

表1-3-8. NH residents death multivariate analysis Distinct level (2001)

number of sample	model 22		model 23		model 24	
	AOR	(NH 175 (95% C. I.) H 209)	AOR	(NH 175 (95% C. I.) H 209)	AOR	(NH 175 (95% C. I.) H 209)
age (continuous variable)	1.033	(1.003 - 1.063)	1.032	(1.003 - 1.063)	1.032	(1.002 - 1.063)
Cognitive dysfunction level M	2.147	(1.155 - 3.991)	2.058	(1.102 - 3.842)	2.077	(1.110 - 3.888)
ADL level C	1.585	(0.838 - 3.001)	1.580	(0.834 - 2.991)	1.580	(0.833 - 2.993)
Eat total-dependent	0.919	(0.483 - 1.751)	0.933	(0.488 - 1.781)	0.897	(0.470 - 1.713)
Cognition of call of nature impossible	1.007	(0.674 - 1.506)	1.020	(0.681 - 1.529)	1.038	(0.692 - 1.556)
malignancy	0.619	(0.291 - 1.319)	0.606	(0.283 - 1.298)	0.608	(0.285 - 1.299)
Respiratory Disease	0.449	(0.227 - 0.889)	0.445	(0.223 - 0.886)	0.442	(0.222 - 0.880)
Ischemic Heart Disease	0.782	(0.318 - 1.923)	0.778	(0.313 - 1.934)	0.808	(0.327 - 2.000)
Stroke	0.789	(0.494 - 1.262)	0.760	(0.473 - 1.219)	0.786	(0.491 - 1.261)
Genitourinary Disease	0.215	(0.054 - 0.849)	0.190	(0.047 - 0.765)	0.195	(0.048 - 0.793)
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere	2.623	(0.786 - 8.752)	2.453	(0.733 - 8.203)	2.530	(0.755 - 8.477)
Year of Foundation	0.988	(0.965 - 1.012)	0.986	(0.963 - 1.011)	0.991	(0.967 - 1.014)
mean care level upper quadrant	1.754	(1.074 - 2.862)	1.791	(1.093 - 2.934)	1.753	(1.072 - 2.867)
full-time physician			1.606	(0.788 - 3.272)	1.613	(0.788 - 3.299)
number of nurse more than x1.5 of the rule			0.744	(0.447 - 1.237)		
number of nurse or careworker more than x1.5 of the rule (x10)					0.613	(0.200 - 1.880)
not city	1.741	(1.103 - 2.749)	1.716	(1.076 - 2.736)	1.754	(1.104 - 2.787)
Model Fitness						
-2 logL (intercept)	529.323		529.323		529.323	
-2 logL (intercept covariate)	476.562		473.533		474.076	
Wald test	43.420		45.659		44.993	
Pr>Chisq	<.0001		<.0001		<.0001	

NH:death in nursing home, H:death in hospital, 95% C. I.=95% Confidence Interval, cf:confer

表1-3-9. NH residents death multivariate analysis Districl level (2001)

number of samplc	model 25		model 26		model 27	
	AOR	(NH 175 (95% C.I.))	H 295 (95% C.I.)	AOR	(NH 175 (95% C.I.))	H 209 (95% C.I.)
age (continuous variable)	1.036	(1.006 - 1.068)	1.036	(1.005 - 1.068)	1.036	(1.005 - 1.068)
Cognitive dysfunction level M	2.286	(1.214 - 4.305)	2.186	(1.154 - 4.140)	2.186	(1.154 - 4.140)
ADL level C	1.652	(0.860 - 3.170)	1.657	(0.862 - 3.183)	1.657	(0.862 - 3.183)
Eat total-dependent	0.911	(0.470 - 1.764)	0.907	(0.466 - 1.762)	0.907	(0.466 - 1.762)
Cognition of call of nature impossible	0.982	(0.650 - 1.485)	0.998	(0.659 - 1.511)	0.998	(0.659 - 1.511)
malignancy	0.595	(0.275 - 1.289)	0.588	(0.271 - 1.275)	0.588	(0.271 - 1.275)
Respiratory Disease	0.424	(0.212 - 0.850)	0.412	(0.204 - 0.834)	0.412	(0.204 - 0.834)
Ischemic Heart Disease	0.774	(0.308 - 1.945)	0.803	(0.316 - 2.037)	0.803	(0.316 - 2.037)
Stroke	0.757	(0.467 - 1.228)	0.731	(0.448 - 1.191)	0.731	(0.448 - 1.191)
Genitourinary Disease	0.231	(0.056 - 0.958)	0.201	(0.047 - 0.852)	0.201	(0.047 - 0.852)
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere	2.671	(0.789 - 9.039)	2.526	(0.740 - 8.622)	2.526	(0.740 - 8.622)
Year of Fundation	0.981	(0.957 - 1.006)	0.981	(0.956 - 1.007)	0.981	(0.956 - 1.007)
mean care level upper quadrant	1.508	(0.889 - 2.558)	1.527	(0.896 - 2.601)	1.527	(0.896 - 2.601)
full-time physician			1.809	(0.854 - 3.832)	1.809	(0.854 - 3.832)
number of nurse more than x1.5 of the rule			0.864	(0.502 - 1.486)		
number of nurse or careworker more than x1.5 of the rule (x10)			0.864	(0.502 - 1.486)		
not city	1.791	(1.080 - 2.970)	1.803	(1.082 - 3.004)	1.803	(1.082 - 3.004)
NH beds/100,000per peop upper quadrant	1.547	(0.846 - 2.827)	1.524	(0.826 - 2.811)	1.524	(0.826 - 2.811)
HFE beds/100,000people upper quadrant	1.097	(0.556 - 2.166)	1.176	(0.591 - 2.840)	1.176	(0.591 - 2.340)
CSF beds/100,000people upper quadrant	0.288	(0.126 - 0.660)	0.296	(0.128 - 0.683)	0.296	(0.128 - 0.683)
Hospital beds/100,000peop upper quadrant	1.431	(0.636 - 3.224)	1.374	(0.602 - 3.135)	1.374	(0.602 - 3.135)
Number of Physician /100,000people upper quadrant	0.835	(0.497 - 1.400)	0.923	(0.538 - 1.582)	0.923	(0.538 - 1.582)
Model Fitness						
-2 logl (intercept)	529.323		529.323		529.323	
-2 logl (intercept covariate)	461.611		458.954		458.954	
Wald test	52.650		54.301		54.301	
Chi square	<.0001		<.0001		<.0001	
Pr>ChiSq						

NH:death in nursing home, H:death in hospital, 95% C.I.=95%Confidence Interval, cf:confer

表1-3-10. NH residents death multivariate analysis District level (2001)

number of sample	model 28		model 29		model 30	
	AOR	(NH 175 (95%CI))	AOR	(NH 175 (95%CI))	AOR	(NH 175 (95%CI))
age (continuous variable)	1.036	(1.006 - 1.067)	1.036	(1.005 - 1.067)	1.036	(1.006 - 1.068)
Cognitive dysfunction level M	2.135	(1.140 - 3.998)	2.034	(1.081 - 3.828)	2.057	(1.089 - 3.885)
ADL level C	1.626	(0.851 - 3.104)	1.634	(0.855 - 3.120)	1.639	(0.857 - 3.134)
Eat total-dependent	0.917	(0.476 - 1.763)	0.924	(0.479 - 1.781)	0.886	(0.459 - 1.710)
Cognition of call of nature impossible	0.986	(0.655 - 1.487)	0.991	(0.657 - 1.496)	1.014	(0.671 - 1.531)
malignancy	0.612	(0.286 - 1.309)	0.599	(0.279 - 1.289)	0.596	(0.278 - 1.278)
Respiratory Disease	0.437	(0.219 - 0.872)	0.433	(0.216 - 0.870)	0.433	(0.215 - 0.869)
Ischmic Heart Disease	0.788	(0.317 - 1.963)	0.791	(0.314 - 1.993)	0.814	(0.324 - 2.040)
Stroke	0.765	(0.473 - 1.237)	0.738	(0.454 - 1.199)	0.766	(0.472 - 1.244)
Genitourinary Disease	0.227	(0.056 - 0.921)	0.197	(0.048 - 0.814)	0.208	(0.050 - 0.872)
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere	2.573	(0.766 - 8.643)	2.433	(0.721 - 8.210)	2.486	(0.735 - 8.404)
Year of Foundation	0.984	(0.960 - 1.008)	0.982	(0.958 - 1.007)	0.986	(0.962 - 1.011)
mean care level upper quadrant	1.658	(0.992 - 2.770)	1.709	(1.018 - 2.869)	1.659	(0.991 - 2.778)
full-time physician number of nurse more than x1.5 of the rule			1.636	(0.793 - 3.375)	1.623	(0.783 - 3.363)
number of nurse or careworker more than x1.5 of the rule (x10)			0.772	(0.454 - 1.312)	0.535	(0.171 - 1.673)
not city	1.927	(1.171 - 3.170)	1.925	(1.161 - 3.194)	1.951	(1.180 - 3.226)
NH beds/100,000per elder upper quadrant	1.004	(0.532 - 1.894)	1.016	(0.537 - 1.923)	1.026	(0.542 - 1.942)
HFE beds/100,000 elder! upper quadrant	1.204	(0.636 - 2.276)	1.268	(0.666 - 2.412)	1.229	(0.647 - 2.337)
CSF beds/100,000 elder! upper quadrant	0.536	(0.247 - 1.160)	0.578	(0.264 - 1.265)	0.540	(0.249 - 1.174)
Hospiti beds/100,000 etc upper quadrant	0.886	(0.411 - 1.911)	0.835	(0.385 - 1.814)	0.845	(0.390 - 1.832)
Number of Physician /100,000people upper quadrant	1.086	(0.665 - 1.774)	1.169	(0.705 - 1.938)	1.154	(0.700 - 1.901)
Model Fitness						
-2 logL (intercept)	529.323		529.323		529.323	
-2 logL (intercept covariate)	470.567		467.930		467.631	
Wald test	46.918		48.707		48.666	
Pr>Chisq	<0.001		0.001		0.001	

