.0001
3C2F2S2	516.75	21.53	24	<.0001
3C2F2S3	598.47	13.16	45.49	<.0001
3C2F2S4	628.5	21.19	29.67	<.0001
3C2F2S5	719.34	12.98	55.41	<.0001
3C2F3S1	825.5	9.64	85.67	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
3C2F3S2	918.46	38.11	24.1	<.0001
3C2F3S3	923.19	21.24	43.47	<.0001
3C2F3S4	941.74	35.42	26.59	<.0001
3C2F3S5	965.33	21.01	45.94	<.0001
3C3F1S1	467.02	8.45	55.28	<.0001
3C3F1S2	610.57	49.05	12.45	<.0001
3C3F1S3	642.79	29.17	22.04	<.0001
3C3F1S4	734.56	54	13.6	<.0001
3C3F1S5	754.39	33.08	22.8	<.0001
3C3F2S1	802.69	7.54	106.39	<.0001
3C3F2S2	873.52	24.52	35.63	<.0001
3C3F2S3	928.87	14.94	62.17	<.0001
3C3F2S4	1061.5	24.3	43.68	<.0001
3C3F2S5	988.25	15.25	64.82	<.0001
3C3F3S1	1193.01	8.53	139.9	<.0001
3C3F3S2	1176.61	30.41	38.69	<.0001
3C3F3S3	1259.15	18.41	68.38	<.0001
3C3F3S4	1341.03	31.92	42.01	<.0001
3C3F3S5	1269.12	18.57	68.35	<.0001
4C1F1S1	637.49	29.5	21.61	<.0001
4C1F1S2	715.61	32.04	22.33	<.0001
4C1F1S3	791.3	47.23	16.75	<.0001
4C1F2S1	854.73	18.76	45.56	<.0001
4C1F2S2	885.59	19.85	44.61	<.0001
4C1F2S3	956.71	28.09	34.06	<.0001
4C1F3S1	1135.46	56.21	20.2	<.0001
4C1F3S2	1350.64	58.77	22.98	<.0001
4C1F3S3	1191.89	79.81	14.93	<.0001
4C2F1S1	991.19	21.43	46.25	<.0001
4C2F1S2	1015.61	25.56	39.74	<.0001
4C2F1S3	1095.34	37.46	29.24	<.0001
4C2F2S1	1144.11	12.25	93.42	<.0001
4C2F2S2	1194.26	13.73	86.98	<.0001
4C2F2S3	1317.03	18.6	70.8	<.0001
4C2F3S1	1585.14	34.97	45.33	<.0001

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
4C2F3S2	1641.25	38.81	42.29	<.0001
4C2F3S3	1647.65	50.26	32.78	<.0001
4C3F1S1	1387.26	24.47	56.7	<.0001
4C3F1S2	1358.27	29.04	46.77	<.0001
4C3F1S3	1539.64	40.99	37.56	<.0001
4C3F2S1	1642.86	11.79	139.32	<.0001
4C3F2S2	1698.75	13.25	128.17	<.0001
4C3F2S3	1806.94	17.38	103.97	<.0001
4C3F3S1	1993.08	23.39	85.2	<.0001
4C3F3S2	2049.27	25.39	80.71	<.0001
4C3F3S3	2098.11	34	61.71	<.0001
5C1F1S1	1392.82	16.45	84.67	<.0001
5C1F2S1	1559.68	10.8	144.47	<.0001
5C1F3S1	1791.32	12.86	139.28	<.0001
5C2F1S1	1489.88	14.16	105.23	<.0001
5C2F2S1	1704.84	9.03	188.84	<.0001
5C2F3S1	1959.19	9.32	210.29	<.0001
5C3F1S1	1800.34	16.49	109.18	<.0001
5C3F2S1	2075.47	9.05	229.23	<.0001
5C3F3S1	2233.71	8.32	268.36	<.0001
This color shading indicates statistically not significant at the 5% level.				

Table 22. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-5 Variables

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
N	2,107,721			
R-Squared	0.158			
Root MSE	1,119.89			
Constant	431.04	6.92	62.3	<.0001
Dual Proportion	-547.74	4.88	-112.18	<.0001
Group 1: Variables Already in the Payment System				
Intravenous Therapy At Home	-45.89	6.09	-7.54	<.0001
Parenteral Nutrition	-118.34	23.21	-5.1	<.0001
Enteral Nutrition	-70.65	7.58	-9.32	<.0001
Unhealed Stage 2 Pressure Ulcer	-43.97	5.58	-7.88	<.0001
Traumatic Wounds	-238.64	13.62	-17.52	<.0001
Ulcer	-289.48	4.4	-65.73	<.0001
Dyspneic: When At Rest	-122.16	4.92	-24.81	<.0001
Dyspneic: With Moderate Exertion	-86.97	1.86	-46.75	<.0001
Dyspneic: With Minimal Exertion	-108.28	2.46	-44.11	<.0001
Bathing: Able To Bathe With Use Of Devices	-16.31	4.46	-3.66	0
Bathing: Needs Assistance	-70.9	4.86	-14.58	<.0001
Bathing: Needs Assistance Throughout	-171.18	5.01	-34.15	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-111.31	5.61	-19.85	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-211.79	5.59	-37.9	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-250.97	6.77	-37.07	<.0001
Toilet Transferring: Totally Dependent	-33.49	5.39	-6.22	<.0001
Ambulation: Requires Assistance	136.97	2.08	66	<.0001
Transferring: Bedfast, Able To Position	-35.37	10.28	-3.44	0
Bowel Incontinence Rare	-54.9	3.21	-17.09	<.0001
Bowel Incontinence Frequent	-28.68	4.52	-6.34	<.0001
Ostomy	69.01	6.12	11.27	<.0001
Group 2: Median HH Income by ZIP				
Median Household Income by ZIP Quartile 2	-8.94	2.29	-3.91	<.0001
Median Household Income by ZIP Quartile 3	-2.19	2.26	-0.97	0.33
Median Household Income by ZIP Quartile 4	22.69	2.15	10.55	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
Group 3: Post-Acute Admissions in the Past 14 Days				
Post-Acute Admissions	-120.45	1.81	-66.52	<.0001
Group 4: HCC Quartiles				
HCC Score Quartile 2	-25.97	2.16	-12.03	<.0001
HCC Score Quartile 3	-63.16	2.22	-28.47	<.0001
HCC Score Quartile 4	-102.61	2.31	-44.42	<.0001
Group 5: Poor Control of Conditions				
Cardiac Dysrhythmia: Poorly Controlled	-98.51	4.18	-23.55	<.0001
Diabetes: Poorly Controlled	-150.5	2.62	-57.46	<.0001
Peripheral Vascular Disease: Poorly Controlled	-144.91	7.02	-20.65	<.0001
Pulmonary Disorder: Poorly Controlled	-164.6	11.69	-14.08	<.0001
Alzheimer's: Poorly Controlled	-53.73	6.4	-8.4	<.0001
Dementia: Poorly Controlled	-49.85	4.8	-10.38	<.0001
Heart Disease: Poorly Controlled	-108.25	8.77	-12.34	<.0001
Heart Failure: Poorly Controlled	-79.99	3.17	-25.26	<.0001
Hypertension: Poorly Controlled	-44.88	2.19	-20.48	<.0001
Musculoskeletal Connective Tissue: Poorly Controlled	37.6	2.63	14.31	<.0001
Neurological Disorder Not Alzheimer's: Poorly Controlled	24.84	5.3	4.69	<.0001
Psychiatric Disorder: Poorly Controlled	5.08	7.85	0.65	0.52
Stroke: Poorly Controlled	-38.85	4.29	-9.05	<.0001
Cancer: Poorly Controlled	-10.77	7.09	-1.52	0.13
Depression: Poorly Controlled	16.36	4.69	3.49	0
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	378.88	15.68	24.17	<.0001
1C1F1S3	523.95	10.75	48.73	<.0001
1C1F1S4	654.39	18.1	36.14	<.0001
1C1F1S5	734.33	12.42	59.11	<.0001
1C1F2S1	208.34	8.4	24.8	<.0001
1C1F2S2	572.27	12.69	45.1	<.0001
1C1F2S3	710.45	8.9	79.79	<.0001
1C1F2S4	840.11	13.23	63.51	<.0001
1C1F2S5	915.57	9.46	96.81	<.0001
1C1F3S1	394.2	16.65	23.67	<.0001
1C1F3S2	741.4	34.19	21.69	<.0001
1C1F3S3	852.08	19.91	42.8	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
1C1F3S4	938.49	34.38	27.3	<.0001
1C1F3S5	1040.23	20.47	50.82	<.0001
1C2F1S1	323.24	6.92	46.69	<.0001
1C2F1S2	491.32	14.98	32.79	<.0001
1C2F1S3	621.13	10.3	60.29	<.0001
1C2F1S4	727.03	17.38	41.84	<.0001
1C2F1S5	816.41	11.69	69.87	<.0001
1C2F2S1	541.59	7.02	77.18	<.0001
1C2F2S2	717.76	10.53	68.14	<.0001
1C2F2S3	820.35	7.88	104.13	<.0001
1C2F2S4	926.66	10.83	85.56	<.0001
1C2F2S5	986.39	8.18	120.61	<.0001
1C2F3S1	757.99	10.23	74.09	<.0001
1C2F3S2	869.41	22.45	38.72	<.0001
1C2F3S3	959.22	13.64	70.34	<.0001
1C2F3S4	1052.22	21.83	48.21	<.0001
1C2F3S5	1087.35	13.99	77.7	<.0001
1C3F1S1	577.9	6.74	85.75	<.0001
1C3F1S2	573.72	18.89	30.37	<.0001
1C3F1S3	680.31	12.43	54.71	<.0001
1C3F1S4	783.99	21.55	36.39	<.0001
1C3F1S5	853.32	14.28	59.76	<.0001
1C3F2S1	865.92	6.8	127.43	<.0001
1C3F2S2	851.42	11.17	76.2	<.0001
1C3F2S3	937.86	8.23	113.97	<.0001
1C3F2S4	1034.67	11.46	90.29	<.0001
1C3F2S5	1089.04	8.52	127.77	<.0001
1C3F3S1	1119.53	8.23	136.03	<.0001
1C3F3S2	1034.37	18.36	56.34	<.0001
1C3F3S3	1084.2	11.75	92.29	<.0001
1C3F3S4	1154.52	18.76	61.55	<.0001
1C3F3S5	1196.33	12.2	98.09	<.0001
2C1F1S1	758.86	20.42	37.16	<.0001
2C1F1S2	809.6	23.93	33.83	<.0001
2C1F1S3	905.49	31.7	28.56	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
2C1F2S1	961.21	14.11	68.13	<.0001
2C1F2S2	982.47	15.94	61.65	<.0001
2C1F2S3	989.71	19.72	50.18	<.0001
2C1F3S1	1029.2	22.88	44.99	<.0001
2C1F3S2	1065.1	24.47	43.52	<.0001
2C1F3S3	1020.88	29.26	34.9	<.0001
2C2F1S1	1018.28	12.15	83.79	<.0001
2C2F1S2	1067.7	14.25	74.94	<.0001
2C2F1S3	1102.13	18.63	59.14	<.0001
2C2F2S1	1235.11	8.77	140.81	<.0001
2C2F2S2	1290.62	9.6	134.38	<.0001
2C2F2S3	1302.25	11.26	115.61	<.0001
2C2F3S1	1290.21	12.69	101.71	<.0001
2C2F3S2	1351.83	13.77	98.17	<.0001
2C2F3S3	1356.8	16.32	83.13	<.0001
2C3F1S1	1343.95	16.48	81.55	<.0001
2C3F1S2	1309.46	19.76	66.26	<.0001
2C3F1S3	1343.07	26.47	50.75	<.0001
2C3F2S1	1624.45	9.52	170.68	<.0001
2C3F2S2	1620.72	10.66	152.04	<.0001
2C3F2S3	1638.75	12.48	131.28	<.0001
2C3F3S1	1659.21	11.97	138.63	<.0001
2C3F3S2	1722.09	13.02	132.25	<.0001
2C3F3S3	1705.74	15.01	113.66	<.0001
3C1F1S1	190.76	8.1	23.56	<.0001
3C1F1S2	225.28	36.1	6.24	<.0001
3C1F1S3	399.61	20.88	19.14	<.0001
3C1F1S4	446.14	34.11	13.08	<.0001
3C1F1S5	519.31	20.73	25.05	<.0001
3C1F2S1	520.13	7.69	67.61	<.0001
3C1F2S2	512.88	23.63	21.71	<.0001
3C1F2S3	637.57	13.88	45.93	<.0001
3C1F2S4	733.68	21.95	33.42	<.0001
3C1F2S5	775.27	13.6	57.01	<.0001
3C1F3S1	821.92	11.15	73.7	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
3C1F3S2	839.91	46.54	18.05	<.0001
3C1F3S3	891.98	25.42	35.08	<.0001
3C1F3S4	893.78	43.8	20.41	<.0001
3C1F3S5	1015.31	24.29	41.8	<.0001
3C2F1S1	222.22	7.8	28.49	<.0001
3C2F1S2	203.8	36.14	5.64	<.0001
3C2F1S3	349.37	21.8	16.02	<.0001
3C2F1S4	407.45	37.77	10.79	<.0001
3C2F1S5	552.36	22.43	24.63	<.0001
3C2F2S1	504.93	7.33	68.87	<.0001
3C2F2S2	532.41	21.49	24.77	<.0001
3C2F2S3	617.46	13.14	47	<.0001
3C2F2S4	644.3	21.15	30.47	<.0001
3C2F2S5	735.92	12.97	56.76	<.0001
3C2F3S1	850.54	9.63	88.34	<.0001
3C2F3S2	941.42	38.03	24.75	<.0001
3C2F3S3	943.47	21.2	44.51	<.0001
3C2F3S4	963.17	35.35	27.25	<.0001
3C2F3S5	986.36	20.98	47.02	<.0001
3C3F1S1	489.23	8.45	57.9	<.0001
3C3F1S2	634.77	48.95	12.97	<.0001
3C3F1S3	663.08	29.12	22.77	<.0001
3C3F1S4	753.28	53.89	13.98	<.0001
3C3F1S5	770.07	33.02	23.32	<.0001
3C3F2S1	831.49	7.55	110.06	<.0001
3C3F2S2	899.66	24.48	36.76	<.0001
3C3F2S3	954.53	14.92	63.96	<.0001
3C3F2S4	1085.97	24.26	44.76	<.0001
3C3F2S5	1012.88	15.23	66.5	<.0001
3C3F3S1	1217.04	8.54	142.55	<.0001
3C3F3S2	1205.44	30.36	39.71	<.0001
3C3F3S3	1285.12	18.39	69.87	<.0001
3C3F3S4	1367.31	31.86	42.91	<.0001
3C3F3S5	1295.44	18.55	69.85	<.0001
4C1F1S1	622.11	29.44	21.13	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$869.71)			
	Coefficient	St. Error	T-Value	P-Value
4C1F1S2	700.95	31.98	21.92	<.0001
4C1F1S3	775.17	47.13	16.45	<.0001
4C1F2S1	841.76	18.73	44.95	<.0001
4C1F2S2	871.55	19.81	43.98	<.0001
4C1F2S3	943.72	28.03	33.66	<.0001
4C1F3S1	1123.8	56.09	20.04	<.0001
4C1F3S2	1337.42	58.65	22.8	<.0001
4C1F3S3	1178.2	79.65	14.79	<.0001
4C2F1S1	991.46	21.39	46.35	<.0001
4C2F1S2	1016.68	25.51	39.86	<.0001
4C2F1S3	1093.27	37.39	29.24	<.0001
4C2F2S1	1148.05	12.23	93.88	<.0001
4C2F2S2	1197.86	13.71	87.39	<.0001
4C2F2S3	1323.73	18.57	71.29	<.0001
4C2F3S1	1588.84	34.9	45.53	<.0001
4C2F3S2	1650.01	38.73	42.6	<.0001
4C2F3S3	1648.06	50.16	32.86	<.0001
4C3F1S1	1415.94	24.43	57.97	<.0001
4C3F1S2	1383.99	28.98	47.75	<.0001
4C3F1S3	1561.82	40.91	38.18	<.0001
4C3F2S1	1671.37	11.79	141.8	<.0001
4C3F2S2	1727.22	13.24	130.41	<.0001
4C3F2S3	1837.82	17.36	105.88	<.0001
4C3F3S1	2024.25	23.36	86.65	<.0001
4C3F3S2	2073.89	25.35	81.8	<.0001
4C3F3S3	2126.8	33.94	62.66	<.0001
5C1F1S1	1377.44	16.42	83.89	<.0001
5C1F2S1	1546.3	10.78	143.43	<.0001
5C1F3S1	1776.87	12.84	138.36	<.0001
5C2F1S1	1488.8	14.13	105.34	<.0001
5C2F2S1	1706.22	9.02	189.21	<.0001
5C2F3S1	1960.71	9.31	210.7	<.0001
5C3F1S1	1818.95	16.47	110.47	<.0001
5C3F2S1	2095.5	9.06	231.27	<.0001
5C3F3S1	2258.61	8.35	270.5	<.0001
This color shading indicates statistically not significant at the 5% level.				

