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APPENDIX 1

RAW DATA

Table1. 1 Raw Data

No	Prefecture s	Health Expenditures			LTC Expenditures			Health Resource Availability				LTC Resource Availability		
		THEE pci	Ip	Op	TLTC E pci	Nc	Hc	1	2	3	4	5	6	7
								DOC	CLINI C	HOSP	BED	SAN ATO	HSF	SNH
1	Hokkaido	938	474	286	185.9	145.3	40.7	203.1	57.8	11.2	1903	1081	1145	1646
2	Aomori	710	306	257	197.1	127.4	69.7	170.5	66	7.7	1396	387	1583	1558
3	Iwate	664	303	247	161.5	118.5	43.0	174.3	61.7	7.8	1495	283.2	1511	1515
4	Miyagi	692	283	272	132.0	82.9	49.1	189.4	61.9	6.3	1108	146.2	1047	1209
5	Akita	697	305	222	172.7	130.7	42.1	181.2	63.9	6.9	1495	314.9	1548	1697
6	Yamagata	621	259	245	154.5	100.9	53.5	185.4	69.4	5.5	1200	106.1	940.5	1791
7	Fukushima	698	306	248	127.9	80.9	47.0	173.3	62.8	7.3	1520	160.3	1031	1102
8	Ibaraki	650	270	244	122.4	85.2	37.1	142.3	51	7.2	1102	276.8	1217	1113
9	Tochigi	652	267	278	135.5	92.7	42.8	188.6	63.2	5.7	1100	217.7	1197	1175
10	Gunma	665	289	266	151.4	98.1	53.3	190.5	69.7	7.1	1239	326.6	1197	1244
11	Saitama	702	292	268	117.4	75.8	41.6	121.7	49.7	5.3	868.1	341.1	842.5	1110
12	Chiba	651	264	247	124.5	81.5	43.0	142.2	56.4	5.1	941.2	337.1	1057	1071
13	Tokyo	777	315	279	146.7	85.3	61.4	266.6	97.6	5.8	1108	181.2	450.7	1425
14	Kanagawa	716	287	265	131.1	73.5	57.6	167.2	64.1	4.3	886.2	376.1	623.9	1065
15	Niigata	630	257	252	174.7	120.4	54.3	172.5	67.8	5.5	1230	422.7	1453	1474
16	Toyama	742	362	264	197.5	148.4	49.2	218.8	67.6	10.1	1602	1089	1392	1394
17	Ishikawa	842	424	308	201.2	140.2	61.0	237.9	67.8	10.1	1754	878.2	1416	1547
18	Fukui	737	352	287	195.6	146.1	49.4	203.3	66.1	11.2	1505	630.7	1556	1821
19	Yamanashi	635	274	231	138.2	91.1	47.1	189	67.6	6.6	1237	221.8	1181	1224
20	Nagano	594	245	235	151.7	93.5	58.2	178.2	63.3	6.3	1115	286.2	962	1325
21	Gifu	694	286	284	140.8	89.0	51.7	164.9	66	5.5	1006	237.5	1258	1057
22	Shizuoka	660	267	265	132.4	80.0	52.5	165.2	64.8	4.8	1036	384.5	772.6	1074
23	Aichi	767	316	315	137.2	86.9	50.4	179.4	62.5	5.3	999.3	402.2	974.3	1015
24	Mie	665	277	285	150.8	101.1	49.7	178.7	71.6	6.3	1142	268.4	1308	1314
25	Shiga	679	295	279	142.8	87.0	55.8	186	62.5	4.4	1006	365.6	862.9	1188
26	Kyoto	831	371	332	178.4	111.7	66.7	268.2	93	7.1	1428	851.3	768.2	1311
27	Osaka	900	359	374	152.6	99.9	52.7	233.8	85.2	6.5	1319	535	905	1238
28	Hyogo	759	304	312	155.9	103.2	52.7	196	80.5	6.3	1171	504.4	926.3	1355
29	Nara	721	294	307	147.2	93.4	53.8	187.6	67.9	5	1073	250.6	893.8	1590
30	Wakayama	737	297	330	173.9	111.2	62.7	231	99.7	8.7	1425	346.8	1165	1562
31	Tottori	683	296	254	191.1	127.1	64.0	263.3	84.5	7.2	1424	461.5	1407	1720
32	Shimane	688	308	265	182.3	122.3	60.0	237.3	96.3	8	1552	581.9	870.2	1854
33	Okayama	777	350	290	190.4	128.1	62.3	239.5	81.7	10.1	1637	565	1382	1611
34	Hiroshima	850	353	334	187.3	123.7	63.6	228.8	88.1	9.3	1446	727.1	1121	1466
35	Yamaguchi	796	371	270	202.6	155.1	47.5	228.3	87.3	10	1866	1323	1150	1533
36	Tokushima	800	356	309	223.0	166.3	56.7	269.6	93.9	16.1	2029	1161	2128	1516
37	Kagawa	796	351	302	165.2	117.7	47.5	242.6	72.7	11.1	1701	614.7	1340	1500
38	Ehime	756	353	289	179.9	120.7	59.3	225.2	79.3	10.5	1595	755.4	1271	1290
39	Kochi	827	412	276	227.1	176.2	50.9	261.4	70.7	18.3	2525	1817	957.6	1647
40	Fukuoka	934	438	308	206.9	147.7	59.2	255.6	82.7	9.8	1823	1013	1446	1440
41	Saga	825	364	273	205.8	148.0	57.8	217.9	71.6	13.3	1772	857.5	1515	1530
42	Nagasaki	887	416	287	195.8	131.0	64.9	239.8	91.3	11.6	1926	675	1338	1591
43	Kumamoto	823	397	275	214.5	158.3	56.2	246.6	77	12.3	1991	1248	1369	1535
44	Oita	802	386	275	188.8	125.9	62.9	225.2	74.1	13.1	1732	548.7	1326	1515
45	Miyazaki	737	328	262	196.9	134.5	62.3	208.5	71.1	13.7	1711	841.4	1214	1497
46	Kagoshima	829	396	271	210.6	137.4	73.2	213.8	74.5	16.2	2048	795.8	1216	1777
47	Okinawa	781	423	222	273.2	199.3	73.9	187	49.5	7.1	1505	1013	2044	2220
	Mean	758	329.7	277.6	161.8	107.9	53.9	205.9	72.2	8.5	1440.2	578.9	1197.4	1435.1
	Max	938	474	374	273.2	199.3	73.9	269.6	99.7	18.3	2525	1817	2128	2220
	Min	594	245	222	117.4	73.5	37.1	121.7	49.5	4.3	868.1	106.1	450.7	1015
	SD	84.6	55.7	30.8	33.5	29.4	8.6	36.5	12.7	3.4	367.2	370.5	321.0	256.1