NH:death in nursing home, H:death in hospital, 95%CI.=95%Confidence Interval, cf:confer

表1-3- 11. NH residents death multivariate analysis District level (2001)

number of sample	model 31 AOR	(NH 175 (95% C.I.))	H 209 (95% C.I.)	model 32 384 AOR	(NH 175 (95% C.I.))	H 209 (95% C.I.)	model 33 AOR	(NH (95% C.I.))	H (95% C.I.)
age (continuous variable)	1.035	(1.005 - 1.066)		1.035	(1.005 - 1.066)		1.035	(1.004 - 1.066)	
Cognitive dysfunction level M	2.144	(1.147 - 4.008)		2.054	(1.094 - 3.856)		2.077	(1.103 - 3.911)	
ADL level C	1.568	(0.825 - 2.978)		1.566	(0.824 - 2.976)		1.570	(0.826 - 2.984)	
Eat total-dependent nature impossible	0.949	(0.497 - 1.814)		0.962	(0.501 - 1.845)		0.922	(0.481 - 1.767)	
Cognition of call of nature impossible	0.988	(0.657 - 1.488)		1.001	(0.663 - 1.511)		1.020	(0.676 - 1.540)	
malignancy	0.629	(0.293 - 1.350)		0.616	(0.285 - 1.329)		0.616	(0.286 - 1.325)	
Respiratory Disease	0.427	(0.215 - 0.847)		0.422	(0.211 - 0.844)		0.419	(0.209 - 0.839)	
Ischemic Heart Disease	0.851	(0.343 - 2.110)		0.846	(0.337 - 2.125)		0.884	(0.355 - 2.204)	
Stroke	0.778	(0.463 - 1.253)		0.749	(0.463 - 1.211)		0.779	(0.482 - 1.257)	
Genitourinary Disease	0.215	(0.052 - 0.884)		0.191	(0.046 - 0.792)		0.199	(0.047 - 0.836)	
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere	2.394	(0.713 - 8.040)		2.227	(0.661 - 7.503)		2.309	(0.684 - 7.793)	
Year of Foundation mean care levelmore than x1.5 of the rule	0.982	(0.958 - 1.006)		0.979	(0.955 - 1.005)		0.984	(0.960 - 1.009)	
full-time physician number of nurse more than x1.5 of the rule	1.780	(1.072 - 2.955)		1.811	(1.085 - 3.022)		1.764	(1.059 - 2.937)	
number of nurse or careworker more than x1.5 of the rule (x10)				1.604	(0.778 - 3.305)		1.610	(0.778 - 3.331)	
				0.728	(0.434 - 1.220)				
							0.599	(0.196 - 1.835)	
not city	1.966	(1.198 - 3.227)		1.925	(1.166 - 3.179)		1.959	(1.190 - 3.226)	
LTC beds/100,000per peop upper quadrant	1.415	(0.714 - 2.801)		1.460	(0.736 - 2.897)		1.474	(0.742 - 2.926)	
Hospiti beds/100,000 per upper quadrant	0.595	(0.323 - 1.093)		0.583	(0.317 - 1.073)		0.588	(0.320 - 1.080)	
Number of Emergency Bed: /100,000people upper quadrant	0.661	(0.363 - 1.202)		0.668	(0.366 - 1.218)		0.673	(0.370 - 1.225)	
Model Fitness	529.323			529.323			529.323		
-2 logL (intercept)	470.296			467.171			467.794		
-2 logL (intercept) covariate)									
Wald test	46.781			48.891			48.341		
Pr>Chisq	0.000			0.000			0.000		

NH:death in nursing home, H:death in hospital, 95% C.I.=95% Confidence interval, cf:confer

表1-3-12 . NH residents death multivariate analysis District level (2001)

number of sample	model 34		model 35		model 36	
	AOR	(NH 175 95%C.I.)	AOR	(NH 175 95%C.I.)	AOR	(NH 175 95%C.I.)
age (continuous variable)	1.038	(1.007 - 1.069)	1.038	(1.007 - 1.069)	1.038	(1.007 - 1.070)
Cognitive dysfunction level M	2.202	(1.172 - 4.138)	2.116	(1.121 - 3.994)	2.138	(1.130 - 4.048)
ADL level C	1.428	(0.748 - 2.727)	1.423	(0.745 - 2.718)	1.433	(0.750 - 2.735)
Eat total-dependent	0.965	(0.502 - 1.854)	0.975	(0.506 - 1.878)	0.942	(0.490 - 1.812)
Cognition of call of nature impossible	1.047	(0.693 - 1.584)	1.063	(0.702 - 1.609)	1.073	(0.708 - 1.626)
malignancy	0.668	(0.307 - 1.450)	0.657	(0.300 - 1.436)	0.654	(0.300 - 1.424)
Respiratory Disease	0.449	(0.226 - 0.892)	0.441	(0.220 - 0.884)	0.441	(0.220 - 0.882)
Ischemic Heart Disease	0.799	(0.320 - 1.994)	0.797	(0.315 - 2.016)	0.830	(0.330 - 2.085)
Stroke	0.772	(0.475 - 1.253)	0.742	(0.455 - 1.210)	0.766	(0.471 - 1.247)
Genitourinary Disease	0.214	(0.051 - 0.901)	0.186	(0.043 - 0.794)	0.194	(0.045 - 0.839)
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere	2.162	(0.640 - 7.299)	2.024	(0.597 - 6.862)	2.096	(0.617 - 7.116)
Year of Foundation	0.980	(0.956 - 1.004)	0.978	(0.953 - 1.003)	0.982	(0.958 - 1.007)
mean care level upper quadrant	1.828	(1.104 - 3.026)	1.869	(1.124 - 3.109)	1.820	(1.096 - 3.023)
full-time physician number of nurse more than x1.5 of the rule			1.642	(0.793 - 3.402)	0.633	(0.208 - 1.925)
number of nurse or careworker more than x1.5 of the rule (x10)			0.750	(0.446 - 1.261)		
not city	2.180	(1.336 - 3.556)	2.151	(1.305 - 3.545)	2.206	(1.344 - 3.621)
LTC beds/100,000per peop upper quadrant	1.036	(0.478 - 2.245)	1.030	(0.473 - 2.242)	0.998	(0.459 - 2.169)
Hospital beds/100,000 per upper quadrant	0.525	(0.223 - 1.233)	0.538	(0.229 - 1.265)	0.537	(0.228 - 1.264)
Number of Emergency Beds /100,000people upper qt	0.434	(0.244 - 0.773)	0.428	(0.240 - 0.764)	0.438	(0.246 - 0.780)
Model Fitness						
-2 logL (intercept)	529.323		529.323		529.323	
-2 logL (intercept covariate)	462.853		459.878		460.389	
Wald test	51.170		53.089		52.567	
Pr>Chisq	<.0001		<.0001		<.0001	

NH:death in nursing home, H:death in hospital, 95%C.I.=95%Confidence Interval, cf:confer

表I-3-13. NH residents death multivariate analysis Distict level (2001)

number of sample	model 37		model 38		model 39	
	AOR	384 (NH 175 (95%CI.) H 209)	AOR	384 (NH 175 (95%CI.) H 209)	AOR	384 (NH 175 (95%CI.) H 209)
age (continuous variable)	1.033 (	1.003 - 1.064)	1.033 (	1.033 - 1.064)	1.033 (	1.002 - 1.064)
Cognitive dysfunction level	2.205 (	1.175 - 4.135)	2.102 (	2.102 - 3.963)	2.121 (	1.122 - 4.012)
M	1.616 (	0.851 - 3.071)	1.608 (	1.608 - 3.056)	1.612 (	0.848 - 3.064)
ADL level C	0.907 (	0.474 - 1.736)	0.91 (	0.91 - 1.75)	0.877 (	0.457 - 1.683)
Eat total-dependent	1.002 (	0.667 - 1.506)	1.024 (	1.024 - 1.543)	1.041 (	0.691 - 1.569)
Cognition of call of nature impossible	0.639 (	0.299 - 1.366)	0.632 (	0.632 - 1.361)	0.633 (	0.295 - 1.357)
malignancy	0.441 (	0.222 - 0.878)	0.424 (	0.424 - 0.853)	0.424 (	0.21 - 0.853)
Respiratory Disease	0.865 (	0.349 - 2.148)	0.886 (	0.886 - 2.234)	0.921 (	0.368 - 2.307)
Ischemic Heart Disease	0.813 (	0.505 - 1.311)	0.78 (	0.78 - 1.263)	0.81 (	0.501 - 1.31)
Stroke	0.242 (	0.059 - 0.992)	0.201 (	0.201 - 0.847)	0.209 (	0.049 - 0.894)
Genitourinary Disease	2.49 (	0.744 - 8.328)	2.305 (	2.305 - 7.752)	2.379 (	0.706 - 8.017)
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified						
Year of Foundation	0.982 (	0.958 - 1.006)	0.98 (	0.956 - 1.005)	0.984 (	0.96 - 1.008)
mean care level upper quadrant	1.661 (	1.012 - 2.725)	1.692 (	1.026 - 2.791)	1.655 (	1.005 - 2.726)
full-time physician number of nurse more than x1.5 of the rule			1.932 (	0.919 - 4.062)	1.938 (	0.918 - 4.09)
number of nurse or careworker more than x1.5 of the rule			0.763 (	0.454 - 1.281)		
					0.597 (	0.193 - 1.842)
not city hokkaidou	1.933 (	1.21 - 3.089)	1.959 (	1.209 - 3.175)	1.997 (	1.238 - 3.221)
	0.205 (	0.062 - 0.684)	0.18 (	0.053 - 0.611)	0.176 (	0.052 - 0.597)
Model Fitness						
-2 logL (intercept)	529.323		529.323		529.323	
-2 logL (intercept covariate)	468.52		464.414		464.624	
Wald test	47.784		50.1662		49.797	
ChiSq	<.0001		<.0001		<.0001	
Pr>ChiSq						
NH:death in nursing home, H:death in hospital, 95%CI.=95%Confidence Interval, cf.conf						