Table 23. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, and Groups 1-6 Variables

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value
N	1,935,897			
R-Squared	0.186			
Root MSE	1,059.74			
Constant	116.8	7.62	15.33	<.0001
Dual Proportion	-464.39	4.89	-94.93	<.0001
Group 1: Variables Already in the Payment System				
Intravenous Therapy At Home	-59.37	5.96	-9.96	<.0001
Parenteral Nutrition	-151.01	23.31	-6.48	<.0001
Enteral Nutrition	-57.82	7.53	-7.68	<.0001
Unhealed Stage 2 Pressure Ulcer	-60.82	5.58	-10.9	<.0001
Traumatic Wounds	-153.92	13.4	-11.49	<.0001
Ulcer	-226.23	4.46	-50.71	<.0001
Dyspneic: When At Rest	-61.1	5.07	-12.05	<.0001
Dyspneic: With Moderate Exertion	-63.43	1.87	-33.91	<.0001
Dyspneic: With Minimal Exertion	-72.02	2.55	-28.28	<.0001
Bathing: Able To Bathe With Use Of Devices	10.78	4.42	2.44	0.01
Bathing: Needs Assistance	-27.51	4.81	-5.72	<.0001
Bathing: Needs Assistance Throughout	-99.03	4.98	-19.9	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-51.17	5.52	-9.27	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-129.34	5.52	-23.44	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-163.67	6.73	-24.32	<.0001
Toilet Transferring: Totally Dependent	-26.01	5.36	-4.85	<.0001
Ambulation: Requires Assistance	155.32	2.03	76.36	<.0001
Transferring: Bedfast, Able To Position	-50.04	10.36	-4.83	<.0001
Bowel Incontinence Rare	-24.57	3.27	-7.52	<.0001
Bowel Incontinence Frequent	11.8	4.53	2.61	0.01
Ostomy	62.6	6.11	10.25	<.0001
Group 2: Median HH Income by ZIP				
Median Household Income by ZIP Quartile 2	4.07	2.28	1.79	0.07
Median Household Income by ZIP Quartile 3	15.36	2.24	6.87	<.0001
Median Household Income by ZIP Quartile 4	49.78	2.12	23.43	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value
Group 3: Post-Acute Admissions in the Past 14 Days				
Post-Acute Admissions	-108.02	1.78	-60.69	<.0001
Group 4: HCC Quartiles				
HCC Score Quartile 2	-18.26	2.11	-8.64	<.0001
HCC Score Quartile 3	-48.7	2.19	-22.26	<.0001
HCC Score Quartile 4	-81.36	2.3	-35.32	<.0001
Group 5: Poor Control of Conditions				
Cardiac Dysrhythmia: Poorly Controlled	-92.08	4.14	-22.22	<.0001
Diabetes: Poorly Controlled	-122.2	2.62	-46.57	<.0001
Peripheral Vascular Disease: Poorly Controlled	-128.38	7.05	-18.22	<.0001
Pulmonary Disorder: Poorly Controlled	-148.86	11.41	-13.05	<.0001
Alzheimer's: Poorly Controlled	-44.31	6.41	-6.91	<.0001
Dementia: Poorly Controlled	-18.72	4.77	-3.93	<.0001
Heart Disease: Poorly Controlled	-92.13	8.59	-10.73	<.0001
Heart Failure: Poorly Controlled	-77.96	3.17	-24.59	<.0001
Hypertension: Poorly Controlled	-52.2	2.18	-23.96	<.0001
Musculoskeletal Connective Tissue: Poorly Controlled	33.21	2.59	12.81	<.0001
Neurological Disorder Not Alzheimer's: Poorly Controlled	26.72	5.28	5.06	<.0001
Psychiatric Disorder: Poorly Controlled	1.53	7.84	0.19	0.85
Stroke: Poorly Controlled	-42.53	4.23	-10.06	<.0001
Cancer: Poorly Controlled	-0.63	6.91	-0.09	0.93
Depression: Poorly Controlled	14.34	4.7	3.05	0
Group 6: Additional Condition Variables				
Open Lesion	-164.31	2.21	-74.3	<.0001
Speech Impairment	-94.67	1.83	-51.79	<.0001
Hearing Partially Or Severely Impaired	-16.25	1.64	-9.9	<.0001
On Oxygen	-68.51	2.79	-24.56	<.0001
Assistance Given: ADLs	125.62	2.55	49.35	<.0001
Assistance Given: IADLs	61.64	3.21	19.22	<.0001
Assistance Given: Medication Administration	102.31	2.59	39.44	<.0001
Assistance Given: Procedure or Treatments	146.44	2.41	60.72	<.0001
Temporary Health Risk Overall Status	-140.58	2.16	-65.22	<.0001
Fragile Serious Overall Status	-175.07	2.51	-69.66	<.0001
Urinary Incontinence or Catheter	-45.57	1.71	-26.68	<.0001
Urinary Tract Infection	-22.54	2.8	-8.05	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	333.02	14.97	22.25	<.0001
1C1F1S3	483.05	10.28	47.01	<.0001
1C1F1S4	611.57	17.27	35.42	<.0001
1C1F1S5	696.63	11.88	58.63	<.0001
1C1F2S1	217.76	8.06	27	<.0001
1C1F2S2	542.51	12.11	44.81	<.0001
1C1F2S3	682.38	8.52	80.05	<.0001
1C1F2S4	811.25	12.62	64.27	<.0001
1C1F2S5	888.27	9.05	98.18	<.0001
1C1F3S1	416.36	15.99	26.04	<.0001
1C1F3S2	747.18	32.66	22.88	<.0001
1C1F3S3	846.21	19.01	44.5	<.0001
1C1F3S4	939.14	32.76	28.67	<.0001
1C1F3S5	1035.56	19.51	53.09	<.0001
1C2F1S1	336.99	6.64	50.73	<.0001
1C2F1S2	473.27	14.31	33.07	<.0001
1C2F1S3	606.64	9.85	61.62	<.0001
1C2F1S4	718.01	16.59	43.27	<.0001
1C2F1S5	804.56	11.18	71.96	<.0001
1C2F2S1	569.13	6.76	84.24	<.0001
1C2F2S2	723.45	10.07	71.84	<.0001
1C2F2S3	826.25	7.56	109.31	<.0001
1C2F2S4	932.72	10.36	90.07	<.0001
1C2F2S5	991.84	7.84	126.48	<.0001
1C2F3S1	799.67	9.85	81.18	<.0001
1C2F3S2	898.39	21.42	41.94	<.0001
1C2F3S3	987.69	13.04	75.77	<.0001
1C2F3S4	1080.77	20.86	51.81	<.0001
1C2F3S5	1113.66	13.39	83.15	<.0001
1C3F1S1	632.73	6.49	97.47	<.0001
1C3F1S2	603.81	18.09	33.38	<.0001
1C3F1S3	710.18	11.91	59.65	<.0001
1C3F1S4	809.83	20.59	39.33	<.0001
1C3F1S5	879.02	13.66	64.34	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value
1C3F2S1	931.38	6.56	141.87	<.0001
1C3F2S2	907.04	10.7	84.76	<.0001
1C3F2S3	988.89	7.9	125.1	<.0001
1C3F2S4	1083.67	10.97	98.78	<.0001
1C3F2S5	1137.88	8.18	139.06	<.0001
1C3F3S1	1197.62	7.96	150.37	<.0001
1C3F3S2	1120.91	17.63	63.58	<.0001
1C3F3S3	1165.36	11.28	103.36	<.0001
1C3F3S4	1227.01	17.96	68.33	<.0001
1C3F3S5	1271.76	11.7	108.66	<.0001
2C1F1S1	716.64	19.55	36.66	<.0001
2C1F1S2	765.42	22.89	33.44	<.0001
2C1F1S3	876.97	30.3	28.94	<.0001
2C1F2S1	932.6	13.48	69.2	<.0001
2C1F2S2	952.23	15.22	62.55	<.0001
2C1F2S3	967.77	18.81	51.44	<.0001
2C1F3S1	1026.6	21.86	46.97	<.0001
2C1F3S2	1052.63	23.35	45.08	<.0001
2C1F3S3	1009.72	27.97	36.1	<.0001
2C2F1S1	996	11.62	85.71	<.0001
2C2F1S2	1049.99	13.64	76.99	<.0001
2C2F1S3	1085.57	17.85	60.81	<.0001
2C2F2S1	1228.77	8.41	146.19	<.0001
2C2F2S2	1284.04	9.2	139.58	<.0001
2C2F2S3	1295.03	10.78	120.18	<.0001
2C2F3S1	1316.33	12.15	108.38	<.0001
2C2F3S2	1366.91	13.18	103.72	<.0001
2C2F3S3	1378.8	15.59	88.42	<.0001
2C3F1S1	1362.14	15.82	86.09	<.0001
2C3F1S2	1330.92	18.93	70.31	<.0001
2C3F1S3	1364.78	25.42	53.69	<.0001
2C3F2S1	1655.33	9.13	181.38	<.0001
2C3F2S2	1655.46	10.21	162.07	<.0001
2C3F2S3	1669.54	11.95	139.76	<.0001
2C3F3S1	1726.16	11.48	150.3	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value
2C3F3S2	1788.94	12.49	143.18	<.0001
2C3F3S3	1776.39	14.37	123.63	<.0001
3C1F1S1	182.16	8.31	21.91	<.0001
3C1F1S2	261.48	36.99	7.07	<.0001
3C1F1S3	416.76	21.26	19.6	<.0001
3C1F1S4	452.47	35.2	12.85	<.0001
3C1F1S5	530.84	20.97	25.31	<.0001
3C1F2S1	518.84	7.74	67.03	<.0001
3C1F2S2	556.02	23.84	23.32	<.0001
3C1F2S3	657.81	13.94	47.18	<.0001
3C1F2S4	752.82	22.11	34.05	<.0001
3C1F2S5	791.49	13.6	58.19	<.0001
3C1F3S1	815.69	11.7	69.73	<.0001
3C1F3S2	843.59	48.08	17.55	<.0001
3C1F3S3	916.06	25.97	35.27	<.0001
3C1F3S4	892.17	44.25	20.16	<.0001
3C1F3S5	1029.53	24.68	41.71	<.0001
3C2F1S1	249.21	8.02	31.06	<.0001
3C2F1S2	256.08	37.46	6.84	<.0001
3C2F1S3	372.56	22.63	16.46	<.0001
3C2F1S4	445.19	38.72	11.5	<.0001
3C2F1S5	596.65	23.09	25.84	<.0001
3C2F2S1	559.99	7.36	76.09	<.0001
3C2F2S2	574.85	22.02	26.11	<.0001
3C2F2S3	658.16	13.35	49.3	<.0001
3C2F2S4	694.6	21.67	32.06	<.0001
3C2F2S5	780.54	13.05	59.79	<.0001
3C2F3S1	879.88	10.05	87.52	<.0001
3C2F3S2	983.09	38.75	25.37	<.0001
3C2F3S3	966.22	21.85	44.21	<.0001
3C2F3S4	992.86	36.57	27.15	<.0001
3C2F3S5	1026.93	21.44	47.9	<.0001
3C3F1S1	581.38	8.77	66.32	<.0001
3C3F1S2	721.72	50.89	14.18	<.0001
3C3F1S3	720.61	29.99	24.03	<.0001