Table 1.1 Raw Data (Cont.)

No	Prefecture	Home Care Availability				Socio-Economic Factors					Ratio of Female in Elderly	Life Expectancy (at 70yr both sex)
		8	9	10	11	12	13	14	15(a)	15(b)		
1	Hokkaido	84.8	7.3	56	35.2	2715	17.79	22.87	60.76	39.05	59.44	20.81
2	Aomori	91.4	6.58	70	40.7	2483	16.52	21.87	61.67	39.50	61.96	19.83
3	Iwate	77.0	6.02	70.1	40.1	2663	17.33	22.51	61.83	40.99	60.98	20.49
4	Miyagi	79.9	4.53	60.1	34.8	2813	17.53	22.48	61.31	40.79	60.32	20.52
5	Akita	82.4	6.69	77.8	44.7	2576	17.05	22.12	55.17	39.96	61.42	20.16
6	Yamagata	87.7	5.26	75.8	40.9	2650	17.57	22.18	63.38	44.71	61.17	20.39
7	Fukushima	115.1	5.64	67.9	36.3	2810	17.19	22.19	61.61	42.31	60.73	20.23
8	Ibaraki	34.7	4.3	70.5	34.1	3024	17.29	22.12	64.00	43.07	60.4	20.21
9	Tochigi	60.7	4.68	69.3	34.7	3172	17.26	22.06	63.90	43.95	60.73	20.18
10	Gunma	67.9	5.45	70.2	35.5	3057	17.63	22.28	65.04	44.54	60.15	20.43
11	Saitama	58.5	3.92	64.6	29.7	3274	17.55	22.14	63.03	38.54	59.47	20.28
12	Chiba	54.8	4.49	63.9	31.4	3213	17.67	22.25	60.70	38.22	59.7	20.40
13	Tokyo	315.0	7.16	43.7	28.1	4189	17.79	22.26	61.90	38.77	60.62	20.50
14	Kanagawa	162.4	5	55.8	28.7	3263	17.78	22.5	59.04	35.84	58.61	20.55
15	Niigata	115.5	5.24	75.2	41.6	2955	17.6	22.85	64.20	44.69	61.32	20.82
16	Toyama	84.6	5.57	79.3	46.9	2932	17.79	22.99	70.53	48.55	61.18	20.97
17	Ishikawa	131.1	5.74	69.9	43.9	2994	17.55	22.9	65.20	44.89	61.34	20.83
18	Fukui	177.7	5.7	75.4	43.2	2833	17.93	23.05	62.04	43.31	60.94	21.05
19	Yamanashi	56.8	6.17	68.5	37.5	2861	17.85	23.01	63.89	43.44	60.51	20.97
20	Nagano	113.3	6.01	70.6	41.3	2989	18.38	22.91	63.77	45.02	59.91	21.09
21	Gifu	81.0	5.07	73.1	38.2	2895	17.67	22.22	61.97	41.97	59.34	20.37
22	Shizuoka	81.0	4.82	65.5	33.6	3100	17.67	22.6	62.70	42.32	60.02	20.63
23	Aichi	114.2	4.84	59.3	33.2	3550	17.48	22.02	64.66	39.84	59.73	20.19
24	Mie	72.4	6.63	75.4	37.6	2826	17.51	22.39	62.57	42.20	60.61	20.47
25	Shiga	109.1	4.47	73	38.1	3226	17.41	22.48	61.21	40.87	60.83	20.49
26	Kyoto	218.0	7.41	61	32.6	2952	17.74	22.63	64.69	43.22	61.92	20.77
27	Osaka	203.5	7.32	51.4	28	3312	16.98	21.93	62.50	37.61	61.03	20.00
28	Hyogo	144.6	7.41	62.8	33.6	2929	17.42	22.19	62.60	40.31	60.84	20.32
29	Nara	131.6	5.88	71.1	36.5	2786	17.7	22.34	63.24	40.93	60.63	20.51
30	Wakayama	98.9	9.51	72.5	36.4	2492	17.23	22.17	64.52	43.61	61.44	20.27
31	Tottori	97.2	7.29	71.6	40.5	2598	17.46	22.75	70.12	49.27	62.8	20.78
32	Shimane	140.2	8.2	72.4	41.8	2464	17.77	23.27	65.61	46.71	61.89	21.17
33	Okayama	97.4	7.25	67.5	37.8	2742	17.73	22.97	64.91	44.02	61.24	20.94
34	Hiroshima	99.2	7.7	60.9	35.9	2960	17.66	22.82	63.30	43.29	61.16	20.82
35	Yamaguchi	108.4	9.63	66.1	38.9	2832	17.21	22.49	62.69	42.55	61.83	20.47
36	Tokushima	115.4	8.05	70.6	37.8	2724	17.37	22.38	63.23	42.79	61.61	20.46
37	Kagawa	103.0	7.57	69.5	39.2	2804	17.82	22.7	65.76	46.44	60.93	20.79
38	Ehime	152.4	9.04	66.1	37	2432	17.73	22.53	61.65	43.36	61.44	20.68
39	Kochi	107.1	11.09	66.4	36.8	2402	17.62	22.84	66.97	46.47	62.45	20.88
40	Fukuoka	143.2	7.44	54.4	33.1	2750	17.31	22.6	64.41	42.11	62.3	20.61
41	Saga	98.0	6.97	71.1	37.2	2668	17.34	22.82	62.37	43.10	62.43	20.76
42	Nagasaki	199.1	9.14	65.5	34.7	2369	17.36	22.69	62.92	43.18	62.47	20.69
43	Kumamoto	99.2	7.93	65.1	34.9	2533	18.15	23.08	63.18	43.28	61.91	21.20
44	Oita	140.1	8.89	64.4	37.1	2670	17.7	22.41	66.48	45.58	61.46	20.59
45	Miyazaki	149.5	9.07	67.2	35.2	2333	17.72	23.05	65.02	44.09	62.16	21.03
46	Kagoshima	148.1	12.36	66.9	34.7	2333	17.38	22.56	64.71	45.01	62.96	20.64
47	Okinawa	62.4	6.14	54.3	26	2317	18.45	24.1	64.84	42.51	63.55	22.04
	Mean	114.2	6.78	66.8	36.5	2840	17.57	22.57	63.44	42.70	60.76	20.60
	Max	315	12.36	79.3	46.9	4189	18.45	24.1	70.53	49.27	63.55	22.04
	Min	34.74	3.92	43.7	26	2317	16.52	21.87	55.17	35.84	58.61	19.83
	SD	50.3	1.8	7.2	4.4	352.8	0.3	0.4	2.5	2.8	1.0	0.4

