

가

*, **

I.

1997 . 1998 가
 . 가
 , 가 . 가
 가 가
 가 (WHO, 2002).
 가 가

II.

1. 가
 . 가
 , 가 [1] 가
 . 가 , , 가
 , , 가
 가 가 가 .

1)
 2)

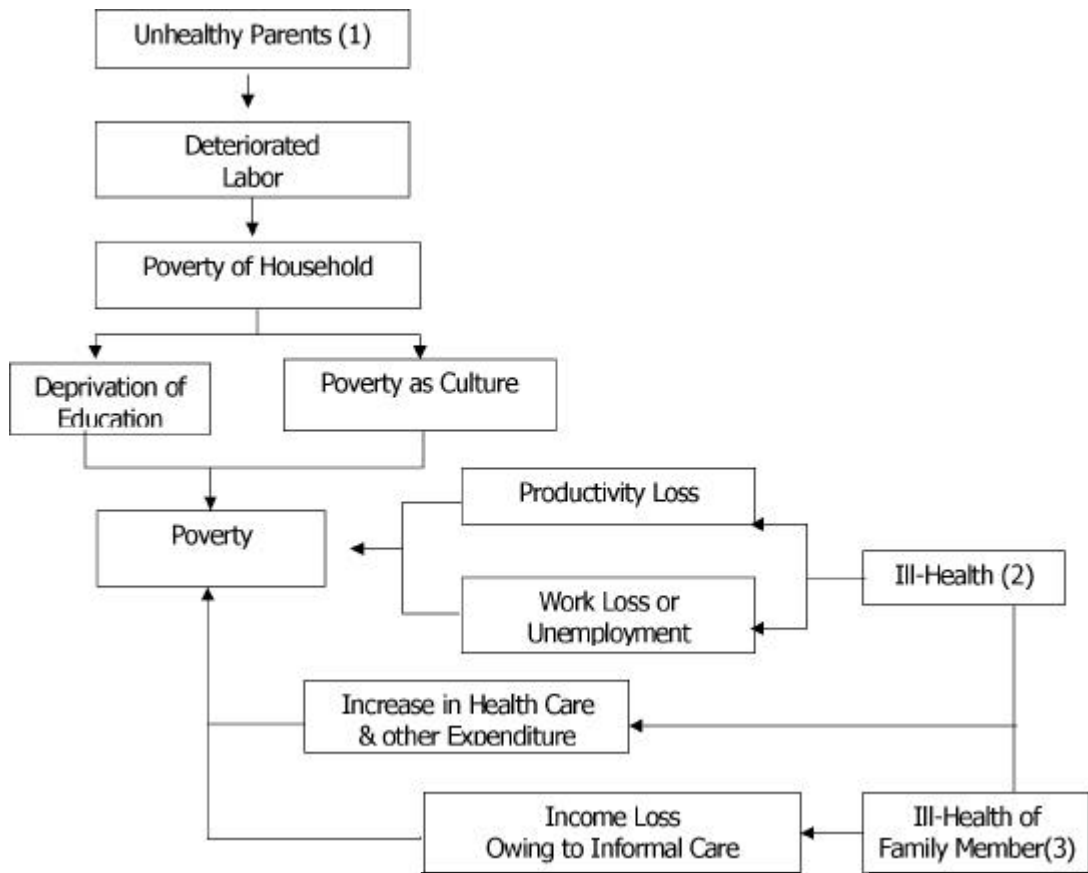


Figure 1. Mechanism from Ill-Health to Poverty

가

가

가

BMI(Body mass index) , 가

가

가

가 (ADLs, IADsS),

가

가 (composite measure)

가

가

1) 가 (2003), “

2003

가 .
 가 .
 , , , .
 가 가
 . Arrow (1996)
 가 가 .
 가
 . (duration)
 가 가
 . (Liira, 1999)
 가 , , , , ,
 가 가 .
 , 가 .
 가 .
 가 가 .
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2.

1997 1998 가 가 1999
 1/4 2002 4/4 3%
 (, 2).

가 ,
 ,
 가
 endogeneity가 0 가
 가
 (Currie and Madrian, 1999)

4 1998 ,
 4
 가 (hazard model)
 (duration model) , ,
 가 가

III.

