

Appendix J
Impact Analysis:
Application of Edits to “Illogical”
Combinations of Therapy Procedure Codes
(HCPCS) with Reported Line or Claim
Diagnosis (ICD-9-CM) Codes-
Physical Therapy Services
(CY 2002 Reference Year)

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Appendix J Impact Analysis “Illogical” Combinations of Therapy Procedure Codes with Reported Line or Claim Diagnosis Codes: Physical Therapy Services

*Feasibility and Impact Analysis: Application of Various Outpatient Therapy Service Claim HCPCS Edits
Outpatient Rehabilitation Services Payment System Evaluation Contract*

Task Order # 500-99-0009/0009 Deliverable # 6 Report of Potential Patterns of Vulnerability Final November 15, 2004

Appendix J-Table 1: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – All Settings

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	727,994	969,547	\$21,211,316	\$16,731,128	87,113,746	0.84%
97001	20,914	21,685	\$1,487,444	\$1,153,151	3,222,006	0.65%
97002	2,004	12,065	\$80,291	\$63,039	482,900	0.41%
97003	5,816	16,476	\$420,313	\$327,629	17,564	33.11%
97004	1,049	1,138	\$50,063	\$39,561	29,746	3.53%
97010	6,619	6,991	\$68,942	\$51,447	6,619	100.00%
97012	49,064	49,526	\$655,015	\$521,275	739,741	6.63%
97014	60,128	61,399	\$869,903	\$691,102	6,755,568	0.89%
97016	24,427	33,092	\$377,206	\$299,985	107,103	22.81%
97018	5,909	5,979	\$42,396	\$33,899	116,144	5.09%
97020	357	402	\$8,434	\$6,479	1,941	18.39%
97022	17,067	18,166	\$291,672	\$231,559	558,249	3.06%
97024	10,244	10,917	\$49,768	\$39,721	146,904	6.97%
97026	5,025	6,216	\$24,544	\$19,573	85,542	5.87%
97028	867	931	\$5,049	\$4,033	11,905	7.28%
97032	57,003	73,342	\$1,213,097	\$966,390	1,770,210	3.22%
97033	41,184	48,575	\$683,747	\$543,643	396,241	10.39%
97034	6,421	7,527	\$95,799	\$76,088	23,386	27.46%
97035	81,209	85,467	\$926,442	\$737,244	7,490,378	1.08%
97036	795	1,029	\$23,154	\$18,353	26,918	2.95%
97110	95,462	168,729	\$4,496,944	\$3,529,006	29,642,658	0.32%
97112	20,412	27,412	\$761,856	\$600,894	6,008,288	0.34%
97113	6,907	16,204	\$474,976	\$374,664	1,067,135	0.65%
97116	17,022	29,666	\$493,923	\$388,390	7,426,559	0.23%
97124	18,775	22,528	\$455,309	\$360,942	2,288,198	0.82%
97140	86,387	118,107	\$2,935,761	\$2,328,938	9,106,982	0.95%
97150	4,082	7,955	\$141,616	\$112,712	764,344	0.53%
97504	1,641	2,270	\$61,124	\$47,914	110,852	1.48%
97520	1,333	2,353	\$58,595	\$46,247	62,400	2.14%
97530	33,547	50,724	\$1,656,887	\$1,306,900	7,293,751	0.46%
97532	2,803	6,896	\$162,988	\$130,177	6,482	43.24%
97533	2,107	4,979	\$110,174	\$87,893	6,959	30.28%
97535	7,787	10,896	\$323,531	\$252,123	527,377	1.48%
97537	2,355	3,151	\$143,697	\$112,781	8,957	26.29%
97542	8,237	9,092	\$460,694	\$358,298	106,296	7.75%
97601	19,813	22,101	\$960,112	\$758,616	597,063	3.32%
97703	518	838	\$22,800	\$17,552	19,416	2.67%
97750	2,704	4,723	\$117,049	\$92,910	80,964	3.34%

Appendix J Impact Analysis “Illogical” Combinations of Therapy Procedure Codes with Reported Line or Claim Diagnosis Codes: Physical Therapy Services

Feasibility and Impact Analysis: Application of Various Outpatient Therapy Service Claim HCPCS Edits
Outpatient Rehabilitation Services Payment System Evaluation Contract

Appendix J- Table 2: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Institutional Settings