Variables	OLS			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value
3C3F1S4	831.04	55.91	14.86	<.0001
3C3F1S5	848.48	34.57	24.54	<.0001
3C3F2S1	945.97	7.63	124.02	<.0001
3C3F2S2	991.06	25.13	39.43	<.0001
3C3F2S3	1052.97	15.14	69.54	<.0001
3C3F2S4	1172.21	24.95	46.99	<.0001
3C3F2S5	1093.27	15.6	70.08	<.0001
3C3F3S1	1308.35	8.74	149.72	<.0001
3C3F3S2	1289.72	30.99	41.61	<.0001
3C3F3S3	1379.56	18.86	73.13	<.0001
3C3F3S4	1452.2	32.59	44.56	<.0001
3C3F3S5	1384.15	18.97	72.96	<.0001
4C1F1S1	601.97	30.01	20.06	<.0001
4C1F1S2	665.04	32.89	20.22	<.0001
4C1F1S3	725.81	47.52	15.27	<.0001
4C1F2S1	861.42	18.8	45.82	<.0001
4C1F2S2	853.68	19.84	43.03	<.0001
4C1F2S3	921.5	28.03	32.87	<.0001
4C1F3S1	1164.34	57.4	20.29	<.0001
4C1F3S2	1368.85	59.75	22.91	<.0001
4C1F3S3	1184.95	78.59	15.08	<.0001
4C2F1S1	1014.61	21.95	46.22	<.0001
4C2F1S2	1018.29	26.51	38.41	<.0001
4C2F1S3	1069.93	38.91	27.5	<.0001
4C2F2S1	1175.85	12.34	95.31	<.0001
4C2F2S2	1207.68	13.91	86.79	<.0001
4C2F2S3	1330.85	18.95	70.22	<.0001
4C2F3S1	1627.05	35.67	45.61	<.0001
4C2F3S2	1670	39.03	42.79	<.0001
4C2F3S3	1684.29	50.69	33.23	<.0001
4C3F1S1	1485.38	25.32	58.67	<.0001
4C3F1S2	1449.77	30.77	47.11	<.0001
4C3F1S3	1583.16	43.73	36.2	<.0001
4C3F2S1	1729.54	11.97	144.5	<.0001
4C3F2S2	1765.46	13.59	129.92	<.0001

Variables	OLS			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$893.58)			
	Coefficient	St. Error	T-Value	P-Value
4C3F2S3	1860.4	17.86	104.19	<.0001
4C3F3S1	2053.04	24.09	85.22	<.0001
4C3F3S2	2117.3	26.14	80.99	<.0001
4C3F3S3	2175.01	35.28	61.65	<.0001
5C1F1S1	1352.26	15.78	85.71	<.0001
5C1F2S1	1534.85	10.31	148.87	<.0001
5C1F3S1	1789.11	12.39	144.38	<.0001
5C2F1S1	1497.73	13.68	109.46	<.0001
5C2F2S1	1718.17	8.65	198.69	<.0001
5C2F3S1	1990.02	9.03	220.46	<.0001
5C3F1S1	1867.19	16.12	115.82	<.0001
5C3F2S1	2142.07	8.7	246.21	<.0001
5C3F3S1	2320.61	8.12	285.81	<.0001
This color shading indicates statistically not significant at the 5% level.				

Table 24. Regression Model of Wage Index-Adjusted Margin on HHRG, Dual Proportion, Groups 1-6 Variables, and Other HHA Characteristics

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
N	1,902,714			
R-Squared	0.213			
Root MSE	1,042.80			
Constant	-929.60	54.38	-17.10	<.0001
Dual Proportion	-118.54	6.11	-19.39	<.0001
HHA Level Variables				
Case-mix Average	342.31	3.81	89.78	<.0001
Outlier Rate	-89.44	13.84	-6.46	<.0001
Rural Proportion	96.33	9.23	10.44	<.0001
Wage Index Quartile 2	48.19	2.44	19.74	<.0001
Wage Index Quartile 3	-54.54	2.61	-20.91	<.0001
Wage Index Quartile 4	51.92	2.89	17.94	<.0001
Size: 19 to 49 Episodes	195.75	54.95	3.56	0.00
Size: 50 to 99 Episodes	176.62	53.49	3.30	0.00
Size: 100 to 199 Episodes	189.46	53.27	3.56	0.00
Size: 200 Plus Episodes	279.79	53.21	5.26	<.0001
Beneficiary-Level Factors {Reference Category: Male, Under 65 years of age, White}				
Female	-12.99	1.71	-7.60	<.0001
Between 65 and 74 years of age	13.22	2.60	5.08	<.0001
Over 75 years of age	-3.95	2.54	-1.55	0.12
Black	-62.63	2.37	-26.42	<.0001
Other Race	-27.95	7.77	-3.60	0.00
Asian	-28.36	6.21	-4.57	<.0001
Hispanic	-19.07	4.20	-4.54	<.0001
Native American	-32.29	12.42	-2.60	0.01
Unknown	-27.48	21.82	-1.26	0.21
Community HCC {Reference Category: HCC Score Quartile 1}				
HCC Score Quartile 2	-7.62	2.13	-3.57	0.00
HCC Score Quartile 3	-29.64	2.25	-13.17	<.0001
HCC Score Quartile 4	-52.04	2.45	-21.22	<.0001
Public Assistance {Reference Category: Non-LIS Beneficiary, Not Dual Eligible or LIS Status}				
LIS Eligible	2.50	1.90	1.32	0.19
HHA-Level Factors {Reference Category: Voluntary Ownership, Provider Volume Quartile 1}				
Proprietary Ownership	53.47	2.39	22.37	<.0001

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Government Ownership	-90.47	8.42	-10.74	<.0001
Provider Volume Quartile 2	109.64	2.39	45.89	<.0001
Provider Volume Quartile 3	199.99	2.48	80.72	<.0001
Provider Volume Quartile 4	278.44	2.55	109.04	<.0001
Area-Level Factors {Reference Category: Non-HPSA County, Poverty Percentage Quartile 1, Median Household Income by ZIP Quartile 1}				
HPSA County	-45.50	2.60	-17.50	<.0001
Poverty Percentage Quartile 2	7.76	2.13	3.64	0.00
Poverty Percentage Quartile 3	-13.84	2.58	-5.37	<.0001
Poverty Percentage Quartile 4	-25.82	2.71	-9.52	<.0001
Median Household Income by ZIP Quartile 2	-13.39	2.35	-5.69	<.0001
Median Household Income by ZIP Quartile 3	-1.74	2.42	-0.72	0.47
Median Household Income by ZIP Quartile 4	22.79	2.53	9.01	<.0001
OASIS Variables				
Behavioral Problems {Reference Category: No or Minimal Behavioral Problem Frequency}				
Delusional Behavior	-2.62	7.08	-0.37	0.71
Impaired Decisions Behavior	-9.86	2.37	-4.17	<.0001
Memory Deficient Behavior	15.35	2.46	6.24	<.0001
Physically Aggressive Behavior	31.92	10.64	3.00	0.00
Socially Inappropriate Behavior	10.13	9.50	1.07	0.29
Verbal Disruptive Behavior	7.89	7.29	1.08	0.28
Behavioral Problem: Several Times A Month	-50.12	4.62	-10.84	<.0001
Behavioral Problem: Once A Month	27.98	9.47	2.96	0.00
At Least Weekly Behavioral Problems	15.57	2.83	5.50	<.0001
Impairments {Reference Category: No or minimal Cognitive Impairment, No or minimal Speech Impairment, No or minimal Understanding Impairment}				
Moderate Cognitive Impairment	2.59	3.12	0.83	0.41
Severe Cognitive Impairment	39.72	5.86	6.78	<.0001
Complete Cognitive Impairment	53.11	12.29	4.32	<.0001
Moderate Speech Impairment	-11.53	3.70	-3.12	0.00
Severe Speech Impairment	-47.18	6.78	-6.95	<.0001
Moderate Understanding Impairment	24.74	18.75	1.32	0.19
Severe Understanding Impairment	38.54	22.74	1.69	0.09
Dyspneic and Respiratory Problems (Reference Category: Not Dyspneic)				
Dyspneic: With Moderate Exertion	-32.30	1.90	-16.96	<.0001
Dyspneic: With Minimal Exertion	-27.68	2.64	-10.50	<.0001
Dyspneic: When At Rest	-28.16	5.16	-5.45	<.0001
Continuous Positive Airway Pressure Required	4.46	6.51	0.68	0.49
On Oxygen	-50.71	2.90	-17.47	<.0001
Ventilator	-10.43	29.25	-0.36	0.72

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Risks				
Risk: Alcoholism	0.87	5.50	0.16	0.87
Risk: Drugs	0.02	8.17	0.00	1.00
Risk: Obesity	-20.37	2.08	-9.81	<.0001
Risk: Smoking	-18.91	2.50	-7.58	<.0001
Hospitalization Risk: 5+ Medications	0.05	2.11	0.03	0.98
Hospitalization Risk: Frailty	-22.86	1.86	-12.28	<.0001
Hospitalization Risk: History Of Falls	18.08	1.79	10.08	<.0001
Hospitalization Risk: Multiple Hospitalization	-32.64	1.89	-17.25	<.0001
Hospitalization Risk: Other	-32.18	2.57	-12.50	<.0001
Hospitalization Risk: Recent Decline	-26.17	2.46	-10.62	<.0001
Overall Status {Reference Category: Stable Overall Status}				
Temporary Health Risk Overall Status	-95.75	2.18	-43.93	<.0001
Fragile Serious Overall Status	-116.73	2.64	-44.20	<.0001
Living Situation {Reference Category: Living Alone}				
Patient Living In Congregate Facility	140.26	3.08	45.51	<.0001
Patient Living With Others	60.56	1.85	32.74	<.0001
Verbal Understanding {Reference Category: Clearly Understands Verbal}				
Usually Understands Verbal	-22.03	1.93	-11.41	<.0001
Sometimes Or Never Understands Verbal	-35.31	18.78	-1.88	0.06
Vision and Hearing Impairments				
Vision Impairment	-25.30	1.83	-13.79	<.0001
Hearing Partially Or Severely Impaired	-45.91	1.89	-24.27	<.0001
Pain {Reference Category: No Pain}				
Minimum Pain	2.92	3.01	0.97	0.33
Daily Pain	12.17	2.18	5.59	<.0001
Constant Pain	34.52	3.15	10.98	<.0001
Ulcers and Lesions				
Unhealed Stage 2 Pressure Ulcer	-94.74	5.52	-17.15	<.0001
Stasis Ulcer Present	-100.15	6.42	-15.61	<.0001
Open Lesion	-171.18	2.22	-77.25	<.0001
Depression Screening {Reference Category: No Depression Screening}				
Depression Screening Not Applicable	30.54	9.69	3.15	0.00
Depression Screening Different Assessment Does Not Need Evaluation	-2.17	3.54	-0.61	0.54
Depression Screening Different Assessment Needs Evaluation	-64.72	5.04	-12.84	<.0001
Bathing {Reference Category: Able to Bathe Independently}				
Bathing: Able To Bathe With Use Of Devices	-5.32	4.69	-1.13	0.26
Bathing: Needs Assistance	-49.79	4.91	-10.15	<.0001