表1-4-1. Medical Procudure (2001)

		Total		death in NH		death in H		χ^2	p	
		n	(%)	n	(%)	n	(%)			
		406		182		224				
any medical procedure		1 0	242 164	(59.6) (40.4)	111 71	(61.0) (39.0)	131 93	(58.5) (41.5)	0.2621	0.609
Nutrition and Fluid	Tube Feeding	1 0	64 342	(15.8) (84.2)	34 148	(18.7) (81.3)	30 194	(13.4) (86.6)	2.115	0.146
	intravenous drip	1 0	149 257	(36.7) (63.3)	62 120	(34.1) (65.9)	87 137	(38.8) (61.2)	0.985	0.321
	Intravenous Hyperalimentionation	1 0	25 381	(6.2) (93.8)	1 181	(0.5) (99.5)	24 200	(10.7) (89.3)		<.0001
Respiratory System	Sucction	1 0	106 300	(26.1) (73.9)	53 129	(29.1) (70.9)	53 171	(23.7) (76.3)		0.256
	Oxgen Therapy	1 0	126 280	(31.0) (69.0)	51 131	(28.0) (72.0)	75 149	(33.5) (66.5)	1.399	0.237
	Neblizer	1 0	15 391	(3.7) (96.3)	4 178	(2.2) (97.8)	11 213	(4.9) (95.1)		0.1898 [‡]
	Artificial Ventilation	1 0	10 396	(2.5) (97.5)	0 182	0.0 (100.0)	10 214	(4.5) (95.5)	8.330	0.004
	Trachodotomy	0	406	(100.0)	182	(100.0)	224	(100.0)		
Genitourethral System	Urethral Catheter	1 0	100 406	(24.6) (100.0)	15 167	(8.2) (91.8)	52 172	(23.2) (76.8)	16.337	<.0001
	Urostomy	0	406	(100.0)	182	(100.0)	224	(100.0)		
	Stoma	1 0	1 405	(0.2) (99.8)	1 181	(0.5) (99.5)	0 224	0.0 (100.0)		0.448 [‡]
	Dyalysis	0	406	(100.0)	182	(100.0)	224	(100.0)		
Other	Pain Control	1 0	21 385	(5.2) (94.8)	11 171	(6.0) (94.0)	10 214	(4.5) (95.5)	0.511	0.475
	Monitering	1 0	91 315	(22.4) (77.6)	25 157	(13.7) (86.3)	66 158	(29.5) (70.5)	14.284	<.0001
	Decubitus care	1 0	24 382	(5.9) (94.1)	12 170	(6.6) (93.4)	12 212	(5.4) (94.6)	0.276	0.599
	Drain	1 0	3 403	(0.7) (99.3)	0 182	0.0 (100.0)	3 221	(1.3) (98.7)		0.2562 [‡]
	Others	1 0	31 375	(7.6) (92.4)	16 166	(8.8) (91.2)	15 209	(6.7) (93.3)	0.625	0.429
Number of Medical Procedure	0		164	(40.4)	71	(39.0)	93	(41.5)		
	1		62	(15.3)	34	(18.7)	28	(12.5)		
	2		54	(13.3)	28	(15.4)	26	(11.6)		
	3		40	(9.9)	19	(10.4)	21	(9.4)		
	4		34	(8.4)	20	(11.0)	14	(6.3)		
	5		25	(6.2)	6	(3.3)	19	(8.5)		
	6		14	(3.4)	2	(1.1)	12	(5.4)		
	7		7	(1.7)	0	0.0	7	(3.1)		
	8		5	(1.2)	2	(1.1)	3	(1.3)		
	9		1	(0.2)	0	0.0	1	(0.4)		
	median (range)		1.0	(0-9)	1.0	(0-8)	1.0	(0-9)		0.2923 [†]

[‡]:Fisherexact test, [†]:Wilcoxon test

表1-4-2. Medical Procedure in NH (2001)

		Total		death in NH		death in H		χ^2	p
		n	(%)	n	(%)	n	(%)		
		406		182		224			
any medical procedure		1 0	178 228	(43.8) (56.2)	108 74	(59.3) (40.7)	70 154	(31.3) (68.8)	32.18 <0.0001
Nutrition and Fluid	Tube Feeding	1 0	49 357	(12.1) (87.9)	32 150	(17.6) (82.4)	17 207	(7.6) (92.4)	9.95 0.002
	intravenous drip	1 0	85 321	(20.9) (79.1)	58 124	(31.9) (68.1)	27 197	(12.1) (87.9)	23.82 <0.0001
	Intravenous Hyperalimentation	1 0	3 403	(0.7) (99.3)	1 181	(0.5) (99.5)	2 222	(0.9) (99.1)	1.000*
Respiratory System	Sucction	1 0	74 332	(18.2) (81.8)	53 129	(29.1) (70.9)	21 203	(9.4) (90.6)	26.27 <0.0001
	Oxgen Therapy	1 0	68 338	(16.7) (83.3)	48 134	(26.4) (73.6)	20 204	(8.9) (91.1)	21.92 <0.0001
	Neblizer	1 0	5 401	(1.2) (98.8)	4 178	(2.2) (97.8)	1 223	(0.4) (99.6)	0.178*
	Artificial Ventilation	1 0	1 405	(0.2) (99.8)	0 182	0.0 (100.0)	1 223	(0.4) (99.6)	1.000*
	Trachodotomy	0	406	(100.0)	182	(100.0)	224	(100.0)	
Genitourethral System	Urethral Catheter	1 0	24 382	(5.9) (94.1)	13 169	(7.1) (92.9)	11 213	(4.9) (95.1)	0.90 0.343
	Urostomy	0	406	(100.0)	182	(100.0)	224	(100.0)	
	Stoma	1 0	1 405	(0.2) (99.8)	1 181	(0.5) (99.5)	0 224	0.0 (100.0)	0.448*
	Dyalysis	0	406	(100.0)	182	(100.0)	224	(100.0)	1.000*
Other	Pain Control	1 0	16 390	(3.9) (96.1)	10 172	(5.5) (94.5)	6 218	(2.7) (97.3)	2.10 0.147
	Monitering	1 0	37 369	(9.1) (90.9)	25 157	(13.7) (86.3)	12 212	(5.4) (94.6)	8.51 0.004
	Decubitus care	1 0	18 388	(4.4) (95.6)	12 170	(6.6) (93.4)	6 218	(2.7) (97.3)	3.63 0.057
	Drain	1 0	1 405	(0.2) (99.8)	0 182	0.0 (100.0)	1 223	(0.4) (99.6)	
	Others	1 0	23 383	(5.7) (94.3)	14 168	(7.7) (92.3)	9 215	(4.0) (96.0)	2.54 0.111
Number of Medical Procedure	0	228	(56.2)	74	(40.7)	154	(68.8)		
	1	73	(18.0)	36	(19.8)	37	(16.5)		
	2	40	(9.9)	25	(13.7)	15	(6.7)		
	3	29	(7.1)	19	(10.4)	10	(4.5)		
	4	23	(5.7)	19	(10.4)	4	(1.8)		
	5	9	(2.2)	6	(3.3)	3	(1.3)		
	6	2	(0.5)	1	(0.5)	1	(0.4)		
	8	2	(0.5)	2	(1.1)	0	0.0		
	median (range)	0.0	(0-8)	0.0	(0-8)	1.0	(0-6)		<0.0001†

*:Fisherexact test, †:Wilcoxon test

表I-4-3. Medical Procudure out of NH (2001)

