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State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
53284	53284	1	1
53285	53285	1	1
53288	53288	1	1
53290	53290	1	1
53293	53293	1	1
53295	53295	1	1
53401	53401	1	1
53402	53402	4	1
53403	53403	4	1
53404	53404	4	1
53405	53405	4	1
53406	53406	4	1
53407	53407	1	1
53408	53408	1	1
53501	53501	2	1
53502	53502	4	5
53503	53503	4	3
53504	53504	4	10.5
53505	53505	2	2.2
53506	53506	3	10.4
53507	53507	4	10.4
53508	53508	4	2
53510	53510	4	10
53511	53511	4	1
53512	53512	1	1
53515	53515	4	2
53516	53516	4	10.5
53517	53517	4	3
53518	53518	4	9.1
53520	53520	4	7.4
53521	53521	4	2
53522	53522	4	5
53523	53523	4	2
53525	53525	4	10.1
53526	53526	3	10
53527	53527	4	2
53528	53528	4	2
53529	53529	4	2
53530	53530	4	10
53531	53531	4	2
53532	53532	4	2
53533	53533	4	7.3
53534	53534	4	2
53535	53535	2	10
53536	53536	4	7.3

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
53537	53537	3	1
53538	53538	4	4
53540	53540	2	9.1
53541	53541	4	10.5
53542	53542	2	1
53543	53543	4	10.4
53544	53544	3	10.4
53545	53545	4	1
53546	53546	4	1
53547	53547	1	1
53549	53549	4	7.4
53550	53550	4	5
53551	53551	4	7.3
53553	53553	3	10
53554	53554	3	10
53555	53555	4	2
53556	53556	4	9.1
53557	53557	3	10.4
53558	53558	4	1
53559	53559	4	2
53560	53560	4	2
53561	53561	4	10.4
53562	53562	4	1
53563	53563	4	2
53565	53565	4	10
53566	53566	4	4
53569	53569	4	10
53570	53570	4	10.4
53571	53571	2	2
53572	53572	4	2
53573	53573	4	10
53574	53574	4	10.4
53575	53575	4	2
53576	53576	4	2
53577	53577	4	10.4
53578	53578	4	2
53579	53579	4	10.4
53580	53580	2	10
53581	53581	4	7
53582	53582	4	10.4
53583	53583	4	2
53584	53584	2	9.1
53585	53585	4	10
53586	53586	4	10
53587	53587	4	10.5

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
53588	53588	4	10.4
53589	53589	4	2
53590	53590	4	2
53591	53591	1	2
53593	53593	4	2
53594	53594	4	7.3
53595	53595	1	7.3
53596	53596	1	2
53597	53597	4	2
53598	53598	4	2
53599	53599	2	10.5
53701	53701	1	1
53702	53702	1	1
53703	53703	4	1
53704	53704	4	1
53705	53705	4	1
53706	53706	1	1
53707	53707	1	1
53708	53708	1	1
53709	53709	1	1
53710	53710	1	1
53711	53711	4	1
53713	53713	4	1
53714	53714	4	1
53715	53715	4	1
53716	53716	4	1
53717	53717	4	1
53718	53718	1	1
53719	53719	4	1
53725	53725	1	1
53726	53726	1	1
53744	53744	1	1
53777	53777	1	1
53778	53778	1	1
53779	53779	1	1
53780	53780	1	1
53782	53782	1	1
53783	53783	1	1
53784	53784	1	1
53785	53785	1	1
53786	53786	1	1
53787	53787	1	1
53788	53788	1	1
53789	53789	1	1
53790	53790	1	1

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
53791	53791	1	1
53792	53792	1	1
53793	53793	1	1
53794	53794	1	1
53801	53801	3	10
53802	53802	2	8
53803	53803	4	10
53804	53804	4	10
53805	53805	4	7
53806	53806	4	8
53807	53807	4	10
53808	53808	4	10
53809	53809	4	10
53810	53810	3	8
53811	53811	4	2
53812	53812	3	2
53813	53813	4	7
53816	53816	3	10
53817	53817	2	10
53818	53818	4	7
53820	53820	4	10
53821	53821	4	7
53824	53824	1	2
53825	53825	3	10
53826	53826	4	8
53827	53827	2	10
53901	53901	4	7.3
53910	53910	4	10
53911	53911	4	2
53913	53913	4	7
53916	53916	4	4
53917	53917	1	4
53919	53919	4	10.5
53920	53920	3	9.1
53922	53922	4	8.4
53923	53923	4	10.4
53924	53924	4	10
53925	53925	4	10.4
53926	53926	4	10
53927	53927	2	10
53928	53928	2	3
53929	53929	4	10
53930	53930	4	9.1
53931	53931	2	10.5
53932	53932	4	10.4

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
53933	53933	4	5
53934	53934	4	10
53935	53935	2	10.4
53936	53936	4	10
53937	53937	4	10.4
53939	53939	2	10
53940	53940	4	8
53941	53941	4	8
53942	53942	2	8
53943	53943	4	10.4
53944	53944	4	9
53946	53946	4	10
53947	53947	2	10
53948	53948	4	9
53949	53949	4	10.4
53950	53950	4	10.3
53951	53951	4	3
53952	53952	4	10
53953	53953	2	10.4
53954	53954	4	10.4
53955	53955	4	2
53956	53956	4	5
53957	53957	1	5
53959	53959	4	7
53960	53960	4	3
53961	53961	3	9
53962	53962	2	10
53963	53963	4	7
53964	53964	4	10
53965	53965	4	10.4
53968	53968	4	10
53969	53969	3	10.4
54001	54001	4	7
54002	54002	4	10.5
54003	54003	3	6
54004	54004	4	10
54005	54005	4	10
54006	54006	3	10
54007	54007	4	9.2
54009	54009	4	10
54010	54010	2	10.5
54011	54011	4	10.5
54012	54012	3	10.5
54013	54013	4	10.5
54014	54014	4	5

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54015	54015	4	10.4
54016	54016	4	2
54017	54017	4	7.4
54020	54020	4	10
54021	54021	4	2
54022	54022	4	4.1
54023	54023	4	10.4
54024	54024	4	10
54025	54025	4	2
54026	54026	4	10
54027	54027	3	10.5
54028	54028	4	10.5
54082	54082	4	2
54101	54101	4	2
54102	54102	3	5
54103	54103	3	10
54104	54104	2	5
54106	54106	4	2
54107	54107	4	10.4
54110	54110	4	7.3
54111	54111	4	10.4
54112	54112	4	10.5
54113	54113	4	1
54114	54114	4	10.5
54115	54115	4	1
54119	54119	2	5
54120	54120	2	5
54121	54121	4	10.2
54123	54123	2	7.3
54124	54124	4	10
54125	54125	2	5
54126	54126	4	2.2
54127	54127	2	10.4
54128	54128	4	10
54129	54129	4	2
54130	54130	4	1
54131	54131	2	2
54135	54135	4	10
54136	54136	4	1
54137	54137	4	10.4
54138	54138	2	10
54139	54139	4	10.5
54140	54140	4	1
54141	54141	4	2
54143	54143	4	4

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54149	54149	2	10.5
54150	54150	3	10
54151	54151	4	10.2
54152	54152	2	7.1
54153	54153	4	7.3
54154	54154	4	7.3
54155	54155	4	1
54156	54156	3	5
54157	54157	4	10.2
54159	54159	4	5
54160	54160	2	7.3
54161	54161	4	10.5
54162	54162	4	2
54165	54165	4	7.1
54166	54166	4	7
54169	54169	4	1
54170	54170	4	2
54171	54171	4	2
54173	54173	4	2
54174	54174	4	10
54175	54175	2	10
54177	54177	4	10.5
54180	54180	4	2
54182	54182	2	10.4
54201	54201	4	7.3
54202	54202	4	10
54203	54203	1	5
54204	54204	4	8.3
54205	54205	4	10.4
54206	54206	4	5
54207	54207	2	10.5
54208	54208	4	2
54209	54209	3	10
54210	54210	3	10
54211	54211	2	10
54212	54212	3	10
54213	54213	4	8.3
54214	54214	3	4
54215	54215	2	10.5
54216	54216	4	10.4
54217	54217	4	10.1
54220	54220	4	4
54221	54221	1	4
54226	54226	2	8
54227	54227	4	5