1.

t (CDF, $F(t)$) t
 (survival function, $S(t)$) (density
 function, $f(t)$)
 -1

$$(1) S(t) = 1 - F(t)$$

$$(2) f(t) = -\frac{dS(t)}{dt}$$

Kaplan-Meier product limit method ,

t_j n_j t_j
 d_j (likelihood function)

(3)

$$(3) \hat{S}(t) = \prod_{j: t_j \leq t} \frac{n_j - d_j}{n_j}$$

(hazard function, $h(t)$) (t-1)
 t

$$(4) \quad h(t) = \frac{f(t)}{1-F(t)} = \frac{f(t)}{S(t)}$$

(proportional hazard) (semi-parametric) Cox
 (likelihood function) (5)

가

hazard) (5)가 likelihood (baseline
 X) 가 (5)가 likelihood function)
 (5)

NC non-censored

, ALL

$$(5) \quad h(t, X) = h_0(t)h_1(X)$$

$$(6) \quad L(t, X) = \prod_{NC} h_0(t)h_1(X) \prod_{ALL} S_0(t)S_1(X) \\
 = \prod_{NC} h_0(t) \prod_{NC} h_1(X) \prod_{ALL} S_0(t) \prod_{ALL} S_1(X) \\
 = \left(\prod_{NC} h_0(t) \prod_{ALL} S_0(t) \right) \left(\prod_{NC} h_1(X) \prod_{ALL} S_1(X) \right) \\
 = L_0(t)L_1(X)$$

t , X_A X_B 가
 가
 가 “ (Greene, 1997).

$$(7) \quad \frac{h(t, X_A)}{h(t, X_B)} = \frac{h_0(t)}{h_0(t)} \times \frac{h_1(X_A)}{h_1(X_B)} = \frac{h_1(X_A)}{h_1(X_B)}$$

1998 , , .

1998 38 , .

1998 , , .

1998 37 315 .

65%가 . 38 140 58%가 .

63% 85%가 .

9% . 가 가

1999 29%가 .

60%

14%

11.5 11 1999 .

4.44% 3.57%

112 48 . 2001

1998 75%

52%

IV. , :

1. Kaplan-Meier

315 24.2

140 30.1 . 1998

[

3] . 가

20 가

가

가 20

가

< 7> < 2> .

, 가

가

가

10 30

30

< 8> < 3> .

(5).

(6).

. /
< 10> .

< 4>, < 5>, < 9> ,

2. Cox

(5)

(8)

$$(8) \quad h(t) = h_0(t) \exp(\beta_1 x_1 + \dots + \beta_k x_k)$$

$h_0(t)$

. Cox

< 6> /

Cox

(1)

가 가

(2)

가 ,

(3)

가

가 38

. 1998

가

가 가

14 5

가 가 가 , / 가 가

가

(3) (baseline survival function) [7]

(baseline hazard function) [10] . 가 0

38

가

/ (3) (12)

가 35

1998 가

1.14 . 가

1.45 .

3. Specification test

Cox 가 , 가

가 가

가 가 $\ln(t) - \ln(-\ln(\text{survival probability}))$

가 가

가 , , 가

1998 1 , 1999 1 1 1

/ (3),

(11).

1998

가

1998

2001

가

4.

가

1998

가

1

가

가 가

가

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가

V.

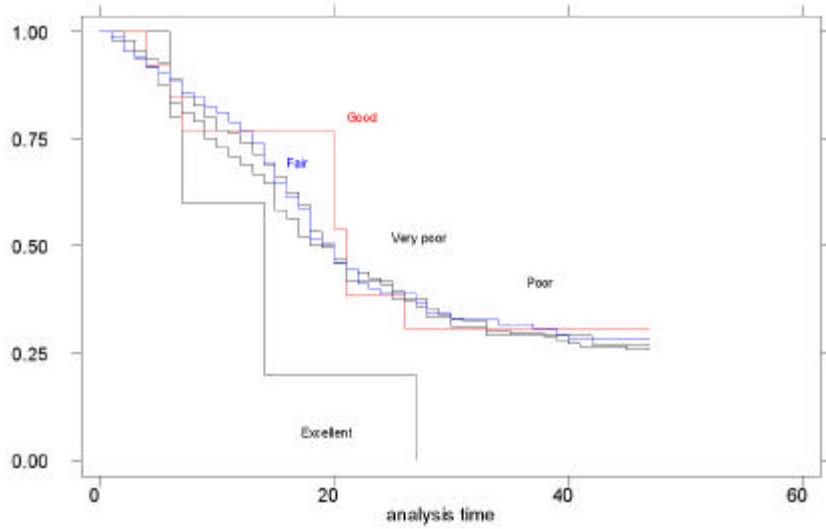
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. 1997