APPENDIX 2

LOGARITHMIC DATA

Table 2.1 Logarithmic Data

No	Prefectures	THEE pci	Ip	Op	TLTCE pci	Nc	Hc	DOC	CLINIC	HOSP	BED
1	Hokkaido	6.84	6.16	5.66	5.23	4.98	3.71	5.31	4.06	2.42	7.55
2	Aomori	6.57	5.72	5.55	5.28	4.85	4.24	5.14	4.19	2.04	7.24
3	Iwate	6.5	5.71	5.51	5.08	4.77	3.76	5.16	4.12	2.05	7.31
4	Miyagi	6.54	5.65	5.61	4.88	4.42	3.89	5.24	4.13	1.84	7.01
5	Akita	6.55	5.72	5.4	5.15	4.87	3.74	5.2	4.16	1.93	7.31
6	Yamagata	6.43	5.56	5.5	5.04	4.61	3.98	5.22	4.24	1.7	7.09
7	Fukushima	6.55	5.72	5.51	4.85	4.39	3.85	5.16	4.14	1.99	7.33
8	Ibaraki	6.48	5.6	5.5	4.81	4.45	3.61	4.96	3.93	1.97	7
9	Tochigi	6.48	5.59	5.63	4.91	4.53	3.76	5.24	4.15	1.74	7
10	Gunma	6.5	5.67	5.58	5.02	4.59	3.98	5.25	4.24	1.96	7.12
11	Saitama	6.55	5.68	5.59	4.77	4.33	3.73	4.8	3.91	1.67	6.77
12	Chiba	6.48	5.58	5.51	4.82	4.4	3.76	4.96	4.03	1.63	6.85
13	Tokyo	6.66	5.75	5.63	4.99	4.45	4.12	5.59	4.58	1.76	7.01
14	Kanagawa	6.57	5.66	5.58	4.88	4.3	4.05	5.12	4.16	1.46	6.79
15	Niigata	6.45	5.55	5.53	5.16	4.79	3.99	5.15	4.22	1.7	7.11
16	Toyama	6.61	5.89	5.58	5.29	5	3.9	5.39	4.21	2.31	7.38
17	Ishikawa	6.74	6.05	5.73	5.3	4.94	4.11	5.47	4.22	2.31	7.47
18	Fukui	6.6	5.86	5.66	5.28	4.98	3.9	5.31	4.19	2.42	7.32
19	Yamanash	6.45	5.61	5.44	4.93	4.51	3.85	5.24	4.21	1.89	7.12
20	Nagano	6.39	5.5	5.46	5.02	4.54	4.06	5.18	4.15	1.84	7.02
21	Gifu	6.54	5.66	5.65	4.95	4.49	3.95	5.11	4.19	1.7	6.91
22	Shizuoka	6.49	5.59	5.58	4.89	4.38	3.96	5.11	4.17	1.57	6.94
23	Aichi	6.64	5.76	5.75	4.92	4.46	3.92	5.19	4.14	1.67	6.91
24	Mie	6.5	5.62	5.65	5.02	4.62	3.91	5.19	4.27	1.84	7.04
25	Shiga	6.52	5.69	5.63	4.96	4.47	4.02	5.23	4.14	1.48	6.91
26	Kyoto	6.72	5.92	5.81	5.18	4.72	4.2	5.59	4.53	1.96	7.26
27	Osaka	6.8	5.88	5.92	5.03	4.6	3.96	5.45	4.45	1.87	7.18
28	Hyogo	6.63	5.72	5.74	5.05	4.64	3.96	5.28	4.39	1.84	7.07
29	Nara	6.58	5.68	5.73	4.99	4.54	3.99	5.23	4.22	1.61	6.98
30	Wakayama	6.6	5.69	5.8	5.16	4.71	4.14	5.44	4.6	2.16	7.26
31	Tottori	6.53	5.69	5.54	5.25	4.84	4.16	5.57	4.44	1.97	7.26
32	Shimane	6.53	5.73	5.58	5.21	4.81	4.09	5.47	4.57	2.08	7.35
33	Okayama	6.66	5.86	5.67	5.25	4.85	4.13	5.48	4.4	2.31	7.4
34	Hiroshima	6.75	5.87	5.81	5.23	4.82	4.15	5.43	4.48	2.23	7.28
35	Yamaguchi	6.68	5.92	5.6	5.31	5.04	3.86	5.43	4.47	2.3	7.53
36	Tokushima	6.68	5.87	5.73	5.41	5.11	4.04	5.6	4.54	2.78	7.62
37	Kagawa	6.68	5.86	5.71	5.11	4.77	3.86	5.49	4.29	2.41	7.44
38	Ehime	6.63	5.87	5.67	5.19	4.79	4.08	5.42	4.37	2.35	7.37
39	Kochi	6.72	6.02	5.62	5.43	5.17	3.93	5.57	4.26	2.91	7.83
40	Fukuoka	6.84	6.08	5.73	5.33	5	4.08	5.54	4.42	2.28	7.51
41	Saga	6.72	5.9	5.61	5.33	5	4.06	5.38	4.27	2.59	7.48
42	Nagasaki	6.79	6.03	5.66	5.28	4.88	4.17	5.48	4.51	2.45	7.56
43	Kumamoto	6.71	5.98	5.62	5.37	5.06	4.03	5.51	4.34	2.51	7.6
44	Oita	6.69	5.96	5.62	5.24	4.84	4.14	5.42	4.31	2.57	7.46
45	Miyazaki	6.6	5.79	5.57	5.28	4.9	4.13	5.34	4.26	2.62	7.44
46	Kagoshima	6.72	5.98	5.6	5.35	4.92	4.29	5.37	4.31	2.79	7.62
47	Okinawa	6.66	6.05	5.4	5.61	5.29	4.3	5.23	3.9	1.96	7.32

Table 2.1 Logarithmic Data (Cont.)