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54228	54228	4	5
54229	54229	4	2
54230	54230	4	10.5
54232	54232	3	5
54234	54234	4	10
54235	54235	4	7
54240	54240	2	5
54241	54241	4	4
54245	54245	4	5
54246	54246	3	10
54247	54247	4	5
54301	54301	4	1
54302	54302	4	1
54303	54303	4	1
54304	54304	4	1
54305	54305	1	1
54306	54306	1	1
54307	54307	1	1
54308	54308	1	1
54311	54311	4	1
54313	54313	4	1
54324	54324	1	1
54344	54344	1	1
54401	54401	4	1
54402	54402	1	1
54403	54403	4	1
54404	54404	1	4
54405	54405	4	10
54406	54406	4	5
54407	54407	4	5
54408	54408	4	2
54409	54409	4	7
54410	54410	4	10.5
54411	54411	4	10.1
54412	54412	4	10.5
54413	54413	2	6
54414	54414	4	10.4
54415	54415	2	10.5
54416	54416	4	10
54417	54417	2	2
54418	54418	4	10
54420	54420	4	10.5
54421	54421	4	10.4
54422	54422	4	10
54423	54423	4	10

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54424	54424	4	8
54425	54425	4	10
54426	54426	4	10.1
54427	54427	3	2
54428	54428	3	8
54429	54429	2	2
54430	54430	1	10
54432	54432	2	2
54433	54433	4	10
54434	54434	2	8
54435	54435	4	8.3
54436	54436	4	10.5
54437	54437	4	10
54439	54439	1	10
54440	54440	4	2
54441	54441	2	4
54442	54442	4	8.3
54443	54443	4	10.5
54444	54444	3	8
54446	54446	4	10.5
54447	54447	3	10
54448	54448	4	10.1
54449	54449	4	4
54450	54450	2	10.4
54451	54451	4	7
54452	54452	4	7.3
54453	54453	1	10.1
54454	54454	4	10.5
54455	54455	4	2
54456	54456	4	7.4
54457	54457	4	5
54458	54458	2	10
54459	54459	4	10
54460	54460	4	10
54462	54462	2	9.1
54463	54463	2	10
54464	54464	2	10
54465	54465	3	9.1
54466	54466	4	6
54467	54467	4	5
54469	54469	4	5
54470	54470	4	8
54471	54471	4	2
54472	54472	1	4
54473	54473	4	10

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54474	54474	4	1
54475	54475	4	4
54476	54476	4	1
54479	54479	4	5
54480	54480	4	8
54481	54481	4	4
54482	54482	1	4
54484	54484	4	10.2
54485	54485	2	9.1
54486	54486	4	10.4
54487	54487	4	7
54488	54488	4	10.5
54489	54489	4	5
54490	54490	3	8
54491	54491	3	10
54492	54492	1	4
54493	54493	2	8
54494	54494	4	4
54495	54495	4	4
54498	54498	4	10
54499	54499	4	10.4
54501	54501	4	9
54511	54511	4	10
54512	54512	3	10
54513	54513	3	10
54514	54514	4	8
54515	54515	3	10
54517	54517	2	10
54519	54519	3	10
54520	54520	4	10
54521	54521	4	10
54524	54524	3	8
54525	54525	2	10
54526	54526	3	10.3
54527	54527	4	8
54529	54529	3	10
54530	54530	3	10.3
54531	54531	3	10
54532	54532	1	8
54534	54534	4	10
54536	54536	2	10
54537	54537	3	10
54538	54538	4	10
54539	54539	3	10
54540	54540	4	10

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54541	54541	4	10
54542	54542	2	5
54543	54543	2	10
54545	54545	3	10
54546	54546	4	10
54547	54547	3	10
54548	54548	4	10
54550	54550	3	10
54552	54552	4	7
54554	54554	4	10
54555	54555	4	10
54556	54556	4	10
54557	54557	3	10
54558	54558	4	10
54559	54559	3	10
54560	54560	2	10
54561	54561	1	10
54562	54562	4	10
54563	54563	3	10.3
54564	54564	2	9
54565	54565	1	10
54566	54566	4	10
54568	54568	4	10
54601	54601	4	1
54602	54602	1	1
54603	54603	4	1
54610	54610	4	10.4
54611	54611	4	10
54612	54612	4	10
54613	54613	4	10
54614	54614	4	2
54615	54615	4	10
54616	54616	4	10.4
54618	54618	4	10
54619	54619	4	10.4
54620	54620	2	10.4
54621	54621	4	2
54622	54622	4	5
54623	54623	4	2
54624	54624	4	2
54625	54625	2	10.4
54626	54626	3	10
54627	54627	4	10.4
54628	54628	4	10.4
54629	54629	4	10.2

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54630	54630	4	10.4
54631	54631	4	10
54632	54632	4	2
54634	54634	4	10
54635	54635	4	10.4
54636	54636	4	1
54637	54637	2	10
54638	54638	4	8
54639	54639	4	10
54640	54640	2	10.4
54641	54641	2	10.5
54642	54642	4	10.4
54643	54643	2	10
54644	54644	4	2
54645	54645	2	10
54646	54646	4	10.5
54648	54648	4	10
54649	54649	2	8
54650	54650	4	1
54651	54651	4	10
54652	54652	3	10
54653	54653	3	2
54654	54654	2	10.4
54655	54655	4	10
54656	54656	4	7.3
54657	54657	2	10
54658	54658	4	2
54659	54659	4	10.4
54660	54660	4	7
54661	54661	4	10.4
54662	54662	1	10.4
54664	54664	4	10
54665	54665	4	7.3
54666	54666	4	8
54667	54667	4	10.4
54669	54669	4	2
54670	54670	4	10
54701	54701	4	1
54702	54702	1	1
54703	54703	4	1
54720	54720	4	1
54721	54721	4	10
54722	54722	4	10.1
54723	54723	4	5
54724	54724	4	7.1

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54725	54725	4	10.5
54726	54726	4	2
54727	54727	4	2
54728	54728	4	10
54729	54729	4	1
54730	54730	4	5
54731	54731	3	10
54732	54732	4	2
54733	54733	3	10
54734	54734	3	10.5
54735	54735	2	5
54736	54736	4	10.4
54737	54737	3	5
54738	54738	4	10.4
54739	54739	4	5.1
54740	54740	4	10.5
54741	54741	4	10.1
54742	54742	4	2
54743	54743	2	10.4
54744	54744	3	10
54745	54745	4	2
54746	54746	3	8
54747	54747	4	10
54748	54748	3	2
54749	54749	4	10.5
54750	54750	4	10
54751	54751	4	4
54754	54754	4	10
54755	54755	4	10.4
54756	54756	4	10
54757	54757	4	2
54758	54758	4	10.4
54759	54759	4	10
54760	54760	3	10
54761	54761	4	10
54762	54762	4	10
54763	54763	4	10.4
54764	54764	1	5.1
54765	54765	2	10.4
54766	54766	4	10
54767	54767	4	10.5
54768	54768	4	10.4
54769	54769	2	10
54770	54770	4	10.4
54771	54771	4	10.4

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54772	54772	4	10.4
54773	54773	4	10
54774	54774	1	1
54801	54801	4	10
54805	54805	4	10
54806	54806	4	7
54810	54810	4	10
54812	54812	4	7
54813	54813	2	10
54814	54814	4	10
54816	54816	2	10
54817	54817	4	10
54818	54818	2	8
54819	54819	4	10.4
54820	54820	2	2
54821	54821	3	10
54822	54822	4	8
54824	54824	4	10
54826	54826	3	10
54827	54827	2	10
54828	54828	4	10
54829	54829	4	10
54830	54830	4	10
54832	54832	2	10
54834	54834	1	10
54835	54835	4	10
54836	54836	3	2
54837	54837	4	10
54838	54838	2	2
54839	54839	2	10
54840	54840	4	10
54841	54841	2	8
54842	54842	2	2
54843	54843	4	10
54844	54844	2	10.4
54845	54845	2	10
54846	54846	2	8
54847	54847	4	10.4
54848	54848	4	7
54849	54849	4	2
54850	54850	2	7
54851	54851	2	10
54853	54853	4	10
54854	54854	3	2
54855	54855	3	8

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54856	54856	4	10
54857	54857	2	8
54858	54858	4	10
54859	54859	4	10
54861	54861	2	10
54862	54862	2	10
54864	54864	4	2
54865	54865	2	10.4
54867	54867	3	10
54868	54868	4	7
54870	54870	3	9
54871	54871	4	10
54872	54872	4	10
54873	54873	4	2
54874	54874	4	2
54875	54875	4	10
54876	54876	4	10
54880	54880	4	1
54888	54888	4	10
54889	54889	4	10
54890	54890	1	2
54891	54891	4	10
54893	54893	4	10
54895	54895	3	10
54896	54896	4	10
54901	54901	4	1
54902	54902	4	1
54903	54903	1	1
54904	54904	4	1
54906	54906	1	1
54909	54909	4	9.2
54911	54911	4	1
54912	54912	1	1
54913	54913	1	1
54914	54914	4	1
54915	54915	4	1
54919	54919	1	1
54921	54921	4	9.2
54922	54922	4	10.4
54923	54923	4	7
54926	54926	1	10.4
54927	54927	2	2
54928	54928	2	10
54929	54929	4	7
54930	54930	4	10