		Total		death in NH		death in H		χ^2	p	
		n	(%)	n	(%)	n	(%)			
		406		182		224				
any medical procedure		1	106	(26.1)	15	(8.2)	91	(40.6)	54.58	<0.0001
		0	300	(73.9)	167	(91.8)	133	(59.4)		
Nutrition and Fluid	Tube Feeding	1	15	(3.7)	2	(1.1)	13	(5.8)	51.18	<0.0001
		0	391	(96.3)	180	(98.9)	211	(94.2)		
	intravenous drip	1	78	(19.2)	7	(3.8)	71	(31.7)	51.18	<0.0001
		0	328	(80.8)	175	(96.2)	153	(68.3)		
	Intravenous Hyperalimantation	1	23	(5.7)	1	(0.5)	22	(9.8)	<0.0001 [†]	
		0	383	(94.3)	181	(99.5)	202	(90.2)		
Respiratory System	Sucction	1	42	(10.3)	2	(1.1)	40	(17.9)	46.38	<0.0001 [†]
		0	364	(89.7)	180	(98.9)	184	(82.1)		
	Oxgen Therapy	1	68	(16.7)	5	(2.7)	63	(28.1)	46.38	<0.0001
		0	338	(83.3)	177	(97.3)	161	(71.9)		
	Neblizer	1	10	(2.5)	0	0.0	10	(4.5)	0.003 [†]	
		0	396	(97.5)	182	(100.0)	214	(95.5)		
	Artificial Ventilation	1	9	(2.2)	0	0.0	9	(4.0)	0.005 [†]	
		0	397	(97.8)	182	(100.0)	215	(96.0)		
	Trachodotomy	0	406	(100.0)	182	(100.0)	224	(100.0)		
Genitourethral System	Urethral Catheter	1	46	(11.3)	2	(1.1)	44	(19.6)	<0.0001 [†]	
		0	360	(88.7)	180	(98.9)	180	(80.4)		
	Urostomy	0	406	(100.0)	182	(100.0)	224	(100.0)		
	Stoma	0	406	(100.0)	182	(100.0)	224	(100.0)		
	Dyalysis	0	406	(100.0)	182	(100.0)	224	(100.0)		
Other	Pain Control	1	5	(1.2)	1	(0.5)	4	(1.8)	0.385 [†]	
		0	401	(98.8)	181	(99.5)	220	(98.2)		
	Monitering	1	57	(14.0)	1	(0.5)	56	(25.0)	<0.0001 [†]	
		0	349	(86.0)	181	(99.5)	168	(75.0)		
	Decubitus care	1	9	(2.2)	0	0.0	9	(4.0)	0.005 [†]	
		0	397	(97.8)	182	(100.0)	215	(96.0)		
	Drain	1	2	(0.5)	0	0.0	2	(0.9)	0.504 [†]	
		0	404	(99.5)	182	(100.0)	222	(99.1)		
	Others	1	8	(2.0)	2	(1.1)	6	(2.7)	0.305 [†]	
		0	398	(98.0)	180	(98.9)	218	(97.3)		
Number of Medical Procedure		0	300	(73.9)	167	(91.8)	133	(59.4)		
		1	22	(5.4)	8	(4.4)	14	(6.3)		
		2	21	(5.2)	6	(3.3)	15	(6.7)		
		3	13	(3.2)	1	(0.5)	12	(5.4)		
		4	16	(3.9)	0	0.0	16	(7.1)		
		5	14	(3.4)	0	0.0	14	(6.3)		
		6	10	(2.5)	0	0.0	10	(4.5)		
		7	6	(1.5)	0	0.0	6	(2.7)		
		8	3	(0.7)	0	0.0	3	(1.3)		
		9	1	(0.2)	0	0.0	1	(0.4)		
	median (range)		0.0	(0-9)	0.0	(0-3)	0.0	(0-9)	<0.0001 [†]	

†:Fisherexact test, †:Wilcoxon test

表I-5. Expenditure (2001)

	Total n (%)	death in NH n (%)	death in H n (%)	χ^2	p
	406	182	224		
no out of pocket expenditure to NH	79 (19.5)	12 (6.6)	67 (29.9)	34.84	<0.001
any payment to NH	327 (80.5)	170 (93.4)	157 (70.1)		
	median	median	median	(range)	p
Total out of pocket expenditure to NH	6657 (0 - 102177)	13560 (0 - 102177)	1940 (0 - 87586)		<0.001
Service	3050 (0 - 46217)	6749.5 (0 - 46217)	448 (0 - 29174)		<0.001
Food	2000 (0 - 23400)	4500 (0 - 23400)	0 (0 - 22620)		<0.001
Special Room	0 (0 - 54000)	0 (0 - 54000)	0 (0 - 0)		0.269
Speical Food	0 (0 - 2250)	0 (0 - 2250)	0 (0 - 240)		0.445
Hair Cut	0 (0 - 2600)	0 (0 - 2600)	0 (0 - 2200)		0.023
sundry goods	0 (0 - 9240)	0 (0 - 9240)	0 (0 - 2550)		0.004
Culture and Recreation	0 (0 - 21000)	0 (0 - 21000)	0 (0 - 1150)		0.489
Laundry	0 (0 - 504)	0 (0 - 0)	0 (0 - 504)		0.370
Supervision	0 (0 - 3000)	0 (0 - 3000)	0 (0 - 3000)		0.586
Others	0 (0 - 69089)	0 (0 - 16818)	0 (0 - 69089)		0.036

表I-6. NH residents with or without tube feeding (2001)

		Total n (%)	With Tube n (%)	Without Tube n (%)
Total		35565	1525	34040
age	<64	509 (1.4)	18 (1.2)	491 (1.4)
	65-69	1432 (4.0)	70 (4.6)	1362 (4.0)
	70-74	3009 (8.5)	138 (9.0)	2871 (8.4)
	75-79	5140 (14.5)	234 (15.3)	4906 (14.4)
	80-84	7675 (21.6)	326 (21.4)	7349 (21.6)
	85-89	8952 (25.2)	361 (23.7)	8591 (25.2)
	90-94	6381 (17.9)	264 (17.3)	6117 (18.0)
	95-99	2106 (5.9)	100 (6.6)	2006 (5.9)
	100-104	333 (0.9)	13 (0.9)	320 (0.9)
	105-109	28 (0.1)	1 (0.1)	27 (0.1)
median (range)		85 (41-108)	84 (53-106)	85 (41-108)
Length of Stay	1 <3M	1686 (4.7)	61 (4.0)	1625 (4.8)
	2 <6M	1889 (5.3)	50 (3.3)	1839 (5.4)
	3 <1Y	3573 (10.0)	116 (7.6)	3457 (10.2)
	4 <2Y	6371 (17.9)	213 (14.0)	6158 (18.1)
	5 <3Y	5109 (14.4)	238 (15.6)	4871 (14.3)
	6 <4Y	3768 (10.6)	173 (11.3)	3595 (10.6)
	7 <5Y	3131 (8.8)	154 (10.1)	2977 (8.7)
	8 <6Y	2258 (6.3)	102 (6.7)	2156 (6.3)
	9 <7Y	1794 (5.0)	91 (6.0)	1703 (5.0)
	10 <8Y	1452 (4.1)	98 (6.4)	1354 (4.0)
	11 <9Y	1209 (3.4)	70 (4.6)	1139 (3.3)
	12 <10Y	783 (2.2)	42 (2.8)	741 (2.2)
	13 <11Y	641 (1.8)	32 (2.1)	609 (1.8)
	14 <12Y	422 (1.2)	15 (1.0)	407 (1.2)
	15 <13Y	299 (0.8)	13 (0.9)	286 (0.8)
	16 <14Y	285 (0.8)	15 (1.0)	270 (0.8)
	17 <15Y	203 (0.6)	6 (0.4)	197 (0.6)
	18 more than 15Y	692 (1.9)	36 (2.4)	656 (1.9)
median (range)		33.4 (0.03-375.0)	41.5 (53-106)	33.1 (0.03-375.0)
Sex	1 man	7535 (21.2)	243 (15.9)	7292 (21.4)
	2 woman	28030 (78.8)	1282 (84.1)	26748 (78.6)
Living Place before NH	1 home	11507 (32.4)	383 (25.1)	11124 (32.7)
	2 nursing homes	1136 (3.2)	66 (4.3)	1070 (3.1)
	3 other social welfare facility	1648	41 (2.7)	1607 (4.7)
	4 HFE	9686 (27.2)	366 (24.0)	9320 (27.4)
	5 CSF (Hospitals)	783 (2.2)	50 (3.3)	733 (2.2)
	6 Hospitals	9842 (27.7)	581 (38.1)	9261 (27.2)
	7 CSF (Clinics)	6 (0.0)	0 (0.0)	6 (0.0)
	8 Clinics	100 (0.3)	4 (0.3)	96 (0.3)
	11 others	208 (0.6)	4 (0.3)	204 (0.6)
	99 unknown	649 (1.8)	30 (2.0)	619 (1.8)
Care Level	6 "youshien"	220 (0.6)	0 (0.0)	220 (0.6)
	1 Care Level 1	3414 (9.6)	2 (0.1)	3412 (10.0)
	2 Care Level 2	5131 (14.4)	5 (0.3)	5126 (15.1)
	3 Care Level 3	6409 (18.0)	17 (1.1)	6392 (18.8)
	4 Care Level 4	10108 (28.4)	123 (8.1)	9985 (29.3)
	5 Care Level 5	10245 (28.8)	1378 (90.4)	8867 (26.0)
	7 others	38 (0.1)	0 (0.0)	38 (0.1)
Cognitive dysfunction	6 normal	2769 (7.8)	27 (1.8)	2742 (8.1)
	1 I	2882 (8.1)	16 (1.0)	2866 (8.4)
	2 II	6756 (19.0)	43 (2.8)	6713 (19.7)
	3 III	10477 (29.5)	193 (12.7)	10284 (30.2)
	4 IV	10094 (28.4)	795 (52.1)	9299 (27.3)
	5 M	2354 (6.6)	436 (28.6)	1918 (5.6)
ADL	9 unknown	233 (0.7)	15 (1.0)	218 (0.6)
	5 normal	235 (0.7)	0 (0.0)	235 (0.7)
	1 J	870 (2.4)	2 (0.1)	868 (2.5)
	2 A	9858 (27.7)	3 (0.2)	9855 (29.0)
	3 B	13934 (39.2)	50 (3.3)	13884 (40.8)
	4 C	10506 (29.5)	1466 (96.1)	9040 (26.6)
	9 unknown	162 (0.5)	4 (0.3)	158 (0.5)