No	Prefectures	SANATO	HSF	SNH	HMHELP	ELDALO	HMOWN	FLOOR	INCOME	LIFEM A	LIFEFE	UPEL70	UPEL65
1	Hokkaido	6.99	7.04	7.41	4.44	1.99	4.03	3.56	7.91	2.88	3.13	4.11	13.85
2	Aomori	5.96	7.37	7.35	4.52	1.88	4.25	3.71	7.82	2.8	3.09	4.12	12.57
3	Iwate	5.65	7.32	7.32	4.34	1.8	4.25	3.69	7.89	2.85	3.11	4.12	12.62
4	Miyagi	4.98	6.95	7.1	4.38	1.51	4.1	3.55	7.94	2.86	3.11	4.12	12.92
5	Akita	5.75	7.34	7.44	4.41	1.9	4.35	3.8	7.85	2.84	3.1	4.01	12.54
6	Yamagata	4.66	6.85	7.49	4.47	1.66	4.33	3.71	7.88	2.87	3.1	4.15	12.56
7	Fukushima	5.08	6.94	7.01	4.75	1.73	4.22	3.59	7.94	2.84	3.1	4.12	12.98
8	Ibaraki	5.62	7.1	7.02	3.55	1.46	4.26	3.53	8.01	2.85	3.1	4.16	13.11
9	Tochigi	5.38	7.09	7.07	4.11	1.54	4.24	3.55	8.06	2.85	3.09	4.16	12.75
10	Gunma	5.79	7.09	7.13	4.22	1.7	4.25	3.57	8.03	2.87	3.1	4.18	12.81
11	Saitama	5.83	6.74	7.01	4.07	1.37	4.17	3.39	8.09	2.87	3.1	4.14	13.7
12	Chiba	5.82	6.96	6.98	4	1.5	4.16	3.45	8.07	2.87	3.1	4.11	13.64
13	Tokyo	5.2	6.11	7.26	5.75	1.97	3.78	3.34	8.34	2.88	3.1	4.13	14.46
14	Kanagawa	5.93	6.44	6.97	5.09	1.61	4.02	3.36	8.09	2.88	3.11	4.08	13.97
15	Niigata	6.05	7.28	7.3	4.75	1.66	4.32	3.73	7.99	2.87	3.13	4.16	13.17
16	Toyama	6.99	7.24	7.24	4.44	1.72	4.37	3.85	7.98	2.88	3.14	4.26	12.36
17	Ishikawa	6.78	7.26	7.34	4.88	1.75	4.25	3.78	8	2.87	3.13	4.18	12.3
18	Fukui	6.45	7.35	7.51	5.18	1.74	4.32	3.77	7.95	2.89	3.14	4.13	12.04
19	Yamanashi	5.4	7.07	7.11	4.04	1.82	4.23	3.62	7.96	2.88	3.14	4.16	12.06
20	Nagano	5.66	6.87	7.19	4.73	1.79	4.26	3.72	8	2.91	3.13	4.16	13.07
21	Gifu	5.47	7.14	6.96	4.39	1.62	4.29	3.64	7.97	2.87	3.1	4.13	12.86
22	Shizuoka	5.95	6.65	6.98	4.39	1.57	4.18	3.51	8.04	2.87	3.12	4.14	13.41
23	Aichi	6	6.88	6.92	4.74	1.58	4.08	3.5	8.17	2.86	3.09	4.17	13.84
24	Mie	5.59	7.18	7.18	4.28	1.89	4.32	3.63	7.95	2.86	3.11	4.14	12.77
25	Shiga	5.9	6.76	7.08	4.69	1.5	4.29	3.64	8.08	2.86	3.11	4.11	12.28
26	Kyoto	6.75	6.64	7.18	5.38	2	4.11	3.48	7.99	2.88	3.12	4.17	13.04
27	Osaka	6.28	6.81	7.12	5.32	1.99	3.94	3.33	8.11	2.83	3.09	4.14	14.09
28	Hyogo	6.22	6.83	7.21	4.97	2	4.14	3.51	7.98	2.86	3.1	4.14	13.75
29	Nara	5.52	6.8	7.37	4.88	1.77	4.26	3.6	7.93	2.87	3.11	4.15	12.39
30	Wakayama	5.85	7.06	7.35	4.59	2.25	4.28	3.59	7.82	2.85	3.1	4.17	12.33
31	Tottori	6.13	7.25	7.45	4.58	1.99	4.27	3.7	7.86	2.86	3.12	4.25	11.81
32	Shimane	6.37	6.77	7.52	4.94	2.1	4.28	3.73	7.81	2.88	3.15	4.18	12.15
33	Okayama	6.34	7.23	7.38	4.58	1.98	4.21	3.63	7.92	2.88	3.13	4.17	12.88
34	Hiroshima	6.59	7.02	7.29	4.6	2.04	4.11	3.58	7.99	2.87	3.13	4.15	13.18
35	Yamaguchi	7.19	7.05	7.34	4.69	2.26	4.19	3.66	7.95	2.85	3.11	4.14	12.74
36	Tokushima	7.06	7.66	7.32	4.75	2.09	4.26	3.63	7.91	2.85	3.11	4.15	12.1
37	Kagawa	6.42	7.2	7.31	4.63	2.02	4.24	3.67	7.94	2.88	3.12	4.19	12.27
38	Ehime	6.63	7.15	7.16	5.03	2.2	4.19	3.61	7.8	2.88	3.11	4.12	12.68
39	Kochi	7.5	6.86	7.41	4.67	2.41	4.2	3.61	7.78	2.87	3.13	4.2	12.16
40	Fukuoka	6.92	7.28	7.27	4.96	2.01	4	3.5	7.92	2.85	3.12	4.17	13.68
41	Saga	6.75	7.32	7.33	4.58	1.94	4.26	3.62	7.89	2.85	3.13	4.13	12.1
42	Nagasaki	6.51	7.2	7.37	5.29	2.21	4.18	3.55	7.77	2.85	3.12	4.14	12.66
43	Kumamoto	7.13	7.22	7.34	4.6	2.07	4.18	3.55	7.84	2.9	3.14	4.15	12.89
44	Oita	6.31	7.19	7.32	4.94	2.18	4.17	3.61	7.89	2.87	3.11	4.2	12.49
45	Miyazaki	6.74	7.1	7.31	5.01	2.2	4.21	3.56	7.75	2.87	3.14	4.17	12.4
46	Kagoshima	6.68	7.1	7.48	5	2.51	4.2	3.55	7.75	2.86	3.12	4.17	12.91
47	Okinawa	6.92	7.62	7.71	4.13	1.81	3.99	3.26	7.75	2.92	3.18	4.17	12.11