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54931	54931	3	1
54932	54932	4	5
54933	54933	2	10.3
54934	54934	2	2.2
54935	54935	4	4
54936	54936	1	4
54937	54937	4	4
54940	54940	4	2
54941	54941	4	10.5
54942	54942	4	1
54943	54943	4	10
54944	54944	4	2
54945	54945	4	10
54946	54946	2	10
54947	54947	4	2
54948	54948	2	10
54949	54949	4	10.4
54950	54950	4	10.3
54951	54951	2	7.3
54952	54952	4	1
54956	54956	4	1
54957	54957	4	1
54960	54960	4	10
54961	54961	4	7.3
54962	54962	4	10.4
54963	54963	4	2
54964	54964	4	2
54965	54965	4	10
54966	54966	4	10
54967	54967	3	10
54968	54968	4	9
54969	54969	2	2
54970	54970	4	8
54971	54971	4	7.4
54974	54974	4	5
54975	54975	2	3
54976	54976	1	10
54977	54977	4	10
54978	54978	2	10
54979	54979	4	5
54980	54980	2	2
54981	54981	4	9
54982	54982	4	10
54983	54983	4	8
54984	54984	4	10

State of Wisconsin RUCA Codes for Zipcodes

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54985	54985	2	1
54986	54986	4	2
54990	54990	1	10

ZIP	ZIPN	POPULATION CATEGORY	RUCA CODE
54985	54985	2	1
54986	54986	4	2
54990	54990	1	10

The following table provides additional information regarding the mapping of ZIP codes to RUCA codes. The population category is determined based on the 2000 Census data. The RUCA code is determined based on the population category and the geographic location of the ZIP code. The following table provides additional information regarding the mapping of ZIP codes to RUCA codes.

Attachment 8: Characteristics of Individuals in the Comparison Group who are still on the Waiting List

Among the Comparison Group individuals, 303 individuals were reported as being on a waiting list as of December 31, 2002⁸¹. The average age of these individuals is 62.5 years and the majority (66.1 percent) are female. Nearly all of the individuals (96 percent) reside in a designated urban community⁸². This is consistent with the Family Care Independent Assessment population urban community rate of 97.8 percent. The following table provides additional information on these individuals.

HSRS Waiting List SPC Designation	Percent Female	Mean Age	Frail Elderly (%)	Developmentally Disabled (%)	Physically Disabled (%)	Residing in an Urban Community (%)
Institutional Resident	62.0	60	33.3	36.0	30.7	95.3
Receiving No Public LTC Funding ⁸³	64.9	63	47.3	13.6	39.1	96.0
Receiving Some Public LTC Funding, but No COP or Waiver Funding	69.8	63	50.6	25.0	24.4	96.3

Source: APS analysis of HSRS data.

An examination of the disability categories among this waiting list population finds that they are similar to the non-Milwaukee Family Care Independent Assessment population eligible in 2002 (see Table 4 and Figure 6.) The non-Milwaukee Family Care Independent Assessment elderly population was 46 percent versus 46 percent of the Comparison Group waiting list individuals. Almost 21 percent of the non-Milwaukee Family Care Independent Assessment population was physically disabled and 33 were developmentally disabled. Conversely, 21 percent of the waiting list individuals were developmentally disabled and 33 percent were physically disabled. By way of comparison, among those individuals throughout Wisconsin who were on the waiting

⁸¹ Waiting List determination was based upon the date criteria of an individual having the following HSRS SPC and SPC/Subprogram code designations: 897, 898.01, 898.02, 899.01 and 899.02.

⁸² Geographic types determined from Zip Code membership for individuals home residence and based on the U.S. Health Resources and Services Administration - Federal Office of Rural Health Policy/US Department of Agriculture Economic Research Service's Rural Urban Commuting Areas (RUCA) coding scheme.

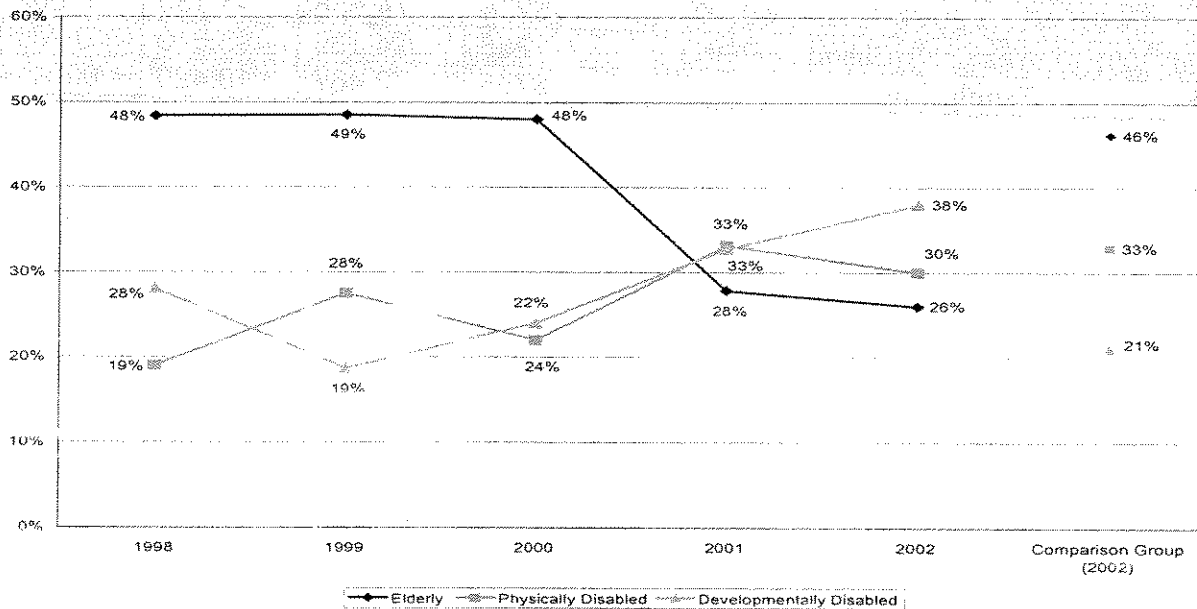
⁸³ While these individuals were selected into the original Comparison Group selection of 48,845, without complete available data for the two time periods examined, these individuals will not be utilized in the cost-effectiveness analysis sample.

list, as of December 31, 2002, 26 percent were elderly, 38 percent were developmentally disabled and 30 percent were physically disabled.

The largest portion of Comparison Group waiting list individuals (51.3 percent) were identified as “Receiving No Public Long-Term Care Funding.” Among the remaining individuals, 15.4 percent were designated as “Residing in an Institution” and 33.3 percent as “Receiving Some Public Long-Term Care Funding, but no COP or Waiver Funding.” Comparatively, among all individuals throughout Wisconsin who were on a waiting list as of December 31, 2002, six percent were residing in an institution, 64 percent received no public long-term care funding, and 29 percent received some public long-term care funding, but not COP or waiver funding.

Figure 1 illustrates the magnitude of individuals on the waiting list as of December 31 for years 1998 through 2002, statewide by target group⁸⁴. It is clearly evident that the elderly experienced a sharp decline from 2000 to 2001 (48 percent v. 28 percent, respectively). This can likely be attributed to the Milwaukee CMO not only being the largest county in Wisconsin, but the biggest Family Care CMO and one that began enrolling members in July 2000 to provide services only to the elderly, not the other two disability categories. Additionally included in this representation are the waiting list percentages for those individuals in this study’s Comparison Group. As the sample selection was designed to select individuals who looked like the Family Care population prior to enrollment began in 2000, it is not surprising to see these figures similar to the statewide figures prior to 2000.

Figure 6: Percent of Individual on Waiting List by Calendar Year and Target Group



Source: APS analysis of DHFS data.

⁸⁴ Wait list Summary Data figures for years 1998-2002 obtained from DHFS, Bureau of Aging and Long-Term Care Resources, Community Options Program updates.