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	94,954	169,785	\$4,672,830	\$3,598,551	53,321,257	0.18%
97001	10,092	10,746	\$754,320	\$573,847	2,320,356	0.43%
97002	1,080	11,134	\$47,781	\$37,257	317,055	0.34%
97003	3,506	14,059	\$262,715	\$203,055	3,506	100.00%
97004	652	736	\$31,643	\$24,861	652	100.00%
97010	6,609	6,912	\$68,779	\$51,320	6,609	100.00%
97012	384	402	\$5,620	\$4,461	376,270	0.10%
97014	1,003	1,423	\$20,966	\$15,933	2,860,327	0.04%
97016	296	505	\$5,639	\$4,252	53,634	0.55%
97018	15	15	\$114	\$88	52,492	0.03%
97020	21	37	\$7,038	\$5,366	1,605	1.31%
97022	2,004	2,337	\$40,860	\$32,288	348,669	0.57%
97024	168	430	\$2,018	\$1,589	63,270	0.27%
97026	106	339	\$1,414	\$1,105	30,748	0.34%
97028	192	256	\$1,343	\$1,070	10,379	1.85%
97032	1,124	2,677	\$48,067	\$38,206	541,953	0.21%
97033	991	1,257	\$18,230	\$14,376	313,541	0.32%
97034	14	20	\$291	\$224	10,566	0.13%
97035	1,493	1,709	\$19,936	\$15,711	3,340,065	0.04%
97036	164	298	\$6,877	\$5,458	13,716	1.20%
97110	16,452	35,416	\$1,034,566	\$784,885	18,937,540	0.09%
97112	2,400	3,855	\$117,002	\$89,360	4,164,961	0.06%
97113	2,235	5,795	\$174,511	\$136,823	742,496	0.30%
97116	7,002	18,247	\$234,017	\$181,392	6,917,320	0.10%
97124	1,591	1,943	\$42,274	\$32,418	961,415	0.17%
97140	8,043	11,798	\$311,506	\$245,012	4,165,935	0.19%
97150	1,345	1,536	\$28,986	\$22,736	677,876	0.20%
97504	827	1,194	\$33,558	\$26,123	95,722	0.86%
97520	485	1,091	\$28,555	\$22,548	59,174	0.82%
97530	10,629	16,436	\$568,662	\$442,603	4,871,314	0.22%
97532	5	9	\$207	\$166	2,763	0.18%
97533	34	56	\$1,326	\$1,028	3,648	0.93%
97535	2,420	3,250	\$105,850	\$78,885	359,326	0.67%
97537	339	559	\$14,822	\$11,572	4,656	7.28%
97542	2,336	3,097	\$142,454	\$111,803	104,387	2.24%
97601	8,035	8,841	\$454,929	\$353,711	523,985	1.53%
97703	527	793	\$19,390	\$14,424	15,320	3.44%
97750	335	577	\$16,566	\$12,598	48,006	0.70%

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Appendix J- Table 2.1: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Hospital

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	Illogical' Percent of Total Paid Lines
Total	633,379	800,321	\$16,553,309	\$13,144,149	33,792,489	1.87%
97001	10,822	10,939	\$733,124	\$579,304	901,650	1.20%
97002	924	931	\$32,510	\$25,782	165,845	0.56%
97003	2,310	2,417	\$157,598	\$124,574	14,058	16.43%
97004	397	402	\$18,420	\$14,700	29,094	1.36%
97010	10	79	\$163	\$128	10	100.00%
97012	48,680	49,124	\$649,395	\$516,814	363,471	13.39%
97014	59,125	59,976	\$848,938	\$675,169	3,895,241	1.52%
97016	24,131	32,587	\$371,567	\$295,733	53,469	45.13%
97018	5,894	5,964	\$42,282	\$33,811	63,652	9.26%
97020	336	365	\$1,396	\$1,113	336	100.00%
97022	15,063	15,829	\$250,812	\$199,271	209,580	7.19%
97024	10,076	10,487	\$47,750	\$38,132	83,634	12.05%
97026	4,919	5,877	\$23,130	\$18,468	54,794	8.98%
97028	675	675	\$3,706	\$2,963	1,526	44.23%
97032	55,879	70,665	\$1,165,030	\$928,184	1,228,257	4.55%
97033	40,193	47,318	\$665,517	\$529,267	82,700	48.60%
97034	6,407	7,507	\$95,509	\$75,864	12,820	49.98%
97035	79,716	83,758	\$906,506	\$721,532	4,150,313	1.92%
97036	631	731	\$16,276	\$12,895	13,202	4.78%
97110	79,010	133,313	\$3,462,379	\$2,744,121	10,705,118	0.74%
97112	18,012	23,557	\$644,854	\$511,535	1,843,327	0.98%
97113	4,672	10,409	\$300,465	\$237,842	324,639	1.44%
97116	10,020	11,419	\$259,906	\$206,998	509,239	1.97%
97124	17,184	20,585	\$413,035	\$328,523	1,326,783	1.30%
97140	78,344	106,309	\$2,624,255	\$2,083,925	4,941,047	1.59%
97150	2,737	6,419	\$112,631	\$89,976	86,468	3.17%
97504	814	1,076	\$27,566	\$21,791	15,130	5.38%
97520	848	1,262	\$30,040	\$23,699	3,226	26.29%
97530	22,918	34,288	\$1,088,226	\$864,297	2,422,437	0.95%
97532	2,798	6,887	\$162,781	\$130,012	3,719	75.24%
97533	2,073	4,923	\$108,848	\$86,865	3,311	62.61%
97535	5,367	7,646	\$217,681	\$173,238	168,051	3.19%
97537	19	54	\$1,243	\$978	4,301	0.44%
97542	202	251	\$5,765	\$4,587	1,909	10.58%
97601	19,286	21,308	\$940,721	\$744,192	73,078	26.39%
97703	183	261	\$6,234	\$4,955	4,096	4.47%
97750	2,704	4,723	\$117,049	\$92,910	32,958	8.20%