APPENDIX 3

RAW DATA OF THE HIGHER AND LOWER LIFE EXPECTANCY GROUPS

Table 3.1 Raw Data of the Higher Life Expectancy Group

No	Prefecture s	Health Expenditures			LTC Expenditures			Health Resource Availability				LTC Resource Availability		
		Y1	Y2	Y3	Y4	Y5	Y6	X1	X2	X3	X4	X5	X6	X7
		THEE	IP	OP	TLTC E	NC	HC	DOC	CLIN IC	HOS P	BED	SANAT O	HSF	SNH
1	Okinawa	781	423	222	273.2	199.3	73.9	187	49.5	7.1	1505.4	1013.4	2044.3	2220.1
2	Kumamoto	823	397	275	214.5	158.3	56.2	246.6	77	12.3	1991	1248.2	1369.4	1535.3
3	Shimane	688	308	265	182.3	122.3	60.0	237.3	96.3	8	1551.6	581.9	870.2	1853.7
4	Nagano	594	245	235	151.7	93.5	58.2	178.2	63.3	6.3	1114.9	286.2	962	1324.7
5	Fukui	737	352	287	195.6	146.1	49.4	203.3	66.1	11.2	1505.2	630.7	1555.9	1821.4
6	Miyazaki	737	328	262	196.9	134.5	62.3	208.5	71.1	13.7	1710.7	841.4	1214	1496.6
7	Yamanashi	635	274	231	138.2	91.1	47.1	189	67.6	6.6	1236.5	221.8	1181	1223.6
8	Toyama	742	362	264	197.5	148.4	49.2	218.8	67.6	10.1	1601.6	1088.8	1392.2	1394.3
9	Okayama	777	350	290	190.4	128.1	62.3	239.5	81.7	10.1	1637.3	565	1381.9	1611
10	Kochi	827	412	276	227.1	176.2	50.9	261.4	70.7	18.3	2525.4	1816.6	957.6	1647.1
11	Ishikawa	842	424	308	201.2	140.2	61.0	237.9	67.8	10.1	1753.7	878.2	1415.8	1546.9
12	Niigata	630	257	252	174.7	120.4	54.3	172.5	67.8	5.5	1230.2	422.7	1453.1	1473.5
13	Hiroshima	850	353	334	187.3	123.7	63.6	228.8	88.1	9.3	1446.2	727.1	1121.1	1465.9
14	Hokkaido	938	474	286	185.9	145.3	40.7	203.1	57.8	11.2	1902.7	1080.9	1145	1645.6
15	Kagawa	796	351	302	165.2	117.7	47.5	242.6	72.7	11.1	1700.5	614.7	1340.1	1499.7
16	Tottori	683	296	254	191.1	127.1	64.0	263.3	84.5	7.2	1423.6	461.5	1406.8	1719.5
17	Kyoto	831	371	332	178.4	111.7	66.7	268.2	93	7.1	1427.8	851.3	768.2	1310.8
18	Saga	825	364	273	205.8	148.0	57.8	217.9	71.6	13.3	1772.3	857.5	1514.5	1530.2
19	Nagasaki	887	416	287	195.8	131.0	64.9	239.8	91.3	11.6	1925.6	675	1337.6	1591.2
20	Ehime	756	353	289	179.9	120.7	59.3	225.2	79.3	10.5	1594.6	755.4	1270.6	1289.7
21	Kagoshima	829	396	271	210.6	137.4	73.2	213.8	74.5	16.2	2047.6	795.8	1216.2	1777.4
22	Shizuoka	660	267	265	132.4	80.0	52.5	165.2	64.8	4.8	1036.4	384.5	772.6	1073.5
23	Fukuoka	934	438	308	206.9	147.7	59.2	255.6	82.7	9.8	1823.1	1013.2	1446.1	1440.2
	Mean	774.0	357.0	276.9	190.5	132.6	58.0	221.9	74.2	10.1	1628.9	774.4	1266.8	1543.1
	Max	938	474	334	273.2	199.3	73.9	268.2	96.3	18.3	2525.4	1816.6	2044.3	2220.1
	Min	594	245	222	132.4	80	40.7	165.2	49.5	4.8	1036.4	221.8	768.2	1073.5