Attachment 9: Difference Equations for Cost Effectiveness Analysis

Part I. Adjusted Average Level of Utilization and Expenditure 7-12 Months After Enrollment

Table A-1. Post-Enrollment Per Member Per Month Total LTC Expenditures

Variable	Label	Adj R-Sq		t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	-\$522	113.215	-4.610	<.0001
T4_CDPS	Illness Burden Index Score	\$1,100	20.707	53.130	<.0001
T4_FSIS	Functional Status Impairment	\$15	0.914	16.460	<.0001
t4_LYoL	Last year of life	-\$368	219.357	-1.680	0.093
T4_MC	Medicare eligible	-\$286	47.184	-6.060	<.0001
t4_RUCA	Rurality Index Score	-\$39	4.212	-9.330	<.0001
t4_Wavr	Waiver or COP eligible	\$881	36.187	24.340	<.0001
T4_Inst	Institutionalized	\$1,092	42.710	25.570	<.0001
missfsis	FSIS score is imputed	\$539	71.269	7.570	<.0001
DD	Dev. Disabled (v. Elderly)	\$1,115	36.976	30.150	<.0001
PD	Phys. Disabled (v. Elderly)	-\$105	42.738	-2.460	0.014
ed_2000	Year 2000 Cohort (v. 2002)	-\$234	74.688	-3.130	0.002
ed_2001	Year 2001 Cohort (v. 2002)	-\$268	74.139	-3.610	0.000
FC	Family Care	\$755	72.467	10.420	<.0001

Table A-2. Post-Enrollment Per Member Per Month Expenditures For State Center For Developmentally Disabled					
Variable	Label	Adj R-Sq	6.51%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	\$217	66.749	3.250	0.001
T4_CDPS	Illness Burden Index Score	\$220	12.208	17.990	<.0001
T4_FSIS	Functional Status Impairment	-\$2	0.539	-3.290	0.001
t4_LYoL	Last year of life	-\$95	129.327	-0.740	0.462
T4_MC	Medicare eligible	-\$182	27.819	-6.530	<.0001
t4_RUCA	Rurality Index Score	-\$10	2.483	-3.850	0.000
t4_Wavr	Waiver or COP eligible	-\$264	21.335	-12.380	<.0001
T4_Inst	Institutionalized	\$93	25.181	3.680	0.000
missfsis	FSIS score is imputed	\$23	42.018	0.540	0.589
DD	Dev. Disabled (v. Elderly)	\$152	21.800	6.950	<.0001
PD	Phys. Disabled (v. Elderly)	-\$87	25.197	-3.470	0.001
ed_2000	Year 2000 Cohort (v. 2002)	-\$61	44.034	-1.390	0.163
ed_2001	Year 2001 Cohort (v. 2002)	-\$70	43.710	-1.610	0.107
FC	Family Care	-\$186	42.725	-4.360	<.0001

**Table A-3. Post-Enrollment Per Member Per Month Expenditures
For Home Health**

		Adj R-Sq	4.06%		
Variable	Label	Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	-\$67	15.30609	-4.38	<.0001
T4_CDPS	Illness Burden Index Score	\$27	2.79944	9.73	<.0001
T4_FSIS	Functional Status Impairment	\$2	0.12352	14.18	<.0001
t4_LYoL	Last year of life	-\$18	29.65582	-0.6	0.5468
T4_MC	Medicare eligible	-\$30	6.37907	-4.64	<.0001
t4_RUCA	Rurality Index Score	\$1	0.56946	1.59	0.1122
t4_Wavr	Waiver or COP eligible	-\$6	4.89226	-1.25	0.2103
T4_Inst	Institutionalized	-\$24	5.77421	-4.11	<.0001
missfsis	FSIS score is imputed	\$47	9.63517	4.85	<.0001
DD	Dev. Disabled (v. Elderly)	-\$16	4.999	-3.21	0.0013
PD	Phys. Disabled (v. Elderly)	\$29	5.77796	4.95	<.0001
ed 2000	Year 2000 Cohort (v. 2002)	\$14	10.09734	1.42	0.1546
ed 2001	Year 2001 Cohort (v. 2002)	\$5	10.02316	0.47	0.6371
FC	Family Care	\$60	9.79717	6.14	<.0001

**Table A-4. Post-Enrollment Per Member Per Month Expenditures
For Intermediate Care Facility**

Variable	Label	Adj R-Sq	15.86%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	\$237	45.11288	5.25	<.0001
T4_CDPS	Illness Burden Index Score	\$137	8.25101	16.57	<.0001
T4_FSIS	Functional Status Impairment	-\$1	0.36405	-3.49	0.0005
t4_LYoL	Last year of life	-\$23	87.40702	-0.26	0.7916
T4_MC	Medicare eligible	-\$332	18.80155	-17.68	<.0001
t4_RUCA	Rurality Index Score	\$1	1.6784	0.89	0.3731
t4_Wavr	Waiver or COP eligible	-\$214	14.41935	-14.84	<.0001
T4_Inst	Institutionalized	\$336	17.01879	19.75	<.0001
missfsis	FSIS score is imputed	-\$17	28.39851	-0.59	0.5582
DD	Dev. Disabled (v. Elderly)	\$225	14.73397	15.26	<.0001
PD	Phys. Disabled (v. Elderly)	-\$56	17.02984	-3.31	0.0009
ed_2000	Year 2000 Cohort (v. 2002)	\$55	29.7607	1.85	0.0648
ed_2001	Year 2001 Cohort (v. 2002)	\$56	29.54206	1.9	0.0572
FC	Family Care	-\$199	28.87601	-6.88	<.0001

**Table A-5. Post-Enrollment Per Member Per Month Expenditures
For Nursing Home**

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u>	<u>25.99%</u>	<u>t-value</u>	<u>p-value</u>
		<u>Estimate</u>	<u>Std. Err.</u>		
Intercept	Intercept	\$24	38.38219	0.63	0.5315
T4_CDPS	Illness Burden Index Score	-\$26	7.01999	-3.65	0.0003
T4_FSIS	Functional Status Impairment	\$2	0.30973	5.61	<.0001
t4_LYoL	Last year of life	\$202	74.36618	2.72	0.0065
T4_MC	Medicare eligible	\$71	15.99642	4.43	<.0001
t4_RUCA	Rurality Index Score	-\$3	1.42799	-1.76	0.0788
t4_Wavr	Waiver or COP eligible	-\$92	12.26803	-7.47	<.0001
T4_Inst	Institutionalized	\$871	14.47964	60.14	<.0001
missfsis	FSIS score is imputed	\$62	24.16155	2.58	0.0099
DD	Dev. Disabled (v. Elderly)	-\$73	12.53571	-5.82	<.0001
PD	Phys. Disabled (v. Elderly)	\$0	14.48904	0.02	0.9822
ed_2000	Year 2000 Cohort (v. 2002)	-\$28	25.3205	-1.11	0.2691
ed_2001	Year 2001 Cohort (v. 2002)	-\$42	25.13449	-1.66	0.0974
FC	Family Care	-\$18	24.5678	-0.73	0.4651

Table A-6 Post-Enrollment Per Member Per Month Expenditures For Personal Care					
Variable	Label	Adj R-Sq	9.36%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	-\$161	33.6025	-4.79	<.0001
T4_CDPS	Illness Burden Index Score	\$138	6.1458	22.39	<.0001
T4_FSIS	Functional Status Impairment	\$4	0.27116	16.28	<.0001
t4_LYoL	Last year of life	-\$58	65.10544	-0.89	0.373
T4_MC	Medicare eligible	\$1	14.0044	0.04	0.9693
t4_RUCA	Rurality Index Score	-\$2	1.25016	-1.52	0.1283
t4_Wavr	Waiver or COP eligible	\$154	10.74031	14.33	<.0001
T4_Inst	Institutionalized	-\$146	12.67651	-11.56	<.0001
missfsis	FSIS score is imputed	\$36	21.15274	1.71	0.0877
DD	Dev. Disabled (v. Elderly)	-\$57	10.97465	-5.18	<.0001
PD	Phys. Disabled (v. Elderly)	-\$14	12.68474	-1.09	0.2738
ed_2000	Year 2000 Cohort (v. 2002)	\$28	22.16737	1.25	0.2102
ed_2001	Year 2001 Cohort (v. 2002)	\$40	22.00452	1.8	0.0711
FC	Family Care	\$56	21.5084	2.6	0.0092

Table A-7. Post-Enrollment Per Member Per Month Expenditure For Residential Care Facility					
Variable	Label	Adj R-Sq	7.35%		
		Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	-\$107	48.31652	-2.22	0.0267
T4_CDPS	Illness Burden Index Score	\$56	8.83695	6.38	<.0001
T4_FSIS	Functional Status Impairment	\$2	0.3899	5.46	<.0001
t4_LYoL	Last year of life	-\$77	93.61413	-0.82	0.4099
T4_MC	Medicare eligible	\$73	20.13672	3.64	0.0003
t4_RUCA	Rurality Index Score	-\$19	1.79759	-10.7	<.0001
t4_Wavr	Waiver or COP eligible	\$272	15.44332	17.64	<.0001
T4_Inst	Institutionalized	-\$57	18.22736	-3.14	0.0017
missfsis	FSIS score is imputed	\$78	30.4152	2.58	0.01
DD	Dev. Disabled (v. Elderly)	\$166	15.78029	10.52	<.0001
PD	Phys. Disabled (v. Elderly)	-\$106	18.23919	-5.83	<.0001
ed 2000	Year 2000 Cohort (v. 2002)	-\$69	31.87412	-2.18	0.0296
ed 2001	Year 2001 Cohort (v. 2002)	\$2	31.63996	0.08	0.9382
FC	Family Care	\$279	30.9266	9.03	<.0001