1998

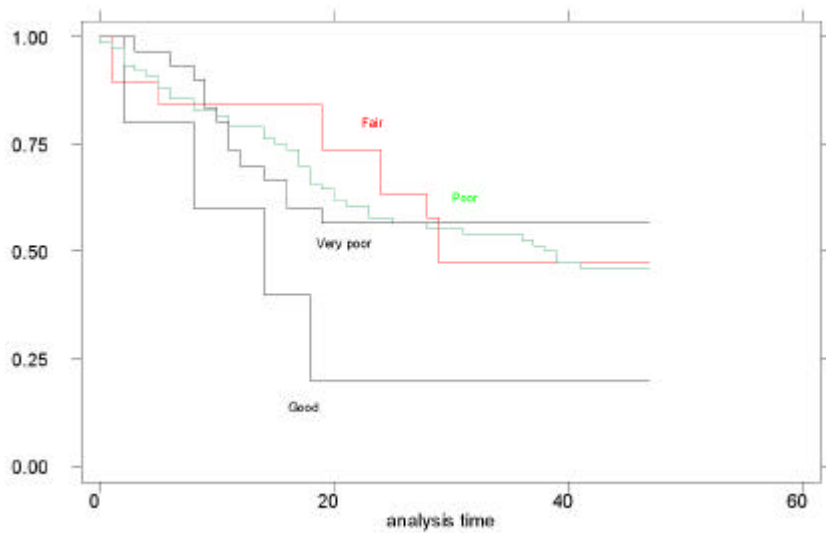
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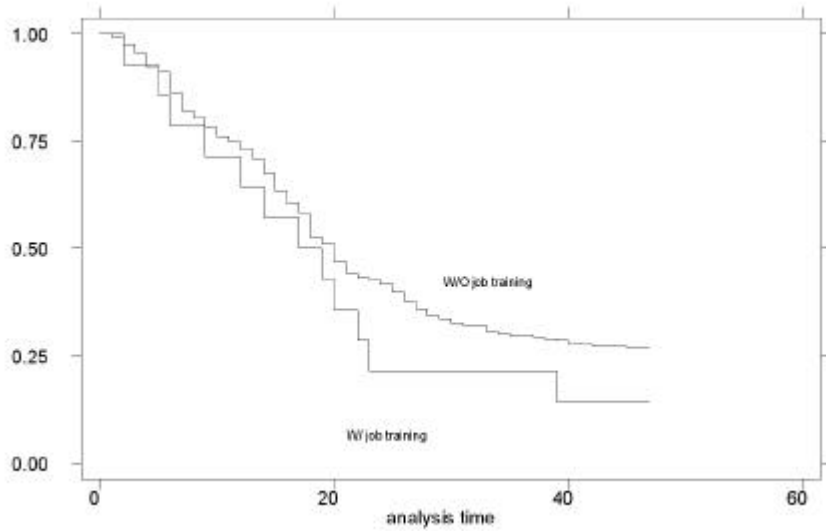
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 3. Kaplan-Meier Survival Estimate for the Employed by Health Status 1999