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Bathing: Needs Assistance Throughout	-132.79	5.11	-26.01	<.0001
Bathing: Bathed In Bed Or Bedside Chair Independently	-94.66	5.63	-16.83	<.0001
Bathing: Bathed In Bed Or Bedside Chair Needs Assistance	-160.30	5.66	-28.32	<.0001
Bathing: Unable To Effectively Bathe, Bathed Entirely By Another	-214.93	7.06	-30.43	<.0001
Toilet Transferring and Hygiene {Reference Category: Toilet Transferring Independently}				
Toilet Transferring: When Assisted	12.15	2.12	5.72	<.0001
Toilet Transferring: Unable To Transfer, Uses Commode	-68.99	4.90	-14.08	<.0001
Toilet Transferring: Uses Bedpan	-86.18	8.96	-9.62	<.0001
Toilet Transferring: Totally Dependent	-93.57	7.09	-13.20	<.0001
Toileting Hygiene: Able To Manage With Preparation	-35.54	2.16	-16.44	<.0001
Toileting Hygiene: Needs Assistance	-61.73	2.73	-22.62	<.0001
Toileting Hygiene: Totally Dependent	-61.19	5.23	-11.69	<.0001
Urinary Incontinence {Reference Category: Bowel Incontinence Never}				
Bowel Incontinence Rare	-18.89	3.26	-5.80	<.0001
Bowel Incontinence Frequent	10.54	4.65	2.26	0.02
Urinary Incontinence or Catheter	-45.32	1.76	-25.68	<.0001
Urinary Tract Infection	-18.36	2.81	-6.53	<.0001
Ostomy	25.08	6.14	4.09	<.0001
Transferring {Reference Category: Able to Transfer Independently}				
Transferring: Able To Transfer Minimal Assistance	5.05	2.78	1.82	0.07
Transferring: Able To Bear Weight	20.47	4.02	5.09	<.0001
Transferring: Unable To Transfer	8.63	6.16	1.40	0.16
Transferring: Bedfast, Able To Position	-17.44	12.04	-1.45	0.15
Transferring: Bedfast, Unable To Position	2.16	11.17	0.19	0.85
Ambulation {Reference Category: Able to Ambulate Independently}				
Ambulation: Requires One-Hand Device	20.94	4.21	4.98	<.0001
Ambulation: Requires Two-Handed Device	26.21	4.25	6.17	<.0001
Ambulation: Requires Assistance	147.99	4.69	31.58	<.0001
Ambulation: Chair fast, Can Wheel Self	-33.84	6.38	-5.30	<.0001
Ambulation: Chair fast, Cannot Wheel Self	60.52	7.44	8.14	<.0001
Ambulation: Unable To Sit In A Chair	27.83	12.91	2.16	0.03
Fall Risk				
Fall Risk: Is A Risk	-9.22	3.49	-2.65	0.01
Fall Risk: Not a Risk	-24.73	3.91	-6.33	<.0001
Oral Medication Management {Reference Category: Oral Medication Management: Independent}				
Oral Medication Management: Minimal Assistance	-35.45	2.10	-16.89	<.0001

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Oral Medication Management: Moderate Assistance Needed	-21.60	2.81	-7.68	<.0001
Oral Medication Management: Dependent	13.89	3.00	4.63	<.0001
Oral Medication Management: NA	-9.19	9.56	-0.96	0.34
Types of Assistance Given				
Psychiatric Nursing Services At Home	-88.66	6.26	-14.17	<.0001
Assistance Given: ADLs	111.21	2.55	43.67	<.0001
Assistance Given: IADLs	38.76	3.21	12.07	<.0001
Assistance Given: Medication Administration	63.41	2.62	24.16	<.0001
Assistance Given: Procedure or Treatments	171.59	2.45	69.99	<.0001
Therapies Patient Receives at Home (Reference Category: Neither Intravenous, Parenteral, or Enteral Nutrition received at Home)				
Intravenous Therapy At Home	-108.67	6.02	-18.04	<.0001
Parenteral Nutrition	-192.22	23.52	-8.17	<.0001
Enteral Nutrition	-125.80	8.10	-15.53	<.0001
Cluster Variables				
Post-acute Restorative Care	-14.60	3.77	-3.87	0.00
Community Admissions Other	83.50	2.94	28.38	<.0001
Post-Acute Clinically Complex	-107.68	2.64	-40.75	<.0001
Post-Acute Other	-32.15	3.93	-8.18	<.0001
Diagnoses and Severity (Reference Category: Diagnosis Asymptomatic)				
Acute Myocardial Infarction: Well Controlled	-29.91	4.72	-6.33	<.0001
Acute Myocardial Infarction: Controlled with Difficulty	-33.11	2.59	-12.79	<.0001
Acute Myocardial Infarction: Poorly Controlled	-10.60	3.78	-2.80	0.01
Alzheimer's: Well Controlled	-50.45	11.32	-4.46	<.0001
Alzheimer's: Controlled with Difficulty	-38.87	4.97	-7.82	<.0001
Alzheimer's: Poorly Controlled	-42.43	6.53	-6.49	<.0001
Cancer: Well Controlled	82.11	23.52	3.49	0.00
Cancer: Controlled with Difficulty	25.69	8.39	3.06	0.00
Cancer: Poorly Controlled	34.61	7.09	4.88	<.0001
Cardiac Dysthymia: Well Controlled	-48.33	6.04	-8.01	<.0001
Cardiac Dysthymia: Controlled with Difficulty	-105.26	3.16	-33.35	<.0001
Cardiac Dysthymia: Poorly Controlled	-95.96	4.23	-22.70	<.0001
Chronic Hepatic Renal Disease: Well Controlled	-11.19	8.43	-1.33	0.18
Chronic Hepatic Renal Disease: Controlled with Difficulty	-2.34	4.01	-0.58	0.56
Chronic Hepatic Renal Disease: Poorly Controlled	42.50	5.23	8.12	<.0001
Chronic Pulmonary: Well Controlled	11.55	5.35	2.16	0.03
Chronic Pulmonary: Controlled with Difficulty	-9.98	2.72	-3.67	0.00

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Chronic Pulmonary: Poorly Controlled	15.28	3.44	4.45	<.0001
Dementia: Well Controlled	34.89	7.28	4.79	<.0001
Dementia: Controlled with Difficulty	-29.58	3.52	-8.41	<.0001
Dementia: Poorly Controlled	-28.25	5.00	-5.65	<.0001
Depression: Well Controlled	40.92	5.41	7.57	<.0001
Depression: Controlled with Difficulty	11.47	3.06	3.74	0.00
Depression: Poorly Controlled	18.95	4.83	3.92	<.0001
Diabetes: Well Controlled	88.38	4.07	21.72	<.0001
Diabetes: Controlled with Difficulty	-61.74	2.24	-27.61	<.0001
Diabetes: Poorly Controlled	-94.27	2.90	-32.54	<.0001
Heart Disease: Well Controlled	-51.44	13.27	-3.88	0.00
Heart Disease: Controlled with Difficulty	-51.74	6.73	-7.69	<.0001
Heart Disease: Poorly Controlled	-57.54	8.58	-6.71	<.0001
Heart Failure: Well Controlled	-14.46	6.03	-2.40	0.02
Heart Failure: Controlled with Difficulty	-58.97	2.79	-21.10	<.0001
Heart Failure: Poorly Controlled	-46.97	3.31	-14.18	<.0001
Hypertension: Well Controlled	76.72	2.90	26.45	<.0001
Hypertension: Controlled with Difficulty	-25.57	2.02	-12.69	<.0001
Hypertension: Poorly Controlled	-23.82	2.69	-8.86	<.0001
Musculoskeletal Connective Tissue: Well Controlled	31.05	4.24	7.32	<.0001
Musculoskeletal Connective Tissue: Poorly Controlled	82.70	2.99	27.62	<.0001
Musculoskeletal Connective Tissue: Controlled with Difficulty	11.39	2.18	5.23	<.0001
Neurological Disorder Not Alzheimer's: Well Controlled	-20.59	10.95	-1.88	0.06
Neurological Disorder Not Alzheimer's: Controlled with Difficulty	30.68	4.53	6.77	<.0001
Neurological Disorder Not Alzheimer's: Poorly Controlled	61.72	5.47	11.29	<.0001
Peripheral Vascular Disease: Well Controlled	-111.22	11.92	-9.33	<.0001
Peripheral Vascular Disease: Controlled with Difficulty	-93.50	5.32	-17.57	<.0001
Peripheral Vascular Disease: Poorly Controlled	-93.85	7.06	-13.30	<.0001
Psychiatric Disorder: Well Controlled	-6.39	11.99	-0.53	0.59
Psychiatric Disorder: Controlled with Difficulty	-10.08	6.51	-1.55	0.12
Psychiatric Disorder: Poorly Controlled	29.86	8.32	3.59	0.00
Pulmonary Disorder: Well Controlled	-125.63	25.00	-5.03	<.0001
Pulmonary Disorder: Controlled with Difficulty	-133.11	10.48	-12.70	<.0001
Pulmonary Disorder: Poorly Controlled	-120.22	11.38	-10.56	<.0001
Stroke: Well Controlled	29.84	9.52	3.14	0.00

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
Stroke: Controlled with Difficulty	18.23	3.77	4.84	<.0001
Stroke: Poorly Controlled	12.34	4.42	2.79	0.01
Ulcer: Well Controlled	-83.38	16.69	-5.00	<.0001
Ulcer: Controlled with Difficulty	-171.33	5.58	-30.73	<.0001
Ulcer: Poorly Controlled	-191.34	5.73	-33.37	<.0001
Surgical Procedure	140.86	2.03	69.27	<.0001
Traumatic Wounds: Well Controlled	-80.11	62.65	-1.28	0.20
Traumatic Wounds: Controlled with Difficulty	-214.82	20.14	-10.67	<.0001
Traumatic Wounds: Poorly Controlled	-256.65	19.34	-13.27	<.0001
HHRGs {Reference Category: 1C1F1S1}				
1C1F1S2	260.50	14.94	17.44	<.0001
1C1F1S3	408.92	10.25	39.89	<.0001
1C1F1S4	529.72	17.14	30.90	<.0001
1C1F1S5	616.06	11.84	52.04	<.0001
1C1F2S1	173.04	8.22	21.06	<.0001
1C1F2S2	462.27	12.20	37.89	<.0001
1C1F2S3	590.43	8.70	67.90	<.0001
1C1F2S4	708.15	12.69	55.81	<.0001
1C1F2S5	779.91	9.21	84.69	<.0001
1C1F3S1	429.52	16.69	25.73	<.0001
1C1F3S2	706.07	32.96	21.42	<.0001
1C1F3S3	814.48	19.52	41.73	<.0001
1C1F3S4	916.03	32.92	27.83	<.0001
1C1F3S5	1003.09	19.87	50.48	<.0001
1C2F1S1	348.78	6.63	52.59	<.0001
1C2F1S2	429.63	14.26	30.12	<.0001
1C2F1S3	557.18	9.85	56.56	<.0001
1C2F1S4	669.92	16.52	40.54	<.0001
1C2F1S5	744.99	11.16	66.74	<.0001
1C2F2S1	544.79	6.99	77.96	<.0001
1C2F2S2	660.76	10.21	64.69	<.0001
1C2F2S3	757.28	7.79	97.23	<.0001
1C2F2S4	857.31	10.49	81.74	<.0001
1C2F2S5	906.49	8.07	112.35	<.0001
1C2F3S1	828.76	10.81	76.69	<.0001
1C2F3S2	888.54	21.85	40.66	<.0001
1C2F3S3	987.45	13.76	71.78	<.0001
1C2F3S4	1071.30	21.28	50.34	<.0001
1C2F3S5	1095.05	14.07	77.82	<.0001

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
1C3F1S1	632.25	6.57	96.29	<.0001
1C3F1S2	584.05	18.04	32.37	<.0001
1C3F1S3	683.19	11.92	57.33	<.0001
1C3F1S4	784.38	20.45	38.35	<.0001
1C3F1S5	844.49	13.64	61.90	<.0001
1C3F2S1	910.21	6.91	131.79	<.0001
1C3F2S2	863.48	10.89	79.26	<.0001
1C3F2S3	940.88	8.20	114.80	<.0001
1C3F2S4	1031.02	11.15	92.43	<.0001
1C3F2S5	1073.82	8.47	126.81	<.0001
1C3F3S1	1232.04	9.20	133.93	<.0001
1C3F3S2	1146.95	18.22	62.94	<.0001
1C3F3S3	1185.09	12.18	97.31	<.0001
1C3F3S4	1239.89	18.50	67.01	<.0001
1C3F3S5	1276.59	12.58	101.48	<.0001
2C1F1S1	611.79	19.42	31.50	<.0001
2C1F1S2	656.08	22.70	28.90	<.0001
2C1F1S3	743.25	29.93	24.83	<.0001
2C1F2S1	806.37	13.53	59.61	<.0001
2C1F2S2	823.39	15.23	54.07	<.0001
2C1F2S3	836.93	18.79	44.55	<.0001
2C1F3S1	954.25	22.01	43.36	<.0001
2C1F3S2	966.35	23.47	41.18	<.0001
2C1F3S3	914.43	28.01	32.65	<.0001
2C2F1S1	908.67	11.60	78.35	<.0001
2C2F1S2	957.77	13.58	70.53	<.0001
2C2F1S3	970.82	17.74	54.74	<.0001
2C2F2S1	1124.30	8.60	130.67	<.0001
2C2F2S2	1168.80	9.37	124.73	<.0001
2C2F2S3	1171.19	10.91	107.39	<.0001
2C2F3S1	1252.84	12.57	99.70	<.0001
2C2F3S2	1291.72	13.58	95.11	<.0001
2C2F3S3	1290.11	15.89	81.18	<.0001
2C3F1S1	1295.06	15.76	82.16	<.0001
2C3F1S2	1261.24	18.81	67.04	<.0001
2C3F1S3	1278.26	25.27	50.58	<.0001
2C3F2S1	1574.51	9.37	168.11	<.0001
2C3F2S2	1562.97	10.41	150.12	<.0001
2C3F2S3	1568.43	12.09	129.71	<.0001