Table A-8. Post-Enrollment Per Member Per Month Expenditures For Supportive Home Care					
Variable	Label	Adj R-Sq	7.77%		
		Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	-\$298	56.92737	-5.23	<.0001
T4_CDPS	Illness Burden Index Score	\$107	10.41184	10.28	<.0001
T4_FSIS	Functional Status Impairment	\$5	0.45939	11.15	<.0001
t4_LYoL	Last year of life	-\$85	110.2978	-0.77	0.4417
T4_MC	Medicare eligible	\$50	23.72544	2.1	0.0356
t4_RUCA	Rurality Index Score	-\$8	2.11795	-3.6	0.0003
t4_Wavr	Waiver or COP eligible	\$398	18.19559	21.87	<.0001
T4_Inst	Institutionalized	-\$161	21.4758	-7.5	<.0001
missfsis	FSIS score is imputed	\$201	35.83572	5.6	<.0001
DD	Dev. Disabled (v. Elderly)	\$37	18.59261	2.01	0.0446
PD	Phys. Disabled (v. Elderly)	\$38	21.48973	1.76	0.079
ed_2000	Year 2000 Cohort (v. 2002)	-\$3	37.55465	-0.09	0.9309
ed_2001	Year 2001 Cohort (v. 2002)	-\$34	37.27875	-0.91	0.3643
FC	Family Care	\$335	36.43827	9.19	<.0001

**Table A-9 Post-Enrollment Per Member Per Month Expenditures
For Emergency Room**

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u>	<u>2.3%</u>	<u>t-value</u>	<u>p-value</u>
		<u>Estimate</u>	<u>Std. Err.</u>		
Intercept	Intercept	-\$0.45	0.32419	-1.38	0.1661
T4_CDPS	Illness Burden Index Score	\$0.65	0.05929	10.93	<.0001
T4_FSIS	Functional Status Impairment	\$0.00	0.00262	-0.79	0.428
t4_LYoL	Last year of life	\$2.14	0.62812	3.4	0.0007
T4_MC	Medicare eligible	\$1.28	0.13511	9.5	<.0001
t4_RUCA	Rurality Index Score	-\$0.05	0.01206	-4.05	<.0001
t4_Wavr	Waiver or COP eligible	\$0.20	0.10362	1.93	0.0538
T4_Inst	Institutionalized	-\$0.13	0.1223	-1.1	0.2716
missfsis	FSIS score is imputed	-\$0.62	0.20408	-3.03	0.0024
DD	Dev. Disabled (v. Elderly)	-\$0.42	0.10588	-3.94	<.0001
PD	Phys. Disabled (v. Elderly)	\$0.51	0.12238	4.2	<.0001
ed_2000	Year 2000 Cohort (v. 2002)	\$0.19	0.21386	0.87	0.3861
ed_2001	Year 2001 Cohort (v. 2002)	\$0.38	0.21229	1.77	0.0769
FC	Family Care	\$0.07	0.20751	0.35	0.725

**Table A-10. Post-Enrollment Per Member Per Month Expenditures
For Hospital Inpatient**

		Adj R-Sq	3.12%		
<u>Variable</u>	<u>Label</u>	<u>Estimate</u>	<u>Std. Err.</u>	<u>t-value</u>	<u>p-value</u>
Intercept	Intercept	\$329	47.47808	6.92	<.0001
T4 CDPS	Illness Burden Index Score	\$76	8.6836	8.78	<.0001
T4_FSIS	Functional Status Impairment	-\$1	0.38314	-1.34	0.1788
t4_LYoL	Last year of life	\$257	91.98964	2.79	0.0052
T4_MC	Medicare eligible	-\$314	19.78729	-15.86	<.0001
t4_RUCA	Rurality Index Score	-\$6	1.7664	-3.14	0.0017
t4_Wavr	Waiver or COP eligible	-\$29	15.17533	-1.94	0.0528
T4_Inst	Institutionalized	-\$30	17.91106	-1.68	0.0932
missfsis	FSIS score is imputed	-\$31	29.8874	-1.05	0.2955
DD	Dev. Disabled (v. Elderly)	-\$60	15.50645	-3.89	0.0001
PD	Phys. Disabled (v. Elderly)	\$53	17.92269	2.94	0.0033
ed_2000	Year 2000 Cohort (v. 2002)	\$8	31.32101	0.27	0.7908
ed_2001	Year 2001 Cohort (v. 2002)	\$42	31.09091	1.35	0.1761
FC	Family Care	-\$67	30.38993	-2.19	0.0284

**Table A-11 Post-Enrollment Per Member Per Month Expenditures
For Hospital Outpatient**

Variable	Label	Adj R-Sq Estimate	1.22% Std. Err.	t-value	p-value
Intercept	Intercept	\$111	19.02281	5.84	<.0001
T4_CDPS	Illness Burden Index Score	\$27	3.47921	7.64	<.0001
T4_FSIS	Functional Status Impairment	\$0	0.15351	-0.93	0.3537
t4_LYoL	Last year of life	-\$16	36.85704	-0.42	0.6739
T4_MC	Medicare eligible	-\$61	7.92808	-7.72	<.0001
t4_RUCA	Rurality Index Score	-\$1	0.70773	-1.34	0.1788
t4_Wavr	Waiver or COP eligible	-\$1	6.08023	-0.16	0.8756
T4_Inst	Institutionalized	-\$5	7.17634	-0.64	0.5201
missfsis	FSIS score is imputed	-\$5	11.97484	-0.46	0.6463
DD	Dev. Disabled (v. Elderly)	-\$39	6.2129	-6.3	<.0001
PD	Phys. Disabled (v. Elderly)	\$8	7.181	1.18	0.238
ed_2000	Year 2000 Cohort (v. 2002)	-\$46	12.54924	-3.67	0.0002
ed_2001	Year 2001 Cohort (v. 2002)	-\$43	12.45704	-3.44	0.0006
FC	Family Care	\$11	12.17619	0.9	0.3659

**Table A-12. Post-Enrollment Per Member Per Month Expenditures
For Physician Office**

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u>	<u>9.64%</u>	<u>t-value</u>	<u>p-value</u>
		<u>Estimate</u>	<u>Std. Err.</u>		
Intercept	Intercept	\$67	4.52217	14.88	<.0001
T4_CDPS	Illness Burden Index Score	\$10	0.82709	11.98	<.0001
T4_FSIS	Functional Status Impairment	\$0	0.03649	-4.51	<.0001
t4_LYoL	Last year of life	\$33	8.76178	3.76	0.0002
T4_MC	Medicare eligible	-\$57	1.88469	-30.03	<.0001
t4_RUCA	Rurality Index Score	-\$1	0.16825	-3.01	0.0026
t4_Wavr	Waiver or COP eligible	\$2	1.44541	1.44	0.1513
T4_Inst	Institutionalized	-\$1	1.70598	-0.47	0.6418
missfsis	FSIS score is imputed	-\$11	2.8467	-3.94	<.0001
DD	Dev. Disabled (v. Elderly)	-\$14	1.47695	-9.26	<.0001
PD	Phys. Disabled (v. Elderly)	\$13	1.70709	7.69	<.0001
ed_2000	Year 2000 Cohort (v. 2002)	\$2	2.98325	0.55	0.5808
ed_2001	Year 2001 Cohort (v. 2002)	\$5	2.96133	1.53	0.1257
FC	Family Care	-\$2	2.89456	-0.63	0.5272

Table A-13 Post-Enrollment Per Member Per Month Expenditures For Prescription Drug					
Variable	Label	Adj R-Sq Estimate	7.4% Std. Err.	t-value	p-value
Intercept	Intercept	\$106	24.28029	4.36	<.0001
T4_CDPS	Illness Burden Index Score	\$76	4.44079	17.09	<.0001
T4_FSIS	Functional Status Impairment	-\$1	0.19594	-4.17	<.0001
t4_LYoL	Last year of life	\$120	47.0435	2.55	0.0108
T4_MC	Medicare eligible	\$24	10.11922	2.36	0.0184
t4_RUCA	Rurality Index Score	\$2	0.90334	2.04	0.0415
t4_Wavr	Waiver or COP eligible	\$67	7.76067	8.69	<.0001
T4_Inst	Institutionalized	\$142	9.15972	15.54	<.0001
missfsis	FSIS score is imputed	\$5	15.28442	0.36	0.7195
DD	Dev. Disabled (v. Elderly)	-\$54	7.93	-6.76	<.0001
PD	Phys. Disabled (v. Elderly)	\$107	9.16566	11.64	<.0001
ed_2000	Year 2000 Cohort (v. 2002)	-\$37	16.01756	-2.32	0.0203
ed_2001	Year 2001 Cohort (v. 2002)	-\$10	15.89989	-0.61	0.5414
FC	Family Care	\$135	15.54141	8.66	<.0001