表1-6 (continue). NH residents with or without tube feeding (2001)

		Total		With Tube		Without Tube	
		n	(%)	n	(%)	n	(%)
Total		35565		1525		34040	
Transfer	1 independent	8177	(23.0)	2	(0.1)	8175	(24.0)
	2 need to be looking after	4774	(13.4)	1	(0.1)	4773	(14.0)
	3 partially dependent	5375	(15.1)	5	(0.3)	5370	(15.8)
	4 total-dependent	17176	(48.3)	1517	(99.5)	15659	(46.0)
	9 unknown	63	(0.2)	0	0.0	63	(0.2)
Eating	1 independent	13234	(37.2)	3	(0.2)	13231	(38.9)
	2 need to be looking after	7799	(21.9)	4	(0.3)	7795	(22.9)
	3 partially dependent	6334	(17.8)	14	(0.9)	6320	(18.6)
	4 total-dependent	8134	(22.9)	1494	(98.0)	6640	(19.5)
	9 unknown	64	(0.2)	10	(0.7)	54	(0.2)
Swallowing	1 possible	19920	(56.0)	12	(0.8)	19908	(58.5)
	2 need to be looking after	13528	(38.0)	101	(6.6)	13427	(39.4)
	3 impossible	2058	(5.8)	1408	(92.3)	650	(1.9)
	9 unknown	59	(0.2)	4	(0.3)	55	(0.2)
Capability of cleaning after excretion	1 independent	5552	(15.6)	0	0.0	5552	(16.3)
	2 need to be looking after	2983	(8.4)	2	(0.1)	2981	(8.8)
	3 partially dependent	5891	(16.6)	3	(0.2)	5888	(17.3)
	4 total-dependent	21094	(59.3)	1520	(99.7)	19574	(57.5)
	9 unknown	45	(0.1)	0	0.0	45	(0.1)
Capability of cleaning after	1 independent	5444	(15.3)	1	(0.1)	5443	(16.0)
	2 need to be looking after	3386	(9.5)	0	0.0	3386	(9.9)
	3 partially dependent	5894	(16.6)	5	(0.3)	5889	(17.3)
	4 total-dependent	20795	(58.5)	1519	(99.6)	19276	(56.6)
	9 unknown	46	(0.1)	0	0.0	46	(0.1)
Cognition of call of nature	1 possible	12899	(36.3)	7	(0.5)	12892	(37.9)
	2 need to be looking after	5813	(16.3)	20	(1.3)	5793	(17.0)
	3 impossible	16808	(47.3)	1498	(98.2)	15310	(45.0)
	9 unknown	45	(0.1)	0	0.0	45	(0.1)
Cognition of call of urination	1 possible	12196	(34.3)	12	(0.8)	12184	(35.8)
	2 need to be looking after	5950	(16.7)	17	(1.1)	5933	(17.4)
	3 impossible	17374	(48.9)	1496	(98.1)	15878	(46.6)
	9 unknown	45	(0.1)	0	0.0	45	(0.1)
Reply Birth	1 possible	15344	(43.1)	67	(4.4)	15277	(44.9)
	2 impossible	20112	(56.5)	1456	(95.5)	18656	(54.8)
	9 unknown	109	(0.3)	2	(0.1)	107	(0.3)
Medical intravenous procedure	2 in and out of NH	90	(0.3)	16	(1.0)	74	(0.2)
urethral Catheter	1 in or out of NH	1239	(3.5)	118	(7.7)	1121	(3.3)
	0.7 in NH	802	(2.3)	94	(6.2)	708	(2.1)
	0.5 out of NH	617	(1.7)	56	(3.7)	561	(1.6)
	0 none	34236	(96.3)	1391	(91.2)	32845	(96.5)
	2 in and out of NH	67	(0.2)	13	(0.9)	54	(0.2)
Urostomy	1 in or out of NH	827	(2.3)	148	(9.7)	679	(2.0)
	0.7 in NH	643	(1.8)	147	(9.6)	496	(1.5)
	0.5 out of NH	318	(0.9)	27	(1.8)	291	(0.9)
	0 none	34671	(97.5)	1364	(89.4)	33307	(97.8)
	2 in and out of NH	1	(0.0)	0	0.0	1	(0.0)
Stoma	1 in or out of NH	18	(0.1)	1	(0.1)	17	(0.0)
	0.7 in NH	13	0.0	0	0.0	13	0.0
	0.5 out of NH	7	0.0	1	(0.1)	6	0.0
	0 none	35546	(99.9)	1524	(99.9)	34022	(99.9)
	2 in and out of NH	6	(0.0)	1	(0.1)	5	(0.0)
Sucction	1 in or out of NH	136	(0.4)	2	(0.1)	134	(0.4)
	0.7 in NH	137	(0.4)	3	(0.2)	134	(0.4)
	0.5 out of NH	11	0.0	1	(0.1)	10	0.0
	0 none	35423	(99.6)	1522	(99.6)	33901	(99.6)
	2 in and out of NH	76	(0.2)	43	(2.8)	33	(0.1)
	1 in or out of NH	1186	(3.3)	542	(35.5)	644	(1.9)
	0.7 in NH	1122	(3.2)	578	(37.9)	544	(1.6)
	0.5 out of NH	216	(0.6)	50	(3.3)	166	(0.5)
	0 none	34303	(96.5)	940	(61.6)	33363	(98.0)

表1-6 (continue). NH residents with or without tube feeding (2001)

		Total		With Tube		Without Tube		
		n	(%)	n	(%)	n	(%)	
Total		35565		1525		34040		
Medical procedur e	Neblizer	2 in and out of NH	10	(0.0)	5	(0.3)	5	(0.0)
		1 in or out of NH	214	(0.6)	67	(4.4)	147	(0.4)
		0.7 in NH	179	(0.5)	69	(4.5)	110	(0.3)
		0.5 out of NH	55	(0.2)	8	(0.5)	47	(0.1)
		0 none	35341	(99.4)	1453	(95.3)	33888	(99.6)
Oxgen Therapy		2 in and out of NH	30	(0.1)	2	(0.1)	28	(0.1)
		1 in or out of NH	415	(1.2)	60	(3.9)	355	(1.0)
		0.7 in NH	270	(0.8)	45	(3.0)	225	(0.7)
		0.5 out of NH	205	(0.6)	19	(1.2)	186	(0.5)
		0 none	35120	(98.7)	1463	(95.9)	33657	(98.9)
Trachodotomy		2 in and out of NH	7	(0.0)	6	(0.4)	1	(0.0)
		1 in or out of NH	40	(0.1)	20	(1.3)	20	(0.1)
		0.7 in NH	38	(0.1)	25	(1.6)	13	0.0
		0.5 out of NH	16	0.0	7	(0.5)	9	0.0
		0 none	35518	(99.9)	1499	(98.3)	34019	(99.9)
Artificial Ventilation		1 in or out of NH	14	(0.0)	1	(0.1)	13	(0.0)
		0.7 in NH	4	0.0	0	0.0	4	0.0
		0.5 out of NH	10	0.0	1	(0.1)	9	0.0
		0 none	35551	(100.0)	1524	(99.9)	34027	(100.0)
Intravenous Hyperalimntati on		2 in and out of NH	0	0.0	0	0.0	0	0.0
		1 in or out of NH	80	(0.2)	8	(0.5)	72	(0.2)
		0.7 in NH	15	0.0	1	(0.1)	14	0.0
		0.5 out of NH	65	(0.2)	7	(0.5)	58	(0.2)
		0 none	35485	(99.8)	1517	(99.5)	33968	(99.8)
Tube Feeding		2 in and out of NH	106	(0.3)	106	(7.0)	0	0.0
		1 in or out of NH	1578	(4.4)	1419	(93.0)	159	(0.5)
		0.7 in NH	1525	(4.3)	1525	(100.0)	0	0.0
		0.5 out of NH	265	(0.7)	106	(7.0)	159	(0.5)
		0 none	33881	(95.3)	0	0.0	33881	(99.5)
Dialysis		1 in or out of NH	34	(0.1)	0	0.0	34	(0.1)
		0.7 in NH	3	0.0	0	0.0	3	0.0
		0.5 out of NH	31	(0.1)	0	0.0	31	(0.1)
		0 none	35531	(99.9)	1525	(100.0)	34006	(99.9)
Drain		2 in and out of NH	2	(0.0)	0	0.0	2	(0.0)
		1 in or out of NH	21	(0.1)	4	(0.3)	17	(0.0)
		0.7 in NH	13	0.0	3	(0.2)	10	0.0
		0.5 out of NH	12	0.0	1	(0.1)	11	0.0
		0 none	35542	(99.9)	1521	(99.7)	34021	(99.9)
Monitering		2 in and out of NH	36	(0.1)	2	(0.1)	34	(0.1)
		1 in or out of NH	782	(2.2)	66	(4.3)	716	(2.1)
		0.7 in NH	661	(1.9)	56	(3.7)	605	(1.8)
		0.5 out of NH	193	(0.5)	14	(0.9)	179	(0.5)
		0 none	34747	(97.7)	1457	(95.5)	33290	(97.8)
Decubitus care		2 in and out of NH	51	(0.1)	17	(1.1)	34	(0.1)
		1 in or out of NH	468	(1.3)	91	(6.0)	377	(1.1)
		0.7 in NH	480	(1.3)	103	(6.8)	377	(1.1)
		0.5 out of NH	90	(0.3)	22	(1.4)	68	(0.2)
		0 none	35046	(98.5)	1417	(92.9)	33629	(98.8)
Pain Control		2 in and out of NH	204	(0.6)	1	(0.1)	203	(0.6)
		1 in or out of NH	1942	(5.5)	20	(1.3)	1922	(5.6)
		0.7 in NH	1957	(5.5)	19	(1.2)	1938	(5.7)
		0.5 out of NH	393	(1.1)	3	(0.2)	390	(1.1)
		0 none	33419	(94.0)	1504	(98.6)	31915	(93.8)
Others		2 in and out of NH	409	(1.2)	21	(1.4)	388	(1.1)
		1 in or out of NH	2638	(7.4)	120	(7.9)	2518	(7.4)
		0.7 in NH	2260	(6.4)	116	(7.6)	2144	(6.3)
		0.5 out of NH	1196	(3.4)	46	(3.0)	1150	(3.4)
		0 none	32518	(91.4)	1384	(90.8)	31134	(91.5)