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
2C3F3S1	1691.97	12.07	140.21	<.0001
2C3F3S2	1742.33	13.04	133.57	<.0001
2C3F3S3	1719.58	14.84	115.86	<.0001
3C1F1S1	246.81	8.30	29.74	<.0001
3C1F1S2	240.45	36.77	6.54	<.0001
3C1F1S3	389.25	21.08	18.47	<.0001
3C1F1S4	442.26	34.91	12.67	<.0001
3C1F1S5	526.07	20.79	25.31	<.0001
3C1F2S1	545.26	7.94	68.68	<.0001
3C1F2S2	527.13	23.76	22.19	<.0001
3C1F2S3	619.32	13.96	44.35	<.0001
3C1F2S4	725.54	22.02	32.95	<.0001
3C1F2S5	757.50	13.63	55.56	<.0001
3C1F3S1	904.81	12.51	72.31	<.0001
3C1F3S2	867.48	47.91	18.10	<.0001
3C1F3S3	946.34	26.21	36.10	<.0001
3C1F3S4	945.04	44.22	21.37	<.0001
3C1F3S5	1053.10	24.93	42.25	<.0001
3C2F1S1	292.80	8.07	36.28	<.0001
3C2F1S2	248.51	37.06	6.71	<.0001
3C2F1S3	350.65	22.51	15.58	<.0001
3C2F1S4	426.35	38.33	11.12	<.0001
3C2F1S5	574.44	22.88	25.10	<.0001
3C2F2S1	572.87	7.64	74.99	<.0001
3C2F2S2	546.59	21.98	24.86	<.0001
3C2F2S3	620.43	13.43	46.20	<.0001
3C2F2S4	667.04	21.58	30.91	<.0001
3C2F2S5	738.61	13.13	56.27	<.0001
3C2F3S1	950.92	11.04	86.14	<.0001
3C2F3S2	1016.01	38.74	26.23	<.0001
3C2F3S3	995.26	22.23	44.77	<.0001
3C2F3S4	1028.00	36.54	28.13	<.0001
3C2F3S5	1052.00	21.80	48.25	<.0001
3C3F1S1	592.61	8.84	67.05	<.0001
3C3F1S2	699.98	50.57	13.84	<.0001
3C3F1S3	690.39	29.72	23.23	<.0001
3C3F1S4	817.96	55.43	14.76	<.0001
3C3F1S5	825.97	34.18	24.17	<.0001
3C3F2S1	936.17	7.95	117.80	<.0001

Variables	Full Model With Dual Proportion			
	Dependent Variable			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
3C3F2S2	955.67	25.01	38.21	<.0001
3C3F2S3	1013.94	15.21	66.68	<.0001
3C3F2S4	1123.32	24.80	45.30	<.0001
3C3F2S5	1045.19	15.63	66.88	<.0001
3C3F3S1	1355.40	9.92	136.65	<.0001
3C3F3S2	1311.16	31.32	41.86	<.0001
3C3F3S3	1405.25	19.37	72.55	<.0001
3C3F3S4	1486.62	32.84	45.27	<.0001
3C3F3S5	1402.74	19.46	72.09	<.0001
4C1F1S1	526.11	29.67	17.73	<.0001
4C1F1S2	583.68	32.60	17.90	<.0001
4C1F1S3	618.71	47.03	13.16	<.0001
4C1F2S1	788.59	18.74	42.08	<.0001
4C1F2S2	752.56	19.74	38.13	<.0001
4C1F2S3	810.81	27.77	29.20	<.0001
4C1F3S1	1154.13	57.20	20.18	<.0001
4C1F3S2	1325.92	59.77	22.18	<.0001
4C1F3S3	1113.09	78.58	14.16	<.0001
4C2F1S1	976.25	21.73	44.93	<.0001
4C2F1S2	969.90	26.26	36.93	<.0001
4C2F1S3	967.12	38.38	25.20	<.0001
4C2F2S1	1137.92	12.42	91.61	<.0001
4C2F2S2	1145.46	13.96	82.06	<.0001
4C2F2S3	1238.43	18.88	65.58	<.0001
4C2F3S1	1630.98	35.73	45.65	<.0001
4C2F3S2	1638.06	38.93	42.07	<.0001
4C2F3S3	1642.12	50.38	32.60	<.0001
4C3F1S1	1450.19	25.11	57.74	<.0001
4C3F1S2	1403.11	30.47	46.05	<.0001
4C3F1S3	1482.34	43.34	34.20	<.0001
4C3F2S1	1694.51	12.14	139.61	<.0001
4C3F2S2	1709.15	13.69	124.84	<.0001
4C3F2S3	1781.73	17.86	99.78	<.0001
4C3F3S1	2076.71	24.57	84.51	<.0001
4C3F3S2	2110.35	26.46	79.74	<.0001
4C3F3S3	2156.62	35.43	60.87	<.0001
5C1F1S1	1215.28	15.69	77.48	<.0001
5C1F2S1	1384.21	10.45	132.40	<.0001
5C1F3S1	1667.06	12.75	130.73	<.0001

Variables	Full Model With Dual Proportion			
	<i>Dependent Variable</i>			
	Adjusted Payment Minus Cost (Mean \$892.88)			
	Coefficient	St. Error	T-Value	P-Value
5C2F1S1	1380.70	13.65	101.16	<.0001
5C2F2S1	1577.34	8.88	177.72	<.0001
5C2F3S1	1882.70	9.51	197.89	<.0001
5C3F1S1	1776.43	16.09	110.41	<.0001
5C3F2S1	2027.20	8.99	225.37	<.0001
5C3F3S1	2248.10	8.86	253.69	<.0001
This color shading indicates statistically not significant at the 5% level.				

APPENDIX G: OUTLIER ANALYSIS FINDINGS

Table 25. Summary Statistics of Demographic Variables for Outlier Episodes

Benchmark	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
HCC score													
1st quintile	11936	2033	617,827	1.93%	0.669	0.665	-2434.782	2186.474	-2464.09	2168.2	41.49%	51.68%	6.84%
2nd quintile	11931	2058	616,735	1.93%	0.694	0.686	-2472.9	2466.455	-2522.64	2431.4	42.15%	50.04%	7.81%
3rd quintile	11933	2185	615,350	1.94%	0.699	0.691	-2430.489	2292.748	-2487.30	2260	42.51%	48.85%	8.64%
4th quintile	11932	2323	616,720	1.93%	0.705	0.697	-2426.453	2321.693	-2479.47	2277.3	42.41%	48.89%	8.70%
5th quintile	11924	2678	616,399	1.93%	0.695	0.688	-2445.228	2148.937	-2487.35	2119.6	44.15%	47.60%	8.24%
Age													
Under age 65	11751	2285	460,310	2.55%	0.684	0.678	-2453.96	2212.179	-2491.54	2180.3	42.94%	49.20%	7.85%
65 years and older	47905	3671	2,622,745	1.83%	0.694	0.687	-2439.027	2303.749	-2487.34	2271.6	42.44%	49.46%	8.09%
Original Medicare Status													
Old age and survivors insurance beneficiary	36000	3368	2,260,294	1.59%	0.695	0.687	-2422.622	2283.95	-2471.41	2248.7	42.42%	49.27%	8.31%
Disability insurance beneficiary	16868	2677	789,319	2.14%	0.686	0.681	-2496.851	2295.499	-2532.50	2274.1	42.94%	49.70%	7.36%
End stage renal disease beneficiary	463	231	16,611	2.79%	0.693	0.679	-2364.415	2069.572	-2468.53	2045.7	43.63%	48.16%	8.21%
Both end stage renal and disability	130	82	4,971	2.62%	0.658	0.647	-2414.184	1781.804	-2515.42	1801.6	44.62%	46.92%	8.46%

Benchmark	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Old age and end stage renal disease	52	37	2,649	1.96%	0.626	0.623	-3514.223	2520.675	-3522.11	2506.2	61.54%	34.62%	3.85%
Minority													
American Indian/Alaska Native	465	120	15,359	3.03%	0.692	0.690	-2619.737	2249.764	-2640.90	2246.3	40.86%	54.19%	4.95%
Asian	684	165	44,840	1.53%	0.710	0.698	-2700.52	2291.455	-2765.77	2254.5	56.14%	31.73%	12.13%
African American	8687	1581	571,769	1.52%	0.703	0.694	-2311.732	2087.179	-2367.88	2054.4	40.15%	50.73%	9.12%
Hispanic	4938	703	142,817	3.46%	0.730	0.724	-2405.844	2664.546	-2445.55	2637.3	42.73%	44.96%	12.31%
Native Hawaiian or Pacific Islander	838	294	28,878	2.90%	0.698	0.694	-2452.516	2262.541	-2473.77	2229.5	47.14%	42.84%	10.02%
Status - Medicaid													
Medicaid State Buy in for Part-B During Episode	4882	1157	455,423	1.07%	0.718	0.711	-2403.157	2392.31	-2448.80	2368.8	42.01%	47.85%	10.14%
No State Buy-in for Part B	48887	3771	2,319,327	2.11%	0.689	0.683	-2449.941	2272.822	-2494.97	2241.4	42.68%	49.51%	7.81%
Beneficiary Located in:													
Metropolitan county	48628	3309	2,353,306	2.07%	0.702	0.695	-2429.244	2340.531	-2476.71	2307	42.74%	48.14%	9.12%

Benchmark	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
County adjacent to a metropolitan county and more than 2,500 residents in county	8118	1280	505,582	1.61%	0.647	0.643	-2535.526	2061.001	-2568.97	2041	42.49%	54.29%	3.23%
County not adjacent to a metropolitan county or county with fewer than 2,500 residents	2910	779	224,167	1.30%	0.651	0.643	-2393.612	1926.377	-2454.14	1887.8	39.35%	57.08%	3.57%
County HPSA status													
Beneficiary located in: HPSA	54267	3713	2,658,062	2.04%	0.693	0.686	-2449.064	2304.596	-2494.55	2272.2	42.95%	48.79%	8.26%
Beneficiary Located in Counties with:													
Greater than 26.3 percent of total population living in poverty	4945	240	172,359	2.87%	0.672	0.665	-2679.075	1891.571	-2726.75	1861.2	52.54%	42.45%	5.02%
Greater than 17.2 percent of total population living in poverty	8731	1079	692,443	1.26%	0.678	0.674	-2304.53	2105.968	-2331.37	2084.8	36.30%	58.22%	5.49%

Benchmark	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Greater than 12.1 percent of total population living in poverty	24838	2188	1,284,444	1.93%	0.699	0.690	-2484.162	2532.501	-2541.45	2484.5	43.19%	47.49%	9.32%
Less than 12.1 percent poverty	20723	1940	933,809	2.22%	0.695	0.690	-2397.155	2128.913	-2438.38	2112.4	42.19%	49.49%	8.32%
Admission Status													
Post-Acute Status	14027	2513	657,517	2.13%	0.655	0.650	-2520.304	1991.668	-2553.09	1968.6	46.12%	48.01%	5.87%
Not Post-Acute	27961	3315	1,226,619	2.28%	0.692	0.686	-2394.293	2256.55	-2439.33	2224.3	41.72%	49.89%	8.39%