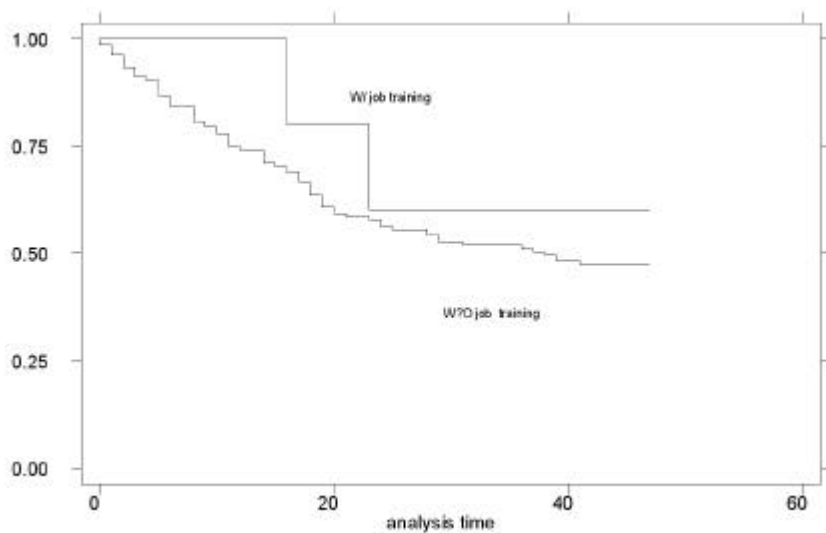
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 4. Kaplan-Meier Survival Estimates for Self-employed by Health Status 1999



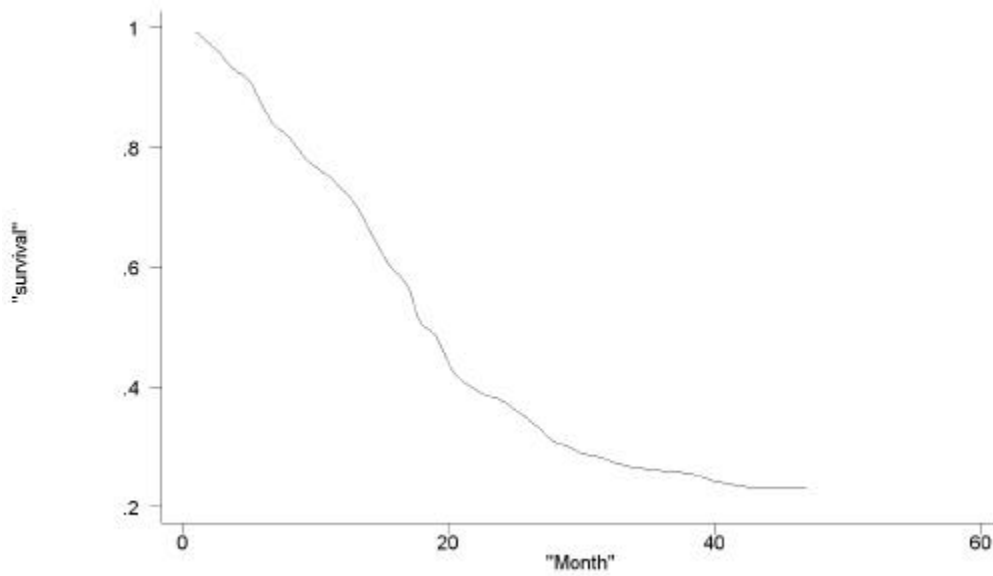
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 5 Kaplan-Meier Survival Estimates for the Employed by Job Training Experience



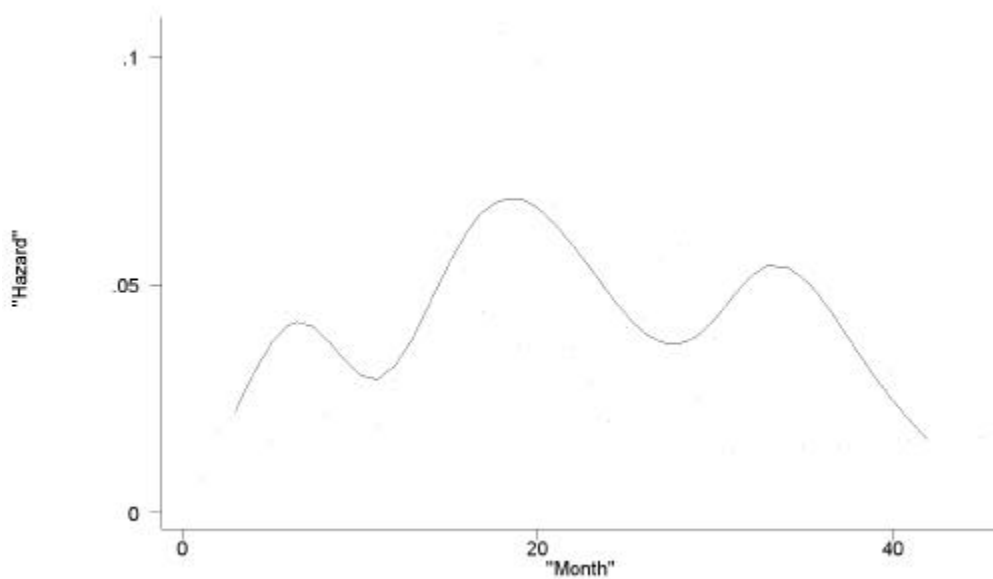
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 6. Kaplan-Meier Survival Estimates for the Self-employed by Job Training Experience