表1-6 (continue). NH residents with or without tube feeding (2001)

		Total		With Tube		Without Tube			
		n	(%)	n	(%)	n	(%)		
Total		35565		1525		34040			
Diseases	Main Disease	Certain infectious and parasitic diseases	141	(0.4)	5	(0.3)	136	(0.4)	
		Neoplasms	497	(1.4)	21	(1.4)	476	(1.4)	
		the blood and blood-forming organs and certain disorders		(0.3)	4	(0.3)	99	(0.3)	
		involving the immune	103						
		Endocrine, nutritional and metabolic diseases	1058	(3.0)	24	(1.6)	1034	(3.0)	
		Mental and behavioural disorders	8525	(24.0)	224	(14.7)	8301	(24.4)	
		the nervous system	3409	(9.6)	151	(9.9)	3258	(9.6)	
		the eye and adnexa	186	(0.5)	1	(0.1)	185	(0.5)	
		the ear and mastoid process	28	(0.1)	0	0.0	28	(0.1)	
		the circulatory system	16388	(46.1)	970	(63.6)	15418	(45.3)	
		the respiratory system	441	(1.2)	22	(1.4)	419	(1.2)	
		the digestive system	586	(1.6)	21	(1.4)	565	(1.7)	
		the skin and subcutaneous tissue	53	(0.1)	5	(0.3)	48	(0.1)	
		the musculoskeletal system and connective	2131	(6.0)	38	(2.5)	2093	(6.1)	
		the genitourinary system	260	(0.7)	1	(0.1)	259	(0.8)	
		Congenital malformations, deformations and chromosomal abnormalities	27	(0.1)	0	0.0	27	(0.1)	
		Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	46	(0.1)	2	(0.1)	44	(0.1)	
		Injury, poisoning and certain other		(3.2)	24	(1.6)	1123	(3.3)	
		consequences of external	1147						
		Certain infectious and parasitic diseases	180	(0.5)	5	(0.3)	175	(0.5)	
		Neoplasms	258	(0.7)	10	(0.7)	248	(0.7)	
		the blood and blood-forming organs and certain disorders		(1.7)	17	(1.1)	587	(1.7)	
		involving the immune	604						
	Sub disease		Endocrine, nutritional and	1485	(4.2)	49	(3.2)	1436	(4.2)
			Mental and behavioural dis	4468	(12.6)	186	(12.2)	4282	(12.6)
			the nervous system	1740	(4.9)	107	(7.0)	1633	(4.8)
			the eye and adnexa	508	(1.4)	9	(0.6)	499	(1.5)
		the ear and mastoid proces	83	(0.2)	1	(0.1)	82	(0.2)	
		the circulatory system	9438	(26.5)	398	(26.1)	9040	(26.6)	
		the respiratory system	812	(2.3)	78	(5.1)	734	(2.2)	
		the digestive system	2055	(5.8)	82	(5.4)	1973	(5.8)	
		the skin and subcutaneous	186	(0.5)	18	(1.2)	168	(0.5)	
		the musculoskeletal system	3179	(8.9)	68	(4.5)	3111	(9.1)	
		the genitourinary system	660	(1.9)	17	(1.1)	643	(1.9)	
		Congenital malformations,	20	(0.1)	0	0.0	20	(0.1)	
		Symptoms, signs and abnorm	265	(0.7)	30	(2.0)	235	(0.7)	
		Injury, poisoning and cert	1519	(4.3)	45	(3.0)	1474	(4.3)	
		Factors influencing health	68	(0.2)	7	(0.5)	61	(0.2)	

表1-6 (continue). NH residents with or without tube feeding (2001)

		Total		With Tube		Without Tube		
Total		n	(%)	n	(%)	n	(%)	
Facility Level		35565		1525		34040		
Owner	1 Prefecture	818	(2.3)	42	(2.8)	776	(2.3)	
	2 City	2436	(6.8)	97	(6.4)	2339	(6.9)	
	3 Other Public Committee	1095	(3.1)	76	(5.0)	1019	(3.0)	
	4 Red Cross	26	(0.1)	1	(0.1)	25	(0.1)	
	5 Social Welfare Committee	240	(0.7)	7	(0.5)	233	(0.7)	
	6 Social Welfare Corporation(except Social Welfare Committee)	30950	(87.0)	1302	(85.4)	29648	(87.1)	
Manager	1 Prefecture	16	0.0	3	(0.2)	13	0.0	
	2 City	1220	(3.4)	56	(3.7)	1164	(3.4)	
	3 Other Public Committee	1043	(2.9)	73	(4.8)	970	(2.8)	
	4 Red Cross	73	(0.2)	3	(0.2)	70	(0.2)	
	5 Social Welfare Committee	330	(0.9)	12	(0.8)	318	(0.9)	
	6 Social Welfare Corporation(except Social Welfare Committee)	32883	(92.5)	1378	(90.4)	31505	(92.6)	
Year of Foundation	1 before 1980	8642	(24.3)	403	(26.4)	8239	(24.2)	
	2 1980's	9711	(27.3)	438	(28.7)	9273	(27.2)	
	3 1990's	15802	(44.4)	659	(43.2)	15143	(44.5)	
	4 2000's	1410	(4.0)	25	(1.6)	1385	(4.1)	
Number of Beds	1 <30	13	0.0	3	(0.2)	10	(0.0)	
	2 <50	707	(2.0)	36	(2.4)	671	(2.0)	
	3 <80	17198	(48.4)	818	(53.6)	16380	(48.1)	
	4 <100	8005	(22.5)	339	(22.2)	7666	(22.5)	
	5 <150	8123	(22.8)	285	(18.7)	7838	(23.0)	
	6 150<=	1519	(4.3)	44	(2.9)	1475	(4.3)	
Mean Care Level	1 <3.0	2865	(8.1)	44	(2.9)	2821	(8.3)	
	2 <3.5	15886	(44.7)	526	(34.5)	15360	(45.1)	
	3 <4.0	14227	(40.0)	760	(49.8)	13467	(39.6)	
	4 <4.5	2587	(7.3)	195	(12.8)	2392	(7.0)	
	5 >=4.5	0	0.0	0	0.0	0	0.0	
Percentage of residents who pay on Discount	0 no	15505	(43.6)	687	(45.0)	14818	(43.5)	
	1	0	5321	(15.0)	205	(13.4)	5116	(15.0)
	2	<5	5502	(15.5)	239	(15.7)	5263	(15.5)
	3	<10	2412	(6.8)	115	(7.5)	2297	(6.7)
	4	<15	1182	(3.3)	79	(5.2)	1103	(3.2)
	5	<30	2186	(6.1)	75	(4.9)	2111	(6.2)
	6	30<=	3457	(9.7)	125	(8.2)	3332	(9.8)

表1-6 (continue). NH residents with or without tube feeding (2001)