Table 26. Summary Statistics of Functioning Variables for Outlier Episodes

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Grooming													
Able to groom unaided	12765	2552	473,172	2.70%	0.664	0.659	-2340.60	2000.40	-2376.91	1973.63	40.51%	52.78%	6.71%
Needs some assistance	16451	2706	730,034	2.25%	0.682	0.676	-2458.99	2248.21	-2500.18	2223.93	42.99%	49.63%	7.38%
Is dependent on human assistance	12892	2404	507,580	2.54%	0.700	0.692	-2483.09	2370.84	-2540.69	2325.21	44.24%	47.11%	8.65%
Unknown	6041	1604	175,975	3.43%	0.706	0.701	-2486.25	2232.61	-2516.14	2218.45	44.93%	46.12%	8.96%
Dressing													
Able to dress unaided	12697	2519	581,392	2.18%	0.672	0.666	-2360.97	2092.37	-2397.02	2069.84	40.28%	52.71%	7.01%
Needs some assistance	18636	2842	1,146,853	1.62%	0.687	0.681	-2464.89	2340.48	-2509.01	2312.51	41.92%	50.71%	7.37%
Is dependent on human assistance	19439	2771	992,247	1.96%	0.702	0.694	-2470.22	2351.29	-2525.20	2308.93	44.13%	47.02%	8.84%
Unknown	8372	1902	324,542	2.58%	0.712	0.706	-2450.92	2282.19	-2496.36	2250.92	43.76%	47.03%	9.21%
Bathing													
Able to bathe independently	2522	1132	102,402	2.46%	0.673	0.667	-2278.40	2030.16	-2313.46	2008.75	38.38%	54.04%	7.57%
With devices is independent	6371	1851	348,763	1.83%	0.678	0.672	-2419.29	2253.54	-2456.72	2230.14	40.13%	53.02%	6.84%
Needs some Assistance	45188	3631	2,322,501	1.95%	0.693	0.686	-2455.88	2314.46	-2505.67	2278.39	42.86%	49.10%	8.04%
Totally Dependent	5061	1427	271,367	1.87%	0.708	0.704	-2432.33	2175.98	-2462.44	2164.29	44.95%	45.31%	9.74%
Missing	514	361	38,022	1.35%	0.725	0.715	-2397.86	2381.09	-2449.96	2342.49	40.86%	50.00%	9.14%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Toileting													
Able to toilet independently	25558	3175	1,202,367	2.13%	0.681	0.674	-2377.62	2151.58	-2419.07	2123.58	40.89%	51.55%	7.56%
When reminded or assisted	20176	2807	1,252,180	1.61%	0.692	0.685	-2524.94	2398.63	-2576.04	2368.98	44.36%	47.82%	7.82%
Uses bedside commode	4751	1413	280,308	1.69%	0.712	0.703	-2472.63	2455.49	-2539.22	2383.13	43.09%	47.91%	9.01%
Unable to use commode, but uses bedpan independently	791	444	37,670	2.10%	0.722	0.711	-2284.80	2165.50	-2354.30	2046.54	39.44%	50.82%	9.73%
Totally dependent	7866	1879	272,508	2.89%	0.713	0.708	-2438.39	2306.30	-2472.41	2287.59	43.33%	47.28%	9.39%
Missing	514	361	38,022	1.35%	0.725	0.715	-2397.86	2381.09	-2449.96	2342.49	40.86%	50.00%	9.14%
Urinary Incontinence													
No incontinence or catheter	20536	3047	1,087,066	1.89%	0.670	0.664	-2450.24	2139.19	-2491.23	2114.13	42.76%	50.16%	7.09%
Patient is incontinent unless cued	32548	3245	1,807,211	1.80%	0.705	0.698	-2433.58	2382.11	-2484.54	2345.18	42.29%	48.96%	8.75%
Patient is always incontinent	4772	1523	149,657	3.19%	0.691	0.685	-2459.64	2161.22	-2494.06	2137.60	43.69%	49.06%	7.25%
Transferring													
Able to transfer independently	8732	2165	368,871	2.37%	0.692	0.685	-2524.94	2398.63	-2576.04	2368.98	40.35%	52.24%	7.41%
Requires some assistance	42895	3603	2,407,864	1.78%	0.693	0.686	-2468.62	2327.79	-2518.72	2289.98	42.93%	49.11%	7.95%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Unable to transfer or bear weight	4717	1425	185,765	2.54%	0.707	0.702	-2477.63	2322.69	-2514.32	2285.36	43.88%	47.36%	8.76%
Non-weight bearing or bedfast	2798	1053	82,533	3.39%	0.718	0.714	-2298.06	2140.16	-2329.60	2143.14	41.46%	48.50%	10.04%
Missing	514	361	38,022	1.35%	0.725	0.715	-2397.86	2381.09	-2449.96	2342.49	40.86%	50.00%	9.14%
Ambulation													
Able to walk independently	4261	1528	158,171	2.69%	0.663	0.658	-2349.69	2101.13	-2380.79	2080.82	38.98%	54.02%	6.99%
Requires Assistive Device	35350	3411	1,823,485	1.94%	0.692	0.685	-2438.78	2328.35	-2487.60	2299.37	42.01%	49.84%	8.15%
Chairfast or Always Requires Assistance	18152	2763	1,005,529	1.81%	0.697	0.691	-2475.82	2252.38	-2521.47	2209.11	44.45%	47.59%	7.97%
Bedfast, unable to ambulate	1379	580	57,848	2.38%	0.702	0.698	-2379.66	2128.81	-2410.14	2125.94	42.71%	47.93%	9.35%
Missing	514	361	38,022	1.35%	0.725	0.715	-2397.86	2381.09	-2449.96	2342.49	40.86%	50.00%	9.14%
Has Pain that Affects Daily Activities - Status													
Patient has no Pain	14357	2347	602,036	2.38%	0.695	0.689	-2430.14	2216.16	-2475.62	2191.02	43.18%	48.62%	8.19%
Less Often than Daily	11544	2386	644,756	1.79%	0.694	0.686	-2383.56	2219.29	-2442.02	2165.66	41.42%	50.38%	8.20%
Daily, but not constantly	27749	3234	1,485,249	1.87%	0.692	0.686	-2469.38	2362.02	-2512.16	2333.11	42.62%	49.31%	8.06%
All of the time	5492	1737	295,924	1.86%	0.678	0.672	-2461.31	2200.93	-2500.29	2179.47	42.97%	49.87%	7.16%
Missing	514	361	55,090	0.93%	0.725	0.715	-2397.86	2381.09	-2449.96	2342.49	40.86%	50.00%	9.14%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Eating													
Able to eat independently	21192	3044	851,268	2.49%	0.667	0.661	-2400.33	2060.92	-2439.38	2035.19	41.82%	51.59%	6.59%
Requires meal setup or some supervision	22871	2979	910,702	2.51%	0.698	0.691	-2465.31	2346.64	-2513.93	2310.04	43.59%	48.02%	8.39%
Must be supervised throughout meal	3090	1040	97,316	3.18%	0.713	0.708	-2467.02	2283.35	-2499.31	2274.15	44.47%	45.15%	10.39%
Supplemental nutrients through nasogastric tube or gastrostomy	280	162	8,268	3.39%	0.701	0.696	-2512.05	2032.83	-2532.88	2001.75	47.86%	41.43%	10.71%
Only fed with nasogastric tube or gastrostomy	594	326	16,904	3.51%	0.702	0.699	-2466.52	2274.15	-2495.20	2287.73	45.62%	45.45%	8.92%
Unable to eat or use a feeding tube	122	79	2,303	5.30%	0.677	0.673	-2611.33	2282.53	-2627.39	2266.67	40.98%	54.10%	4.92%
Vision													
Normal vision	32642	3371	1,843,404	1.77%	0.670	0.664	-2457.89	2045.44	-2494.60	2019.15	43.53%	50.10%	6.38%
Partially impaired	23902	2851	1,121,144	2.13%	0.719	0.711	-2421.51	2543.99	-2477.46	2505.55	41.41%	48.51%	10.08%
Severely impaired	2600	1004	80,486	3.23%	0.726	0.716	-2438.97	2599.93	-2513.38	2565.11	40.92%	49.00%	10.08%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Hearing and Ability to Understand Spoken Language													
No difficulty	24422	3140	1,084,523	2.25%	0.669	0.664	-2443.59	2037.24	-2478.49	2016.30	44.01%	49.01%	6.98%
Moderate difficulty understanding most one-step instructions	16582	2687	761,848	2.18%	0.694	0.687	-2425.07	2345.67	-2475.18	2305.91	42.08%	49.66%	8.26%
Severe difficulty understanding simple greetings and comments	780	393	32,388	2.41%	0.701	0.692	-2413.03	2394.82	-2457.60	2342.21	41.28%	48.59%	10.13%
Unknown	204	105	5,377	3.79%	0.699	0.699	-2584.73	2322.99	-2589.60	2319.85	42.65%	49.02%	8.33%
Expression of Language													
Expresses complex ideas	25238	3228	1,037,493	2.43%	0.664	0.659	-2453.74	2032.14	-2483.68	2008.03	43.41%	50.35%	6.24%
Minimal difficulty in expressing ideas and needs extra time	16288	2666	613,865	2.65%	0.705	0.697	-2407.60	2362.03	-2465.60	2320.66	42.37%	48.65%	8.98%
Expresses simple ideas	3991	1276	151,545	2.63%	0.718	0.710	-2475.07	2630.83	-2543.03	2598.20	42.60%	46.60%	10.80%
Has severe difficulty expressing basic ideas or needs	1474	650	53,844	2.74%	0.720	0.715	-2420.47	2415.18	-2456.96	2419.04	42.06%	47.90%	10.04%
Unable to express basic needs even with maximal prompting	757	364	20,327	3.72%	0.718	0.712	-2328.95	2102.18	-2375.86	2111.51	40.82%	48.75%	10.44%
Unresponsive or unable to speak	401	213	9,687	4.14%	0.699	0.697	-2521.11	2388.02	-2528.71	2381.93	43.89%	48.38%	7.73%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.13	-	-2488.30	-	42.54%	49.41%	8.05%
Cognitive Functioning													
Alert and/or orientated	23365	3143	950,128	2.46%	0.666	0.661	-2428.76	2043.86	-2461.88	2021.07	42.63%	51.02%	6.36%
Requires prompting under stressful or unfamiliar conditions	15813	2648	617,464	2.56%	0.698	0.690	-2443.45	2316.84	-2494.38	2277.53	43.58%	47.63%	8.79%
Requires assistance and some direction in specific situations	6066	1605	220,519	2.75%	0.711	0.704	-2497.08	2511.59	-2551.36	2477.02	42.89%	48.50%	8.61%
Requires considerable assistance in routine situations	2084	808	77,193	2.70%	0.715	0.707	-2370.05	2343.56	-2434.58	2330.21	42.95%	45.49%	11.56%
Totally dependent in cognitive functioning	821	383	21,457	3.83%	0.723	0.718	-2301.33	2402.48	-2327.36	2382.57	38.12%	51.16%	10.72%

Table 27. Summary Statistic of Patient Living And Caregiving Situation

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.129	-	-2488.299	-	42.54%	49.41%	8.05%
Patient Lives Alone with Around the Clock Care	7313	1894	261,776	2.79%	0.657	0.653	-2462.87	-2484.77	0.657	0.653	43.94%	49.50%	6.56%
Patient Lives Alone with Regular Daytime Care	1260	472	50,799	2.48%	0.657	0.650	-2671.15	-2713.59	0.657	0.650	51.03%	43.49%	5.48%
Patient Lives Alone with Nighttime Care	447	186	13,878	3.22%	0.643	0.639	-2679.40	-2697.86	0.643	0.639	51.23%	42.95%	5.82%
Patient Lives Alone with Short Term Assistance	3934	1243	152,737	2.58%	0.659	0.652	-2532.07	-2579.67	0.659	0.652	47.38%	45.50%	7.12%
Patient Lives Alone with No Assistance	646	274	13,128	4.92%	0.689	0.684	-2221.94	-2242.35	0.689	0.684	44.58%	42.88%	12.54%
Patient Lives with Another Person in Home with Around the Clock Care	16471	2797	995,338	1.65%	0.669	0.664	-2394.94	-2429.28	0.669	0.664	41.96%	51.49%	6.54%
Patient Lives with Another Person in Home with Regular Daytime Care	869	378	40,214	2.16%	0.675	0.672	-2420.99	-2437.65	0.675	0.672	43.15%	49.37%	7.48%
Patient Lives with Another Person in Home with Nighttime Care	2004	764	69,792	2.87%	0.677	0.671	-2462.25	-2495.49	0.677	0.671	46.41%	45.61%	7.98%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.129	-	-2488.299	-	42.54%	49.41%	8.05%
Patient Lives with Another Person in Home with Short Term Assistance	1432	573	45,168	3.17%	0.689	0.683	-2439.64	-2492.61	0.689	0.683	42.81%	48.60%	8.59%
Patient Lives with Another Person in Home with No Assistance	216	107	3,287	6.57%	0.692	0.689	-2318.27	-2365.97	0.692	0.689	45.37%	43.52%	11.11%
Patient Lives in Congregate Situation in Home with Around the Clock Care	6894	1338	224,131	3.08%	0.739	0.730	-2426.42	-2505.70	0.739	0.730	40.25%	49.51%	10.24%
Patient Lives in Congregate Situation with Regular Daytime Care	90	52	3,655	2.46%	0.765	0.757	-1984.34	-2043.86	0.765	0.757	38.89%	45.56%	15.56%
Patient Lives in Congregate Situation with Nighttime Care	27	13	416	6.49%	0.789	0.759	-1591.96	-1915.07	0.789	0.759	37.04%	51.85%	11.11%
Patient Lives in Congregate Situation with Short Term Assistance	335	110	8,838	3.79%	0.756	0.754	-2304.61	-2314.80	0.756	0.754	37.31%	46.27%	16.42%
Patient Lives in Congregate Situation with No Assistance	50	28	979	5.11%	0.693	0.693	-2547.66	-2546.39	0.693	0.693	50.00%	40.00%	10.00%

Table 28. Summary Statistics of Care Needs for Outlier Episode

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.129	-	-2488.299	-	42.54%	49.41%	8.05%
Oral Medication Management													
Able to independently take the correct oral medications(s) and proper dosages at the correct times	12654	2476	526,829	2.40%	0.636	0.632	-2450.92	1812.69	-2476.32	1790.06	43.46%	51.71%	4.82%
Requires some assistance	13850	2530	585,751	2.36%	0.684	0.678	-2415.47	2193.54	-2463.99	2156.28	43.13%	48.90%	7.97%
Requires reminders	5666	1574	263,626	2.15%	0.690	0.683	-2471.79	2223.28	-2513.42	2196.87	45.04%	46.56%	8.40%
Needs human assistance	12804	2238	502,685	2.55%	0.719	0.713	-2453.43	2505.06	-2503.89	2476.75	42.09%	48.21%	9.70%
No medications prescribed	299	177	11,066	2.70%	0.706	0.702	-2296.73	2165.66	-2316.13	2151.16	44.15%	44.82%	11.04%
Missing	14383	1830	1,193,098	1.21%	0.726	0.717	-2440.68	2553.35	-2501.50	2512.93	40.55%	50.16%	9.28%
Injectable Medications Management													
Able to independently take the correct medications(s) and proper dosages at the correct times	3709	1377	177,798	2.09%	0.650	0.645	-2488.11	1955.85	-2516.78	1939.97	43.81%	50.98%	5.20%
Able to take medications when helped in preparation	2684	1118	123,250	2.18%	0.696	0.689	-2425.04	2309.25	-2466.87	2277.60	41.17%	50.45%	8.38%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.129	-	-2488.299	-	42.54%	49.41%	8.05%
Able to take medication(s) at the correct times if given reminders by another person	927	461	55,750	1.66%	0.689	0.677	-2534.99	2321.29	-2620.83	2261.03	46.82%	42.50%	10.68%
Needs human assistance	21877	2519	395,639	5.53%	0.736	0.727	-2502.12	2734.55	-2571.65	2685.87	42.57%	46.83%	10.60%
No medications	28573	3437	2,271,103	1.26%	0.663	0.658	-2388.94	1903.41	-2418.18	1886.47	42.43%	51.25%	6.31%
Missing	1886	858	59,515	3.17%	0.715	0.706	-2435.16	2414.16	-2489.02	2374.46	41.30%	50.27%	8.43%
Requires patient-specific parameters for notifying physician of changes in vital changes or other clinical findings	22161	2889	923,435	2.40%	0.688	0.682	-2460.59	2300.87	-2496.75	2277.99	44.08%	47.50%	8.42%
Requires diabetic foot care including monitoring for the presence of skin lesions on the lower extremities and patient/caregiver education on proper foot care	22200	2892	609,685	3.64%	0.705	0.698	-2497.94	2477.26	-2548.90	2440.37	43.67%	47.28%	9.05%
Requires interventions(s) to monitor and mitigate pain	31307	3489	1,427,667	2.19%	0.676	0.671	-2461.56	2208.72	-2494.51	2185.54	43.27%	49.45%	7.29%