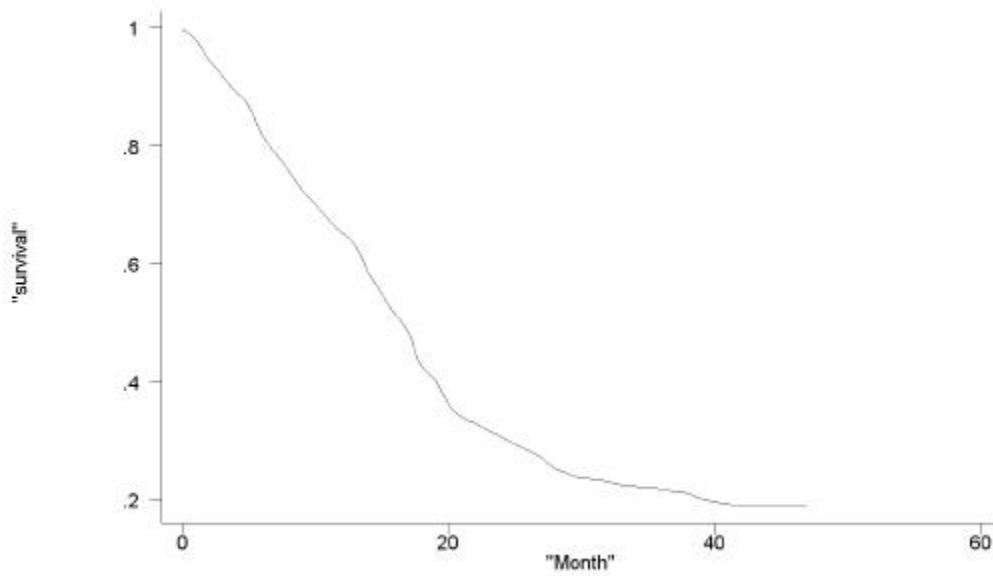
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 7. Baseline survival function of the employed from Cox proportional hazard model estimation



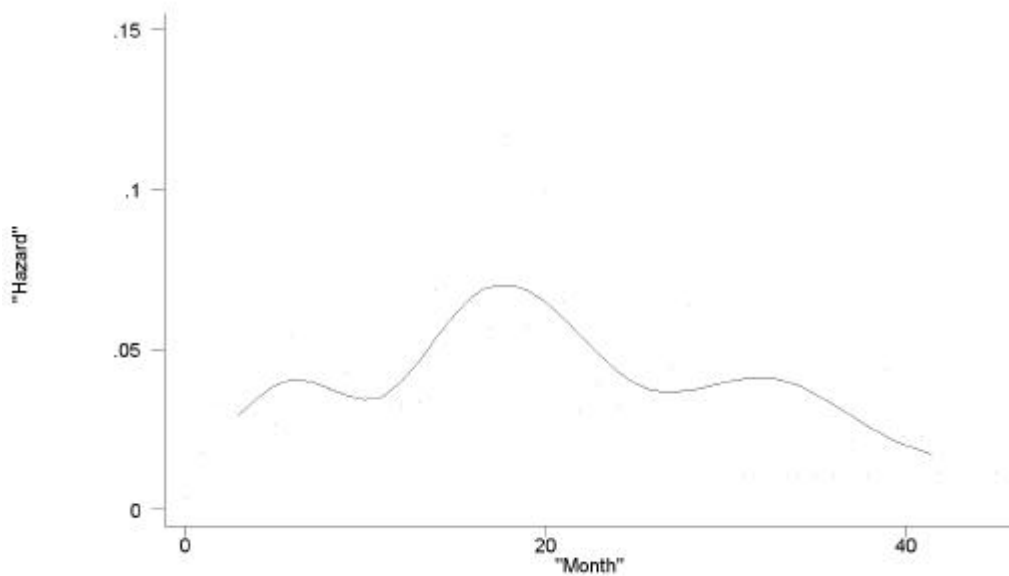
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 8. Baseline hazard function of the employed from Cox proportional hazard model estimation