Table A-14. Post-Enrollment Per Member Per Month Utilization For State Center for The Developmentally Disabled Days

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u>	<u>6.54%</u>	<u>t-value</u>	<u>p-value</u>
		<u>Estimate</u>	<u>Std. Err.</u>		
Intercept	Intercept	0.488	0.162	3.01	0.0026
T4_CDPS	Illness Burden Index Score	0.536	0.030	18.09	<.0001
T4_FSIS	Functional Status Impairment	-0.004	0.001	-3.41	0.0006
t4_LYoL	Last year of life	-0.223	0.314	-0.71	0.4768
T4_MC	Medicare eligible	-0.421	0.067	-6.24	<.0001
t4_RUCA	Rurality Index Score	-0.025	0.006	-4.1	<.0001
t4_Wavr	Waiver or COP eligible	-0.647	0.052	-12.51	<.0001
T4_Inst	Institutionalized	0.218	0.061	3.58	0.0003
missfsis	FSIS score is imputed	0.054	0.102	0.53	0.5993
DD	Dev. Disabled (v. Elderly)	0.369	0.053	6.98	<.0001
PD	Phys. Disabled (v. Elderly)	-0.211	0.061	-3.45	0.0006
ed_2000	Year 2000 Cohort (v. 2002)	-0.114	0.107	-1.06	0.2872
ed_2001	Year 2001 Cohort (v. 2002)	-0.138	0.106	-1.3	0.1938
FC	Family Care	-0.464	0.104	-4.47	<.0001

**Table A-15 Post-Enrollment Per Member Per Month Utilization
For Home Health Visits**

Variable	Label	Adj R-Sq	6.31%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	-0.920	0.160	-5.74	<.0001
T4_CDPS	Illness Burden Index Score	0.221	0.029	7.55	<.0001
T4_FSIS	Functional Status Impairment	0.022	0.001	17.36	<.0001
t4_LYoL	Last year of life	-0.056	0.310	-0.18	0.8567
T4_MC	Medicare eligible	-0.211	0.067	-3.16	0.0016
t4_RUCA	Rurality Index Score	0.014	0.006	2.29	0.0223
t4_Wavr	Waiver or COP eligible	-0.080	0.051	-1.56	0.1194
T4_Inst	Institutionalized	-0.202	0.060	-3.35	0.0008
missfsis	FSIS score is imputed	0.591	0.101	5.86	<.0001
DD	Dev. Disabled (v. Elderly)	-0.077	0.052	-1.48	0.1396
PD	Phys. Disabled (v. Elderly)	0.459	0.060	7.6	<.0001
ed 2000	Year 2000 Cohort (v. 2002)	0.247	0.106	2.34	0.0193
ed 2001	Year 2001 Cohort (v. 2002)	-0.023	0.105	-0.22	0.8271
FC	Family Care	0.966	0.103	9.42	<.0001

Table A-16. Post-Enrollment Per Member Per Month Utilization For Intermediate Care Facility Days					
Variable	Label	Adj R-Sq	19.93%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	1.048	0.258	4.06	<.0001
T4_CDPS	Illness Burden Index Score	0.886	0.047	18.77	<.0001
T4_FSIS	Functional Status Impairment	-0.009	0.002	-4.23	<.0001
t4_LYoL	Last year of life	-0.067	0.500	-0.13	0.8927
T4_MC	Medicare eligible	-1.782	0.108	-16.55	<.0001
t4_RUCA	Rurality Index Score	0.010	0.010	1.05	0.2928
t4_Wavr	Waiver or COP eligible	-1.414	0.083	-17.13	<.0001
T4_Inst	Institutionalized	2.467	0.097	25.33	<.0001
missfsis	FSIS score is imputed	-0.074	0.163	-0.46	0.6474
DD	Dev. Disabled (v. Elderly)	1.523	0.084	18.06	<.0001
PD	Phys. Disabled (v. Elderly)	-0.311	0.097	-3.19	0.0014
ed_2000	Year 2000 Cohort (v. 2002)	0.476	0.170	2.79	0.0053
ed_2001	Year 2001 Cohort (v. 2002)	0.347	0.169	2.05	0.0402
FC	Family Care	-1.188	0.165	-7.19	<.0001

Table A-17. Post-Enrollment Per Member Per Month Utilization For Monthly Nursing Home Days					
Variable	Label	Adj R-Sq	30.92%		
		Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	0.007	0.387	0.02	0.9852
T4_CDPS	Illness Burden Index Score	-0.449	0.071	-6.35	<.0001
T4_FSIS	Functional Status Impairment	0.015	0.003	4.9	<.0001
t4_LYoL	Last year of life	2.536	0.749	3.39	0.0007
T4_MC	Medicare eligible	0.989	0.161	6.14	<.0001
t4_RUCA	Rurality Index Score	0.021	0.014	1.43	0.1519
t4_Wavr	Waiver or COP eligible	-1.117	0.124	-9.04	<.0001
T4_Inst	Institutionalized	9.845	0.146	67.5	<.0001
missfsis	FSIS score is imputed	0.840	0.243	3.45	0.0006
DD	Dev. Disabled (v. Elderly)	-0.929	0.126	-7.36	<.0001
PD	Phys. Disabled (v. Elderly)	-0.152	0.146	-1.04	0.2987
ed_2000	Year 2000 Cohort (v. 2002)	-0.158	0.255	-0.62	0.5355
ed_2001	Year 2001 Cohort (v. 2002)	-0.384	0.253	-1.52	0.1289
FC	Family Care	-0.150	0.247	-0.6	0.5456

**Table A-18 Post-Enrollment Per Member Per Month Utilization
For Personal Care Hours**

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u>	<u>9.22%</u>	<u>t-value</u>	<u>p-value</u>
		<u>Estimate</u>	<u>Std. Err.</u>		
Intercept	Intercept	-10.604	2.188	-4.85	<.0001
T4_CDPS	Illness Burden Index Score	8.963	0.400	22.4	<.0001
T4_FSIS	Functional Status Impairment	0.276	0.018	15.63	<.0001
t4_LYoL	Last year of life	-3.638	4.240	-0.86	0.3909
T4_MC	Medicare eligible	0.059	0.912	0.06	0.9482
t4_RUCA	Rurality Index Score	-0.127	0.081	-1.56	0.1194
t4_Wavr	Waiver or COP eligible	10.040	0.699	14.35	<.0001
T4_Inst	Institutionalized	-9.595	0.826	-11.62	<.0001
missfsis	FSIS score is imputed	2.417	1.378	1.75	0.0793
DD	Dev. Disabled (v. Elderly)	-3.618	0.715	-5.06	<.0001
PD	Phys. Disabled (v. Elderly)	-0.816	0.826	-0.99	0.3235
ed_2000	Year 2000 Cohort (v. 2002)	1.961	1.444	1.36	0.1744
ed_2001	Year 2001 Cohort (v. 2002)	2.636	1.433	1.84	0.0658
FC	Family Care	3.642	1.401	2.6	0.0093

**Table A-19. Post-Enrollment Per Member Per Month Utilization
For Residential Care Facility Days**

Variable	Label	Adj R-Sq	7.97%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	-0.864	0.469	-1.84	0.0659
T4_CDPS	Illness Burden Index Score	0.242	0.086	2.82	0.0048
T4_FSIS	Functional Status Impairment	0.008	0.004	2.14	0.0325
t4_LYoL	Last year of life	-0.170	0.910	-0.19	0.8514
T4_MC	Medicare eligible	0.506	0.196	2.59	0.0097
t4_RUCA	Rurality Index Score	-0.110	0.017	-6.31	<.0001
t4_Wavr	Waiver or COP eligible	3.564	0.150	23.75	<.0001
T4_Inst	Institutionalized	-0.677	0.177	-3.82	0.0001
missfsis	FSIS score is imputed	0.550	0.296	1.86	0.0627
DD	Dev. Disabled (v. Elderly)	1.332	0.153	8.68	<.0001
PD	Phys. Disabled (v. Elderly)	-1.014	0.177	-5.72	<.0001
ed_2000	Year 2000 Cohort (v. 2002)	0.335	0.310	1.08	0.2793
ed_2001	Year 2001 Cohort (v. 2002)	0.076	0.307	0.25	0.8058
FC	Family Care	1.012	0.301	3.37	0.0008