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Feasibility and Impact Analysis: Application of Various Outpatient Therapy Service Claim HCPCS Edits
Outpatient Rehabilitation Services Payment System Evaluation Contract

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Appendix J- Table 2.2: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Skilled Nursing Facility (SNF)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	19,731	56,838	\$971,690	\$764,765	17,055,756	0.12%
97001	3,037	3,457	\$220,111	\$172,977	525,268	0.58%
97002	296	10,318	\$12,125	\$9,654	29,677	1.00%
97003	1,176	11,504	\$93,085	\$73,745	1,176	100.00%
97004	66	80	\$3,598	\$2,863	66	100.00%
97010	231	257	\$3,965	\$3,026	231	100.00%
97012	6	7	\$93	\$75	2,955	0.20%
97014	341	646	\$8,854	\$6,988	181,012	0.19%
97016	21	121	\$1,431	\$1,144	4,057	0.52%
97018	3	3	\$21	\$17	2,366	0.13%
97020	5	5	\$22	\$18	888	0.56%
97022	252	442	\$7,554	\$5,998	51,004	0.49%
97024	93	142	\$610	\$476	35,051	0.27%
97026	63	98	\$411	\$325	21,118	0.30%
97028	28	92	\$468	\$374	2,004	1.40%
97032	513	1,672	\$30,205	\$24,056	110,454	0.46%
97033	20	48	\$678	\$518	5,702	0.35%
97034	4	8	\$108	\$86	1,284	0.31%
97035	448	590	\$6,747	\$5,376	278,669	0.16%
97036	38	71	\$1,629	\$1,308	5,989	0.63%
97110	1,096	2,122	\$58,489	\$45,631	5,752,687	0.02%
97112	509	749	\$22,632	\$17,923	2,295,274	0.02%
97113	42	131	\$4,340	\$3,458	21,827	0.19%
97116	4,173	14,504	\$137,416	\$109,134	4,457,757	0.09%
97124	127	160	\$3,426	\$2,682	92,773	0.14%
97140	152	218	\$5,829	\$4,605	131,092	0.12%
97150	62	69	\$1,270	\$1,000	85,739	0.07%
97504	157	243	\$6,894	\$5,439	65,016	0.24%
97520	127	306	\$7,728	\$6,192	32,520	0.39%
97530	4,339	5,783	\$201,932	\$156,441	2,481,546	0.17%
97532	2	2	\$42	\$33	1,153	0.17%
97533	2	3	\$71	\$57	767	0.26%
97535	161	233	\$7,245	\$5,611	54,396	0.30%
97537	9	21	\$502	\$399	932	0.97%
97542	276	456	\$12,158	\$9,530	86,652	0.32%
97601	1,780	2,174	\$107,267	\$85,597	226,013	0.79%
97703	35	51	\$1,413	\$1,107	7,055	0.50%
97750	41	52	\$1,324	\$905	3,586	1.14%