	Total Outliers	Number of Providers	Total Episodes	Percent of Total Episodes	Ratio of Payment to Cost Per Outlier Episode (Adjusted)	Ratio of Payment to Cost Per Outlier Episode (Unadjusted)	Average Loss Per Outlier Episode (Adjusted)	Std. Dev.	Average Loss Per Outlier Episode (Unadjusted)	Std. Dev.	Large Loss Percentage	Small Loss Percentage	Profitable Episode Percentage
Benchmark	59656	3917	3023000	-	0.692	0.686	-2442.129	-	-2488.299	-	42.54%	49.41%	8.05%
Requires intervention(s) to prevent pressure ulcers	20162	2948	712,503	2.83%	0.689	0.685	-2486.61	2303.23	-2514.49	2288.04	44.16%	47.69%	8.15%
Requires pressure ulcer treatment based on principle of moist wound healing OR order for treatment based on moist wound healing has been requested from physician	6532	1800	122,827	5.32%	0.683	0.679	-2439.51	2040.71	-2464.15	2017.76	44.12%	47.99%	7.88%

APPENDIX H: SURVEY METHODOLOGY AND INSTRUMENTS

Detailed survey methodology

The survey instruments were developed by the research team with input from members of the technical expert panel (TEP). A number of physicians and home health experts from the TEP were consulted to test the appropriateness of the survey questions and instrument structure. Also, TEP members sought input from colleagues who reviewed the questionnaires and provided feedback on question wording, response categories, and overall length. The team also conducted a pilot test of the survey instruments further ensure that questions cover the range of potential issues and use accepted terminology.

The surveys were fielded beginning in late January with mailing of the pre-notice letters to HHAs and the survey data was collected through May 2013. A multi-mode data collection method was used, with a self-administered paper survey mailed to participants, along with extensive telephone prompting for non-respondents. SSS conducted the surveys, performed the follow-up phone calls, and collected and analyzed the survey data. A \$50 incentive was included along with the survey for physicians, in order to increase response rates.

After the initial set of surveys were sent out, a number of the survey mailings were returned as undeliverable and internet searches were performed to identify correct addresses. These activities yielded 73 new addresses for HHAs and 47 new addresses for physicians. No new addresses were obtained for 17 HHAs and 18 physicians. The sample was augmented to replace providers determined to be ineligible for the surveys – 30 HHAs and 75 physicians were added SH the field period.

A dataset of survey responses was created and merged with data from claims files for the analysis. A non-response analysis was conducted on the HHA surveys and differences between the characteristics of responders and non-responders were identified. HHAs serving a high proportion of vulnerable patients, proprietary HHAs, freestanding HHAs, and HHAs located in urban areas were significantly less likely to respond. Weights were developed to account for differences between the sample and the target population, including both survey nonresponse bias (i.e., the tendency of certain groups not to respond to the questionnaire) and non-coverage bias (i.e., failure to include some eligible units in the sampling frame). Weights were post-stratified using five characteristics so as to have the same distribution for the weighted survey cases as for the total universe by number of referrals, ownership (i.e., proprietary, voluntary, not-for-profit, government), control (i.e., freestanding or provider-based), urban-rural location, and U.S. Census region. All reported HHA-level survey estimates used these weights. A nonresponse analysis was also conducted for the physician surveys, which showed no statistically significant differences between responders and nonresponders on characteristics of interest. Thus, no non-response adjustment was used in the analysis of the physician survey data. The characteristics examined included number of referrals, urban-rural location, and Census region.



Survey of Access to Home Health Services For Medicare Beneficiaries – Home Health Agencies

Thank you for taking the time to fill out this questionnaire. We are interested in better understanding your perspective on providing home health services to Medicare beneficiaries. We are particularly interested in understanding potential access problems experienced by specific types of beneficiaries and how access might be affected by the current payment system.

Please complete this survey if you are the administrator of this home health agency. If you are not, please pass this survey on to the appropriate person. If you have any questions, please call the Study Manager, Lourdes Suárez, at **1-877-754-6104**.

Filling out this survey is voluntary. Your answers to these questions will be kept private and will not affect your status as a provider. Results of this survey will be reported only in the aggregate; your organization will not be identified in any way.

After you read each question, mark the response that best represents your experience, using the categories listed.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0938–1183. The time required to complete this information collection is estimated to average 15 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: CMS, 7500 Security Boulevard, Attn: PRA Reports Clearance Officer, Mail Stop C4–26–05, Baltimore, Maryland 21244–1850.

For physicians certifying Medicare home health services, under regulations implemented in 2011, the physician or an allowed practitioner must document a face-to-face encounter with the patient. The next few questions focus on this Medicare home health face-to-face encounter requirement. We have provided space at the end of the questionnaire for you to offer additional comments about access to home health services.

Q1. Please rate the burden on your agency's administrative workload resulting from this requirement.

Very significant

Somewhat significant

Not very significant

Don't know

Q2. To what extent do you think the requirement has caused delays in access to home health care for your Medicare fee-for-service patients?

Substantial increase in delays

Moderate increase in delays

Small increase in delays

No increase in delays

When answering the following questions, to the best of your ability, please exclude any effects due to the face-to-face requirement.

Also, when answering the following questions, please think about the Medicare fee-for-service patients (not Medicare Advantage patients) your agency has received in the past month.

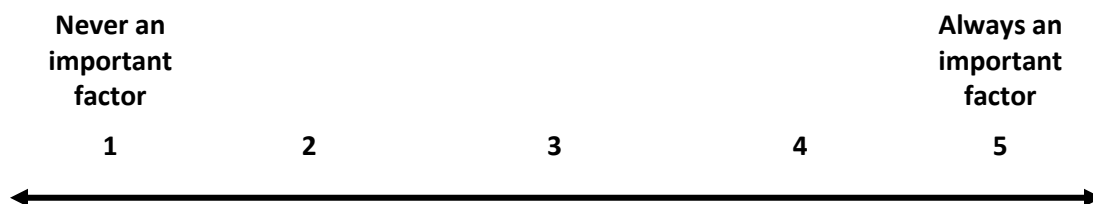
Q3. Thinking about the past month, how many Medicare fee-for-service referrals for home health has your agency received?

(Please provide your best estimate for the most recent month or 30-day period.)

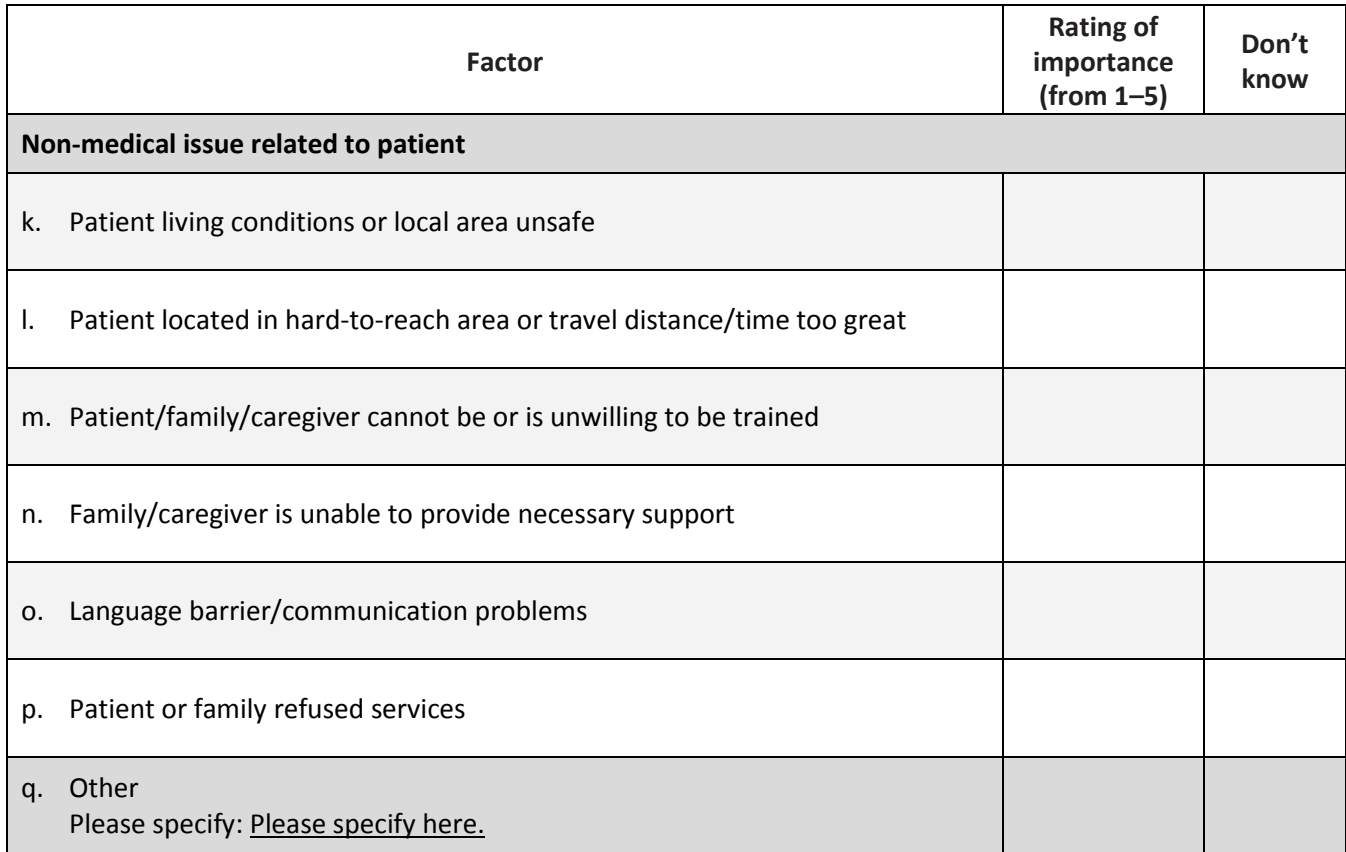
Q4. Thinking about this past month's Medicare fee-for-service referrals, please indicate how many referrals your agency was unable to admit?

(Please provide your best estimate for the most recent month or 30-day period.)

Q5. In the past month, how important were each of the following factors in cases where you were unable to admit Medicare fee-for-service patients referred to your agency?



Factor	Rating of importance (from 1–5)	Don't know
Issue related to home health agency		
a. Nursing staff with needed skill set not available		
b. Therapy staff not available (e.g., PT, OT, ST)		
c. Staff not experienced with medical condition(s)		
d. Required equipment/supplies not available		
e. Reimbursement not sufficient		
Medical issue related to patient		
f. Severity/complexity of patient's medical condition		
g. More than two episodes of care expected		
h. Two or more visits per day expected		
i. Routine evening or weekend care expected		
j. Patient does not qualify for Medicare home health benefit (e.g., not homebound)		



- Q7.** In the past month, please estimate how many Medicare fee-for-service referrals you started care for, but were unable to provide all the ordered services?

(Please provide your best estimate.)

- Q8.** If you were unable to provide all ordered services for some patients, what was the most common reason for this?

(Please check all that apply.)

Specific type of staff not available

(Please check all that apply):

Nursing staff

Therapy staff

Social work staff

Home health aide

Staff not available to travel to patient's residence

Other

Please specify: Please specify here.

- Q9.** Thinking about the past month, how many times did you find that your agency had to delay the start of care for Medicare fee-for-service patients?

(Please provide your best estimate.)

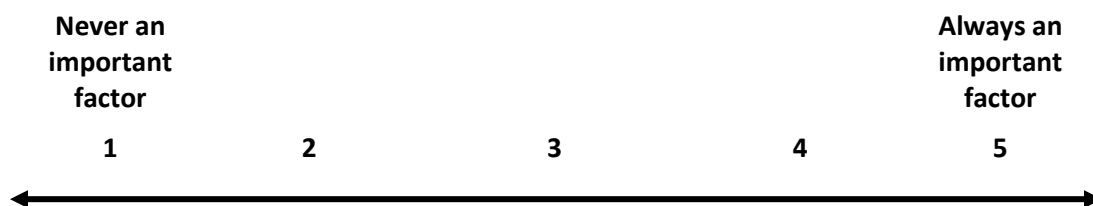
In the past month, typically how long was the start of care delayed?