Table A-20. Post-Enrollment Per Member Per Month Utilization For Supportive Home Care Days					
Variable	Label	Adj R-Sq	12.25%		
		Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	-2.110	0.416	-5.07	<.0001
T4_CDPS	Illness Burden Index Score	0.744	0.076	9.77	<.0001
T4_FSIS	Functional Status Impairment	0.051	0.003	15.25	<.0001
t4_LYoL	Last year of life	-0.577	0.807	-0.72	0.4746
T4_MC	Medicare eligible	0.326	0.174	1.88	0.0602
t4_RUCA	Rurality Index Score	-0.119	0.015	-7.71	<.0001
t4_Wavr	Waiver or COP eligible	4.188	0.133	31.47	<.0001
T4_Inst	Institutionalized	-1.318	0.157	-8.39	<.0001
missfsis	FSIS score is imputed	2.108	0.262	8.04	<.0001
DD	Dev. Disabled (v. Elderly)	-1.089	0.136	-8.01	<.0001
PD	Phys. Disabled (v. Elderly)	0.207	0.157	1.32	0.1873
ed_2000	Year 2000 Cohort (v. 2002)	-0.239	0.275	-0.87	0.3837
ed_2001	Year 2001 Cohort (v. 2002)	-0.314	0.273	-1.15	0.2496
FC	Family Care	3.828	0.267	14.36	<.0001

**Table A-21 Post-Enrollment Per Member Per Month Utilization
For Emergency Room Visits**

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u> <u>Estimate</u>	<u>2.35%</u> <u>Std. Err.</u>	<u>t-value</u>	<u>p-value</u>
Intercept	Intercept	0.023	0.009	2.45	0.0142
T4_CDPS	Illness Burden Index Score	0.022	0.002	13.31	<.0001
T4_FSIS	Functional Status Impairment	0.000	0.000	-3.24	0.0012
t4_LYoL	Last year of life	0.029	0.018	1.65	0.0993
T4_MC	Medicare eligible	-0.010	0.004	-2.62	0.0088
t4_RUCA	Rurality Index Score	0.000	0.000	-1.04	0.2999
t4_Wavr	Waiver or COP eligible	0.008	0.003	2.74	0.0062
T4_Inst	Institutionalized	-0.011	0.003	-3.14	0.0017
missfsis	FSIS score is imputed	-0.010	0.006	-1.74	0.0826
DD	Dev. Disabled (v. Elderly)	-0.011	0.003	-3.62	0.0003
PD	Phys. Disabled (v. Elderly)	0.023	0.003	6.7	<.0001
ed 2000	Year 2000 Cohort (v. 2002)	0.004	0.006	0.66	0.5076
ed 2001	Year 2001 Cohort (v. 2002)	0.011	0.006	1.79	0.0739
FC	Family Care	0.012	0.006	2.01	0.0443

**Table A-22. Post-Enrollment Per Member Per Month Utilization
For Hospital Inpatient Admissions**

Variable	Label	Adj R-Sq	6.42%	Std. Err.	t-value	p-value
Intercept	Intercept	0.030	0.006	5.2	<.0001	
T4_CDPS	Illness Burden Index Score	0.022	0.001	21.27	<.0001	
T4_FSIS	Functional Status Impairment	0.000	0.000	-2.47	0.0136	
t4_LYoL	Last year of life	0.102	0.011	9.14	<.0001	
T4_MC	Medicare eligible	-0.021	0.002	-8.9	<.0001	
t4_RUCA	Rurality Index Score	0.000	0.000	-0.83	0.4051	
t4_Wavr	Waiver or COP eligible	0.011	0.002	6.01	<.0001	
T4_Inst	Institutionalized	0.007	0.002	3.01	0.0026	
missfsis	FSIS score is imputed	-0.008	0.004	-2.22	0.0264	
DD	Dev. Disabled (v. Elderly)	-0.029	0.002	-15.63	<.0001	
PD	Phys. Disabled (v. Elderly)	0.003	0.002	1.17	0.2413	
ed_2000	Year 2000 Cohort (v. 2002)	0.000	0.004	-0.12	0.9049	
ed_2001	Year 2001 Cohort (v. 2002)	0.003	0.004	0.9	0.3673	
FC	Family Care	0.008	0.004	2.21	0.027	

**Table A-23. Post-Enrollment Per Member Per Month Utilization
For Hospital Inpatient Days**

Variable	Label	Adj R-Sq	3.25% Std. Err.	t-value	p-value
Intercept	Intercept	0.357	0.077	4.62	<.0001
T4_CDPS	Illness Burden Index Score	0.210	0.014	14.87	<.0001
T4_FSIS	Functional Status Impairment	-0.001	0.001	-1.43	0.1526
t4_LYoL	Last year of life	0.946	0.150	6.32	<.0001
T4_MC	Medicare eligible	-0.295	0.032	-9.16	<.0001
t4_RUCA	Rurality Index Score	-0.011	0.003	-3.67	0.0002
t4_Wavr	Waiver or COP eligible	0.028	0.025	1.14	0.2544
T4_Inst	Institutionalized	0.024	0.029	0.83	0.4039
missfsis	FSIS score is imputed	-0.089	0.049	-1.84	0.066
DD	Dev. Disabled (v. Elderly)	-0.196	0.025	-7.76	<.0001
PD	Phys. Disabled (v. Elderly)	0.037	0.029	1.26	0.2061
ed_2000	Year 2000 Cohort (v. 2002)	0.001	0.051	0.01	0.9921
ed_2001	Year 2001 Cohort (v. 2002)	0.052	0.051	1.04	0.2993
FC	Family Care	-0.044	0.049	-0.89	0.3742

**Table A-24 Post-Enrollment Per Member Per Month Utilization
For Hospital Outpatient Visits**

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u>	<u>4.75%</u>	<u>t-value</u>	<u>p-value</u>
		<u>Estimate</u>	<u>Std. Err.</u>		
Intercept	Intercept	0.354	0.038	9.4	<.0001
T4_CDPS	Illness Burden Index Score	0.111	0.007	16.07	<.0001
T4_FSIS	Functional Status Impairment	-0.001	0.000	-4.53	<.0001
t4_LYoL	Last year of life	-0.006	0.073	-0.08	0.9364
T4_MC	Medicare eligible	-0.188	0.016	-11.94	<.0001
t4_RUCA	Rurality Index Score	-0.002	0.001	-1.4	0.1614
t4_Wavr	Waiver or COP eligible	0.001	0.012	0.08	0.9355
T4_Inst	Institutionalized	-0.032	0.014	-2.22	0.0266
missfsis	FSIS score is imputed	-0.056	0.024	-2.37	0.0178
DD	Dev. Disabled (v. Elderly)	-0.128	0.012	-10.37	<.0001
PD	Phys. Disabled (v. Elderly)	0.108	0.014	7.58	<.0001
ed_2000	Year 2000 Cohort (v. 2002)	-0.061	0.025	-2.44	0.0146
ed_2001	Year 2001 Cohort (v. 2002)	-0.018	0.025	-0.74	0.4577
FC	Family Care	0.028	0.024	1.17	0.2403

**Table A-25. Post-Enrollment Per Member Per Month Utilization
For Physician Office Visits**

		Adj R-Sq	9.63%		
<u>Variable</u>	<u>Label</u>	<u>Estimate</u>	<u>Std. Err.</u>	<u>t-value</u>	<u>p-value</u>
Intercept	Intercept	0.860	0.060	14.24	<.0001
T4_CDPS	Illness Burden Index Score	0.225	0.011	20.34	<.0001
T4_FSIS	Functional Status Impairment	-0.004	0.000	-7.47	<.0001
t4_LYoL	Last year of life	0.742	0.117	6.34	<.0001
T4_MC	Medicare eligible	-0.544	0.025	-21.63	<.0001
t4_RUCA	Rurality Index Score	-0.011	0.002	-4.86	<.0001
t4_Wavr	Waiver or COP eligible	0.033	0.019	1.69	0.0906
T4_Inst	Institutionalized	-0.009	0.023	-0.4	0.6925
missfsis	FSIS score is imputed	-0.194	0.038	-5.09	<.0001
DD	Dev. Disabled (v. Elderly)	-0.244	0.020	-12.39	<.0001
PD	Phys. Disabled (v. Elderly)	0.182	0.023	7.99	<.0001
ed_2000	Year 2000 Cohort (v. 2002)	0.014	0.040	0.35	0.7248
ed_2001	Year 2001 Cohort (v. 2002)	0.050	0.040	1.27	0.2036
FC	Family Care	0.046	0.039	1.2	0.2316