Appendix J- Table 2.3: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Comprehensive Outpatient Rehabilitation Facility (CORF)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	1,485	2,546	\$72,418	\$56,657	2,990,517	0.05%
97001	115	121	\$7,987	\$6,260	76,064	0.15%
97002	17	17	\$582	\$464	7,735	0.22%
97003	64	66	\$4,194	\$3,341	64	100.00%
97004	6	6	\$242	\$194	6	100.00%
97010	0	0	\$0	\$0	0	N/A
97012	10	12	\$157	\$126	9,674	0.10%
97014	4	15	\$220	\$176	274,067	0.00%
97016	21	24	\$305	\$244	1,887	1.11%
97018	1	1	\$6	\$5	2,695	0.04%
97020	0	0	\$0	\$0	1	0.00%
97022	15	15	\$243	\$194	5,405	0.28%
97024	0	0	\$0	\$0	490	0.00%
97026	4	4	\$16	\$13	876	0.46%
97028	0	0	\$0	\$0	8	0.00%
97032	42	116	\$1,838	\$1,465	51,937	0.08%
97033	45	80	\$1,065	\$820	8,116	0.55%
97034	0	0	\$0	\$0	3,634	0.00%
97035	12	12	\$145	\$116	182,849	0.01%
97036	0	0	\$0	\$0	552	0.00%
97110	275	642	\$17,282	\$13,724	823,437	0.03%
97112	10	15	\$451	\$334	337,731	0.00%
97113	89	255	\$7,794	\$5,902	22,442	0.40%
97116	65	91	\$2,110	\$1,684	376,460	0.02%
97124	15	15	\$301	\$241	122,389	0.01%
97140	164	212	\$5,325	\$4,282	297,121	0.06%
97150	45	45	\$758	\$595	11,202	0.40%
97504	6	6	\$155	\$124	665	0.90%
97520	10	34	\$869	\$695	1,188	0.84%
97530	161	228	\$7,464	\$5,937	285,113	0.06%
97532	0	0	\$0	\$0	717	0.00%
97533	0	0	\$0	\$0	62	0.00%
97535	43	50	\$1,481	\$1,159	74,440	0.06%
97537	0	0	\$0	\$0	77	0.00%
97542	21	45	\$1,155	\$871	2,477	0.85%
97601	49	50	\$2,377	\$1,899	3,360	1.46%
97703	0	0	\$0	\$0	88	0.00%
97750	176	369	\$7,896	\$5,793	5,488	3.21%

Appendix J- Table 2.4: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Outpatient Rehabilitation Facility (ORF)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	14,993	23,209	\$655,285	\$513,011	14,391,596	0.10%
97001	835	874	\$56,907	\$44,449	507,270	0.16%
97002	115	120	\$4,183	\$3,329	121,389	0.09%
97003	897	1,041	\$65,031	\$49,526	897	100.00%
97004	312	320	\$13,610	\$10,745	312	100.00%
97010	2,700	2,868	\$14,946	\$11,410	2,700	100.00%
97012	46	46	\$634	\$488	142,032	0.03%
97014	74	81	\$1,040	\$858	1,228,186	0.01%
97016	47	110	\$689	\$559	16,198	0.29%
97018	1	1	\$8	\$6	24,801	0.00%
97020	1	1	\$4	\$3	623	0.16%
97022	69	86	\$1,295	\$1,102	59,429	0.12%
97024	2	2	\$8	\$6	11,612	0.02%
97026	3	5	\$20	\$16	6,621	0.05%
97028	0	0	\$0	\$0	56	0.00%
97032	73	107	\$1,806	\$1,473	187,473	0.04%
97033	256	340	\$4,670	\$3,733	99,810	0.26%
97034	1	1	\$13	\$10	3,175	0.03%
97035	132	144	\$1,618	\$1,270	1,195,377	0.01%
97036	6	17	\$342	\$273	1,902	0.32%
97110	1,842	4,156	\$108,812	\$86,474	4,635,570	0.04%
97112	437	743	\$20,416	\$15,969	1,024,373	0.04%
97113	519	1,447	\$42,817	\$33,522	248,148	0.21%
97116	683	1,124	\$26,967	\$21,469	978,657	0.07%
97124	180	208	\$4,209	\$3,334	369,353	0.05%
97140	2,167	3,137	\$81,089	\$62,666	1,948,187	0.11%
97150	145	158	\$2,799	\$2,241	210,454	0.07%
97504	67	112	\$3,086	\$2,446	8,569	0.78%
97520	23	53	\$1,248	\$999	2,959	0.78%
97530	2,187	4,235	\$140,443	\$110,657	1,195,311	0.18%
97532	2	6	\$142	\$113	331	0.60%
97533	9	15	\$336	\$242	1,416	0.64%
97535	649	1,063	\$32,891	\$25,982	109,813	0.59%
97537	9	16	\$483	\$383	1,222	0.74%
97542	22	29	\$744	\$596	9,167	0.24%
97601	377	416	\$18,778	\$14,101	24,224	1.56%
97703	15	23	\$574	\$459	1,387	1.08%
97750	90	104	\$2,628	\$2,099	12,592	0.71%