	SD	94.3	61.7	28.8	29.2	26.4	8.3	29.9	11.6	3.3	333.1	350.5	285.7	241.5

Table 3.2 Raw Data of the Lower Life Expectancy Group

No	Prefecture s	Health Expenditures			LTC Expenditures			Health Resource Availability				LTC Resource Availability		
		Y1	Y2	Y3	Y4	Y5	Y6	X1	X2	X3	X4	X5	X6	X7
		THEE	IP	OP	TLTC E	NC	HC	DOC	CLIN IC	HOS P	BED	SANAT O	HSF	SNH
1	Oita	802	386	275	188.8	125.9	62.9	225.2	74.1	13.1	1732.2	548.7	1325.7	1514.5
2	Kanagawa	716	287	265	131.1	73.5	57.6	167.2	64.1	4.3	886.2	376.1	623.9	1064.9
3	Miyagi	692	283	272	132.0	82.9	49.1	189.4	61.9	6.3	1107.5	146.2	1046.5	1209.3
4	Nara	721	294	307	147.2	93.4	53.8	187.6	67.9	5	1073.1	250.6	893.8	1590.4
5	Tokyo	777	315	279	146.7	85.3	61.4	266.6	97.6	5.8	1107.8	181.2	450.7	1424.8
6	Shiga	679	295	279	142.8	87.0	55.8	186	62.5	4.4	1005.9	365.6	862.9	1188.1
7	Iwate	664	303	247	161.5	118.5	43.0	174.3	61.7	7.8	1495.3	283.2	1511.2	1514.5
8	Yamaguchi	796	371	270	202.6	155.1	47.5	228.3	87.3	10	1866.1	1323	1150.3	1533.1
9	Mie	665	277	285	150.8	101.1	49.7	178.7	71.6	6.3	1142.1	268.4	1308.4	1313.5
10	Tokushima	800	356	309	223.0	166.3	56.7	269.6	93.9	16.1	2028.6	1161.4	2128	1516.3
11	Gunma	665	289	266	151.4	98.1	53.3	190.5	69.7	7.1	1239.1	326.6	1197.2	1244
12	Chiba	651	264	247	124.5	81.5	43.0	142.2	56.4	5.1	941.2	337.1	1057.4	1070.8
13	Yamagata	621	259	245	154.5	100.9	53.5	185.4	69.4	5.5	1199.8	108.1	940.5	1790.7
14	Gifu	694	286	284	140.8	89.0	51.7	164.9	66	5.5	1005.9	237.5	1257.9	1057
15	Hyogo	759	304	312	155.9	103.2	52.7	196	80.5	6.3	1171.3	504.4	926.3	1354.8
16	Saitama	702	292	268	117.4	75.8	41.6	121.7	49.7	5.3	868.1	341.1	842.5	1109.6
17	Wakayama	737	297	330	173.9	111.2	62.7	231	99.7	8.7	1424.7	346.8	1164.7	1561.9
18	Fukushima	698	306	248	127.9	80.9	47.0	173.3	62.8	7.3	1519.8	160.3	1030.6	1102.4
19	Ibaraki	650	270	244	122.4	85.2	37.1	142.3	51	7.2	1101.6	276.8	1217.3	1113.4
20	Aichi	767	316	315	137.2	86.9	50.4	179.4	62.5	5.3	999.3	402.2	974.3	1015.4
21	Tochigi	652	267	278	135.5	92.7	42.8	188.6	63.2	5.7	1099.9	217.7	1196.5	1174.7
22	Akita	697	305	222	172.7	130.7	42.1	181.2	63.9	6.9	1495.1	314.9	1548.4	1696.8
23	Osaka	900	359	374	152.6	99.9	52.7	233.8	85.2	6.5	1319.3	535	905	1237.8
24	Aomori	710	306	257	197.1	127.4	69.7	170.5	66	7.7	1395.8	387	1582.7	1558.3
	Mean	717.3	303.6	272.7	161.8	107.9	53.9	203.2	71.1	8.6	1435.6	595.5	1189.1	1422.1
	Max	900	386	374	223	166.3	69.7	269.6	99.7	16.1	2028.6	1323	2128	1790.7
	Min	621	259	222	117.4	73.5	37.1	121.7	49.7	4.3	868.1	106.1	450.7	1015.4