		Total	With Tube	Without Tube
		n (%)	n (%)	n (%)
Total		35565	1525	34040
single room per total beds	2 <15%	14583 (41.0)	626 (41.0)	13957 (41.0)
	3 <30%	6515 (18.3)	266 (17.4)	6249 (18.4)
	4 <45%	2886 (8.1)	83 (5.4)	2803 (8.2)
	5 <60%	273 (0.8)	9 (0.6)	264 (0.8)
	6 60%=<	727 (2.0)	35 (2.3)	692 (2.0)
	9 other	10581 (29.8)	506 (33.2)	10075 (29.6)
Staff full-time physician	1 1	2344 (6.6)	106 (7.0)	2238 (6.6)
	2 0	33221 (93.4)	1419 (93.0)	31802 (93.4)
	Full-time equiva physician			
	1 2=<	283 (0.8)	5 (0.3)	278 (0.8)
	2 1=<	1095 (3.1)	37 (2.4)	1058 (3.1)
	3 <1	34187 (96.1)	1483 (97.2)	32704 (96.1)
residents number per a nurse	1 <15	12557 (35.3)	513 (33.6)	12044 (35.4)
	2 <22	4261 (12.0)	231 (15.1)	4030 (11.8)
	3 <30	4511 (12.7)	219 (14.4)	4292 (12.6)
	4 <45	3016 (8.5)	113 (7.4)	2903 (8.5)
	5 <60	1856 (5.2)	72 (4.7)	1784 (5.2)
	6 60=<	9364 (26.3)	377 (24.7)	8987 (26.4)
residents number per a nurse cf. the rule	more than x1.5 of the	9115 (25.6)	371 (24.3)	8744 (25.7)
	x1.25~x1.5 over the	6516 (18.3)	280 (18.4)	6236 (18.3)
	~x1.25 over the rule less than the rule	11172 (31.4)	465 (30.5)	10707 (31.5)
residents number per a nurse or care worker	1 <2	3570 (10.0)	153 (24.7)	3417 (10.0)
	2 <2.5	1983 (5.6)	94 (10.0)	1889 (5.5)
	3 <3	6144 (17.3)	344 (6.2)	5800 (17.0)
	4 <3.5	1307 (3.7)	77 (22.6)	1230 (3.6)
	5 3.5=<	22561 (63.4)	857 (5.0)	21704 (63.8)
residents number per a nurse or carew cf. the rule	more than x1.5 of the	7856 (22.1)	363 (23.8)	7493 (22.0)
	x1.25~x1.5 over the	9825 (27.6)	392 (25.7)	9433 (27.7)
	~x1.25 over the rule less than the rule	8803 (24.8)	367 (24.1)	8436 (24.8)
Social worker	1 present	9050 (25.4)	403 (26.4)	8647 (25.4)
	2 absent	17635 (49.6)	841 (55.1)	16794 (49.3)
Register Social worker	1 present	17930 (50.4)	684 (44.9)	17246 (50.7)
	2 absent	3519 (9.9)	180 (11.8)	3339 (9.8)
Dietitian	1 present	32046 (90.1)	1345 (88.2)	30701 (90.2)
	2 absent	14609 (41.1)	698 (45.8)	13911 (40.9)
Register Deititian	1 present	20956 (58.9)	827 (54.2)	20129 (59.1)
	2 absent	9297 (26.1)	444 (29.1)	8853 (26.0)
Charge Discout	1 Discount	26268 (73.9)	1081 (70.9)	25187 (74.0)
	2 NoDiscount	20060 (56.4)	838 (55.0)	19222 (56.5)
Room personal recovery room	1 present	15505 (43.6)	687 (45.0)	14818 (43.5)
	2 absent	31120	1357 (89.0)	29763 (87.4)
exclusive Cafeteria	1 present	4445 (12.5)	168 (11.0)	4277 (12.6)
	2 absent	23334 (65.6)	946 (62.0)	22388 (65.8)
exclusive Rehabilitation	1 present	12231 (34.4)	579 (38.0)	11652 (34.2)
	2 absent	19753 (55.5)	804 (52.7)	18949 (55.7)
exclusive personal Bathroom	1 present	15812 (44.5)	721 (47.3)	15091 (44.3)
	2 Share with DayService	30973 (87.1)	1337 (87.7)	29636 (87.1)
exclusive Special	1 present	4592 (12.9)	188 (12.3)	4404 (12.9)
	2 Share with DayService	24959 (70.2)	1106 (72.5)	23853 (70.1)
Dispensary Room	1 present	10606 (29.8)	419 (27.5)	10187 (29.9)
	2 absent	22560 (63.4)	973 (63.8)	21587 (63.4)
exclusive Cafeteria	1 present	13005 (36.6)	552 (36.2)	12453 (36.6)
	2 Share with DayService	24185 (68.0)	1087 (71.3)	23098 (67.9)
exclusive Rehabilitation room	1 present	11380 (32.0)	438 (28.7)	10942 (32.1)
	2 Share with DayService	31458 (88.5)	1343 (88.1)	30115 (88.5)
For Claim	1 Front Desk	4107 (11.5)	182 (11.9)	3925 (11.5)
	1 Claim Manager	26403 (74.2)	1154 (75.7)	25249 (74.2)
	1 Third Party with oter NH	9162 (25.8)	371 (24.3)	8791 (25.8)
	1 Original Third Party	33478 (94.1)	1436 (94.2)	32042 (94.1)
	1 Claim Manager	31368 (88.2)	1334 (87.5)	30034 (88.2)
	1 Third Party with oter NH	10573 (29.7)	483 (31.7)	10090 (29.6)
	1 Original Third Party	8329 (23.4)	334 (21.9)	7995 (23.5)

表I-6 (continue). NH residents with or without tube feeding (2001)

		Total		With Tube		Without Tube	
Total		n	(%)	n	(%)	n	(%)
		35565		1525		34040	
Disttict Level							
Prefecture	1 Hokkaidou	2029	(5.7)	60	(3.9)	1969	(5.8)
	2 Aomori	580	(1.6)	67	(4.4)	513	(1.5)
	3 Iwate	501	(1.4)	43	(2.8)	458	(1.3)
	4 Miyagi	539	(1.5)	34	(2.2)	505	(1.5)
	5 Akita	502	(1.4)	49	(3.2)	453	(1.3)
	6 Yamagata	638	(1.8)	60	(3.9)	578	(1.7)
	7 Fukushima	559	(1.6)	45	(3.0)	514	(1.5)
	8 Ibaraki	637	(1.8)	27	(1.8)	610	(1.8)
	9 Tochigi	498	(1.4)	21	(1.4)	477	(1.4)
	10 Gunmma	567	(1.6)	25	(1.6)	542	(1.6)
	11 Saitama	1219	(3.4)	24	(1.6)	1195	(3.5)
	12 Chiba	1025	(2.9)	34	(2.2)	991	(2.9)
	13 Toukyo	2837	(8.0)	58	(3.8)	2779	(8.2)
	14 Kanagawa	1555	(4.4)	38	(2.5)	1517	(4.5)
	15 Nigata	959	(2.7)	85	(5.6)	874	(2.6)
	16 Toyama	405	(1.1)	20	(1.3)	385	(1.1)
	17 Ishikawa	393	(1.1)	9	(0.6)	384	(1.1)
	18 Fukui	313	(0.9)	8	(0.5)	305	(0.9)
	19 Yamanashi	193	(0.5)	7	(0.5)	186	(0.5)
	20 Nagano	798	(2.2)	72	(4.7)	726	(2.1)
	21 Gifu	516	(1.5)	28	(1.8)	488	(1.4)
	22 Shizuoka	962	(2.7)	60	(3.9)	902	(2.6)
	23 Aichi	1282	(3.6)	32	(2.1)	1250	(3.7)
	24 Mie	473	(1.3)	16	(1.0)	457	(1.3)
	25 Shiga	301	(0.8)	16	(1.0)	285	(0.8)
	26 Kyouto	774	(2.2)	22	(1.4)	752	(2.2)
	27 Osaka	2015	(5.7)	20	(1.3)	1995	(5.9)
	28 Hyougo	1575	(4.4)	48	(3.1)	1527	(4.5)
	29 Nara	400	(1.1)	12	(0.8)	388	(1.1)
	30 Wakayama	507	(1.4)	14	(0.9)	493	(1.4)
	31 Totori	294	(0.8)	14	(0.9)	280	(0.8)
	32 Shimane	465	(1.3)	27	(1.8)	438	(1.3)
	33 Okayama	715	(2.0)	58	(3.8)	657	(1.9)
	34 Hiroshima	871	(2.4)	43	(2.8)	828	(2.4)
	35 Yamaguchi	651	(1.8)	12	(0.8)	639	(1.9)
	36 Tokushima	308	(0.9)	10	(0.7)	298	(0.9)
	37 Kagawa	403	(1.1)	21	(1.4)	382	(1.1)
	38 Ehime	444	(1.2)	18	(1.2)	426	(1.3)
	39 Kouchi	337	(0.9)	17	(1.1)	320	(0.9)
	40 Fukuoka	1589	(4.5)	49	(3.2)	1540	(4.5)
	41 Saga	326	(0.9)	13	(0.9)	313	(0.9)
	42 Nagasaki	553	(1.6)	20	(1.3)	533	(1.6)
	43 Kumamoto	678	(1.9)	26	(1.7)	652	(1.9)
	44 Ooita	509	(1.4)	35	(2.3)	474	(1.4)
	45 Miyazaki	490	(1.4)	20	(1.3)	470	(1.4)
	46 Kagoshima	876	(2.5)	66	(4.3)	810	(2.4)
	47 Okinawa	504	(1.4)	22	(1.4)	482	(1.4)
Scale	1 Big City	5121	(14.4)	113	(7.4)	5008	(14.7)
	2 city	17342	(48.8)	759	(49.8)	16583	(48.7)
	3 other	13102	(36.8)	653	(42.8)	12449	(36.6)

表I-7. NH Hospitalization and death (2001)