Appendix J- Table 2.5: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Home Health Agency (HHA)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	101	175	\$5,461	\$4,361	105,020	0.10%
97001	11	12	\$803	\$642	5,233	0.21%
97002	0	0	\$0	\$0	1,349	0.00%
97003	12	22	\$1,051	\$840	12	100.00%
97004	0	0	\$0	\$0	0	N/A
97010	2	3	\$139	\$111	2	100.00%
97012	0	0	\$0	\$0	61	0.00%
97014	0	0	\$0	\$0	201	0.00%
97016	0	0	\$0	\$0	0	N/A
97018	0	0	\$0	\$0	204	0.00%
97020	0	0	\$0	\$0	10	0.00%
97022	0	0	\$0	\$0	63	0.00%
97024	0	0	\$0	\$0	19	0.00%
97026	0	0	\$0	\$0	9	0.00%
97028	0	0	\$0	\$0	0	N/A
97032	4	15	\$234	\$187	711	0.56%
97033	0	0	\$0	\$0	80	0.00%
97034	0	0	\$0	\$0	19	0.00%
97035	3	3	\$31	\$24	6,393	0.05%
97036	0	0	\$0	\$0	2	0.00%
97110	10	18	\$485	\$388	39,797	0.03%
97112	0	0	\$0	\$0	6,617	0.00%
97113	0	0	\$0	\$0	61	0.00%
97116	15	23	\$531	\$424	20,405	0.07%
97124	3	3	\$50	\$40	5,598	0.05%
97140	0	0	\$0	\$0	3,228	0.00%
97150	0	0	\$0	\$0	6	0.00%
97504	1	1	\$29	\$24	50	2.00%
97520	19	52	\$1,323	\$1,052	268	7.09%
97530	2	4	\$141	\$113	12,847	0.02%
97532	0	0	\$0	\$0	2	0.00%
97533	0	0	\$0	\$0	1	0.00%
97535	11	11	\$332	\$265	833	1.32%
97537	0	0	\$0	\$0	16	0.00%
97542	0	0	\$0	\$0	416	0.00%
97601	8	8	\$314	\$249	277	2.89%
97703	0	0	\$0	\$0	20	0.00%
97750	0	0	\$0	\$0	210	0.00%

Appendix J- Table 3: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Non-Institutional Settings

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	633,379	800,321	\$16,553,309	\$13,144,149	33,792,489	1.87%
97001	10,822	10,939	\$733,124	\$579,304	901,650	1.20%
97002	924	931	\$32,510	\$25,782	165,845	0.56%
97003	2,310	2,417	\$157,598	\$124,574	14,058	16.43%
97004	397	402	\$18,420	\$14,700	29,094	1.36%
97010	10	79	\$163	\$128	10	100.00%
97012	48,680	49,124	\$649,395	\$516,814	363,471	13.39%
97014	59,125	59,976	\$848,938	\$675,169	3,895,241	1.52%
97016	24,131	32,587	\$371,567	\$295,733	53,469	45.13%
97018	5,894	5,964	\$42,282	\$33,811	63,652	9.26%
97020	336	365	\$1,396	\$1,113	336	100.00%
97022	15,063	15,829	\$250,812	\$199,271	209,580	7.19%
97024	10,076	10,487	\$47,750	\$38,132	83,634	12.05%
97026	4,919	5,877	\$23,130	\$18,468	54,794	8.98%
97028	675	675	\$3,706	\$2,963	1,526	44.23%
97032	55,879	70,665	\$1,165,030	\$928,184	1,228,257	4.55%
97033	40,193	47,318	\$665,517	\$529,267	82,700	48.60%
97034	6,407	7,507	\$95,509	\$75,864	12,820	49.98%
97035	79,716	83,758	\$906,506	\$721,532	4,150,313	1.92%
97036	631	731	\$16,276	\$12,895	13,202	4.78%
97110	79,010	133,313	\$3,462,379	\$2,744,121	10,705,118	0.74%
97112	18,012	23,557	\$644,854	\$511,535	1,843,327	0.98%
97113	4,672	10,409	\$300,465	\$237,842	324,639	1.44%
97116	10,020	11,419	\$259,906	\$206,998	509,239	1.97%
97124	17,184	20,585	\$413,035	\$328,523	1,326,783	1.30%
97140	78,344	106,309	\$2,624,255	\$2,083,925	4,941,047	1.59%
97150	2,737	6,419	\$112,631	\$89,976	86,468	3.17%
97504	814	1,076	\$27,566	\$21,791	15,130	5.38%
97520	848	1,262	\$30,040	\$23,699	3,226	26.29%
97530	22,918	34,288	\$1,088,226	\$864,297	2,422,437	0.95%
97532	2,798	6,887	\$162,781	\$130,012	3,719	75.24%
97533	2,073	4,923	\$108,848	\$86,865	3,311	62.61%
97535	5,367	7,646	\$217,681	\$173,238	168,051	3.19%
97537	19	54	\$1,243	\$978	4,301	0.44%
97542	202	251	\$5,765	\$4,587	1,909	10.58%
97601	19,286	21,308	\$940,721	\$744,192	73,078	26.39%
97703	183	261	\$6,234	\$4,955	4,096	4.47%
97750	2,704	4,723	\$117,049	\$92,910	32,958	8.20%