Table 3.1 Raw Data of the Higher Life Expectancy Group (Cont.)

		Home Care Availability				Area Characteristics						
		X8	X9	X10	X11	X12	X13	X14	X15(a)	X15(b)		
No	Prefectures	HMH ELP	ELDA LO	HMO WN	FLOOR	INCOME	LIFEM A	LIFEFE	UPEL7 0	UPEL6 5	Ratio of Female in Elderly	Life Expectancy (at70yr both sex)
1	Okinawa	62.4	6.14	54.3	26	2317	18.45	24.1	64.84	42.51	63.55	22.041
2	Kumamoto	99.2	7.93	65.1	34.9	2533	18.15	23.08	63.18	43.28	61.91	21.202
3	Shimane	140.2	8.2	72.4	41.8	2464	17.77	23.27	65.61	46.71	61.89	21.174
4	Nagano	113.3	6.01	70.6	41.3	2989	18.38	22.91	63.77	45.02	59.91	21.094
5	Fukui	177.7	5.7	75.4	43.2	2833	17.93	23.05	62.04	43.31	60.94	21.050
6	Miyazaki	149.5	9.07	67.2	35.2	2333	17.72	23.05	65.02	44.09	62.16	21.033
7	Yamanashi	56.8	6.17	68.5	37.5	2861	17.85	23.01	63.89	43.44	60.51	20.972
8	Toyama	84.6	5.57	79.3	46.9	2932	17.79	22.99	70.53	48.55	61.18	20.971
9	Okayama	97.4	7.25	67.5	37.8	2742	17.73	22.97	64.91	44.02	61.24	20.939
10	Kochi	107.1	11.09	66.4	36.8	2402	17.62	22.84	66.97	46.47	62.45	20.880
11	Ishikawa	131.1	5.74	69.9	43.9	2994	17.55	22.9	65.20	44.89	61.34	20.832
12	Niigata	115.5	5.24	75.2	41.6	2955	17.6	22.85	64.20	44.69	61.32	20.819
13	Hiroshima	99.2	7.7	60.9	35.9	2960	17.66	22.82	63.30	43.29	61.16	20.816
14	Hokkaido	84.8	7.3	56	35.2	2715	17.79	22.87	60.76	39.05	59.44	20.810
15	Kagawa	103.0	7.57	69.5	39.2	2804	17.82	22.7	65.76	46.44	60.93	20.793
16	Tottori	97.2	7.29	71.6	40.5	2598	17.46	22.75	70.12	49.27	62.8	20.782
17	Kyoto	218.0	7.41	61	32.6	2952	17.74	22.63	64.69	43.22	61.92	20.768
18	Saga	98.0	6.97	71.1	37.2	2668	17.34	22.82	62.37	43.10	62.43	20.761
19	Nagasaki	199.1	9.14	65.5	34.7	2369	17.36	22.69	62.92	43.18	62.47	20.690
20	Ehime	152.4	9.04	66.1	37	2432	17.73	22.53	61.65	43.36	61.44	20.679
21	Kagoshima	148.1	12.36	66.9	34.7	2333	17.38	22.56	64.71	45.01	62.96	20.641
22	Shizuoka	81.0	4.82	65.5	33.6	3100	17.67	22.6	62.70	42.32	60.02	20.629
23	Fukuoka	143.2	7.44	54.4	33.1	2750	17.31	22.6	64.41	42.11	62.3	20.606
	Mean	120.0	7.4	67.0	37.4	2697	17.7	22.9	64.5	44.2	61.6	20.912
	Max	218	12.36	79.3	46.9	3100	18.45	24.1	70.53	49.27	63.55	22.041
	Min	56.77	4.82	54.3	26	2317	17.31	22.53	60.76	39.05	59.44	20.606
	SD	41.1	1.8	6.4	4.5	254.1	0.3	0.3	2.3	2.2	1.0	0.3

Table 3.1 Raw Data of the Lower Life Expectancy Group (Cont.)