**Table A-26. Post-Enrollment Per Member Per Month Utilization
For Prescription Drug Claims Paid**

<u>Variable</u>	<u>Label</u>	<u>Adj R-Sq</u>	14.29%	<u>t-value</u>	<u>p-value</u>
		<u>Estimate</u>	<u>Std. Err.</u>		
Intercept	Intercept	3.130	0.273	11.48	<.0001
T4_CDPS	Illness Burden Index Score	0.925	0.050	18.55	<.0001
T4_FSIS	Functional Status Impairment	-0.013	0.002	-6.07	<.0001
t4_LYoL	Last year of life	0.702	0.528	1.33	0.1837
T4_MC	Medicare eligible	0.538	0.114	4.73	<.0001
t4_RUCA	Rurality Index Score	-0.006	0.010	-0.59	0.5533
t4_Wavr	Waiver or COP eligible	2.030	0.087	23.3	<.0001
T4_Inst	Institutionalized	1.648	0.103	16.03	<.0001
missfsis	FSIS score is imputed	-0.189	0.172	-1.1	0.2711
DD	Dev. Disabled (v. Elderly)	-2.461	0.089	-27.64	<.0001
PD	Phys. Disabled (v. Elderly)	0.601	0.103	5.84	<.0001
ed_2000	Year 2000 Cohort (v. 2002)	-0.448	0.180	-2.49	0.0127
ed_2001	Year 2001 Cohort (v. 2002)	-0.183	0.179	-1.03	0.3053
FC	Family Care	2.328	0.175	13.34	<.0001

Part II. Adjusted Average Change from 1-6 Mo. Before to 7-12 Mo. After Enrollment.

Table A-27 Pre- and Post-Enrollment Differences For Total LTC Expenditures					
Variable	Label	Adj R-Sq	4.35%		
		Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	\$112	54.470	2.060	0.039
T42CDPS	Diff. Illness Burden Index	\$78	15.030	5.180	<.0001
T42FSIS	Diff. Functional Status Impairment	\$29	23.540	1.250	0.210
t42LYoL	Diff. Last year of life	\$23	124.357	0.180	0.856
T42MC	Diff. Medicare eligibility	-\$127	62.558	-2.030	0.043
t42RUCA	Diff. Rurality Index Score	-\$89	17.188	-5.160	<.0001
t42Wavr	Diff. Waiver or COP eligible	\$258	24.047	10.740	<.0001
t42Inst	Diff. Institutionalization	\$539	25.344	21.260	<.0001
missfsis	FSIS score is imputed	\$33	37.820	0.880	0.379
DD	Dev. Disabled (v. Elderly)	\$134	19.085	7.030	<.0001
PD	Phys. Disabled (v. Elderly)	-\$33	23.372	-1.410	0.159
ed 2000	Year 2000 Cohort (v. 2002)	\$59	42.215	1.390	0.165
ed 2001	Year 2001 Cohort (v. 2002)	-\$30	42.057	-0.720	0.474
FC	Family Care	\$405	42.834	9.450	<.0001

Table A-28. Pre- and Post-Enrollment Differences For State Center For The Developmentally Disabled Expenditures					
Variable	Label	Adj R-Sq	0.85%		
		Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	\$2.83	23.035	0.120	0.902
T42CDPS	Diff. Illness Burden Index	-\$11.53	6.356	-1.810	0.070
T42FSIS	Diff. Functional Status Impairment	\$7.99	9.955	0.800	0.422
t42LYoL	Diff. Last year of life	-\$0.10	52.591	0.000	0.999
T42MC	Diff. Medicare eligibility	-\$27.51	26.456	-1.040	0.299
t42RUCA	Diff. Rurality Index Score	-\$73.25	7.269	10.080	<.0001
t42Wavr	Diff. Waiver or COP eligible	-\$23.15	10.170	-2.280	0.023
t42Inst	Diff. Institutionalization	\$44.08	10.718	4.110	<.0001
missfsis	FSIS score is imputed	-\$7.87	15.994	-0.490	0.623
DD	Dev. Disabled (v. Elderly)	\$11.44	8.071	1.420	0.156
PD	Phys. Disabled (v. Elderly)	\$5.45	9.884	0.550	0.581
ed 2000	Year 2000 Cohort (v. 2002)	\$2.55	17.853	0.140	0.886
ed 2001	Year 2001 Cohort (v. 2002)	-\$0.12	17.786	-0.010	0.995
FC	Family Care	\$21.50	18.115	-1.190	0.235

Table A-29. Pre- and Post-Enrollment Differences of Monthly Home Health Expenditures					
Variable	Label	Adj R-Sq	1.46%		
		Estimate	Std. Err.	t-value	p-value
Intercept	Intercept	-\$12	13.785	-0.840	0.401
T42CDPS	Diff. Illness Burden Index	-\$11	3.804	-2.770	0.006
T42FSIS	Diff. Functional Status Impairment	\$10	5.958	1.750	0.079
t42LYoL	Diff. Last year of life	\$1	31.472	0.050	0.963
T42MC	Diff. Medicare eligibility	-\$24	15.832	-1.500	0.133
t42RUCA	Diff. Rurality Index Score	\$0	4.350	-0.070	0.948
t42Wavr	Diff. Waiver or COP eligible	-\$23	6.086	-3.830	0.000
t42Inst	Diff. Institutionalization	\$0	6.414	0.030	0.975
missfsis	FSIS score is imputed	-\$5	9.572	-0.570	0.568
DD	Dev. Disabled (v. Elderly)	\$9	4.830	1.760	0.078
PD	Phys. Disabled (v. Elderly)	\$34	5.915	5.830	<.0001
ed 2000	Year 2000 Cohort (v. 2002)	\$12	10.684	1.080	0.279
ed 2001	Year 2001 Cohort (v. 2002)	\$4	10.644	0.350	0.727
FC	Family Care	\$35	10.841	3.260	0.001

Table A-30. Pre- and Post-Enrollment Differences of Monthly Intermediate Care Facility Expenditures

Variable	Label	Adj R-Sq	.77%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	-\$7	26.392	-0.270	0.786
T42CDPS	Diff. Illness Burden Index	\$29	7.282	3.930	<.0001
T42FSIS	Diff. Functional Status Impairment	-\$13	11.406	-1.100	0.272
t42LYoL	Diff. Last year of life	\$0	60.253	0.000	0.997
T42MC	Diff. Medicare eligibility	-\$6	30.310	-0.190	0.850
t42RUCA	Diff. Rurality Index Score	-\$27	8.328	-3.300	0.001
t42Wavr	Diff. Waiver or COP eligible	-\$69	11.651	-5.940	<.0001
t42Inst	Diff. Institutionalization	\$68	12.280	5.550	<.0001
missfsis	FSIS score is imputed	-\$1	18.325	-0.050	0.957
DD	Dev. Disabled (v. Elderly)	\$0	9.247	-0.010	0.993
PD	Phys. Disabled (v. Elderly)	\$2	11.324	0.200	0.845
ed_2000	Year 2000 Cohort (v. 2002)	-\$3	20.454	-0.160	0.873
ed_2001	Year 2001 Cohort (v. 2002)	\$13	20.378	0.630	0.532
FC	Family Care	-\$62	20.754	-2.980	0.003

Table A-31. Pre- and Post-Enrollment Differences of Monthly Nursing Home Expenditures

Variable	Label	Adj R-Sq	8.59%	t-value	p-value
		Estimate	Std. Err.		
Intercept	Intercept	\$5	31.457	0.160	0.876
T42CDPS	Diff. Illness Burden Index	\$16	8.680	1.860	0.063
T42FSIS	Diff. Functional Status Impairment	\$39	13.595	2.860	0.004
t42LYoL	Diff. Last year of life	\$189	71.817	2.630	0.009
T42MC	Diff. Medicare eligibility	-\$51	36.128	-1.410	0.158
t42RUCA	Diff. Rurality Index Score	-\$27	9.926	-2.690	0.007
t42Wavr	Diff. Waiver or COP eligible	-\$113	13.887	-8.120	<.0001
t42Inst	Diff. Institutionalization	\$462	14.637	31.580	<.0001
missfsis	FSIS score is imputed	\$47	21.842	2.130	0.033
DD	Dev. Disabled (v. Elderly)	-\$50	11.022	-4.490	<.0001
PD	Phys. Disabled (v. Elderly)	-\$16	13.498	-1.220	0.222
ed 2000	Year 2000 Cohort (v. 2002)	\$8	24.379	0.320	0.752
ed 2001	Year 2001 Cohort (v. 2002)	-\$1	24.288	-0.030	0.977
FC	Family Care	\$4	24.737	0.170	0.867