Appendix J- Table 3.1: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Physical Therapist in Private Practice (PTPP)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	380,456	481,472	\$10,272,333	\$8,155,612	21,888,851	1.74%
97001	4,835	4,944	\$319,496	\$250,006	671,790	0.72%
97002	687	694	\$24,100	\$19,064	130,849	0.53%
97003	2,040	2,147	\$138,796	\$109,780	2,040	100.00%
97004	376	380	\$17,421	\$13,901	376	100.00%
97010	8	77	\$126	\$93	8	100.00%
97012	22,453	22,710	\$299,509	\$238,574	182,241	12.32%
97014	37,646	38,201	\$538,346	\$427,791	2,218,078	1.70%
97016	7,326	7,463	\$87,613	\$69,574	13,663	53.62%
97018	1,922	1,971	\$13,503	\$10,796	19,023	10.10%
97020	9	9	\$37	\$30	9	100.00%
97022	3,647	4,140	\$64,658	\$51,505	81,316	4.48%
97024	1,649	1,683	\$7,369	\$5,883	16,732	9.86%
97026	925	950	\$3,926	\$3,127	12,369	7.48%
97028	80	80	\$454	\$363	306	26.14%
97032	25,309	30,114	\$495,241	\$395,159	604,076	4.19%
97033	25,789	31,889	\$441,965	\$351,716	55,362	46.58%
97034	4,764	5,792	\$73,662	\$58,426	6,112	77.95%
97035	54,904	57,014	\$611,366	\$486,788	2,388,075	2.30%
97036	191	212	\$4,609	\$3,688	2,804	6.81%
97110	58,012	97,566	\$2,537,589	\$2,009,024	7,401,552	0.78%
97112	12,934	15,024	\$423,254	\$336,823	1,303,216	0.99%
97113	4,228	9,665	\$278,679	\$220,481	283,516	1.49%
97116	8,967	10,261	\$233,405	\$185,886	442,638	2.03%
97124	8,621	9,838	\$198,412	\$158,330	500,784	1.72%
97140	65,313	87,695	\$2,163,264	\$1,718,685	3,544,212	1.84%
97150	1,238	1,351	\$22,592	\$18,028	61,171	2.02%
97504	252	371	\$9,279	\$7,357	5,319	4.74%
97520	574	898	\$21,248	\$16,871	2,423	23.69%
97530	15,662	22,949	\$731,315	\$580,952	1,782,417	0.88%
97532	269	330	\$7,211	\$5,733	464	57.97%
97533	1,150	3,307	\$72,086	\$57,536	2,124	54.14%
97535	2,271	2,996	\$85,095	\$68,012	119,721	1.90%
97537	10	10	\$233	\$177	1,039	0.96%
97542	188	219	\$5,026	\$3,996	1,732	10.85%
97601	5,854	7,637	\$320,060	\$254,530	18,314	31.96%
97703	49	79	\$1,788	\$1,415	1,145	4.28%
97750	304	806	\$19,599	\$15,516	11,835	2.57%

Appendix J- Table 3.2: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Physician (Using GP Modifier)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	12,248	15,433	\$336,946	\$267,639	834,542	1.47%
97001	368	369	\$23,500	\$18,437	40,327	0.91%
97002	30	30	\$1,031	\$825	4,730	0.63%
97003	270	270	\$18,802	\$14,794	270	100.00%
97004	21	22	\$999	\$799	21	100.00%
97010	0	0	\$0	\$0	0	N/A
97012	889	891	\$11,783	\$9,346	12,456	7.14%
97014	859	863	\$11,699	\$9,342	99,720	0.86%
97016	682	690	\$8,409	\$6,725	1,059	64.40%
97018	49	49	\$343	\$275	907	5.40%
97020	0	0	\$0	\$0	0	N/A
97022	217	218	\$3,335	\$2,668	3,338	6.50%
97024	121	122	\$503	\$402	1,480	8.18%
97026	17	17	\$68	\$55	675	2.52%
97028	0	0	\$0	\$0	0	N/A
97032	433	458	\$7,566	\$6,151	19,045	2.27%
97033	2,190	2,337	\$33,158	\$26,394	4,443	49.29%
97034	55	89	\$1,072	\$858	73	75.34%
97035	1,136	1,190	\$12,759	\$10,157	106,135	1.07%
97036	13	27	\$569	\$455	69	18.84%
97110	2,843	5,019	\$130,459	\$103,881	316,147	0.90%
97112	321	547	\$14,072	\$11,046	22,947	1.40%
97113	14	32	\$882	\$673	3,624	0.39%
97116	144	172	\$3,784	\$3,012	10,663	1.35%
97124	139	147	\$2,828	\$2,220	26,743	0.52%
97140	889	1,014	\$24,466	\$19,501	104,626	0.85%
97150	36	36	\$599	\$479	1,857	1.94%
97504	35	69	\$1,715	\$1,355	659	5.31%
97520	5	17	\$385	\$308	144	3.47%
97530	202	300	\$9,193	\$7,149	48,125	0.42%
97532	10	18	\$374	\$299	13	76.92%
97533	10	14	\$310	\$248	11	90.91%
97535	31	51	\$1,450	\$1,118	3,282	0.94%
97537	0	0	\$0	\$0	1	0.00%
97542	13	28	\$648	\$518	99	13.13%
97601	146	146	\$5,698	\$4,558	440	33.18%
97703	4	6	\$142	\$114	30	13.33%
97750	56	175	\$4,343	\$3,474	383	14.62%