		Home Care Availability				Socio-Economic Factors						
		X8	X9	X10	X11	X12	X13	X14	X15(a)	X15(b)		
No	Prefectures	HMH ELP	ELDA LO	HMO WN	FLOOR	INCOME	LIFEM A	LIFEFE	UPEL7 0	UPEL6 5	Ratio of Female in Elderly	Life Expectancy (at70yr both sex)
1	Oita	140.1	8.89	64.4	37.1	2670	17.7	22.41	66.48	45.58	61.46	20.595
2	Kanagawa	162.4	5	55.8	28.7	3263	17.78	22.5	59.04	35.84	58.61	20.546
3	Miyagi	79.9	4.53	60.1	34.8	2813	17.53	22.48	61.31	40.79	60.32	20.516
4	Nara	131.6	5.88	71.1	36.5	2786	17.7	22.34	63.24	40.93	60.63	20.513
5	Tokyo	315.0	7.16	43.7	28.1	4189	17.79	22.26	61.90	38.77	60.62	20.500
6	Shiga	109.1	4.47	73	38.1	3226	17.41	22.48	61.21	40.87	60.83	20.494
7	Iwate	77.0	6.02	70.1	40.1	2663	17.33	22.51	61.83	40.99	60.98	20.489
8	Yamaguchi	108.4	9.63	66.1	38.9	2832	17.21	22.49	62.69	42.55	61.83	20.475
9	Mie	72.4	6.63	75.4	37.6	2826	17.51	22.39	62.57	42.20	60.61	20.468
10	Tokushima	115.4	8.05	70.8	37.8	2724	17.37	22.38	63.23	42.79	61.61	20.457
11	Gunma	67.9	5.45	70.2	35.5	3057	17.63	22.28	65.04	44.54	60.15	20.427
12	Chiba	54.8	4.49	63.9	31.4	3213	17.67	22.25	60.70	38.22	59.7	20.404
13	Yamagata	87.7	5.26	75.8	40.9	2650	17.57	22.18	63.38	44.71	61.17	20.390
14	Gifu	81.0	5.07	73.1	38.2	2895	17.67	22.22	61.97	41.97	59.34	20.370
15	Hyogo	144.6	7.41	62.8	33.6	2929	17.42	22.19	62.60	40.31	60.84	20.322
16	Saitama	58.5	3.92	64.6	29.7	3274	17.55	22.14	63.03	38.54	59.47	20.280
17	Wakayama	98.9	9.51	72.5	36.4	2492	17.23	22.17	64.52	43.61	61.44	20.265
18	Fukushima	115.1	5.64	67.9	36.3	2810	17.19	22.19	61.61	42.31	60.73	20.227
19	Ibaraki	34.7	4.3	70.5	34.1	3024	17.29	22.12	64.00	43.07	60.4	20.207
20	Aichi	114.2	4.84	59.3	33.2	3550	17.48	22.02	64.66	39.84	59.73	20.192
21	Tochigi	60.7	4.68	69.3	34.7	3172	17.26	22.06	63.90	43.95	60.73	20.175
22	Akita	82.4	6.69	77.8	44.7	2576	17.05	22.12	55.17	39.96	61.42	20.164
23	Osaka	203.5	7.32	51.4	28	3312	16.98	21.93	62.50	37.61	61.03	20.001
24	Aomori	91.4	6.58	70	40.7	2483	16.52	21.87	61.67	39.50	61.96	19.835
	Mean	113.7	6.77	65.62	35.89	2781	17.24	22.17	62.35	41.99	60.76	20.234
	Max	315	9.63	77.8	44.7	4189	17.79	22.51	66.48	45.58	61.96	20.595
	Min	34.74	3.92	43.7	28	2483	16.52	21.87	55.17	35.84	58.61	19.835

APPENDIX 4

RESULTS OF INDEPDENDENT SAMPLES TESTS FOR TWO-GROUPED DATA CLASSIFIED BY LIFE EXPECTANCY

Table 4.1 Results of Independent Samples Tests for Two-grouped Data Classified by Life Expectancy

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
THEE	Equal variances assumed	3.701	.061	2.414	45	.020	56.71	23.50	9.39	104.03
	Equal variances not assumed			2.395	38.783	.022	56.71	23.68	8.80	104.62

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
IP	Equal variances assumed	6.995	.011	3.710	45	.001	53.38	14.39	24.40	82.35
	Equal variances not assumed			3.667	33.609	.001	53.38	14.56	23.78	82.97

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
OP	Equal variances assumed	.137	.713	-.152	45	.880	-1.38	9.09	-19.70	16.94
	Equal variances not assumed			-.152	44.537	.880	-1.38	9.07	-19.64	16.88

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
TLTCE	Equal variances assumed	.010	.923	4.474	45	.000	36.785	8.221	20.227	53.344
	Equal variances not assumed			4.467	44.390	.000	36.785	8.234	20.194	53.377

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
NC	Equal variances assumed	.046	.832	4.114	45	.000	30.369	7.382	15.500	45.238
	Equal variances not assumed			4.106	44.231	.000	30.369	7.397	15.464	45.274

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
HC	Equal variances assumed	.047	.829	2.724	45	.009	6.434	2.362	1.677	11.191
	Equal variances not assumed			2.721	44.664	.009	6.434	2.364	1.671	11.196

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