Less than 24 hours

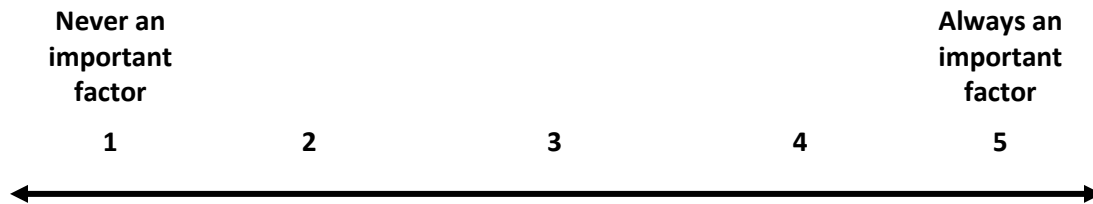
24 to 48 hours

More than 48 hours

Q11. In the past month, how important were each of the following factors in causing delays in the start of care for your Medicare fee-for-service patients?



Factor	Rating of importance (from 1–5)	Don't know
Issue related to home health agency		
a. Nursing staff with needed skill set not available		
b. Therapy staff not available (e.g., PT, OT, ST)		
c. Staff not experienced with medical condition(s)		
d. Required equipment/supplies not available		
e. Reimbursement not sufficient		



Factor	Rating of importance (from 1–5)	Don't know
Medical issue related to patient		
f. Severity/complexity of patient's medical condition		
g. Patient history of non-compliance with medical regimen		
h. More than two episodes of care expected		
i. Two or more visits per day expected		
j. Routine evening or weekend care expected		
Non-medical issue related to patient		
k. Patient living conditions or local area unsafe		
l. Patient located in hard-to-reach area or travel distance/time too great		
m. Patient/family/caregiver cannot be or is unwilling to be trained		
n. No available caregiver		
o. Family/caregiver is unable to provide necessary support		
p. Language barrier/communication problems		
q. Patient or family refused services		
r. Other Please specify: <u>Please specify here.</u>		

Q12. Suppose you have been asked to provide home health services for a patient with a chronic condition such as poorly controlled diabetes, heart failure or COPD, and the patient has other comorbidities. The patient is homebound, in need of skilled services, and has a caregiver.

For this hypothetical patient, please indicate to what extent the presence of any of the following factors would impact the cost of caring for the patient relative to current reimbursement levels.

Please check the most appropriate response in each row based on your experience with similar patients.

How does the cost of care compare to the current reimbursement for the hypothetical patient who also <i>has or requires...</i>	Cost of care within reimbursement	Cost of care somewhat higher than reimbursement	Cost of care much higher than reimbursement	Could not take the patient regardless of reimbursement
State of mind				
a. Developmental and/or intellectual disabilities				
b. Mental illness				
c. Dementia or severe cognitive impairment				
d. Other Please specify: <u>Please specify here.</u>				
State of body				
e. Morbid obesity				
f. Severe ADL/IADL limitations				
g. Substance/alcohol abuse				
h. Dialysis dependence				
i. Dependence on mechanical ventilator				
j. Oxygen dependence				
k. Incontinence				
l. Bed/wheelchair bound				
m. Other Please specify: <u>Please specify here.</u>				

How does the cost of care compare to the current reimbursement for the hypothetical patient who also <i>has or requires...</i>	Cost of care within reimbursement	Cost of care somewhat higher than reimbursement	Cost of care much higher than reimbursement	Could not take the patient regardless of reimbursement
Frequency/complexity of procedures				
n. Use of multiple or high risk medications				
o. IV Administration				
p. Timing, frequency and/or duration of services needed (e.g. daily nursing/aide/therapy visits or multiple therapy disciplines)				
q. Complex wound treatments				
r. Other Please specify: <u>Please specify here.</u>				
State of body				
s. History of non-adherence/non-compliance				
t. Language barriers/communication problems				
u. Patient living conditions or local area unsafe				
v. Patient located in hard to reach area				
w. Other Please specify: <u>Please specify here.</u>				

Q13. Please indicate for all the patients you serve—Medicare or otherwise—what percentage are covered by each of the following payer categories. Your best guess is fine (*should sum to 100 percent*).

Medicare only (fee-for-service)

Medicaid only

Dually eligible for Medicare and Medicaid

Privately insured (include Medicare Advantage)

Other (self pay)

Q14. In your opinion, the current availability of home health care for Medicare fee-for-service beneficiaries in your local area is...

Excellent

Good

Fair

Poor

Varies within our service area

THANK YOU FOR COMPLETING THE SURVEY

We invite you to share any additional thoughts you have about the availability and adequacy of home health care for Medicare patients in your local area.



Avery 5160 label here

PHYSICIAN'S NAME

Survey of Access to Home Health Services For Medicare Beneficiaries – Physicians

Thank you for taking the time to fill out this questionnaire. We are interested in understanding your perspective on referring Medicare beneficiaries for home health services and whether you see access problems experienced by specific types of beneficiaries. The questions cover Medicare beneficiaries who you may refer to home health care, either following a stay in an institution (e.g., hospital or nursing home) or directly from the community.

We are interested in hearing from the individual in your practice who is primarily responsible for identifying the home health agency and handling the arrangements for patients you refer. We appreciate your completing the questionnaire or passing it along to the appropriate person. If you have any questions, please call the Study Manager, Lourdes Suárez, at **1-877-754-6104**.

Filling out this survey is voluntary. Your answers to these questions will be kept private and will not affect your status as a provider. Results of this survey will be reported only in the aggregate; your practice will not be identified in any way.

After you read each question, mark the response that best represents your experience, using the categories listed.

In the past 3 months, has the physician listed on the label above, referred 10 or more Medicare fee-for-service patients to home health services? *If you are uncertain as to which patients are covered by Medicare fee-for-service, please focus on those likely to be 65 or older or those who are severely disabled.*

Yes

No —→ **Please return the questionnaire in the enclosed envelope. We appreciate your time.**

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0938-1183. The time required to complete this information collection is estimated to average 15 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: CMS, 7500 Security Boulevard, Attn: PRA Reports Clearance Officer, Mail Stop C4-26-05, Baltimore, Maryland 21244-1850.

For physicians certifying Medicare home health services, under regulations implemented in 2011, the physician or an allowed practitioner must document a face-to-face encounter with the patient. The next few questions focus on this Medicare home health face-to-face encounter requirement. We have provided space at the end of the questionnaire for you to offer additional comments about access to home health services.

Q1. Please rate the burden on your practice's administrative and/or clinical workload resulting from this requirement.

Very significant

Somewhat significant

Not very significant

Don't know

Q2. To what extent do you think the requirement has caused delays in access to home health care for your Medicare fee-for-service patients?

Substantial increase in delays

Moderate increase in delays

Small increase in delays

No increase in delays

When answering the following questions, to the best of your ability, please exclude any changes due to the face-to-face requirement.

Also, when answering the following questions, please think about the Medicare fee-for-service patients (not Medicare Advantage patients) who have been referred for home health care services in the past 3 months by the individual physician listed on the cover sheet.

- Q3.** Thinking about the past 3 months, how many Medicare fee-for-service patients have you referred for home health services?

(Please provide your best guess or estimate.)

- Q4.** Thinking about the past 3 months, please indicate what percentage of your Medicare fee-for-service patients you wanted to refer to home health care but for whom you were unable to find a placement?

(Please provide your best guess or estimate.)

Rarely or never

For fewer than 5% of patients

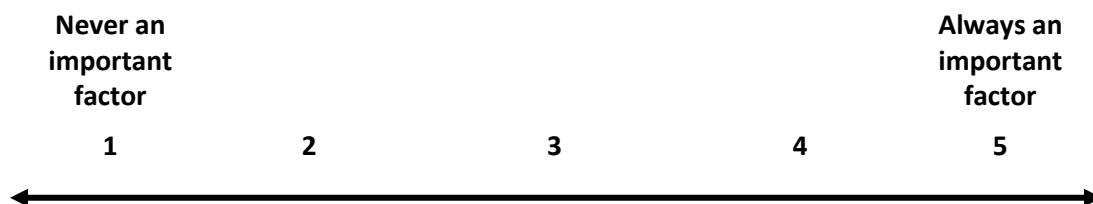
For 6 to 10% of patients

For 11 to 20% of patients

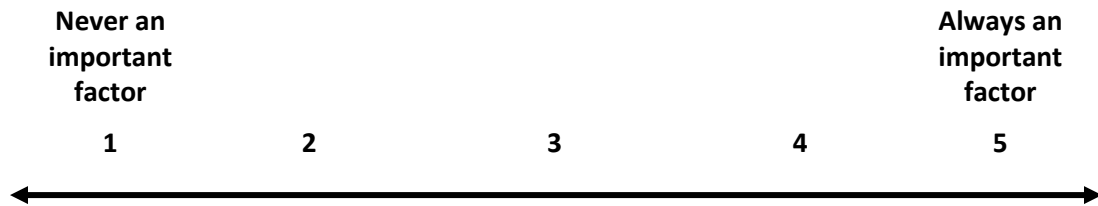
For more than 20% of patients

Don't know

unable to place your Medicare fee-for-service patients with a home health agency?



Factor	Rating of importance (from 1–5)	Don't know
Issue related to home health agency		
a. Nursing staff with needed skill set not available		
b. Therapy staff not available (e.g., PT, OT, ST)		
c. Staff not experienced with medical condition(s)		
d. Required equipment/supplies not available		
e. Reimbursement not sufficient		
Medical issue related to patient		
f. Severity/complexity of patient's medical condition		
g. More than two 60 day periods (episodes) of care expected		
h. Two or more visits per day expected		
i. Routine evening or weekend care expected		
j. Patient does not qualify for Medicare home health benefit (e.g., not homebound)		



Factor	Rating of importance (from 1–5)	Don't know
Non-medical issue related to patient		
k. Patient living conditions or local area unsafe		
l. Patient located in hard-to-reach area or travel distance/time too great		
m. Patient/family/caregiver cannot be or is unwilling to be trained		
n. Family/caregiver is unable to provide necessary support		
o. Language barrier/communication problems		
p. Patient or family refused services		
q. Other Please specify: <u>Please specify here.</u>		

Q6. In the past 3 months, if you have been unable to place a Medicare fee-for-service patient at the first agency you tried, where was the patient most likely to go for the needed care?

(Please select one response.)

Another agency

How many additional agencies do you usually need to contact?

1

2 or more

Nursing home or skilled nursing facility

Hospital

Home, with no formal care or with private pay care

Don't know/not applicable

Q7. In the past 3 months, how often did you need to contact more than one home health agency in order to find a placement for one of your Medicare fee-for-service patients?

Rarely or never

For fewer than 5% of patients

For 6 to 10% of patients

For 11 to 20% of patients

For more than 20% of patients

Don't know

Q8. In the past 3 months, in how many of your Medicare fee-for-service home health placements were you aware the agency could not provide all services that you ordered?

(Please provide your best guess or estimate.)

Q9. In cases where an agency was not able to provide all the services that were ordered, what were the most common service(s) the agencies were not able to provide?

(Please check all that apply.)

Specific type of staff not available

(Please check all that apply):

Nursing staff

Therapy staff

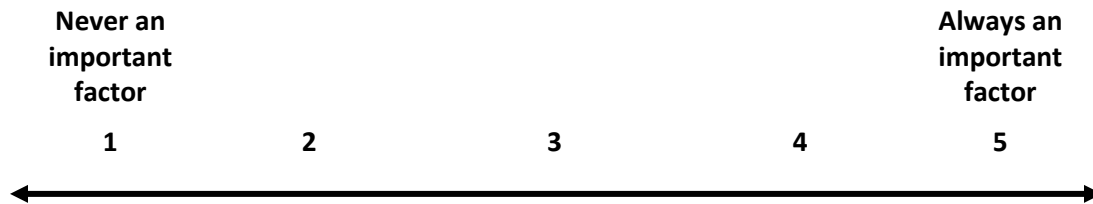
Social work staff

Home health aide

Staff not available to travel to patient's residence

Other

Please specify: Please specify here.



Factor	Rating of importance (from 1–5)	Don't know
Medical issue related to patient		
f. Severity/complexity of patient's medical condition		
g. Patient history of non-compliance with medical regimen		
h. More than two 60 day periods (episodes) of care expected		
i. Two or more visits per day expected		
j. Routine evening or weekend care expected		
Non-medical issue related to patient		
k. Patient living conditions or local area unsafe		
l. Patient located in hard-to-reach area or travel distance/time too great		
m. Patient/family/caregiver cannot be or is unwilling to be trained		
n. No available caregiver		
o. Family/caregiver is unable to provide necessary support		
p. Language barrier/communication problems		
q. Patient or family refused services		
r. Other Please specify: <u>Please specify here.</u>		

Q13. How many physicians practice at this location?

1

2 to 5

6 to 10

More than 10

Q14. Please indicate for all the patients the physician listed on the cover sheet serves—Medicare or otherwise—what percentage of the patients referred for home health services are covered by each of the following payer categories. Your best guess is fine (*should sum to 100 percent*).

Medicare only (fee-for-service)

Medicaid only

Dually eligible for Medicare and Medicaid

Privately insured (include Medicare Advantage)

Other (self pay)

100%

Q15. Please indicate your position at this practice.

Physician

Office Manager/Medical Assistant

Nurse/PA/Clinical manager

Other

Please specify: Please specify here.

Q16. In your opinion, the current availability of home health care services to Medicare beneficiaries in your local area is...

Excellent

Good

Fair

Poor

Varies within the local area where my patients live

THANK YOU FOR COMPLETING THE SURVEY

We invite you to share any additional thoughts you have about the availability and adequacy of home health care for Medicare patients in your local area.



L & M
POLICY
RESEARCH