Appendix J- Table 3.3: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy HCPCS and ICD-9 Codes for Physical Therapy Services – Physician (No Modifier for “Always Therapy” HCPCS)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	236,862	299,098	\$5,837,122	\$4,636,133	10,987,576	2.16%
97001	5,518	5,524	\$383,999	\$306,018	188,983	2.92%
97002	207	207	\$7,379	\$5,893	30,171	0.69%
97003	0	0	\$0	\$0	11,735	0.00%
97004	0	0	\$0	\$0	28,695	0.00%
97010	2	2	\$37	\$34	2	100.00%
97012	25,221	25,406	\$336,785	\$267,840	166,437	15.15%
97014	20,149	20,440	\$293,509	\$233,729	1,565,780	1.29%
97016	16,085	24,396	\$275,181	\$219,144	38,655	41.61%
97018	3,921	3,942	\$28,424	\$22,730	43,482	9.02%
97020	327	356	\$1,359	\$1,083	327	100.00%
97022	11,198	11,470	\$182,804	\$145,086	124,804	8.97%
97024	8,292	8,668	\$39,828	\$31,807	65,273	12.70%
97026	3,975	4,908	\$19,128	\$15,281	41,737	9.52%
97028	595	595	\$3,252	\$2,601	1,220	48.77%
97032	29,717	39,561	\$654,700	\$520,855	601,718	4.94%
97033	12,184	13,062	\$190,047	\$150,883	22,842	53.34%
97034	1,587	1,624	\$20,754	\$16,564	6,634	23.92%
97035	23,620	25,496	\$281,858	\$224,169	1,644,662	1.44%
97036	420	485	\$10,992	\$8,667	10,156	4.14%
97110	17,403	29,959	\$778,048	\$618,239	2,969,540	0.59%
97112	4,538	7,728	\$201,880	\$159,160	513,829	0.88%
97113	430	712	\$20,905	\$16,688	37,395	1.15%
97116	907	984	\$22,675	\$18,067	55,686	1.63%
97124	8,419	10,595	\$211,711	\$167,907	794,656	1.06%
97140	12,067	17,431	\$433,234	\$343,110	1,281,331	0.94%
97150	1,463	5,032	\$89,440	\$71,469	23,414	6.25%
97504	520	628	\$16,397	\$12,940	9,086	5.72%
97520	269	347	\$8,406	\$6,520	659	40.82%
97530	7,000	10,982	\$346,185	\$274,970	585,864	1.19%
97532	2,519	6,539	\$155,196	\$123,979	3,242	77.70%
97533	913	1,602	\$36,451	\$29,080	1,176	77.64%
97535	2,956	4,280	\$123,633	\$98,195	44,735	6.61%
97537	9	44	\$1,011	\$802	3,261	0.28%
97542	1	4	\$91	\$73	78	1.28%
97601	11,977	12,200	\$565,007	\$445,680	46,970	25.50%
97703	123	169	\$4,162	\$3,312	2,913	4.22%
97750	2,330	3,720	\$92,652	\$73,557	20,428	11.41%

Appendix J Impact Analysis “Illogical” Combinations of Therapy Procedure Codes with Reported Line or Claim Diagnosis Codes: Physical Therapy Services

Feasibility and Impact Analysis: Application of Various Outpatient Therapy Service Claim HCPCS Edits
Outpatient Rehabilitation Services Payment System Evaluation Contract