Resident Level	Residents		Discharge		Resident		Facility		Hospitalization		Death	
	n	(%)	Home	(%)	n	(%)	n	(%)	n	(%)	n	(%)
Total	35565		10	30	161	406						
<64	509	(1.4)	0	0.0	2	7						
65-69	1432	(4.0)	1	(10.0)	6	8						
70-74	3009	(8.5)	3	(30.0)	4	21						
75-79	5140	(14.5)	0	0.0	4	37						
80-84	7675	(21.6)	2	(20.0)	4	69						
85-89	8952	(25.2)	0	0.0	8	108						
90-94	6381	(17.9)	1	(10.0)	7	99						
95-99	2106	(5.9)	3	(30.0)	2	41						
100-104	333	(0.9)	0	0.0	1	16						
105-109	28	(0.1)	0	0.0	0	0						
Length of Stay												
1 <3M	1686	(4.7)	3	(30.0)	6	23						
2 <6M	1889	(5.3)	1	(10.0)	1	14						
3 <1Y	3573	(10.0)	0	0.0	4	35						
4 <2Y	6371	(17.9)	1	(10.0)	5	73						
5 <3Y	5109	(14.4)	2	(20.0)	2	55						
6 <4Y	3768	(10.6)	0	0.0	3	43						
7 <5Y	3131	(8.8)	0	0.0	4	27						
8 <6Y	2258	(6.3)	0	0.0	1	29						
9 <7Y	1794	(5.0)	0	0.0	1	28						
10 <8Y	1452	(4.1)	1	(10.0)	2	12						
11 <9Y	1209	(3.4)	0	0.0	0	17						
12 <10Y	783	(2.2)	0	0.0	0	12						
13 <11Y	641	(1.8)	1	(10.0)	1	11						
14 <12Y	422	(1.2)	1	(10.0)	0	4						
15 <13Y	299	(0.8)	0	0.0	0	4						
16 <14Y	285	(0.8)	0	0.0	0	4						
17 <15Y	203	(0.6)	0	0.0	0	3						
18 more than 15Y	692	(1.9)	0	0.0	0	12						
Sex												
1 man	7535	(21.2)	2	(20.0)	6	105						
2 woman	28030	(78.8)	8	(80.0)	24	301						

表I-7 (continue). NH Hospitalization and death (2001)

	Residents		Discharge Resident				Hospitalization		Death	
	n	(%)	Home	Facility	n	(%)	n	(%)	n	(%)
Total	35565		10	30	161		406			
Living Place before NH										
1 home	11507	(32.4)	6	7	40	(23.3)	122	(24.8)	(30.0)	
2 nursing homes	1136	(3.2)	0	2	3	(6.7)	15	(1.9)	(3.7)	
3 other social welfare	1648	(4.6)	0	2	9	(6.7)	22	(5.6)	(5.4)	
4 HFE	9686	(27.2)	2	12	45	(40.0)	110	(28.0)	(27.1)	
5 CSF (Hospitals)	783	(2.2)	0	0	5	0.0	7	(3.1)	(1.7)	
6 Hospitals	9842	(27.7)	1	5	46	(16.7)	105	(28.6)	(25.9)	
7 CSF (Clinics)	6	(0.0)	0	0	0	0.0	0	0.0	0.0	
8 Clinics	100	(0.3)	0	0	0	0.0	2	0.0	(0.5)	
11 others	208	(0.6)	0	0	0	0.0	2	0.0	(0.5)	
99 unknown	649	(1.8)	1	2	13	(6.7)	21	(8.1)	(5.2)	
CareLevel										
6 "youshien"	220	(0.6)	0	0	0	0.0	0	0.0	0.0	
1 Care level 1	3414	(9.6)	3	1	8	(3.3)	14	(5.0)	(3.4)	
2 Care level 2	5131	(14.4)	2	4	17	(13.3)	32	(10.6)	(7.9)	
3 Care level 3	6409	(18.0)	2	3	27	(10.0)	59	(16.8)	(14.5)	
4 Care level 4	10108	(28.4)	1	13	52	(43.3)	102	(32.3)	(25.1)	
5 Care level 5	10245	(28.8)	2	9	56	(30.0)	199	(34.8)	(49.0)	
7 others	38	(0.1)	0	0	1	0.0	0	(0.6)	0.0	
Cognitive dysfunct										
6 normal	2769	(7.8)	1	2	1	(6.7)	15	(0.6)	(3.7)	
1 I	2882	(8.1)	3	3	12	(10.0)	20	(7.5)	(4.9)	
2 II	6756	(19.0)	0	4	20	(13.3)	46	(12.4)	(11.3)	
3 III	10477	(29.5)	4	7	43	(23.3)	113	(26.7)	(27.8)	
4 IV	10094	(28.4)	2	13	57	(43.3)	142	(35.4)	(35.0)	
5 M	2354	(6.6)	0	1	28	(3.3)	65	(17.4)	(16.0)	
9 unknown	233	(0.7)	0	0	0	0.0	5	0.0	(1.2)	
ADL										
5 normal	235	(0.7)	0	0	0	0.0	1	0.0	(0.2)	
1 J	870	(2.5)	1	2	0	(6.7)	3	0.0	(0.7)	
2 A	9858	(27.7)	3	3	18	(10.0)	37	(11.2)	(9.1)	
3 B	13934	(39.2)	2	8	53	(26.7)	102	(32.9)	(25.1)	
4 C	10506	(29.5)	4	17	89	(56.7)	258	(55.3)	(63.5)	
9 unknown	162	(0.5)	0	0	1	0.0	5	(0.6)	(1.2)	

表I-7 (continue). NH Hospitalization and death (2001)

	Residents		Discharge		Facility		Hospitalization		Death	
	n	(%)	Home	(%)	n	(%)	n	(%)	n	(%)
Total	35565		10		30		161		406	
Transfer										
1 independent	8177	(23.0)	3	(30.0)	4	(13.3)	12	(7.5)	15	(3.7)
2 need to be looking after	4774	(13.4)	0	0.0	0	0.0	14	(8.7)	22	(5.4)
3 partially dependent	5375	(15.1)	3	(30.0)	5	(16.7)	22	(13.7)	50	(12.3)
4 total-dependent	17176	(48.3)	4	(40.0)	21	(70.0)	113	(70.2)	311	(76.6)
9 unknown	63	(0.2)	0	0.0	0	0.0	0	0.0	8	(2.0)
Eat										
1 independent	13234	(37.2)	5	(50.0)	6	(20.0)	23	(14.3)	42	(10.3)
2 need to be looking after	7799	(21.9)	1	(10.0)	6	(20.0)	28	(17.4)	49	(12.1)
3 partially dependent	6334	(17.8)	1	(10.0)	7	(23.3)	26	(16.1)	62	(15.3)
4 total-dependent	8134	(22.9)	3	(30.0)	11	(36.7)	84	(52.2)	245	(60.3)
9 unknown	64	(0.2)	0	0.0	0	0.0	0	0.0	8	(2.0)
Swallow										
1 possible	19920	(56.0)	7	(70.0)	11	(36.7)	46	(28.6)	99	(24.4)
2 need to be looking after	13528	(38.0)	1	(10.0)	12	(40.0)	78	(48.4)	181	(44.6)
3 impossible	2058	(5.8)	2	(20.0)	7	(23.3)	37	(23.0)	118	(29.1)
9 unknown	59	(0.2)	0	0.0	0	0.0	0	0.0	8	(2.0)
PostFeces										
1 independent	5552	(15.6)	3	(30.0)	2	(6.7)	4	(2.5)	12	(3.0)
2 need to be looking after	2983	(8.4)	0	0.0	2	(6.7)	8	(5.0)	9	(2.2)
3 partially dependent	5891	(16.6)	3	(30.0)	3	(10.0)	21	(13.0)	40	(9.9)
4 total-dependent	21094	(59.3)	4	(40.0)	23	(76.7)	128	(79.5)	337	(83.0)
9 unknown	45	(0.1)	0	0.0	0	0.0	0	0.0	8	(2.0)
PostUrine										
1 independent	5444	(15.3)	3	(30.0)	2	(6.7)	5	(3.1)	14	(3.4)
2 need to be looking after	3386	(9.5)	0	0.0	2	(6.7)	10	(6.2)	8	(2.0)
3 partially dependent	5894	(16.6)	3	(30.0)	3	(10.0)	18	(11.2)	39	(9.6)
4 total-dependent	20795	(58.5)	4	(40.0)	23	(76.7)	128	(79.5)	338	(83.3)
9 unknown	46	(0.1)	0	0.0	0	0.0	0	0.0	7	(1.7)
Capability of cleaning after excretion										
1 possible	12899	(36.3)	6	(60.0)	10	(33.3)	34	(21.1)	50	(12.3)
2 need to be looking after	5813	(16.3)	0	0.0	4	(13.3)	17	(10.6)	40	(9.9)
3 impossible	16808	(47.3)	4	(40.0)	16	(53.3)	110	(68.3)	309	(76.1)
9 unknown	45	(0.1)	0	0.0	0	0.0	0	0.0	7	(1.7)
Capability of cleaning after urination										
1 possible	12196	(34.3)	6	(60.0)	7	(23.3)	33	(20.5)	42	(10.3)
2 need to be looking after	5950	(16.7)	0	0.0	8	(26.7)	16	(9.9)	41	(10.1)
3 impossible	17374	(48.9)	4	(40.0)	15	(50.0)	112	(69.6)	316	(77.8)
9 unknown	45	(0.1)	0	0.0	0	0.0	0	0.0	7	(1.7)
ReplyBirth										
1 possible	15344	(43.1)	5	(50.0)	12	(40.0)	41	(25.5)	92	(22.7)
2 impossible	20112	(56.6)	5	(50.0)	18	(60.0)	120	(74.5)	307	(75.6)
9 unknown	109	(0.3)	0	0.0	0	0.0	0	0.0	7	(1.7)