Appendix J- Table 3.4: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy Services and ICD-9 Codes for Physical Therapy Services – Non-Physician Practitioner (Using GP Modifier)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	40	41	\$790	\$619	2,710	1.48%
97001	2	2	\$114	\$91	120	1.67%
97002	0	0	\$0	\$0	10	0.00%
97003	0	0	\$0	\$0	0	N/A
97004	0	0	\$0	\$0	0	N/A
97010	0	0	\$0	\$0	0	N/A
97012	2	2	\$26	\$21	9	22.22%
97014	3	3	\$33	\$26	57	5.26%
97016	0	0	\$0	\$0	0	N/A
97018	0	0	\$0	\$0	0	N/A
97020	0	0	\$0	\$0	0	N/A
97022	0	0	\$0	\$0	0	N/A
97024	0	0	\$0	\$0	1	0.00%
97026	0	0	\$0	\$0	7	0.00%
97028	0	0	\$0	\$0	0	N/A
97032	0	0	\$0	\$0	2	0.00%
97033	1	1	\$14	\$11	2	50.00%
97034	0	0	\$0	\$0	0	N/A
97035	9	9	\$86	\$69	157	5.73%
97036	0	0	\$0	\$0	0	N/A
97110	12	13	\$276	\$219	1307	0.92%
97112	8	8	\$176	\$130	31	25.81%
97113	0	0	\$0	\$0	7	0.00%
97116	2	2	\$42	\$34	15	13.33%
97124	0	0	\$0	\$0	752	0.00%
97140	1	1	\$22	\$17	172	0.58%
97150	0	0	\$0	\$0	0	N/A
97504	0	0	\$0	\$0	3	0.00%
97520	0	0	\$0	\$0	0	N/A
97530	0	0	\$0	\$0	45	0.00%
97532	0	0	\$0	\$0	0	N/A
97533	0	0	\$0	\$0	0	N/A
97535	0	0	\$0	\$0	13	0.00%
97537	0	0	\$0	\$0	0	N/A
97542	0	0	\$0	\$0	0	N/A
97601	0	0	\$0	\$0	0	N/A
97703	0	0	\$0	\$0	0	N/A
97750	0	0	\$0	\$0	0	N/A

Appendix J- Table 3.5: Impact Analysis: Application of Edits to “Illogical” Combinations of Therapy Services and ICD-9 Codes for Physical Therapy Services – Non-Physician Practitioner (No Modifier for “Always Therapy” HCPCS)

HCPCS	Total Number “Illogical” Paid Lines	Total Units in “Illogical” Lines	Total Allowed in “Illogical” Lines	Total Paid in “Illogical” Lines	Total Number Paid Lines	“Illogical” Percent of Total Paid Lines
Total	3,773	4,277	\$106,118	\$84,147	78,810	4.79%
97001	99	100	\$6,015	\$4,753	430	23.02%
97002	0	0	\$0	\$0	85	0.00%
97003	0	0	\$0	\$0	13	0.00%
97004	0	0	\$0	\$0	2	0.00%
97010	0	0	\$0	\$0	0	N/A
97012	115	115	\$1,291	\$1,033	2,328	4.94%
97014	468	469	\$5,352	\$4,280	11,606	4.03%
97016	38	38	\$364	\$291	92	41.30%
97018	2	2	\$12	\$9	240	0.83%
97020	0	0	\$0	\$0	0	N/A
97022	1	1	\$14	\$11	122	0.82%
97024	14	14	\$49	\$40	148	9.46%
97026	2	2	\$7	\$6	6	33.33%
97028	0	0	\$0	\$0	0	N/A
97032	420	532	\$7,523	\$6,019	3,416	12.30%
97033	29	29	\$334	\$263	51	56.86%
97034	1	2	\$21	\$16	1	100.00%
97035	47	49	\$437	\$349	11,284	0.42%
97036	7	7	\$106	\$85	173	4.05%
97110	740	756	\$16,006	\$12,758	16,572	4.47%
97112	211	250	\$5,472	\$4,376	3,304	6.39%
97113	0	0	\$0	\$0	97	0.00%
97116	0	0	\$0	\$0	237	0.00%
97124	5	5	\$83	\$66	3,848	0.13%
97140	74	168	\$3,269	\$2,612	10,706	0.69%
97150	0	0	\$0	\$0	26	0.00%
97504	7	8	\$174	\$140	63	11.11%
97520	0	0	\$0	\$0	0	N/A
97530	54	57	\$1,533	\$1,226	5,986	0.90%
97532	0	0	\$0	\$0	0	N/A
97533	0	0	\$0	\$0	0	N/A
97535	109	319	\$7,504	\$5,913	300	36.33%
97537	0	0	\$0	\$0	0	N/A
97542	0	0	\$0	\$0	0	N/A
97601	1,309	1,325	\$49,956	\$39,423	7,354	17.80%
97703	7	7	\$142	\$114	8	87.50%
97750	14	22	\$454	\$363	312	4.49%