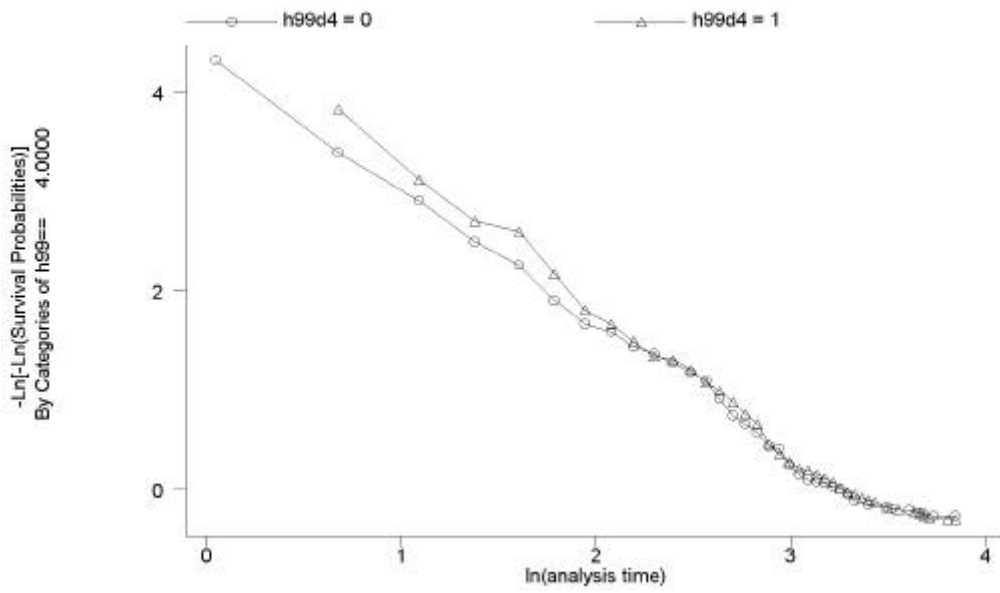
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 9. Baseline survival function of the employed & self-employed from Cox proportional hazard model estimation



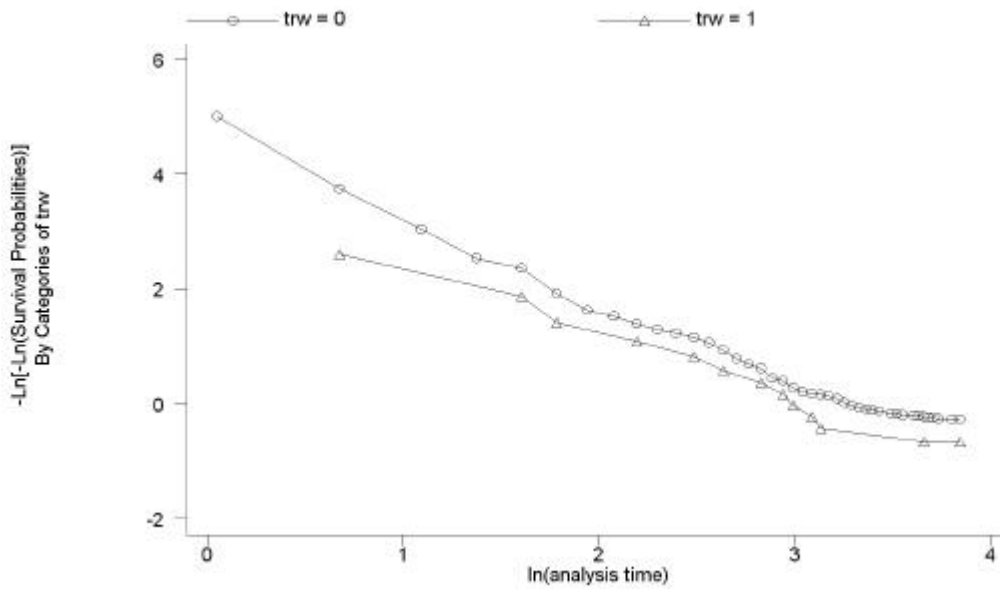
Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 10. Baseline hazard function of the employed & self-employed from Cox proportional hazard model estimation



Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 11. Specification of Cox proportional hazard model by health status of "Good"



Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Figure 12. Specification of Cox proportional model by job training

Table 1. Summary statistics

Variable	Employed			Self-employed		
	N	Mean	S.E.	N	Mean	S.E.
Age 1998	315	36.63	11.05	140	38.11	8.87
Gender	315	0.65	0.48	140	0.58	0.50
Marital status	315			140		
Unmarried		0.30	0.46		0.09	0.28
Married w/spouse		0.63	0.48		0.85	0.36
Married w/o spouse		0.08	0.27		0.06	0.25
Health status 1999	290			130		
Excellent		0.29	0.46		0	0
Good		0.48	0.50		0.22	0.42
Fair		0.17	0.37		0.60	0.49
Poor		0.04	0.21		0.14	0.35
Very poor		0.02	0.13		0.03	0.18
Other income 1998*	315	112.65	367.60	140	48.01	274.09
Job training 1998	315	0.04	0.21	140	0.04	0.19
Education 1998	308	11.51	3.35	136	11.01	3.16
Re-employed by 2001	315	0.74	0.44	140	0.52	0.50

Notes: * 10,000 won

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 2. Comparison of Kaplan-Meier Survival function of the employed by health status

Time(month)	Health				
	Very poor	Poor	Fair	Good	Excellent
1	1.0000	1.0000	1.0000	1.0000	1.0000
6	0.8000	0.8462	0.8333	0.8921	0.8824
11	0.6000	0.7692	0.7083	0.7626	0.7882
16	0.2000	0.7692	0.5625	0.6259	0.6118
21	0.2000	0.3846	0.4167	0.4460	0.4471
26	0.2000	0.3077	0.3750	0.3741	0.3882
31	.	0.3077	0.3125	0.3237	0.3294
36	.	0.3077	0.2917	0.2950	0.3176
41	.	0.3077	0.2917	0.2662	0.2824
46	.	0.3077	0.2708	0.2590	0.2824
51

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 3. Comparison of Kaplan-Meier Survival function of the Self-employed by health status

Time	Health				
	Very Poor	Poor	Fair	Good	Excellent
0	1.0000	1.0000	1.0000	1.0000	1.0000
5	1.0000	0.8889	0.8657	0.9112	0.9217
10	0.6000	0.7222	0.7612	0.7855	0.8087
15	0.2000	0.6667	0.6567	0.6926	0.6522
20	0.2000	0.4444	0.5373	0.5206	0.4870
25	0.2000	0.3333	0.4478	0.4555	0.4348
30	.	0.2778	0.3582	0.4090	0.3913
35	.	0.2778	0.3433	0.3812	0.3826
40	.	0.2778	0.3433	0.3440	0.3565
45	.	0.2778	0.3284	0.3300	0.3565

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 4. Comparison of Kaplan-Meier Survival function of the employed by Job training experience

Time(Month)	Job Training	
	With JT	Without JT
1	1.0000	1.0000
6	0.8638	0.7857
11	0.7475	0.7143
16	0.6047	0.5714
21	0.4419	0.3571
26	0.3754	0.2143
31	0.3223	0.2143
36	0.2957	0.2143
41	0.2757	0.1429
46	0.2691	0.1429
51	.	.

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 5. Comparison of Kaplan-Meier Survival function of the Self-employed by Job training experience

Time	Job Training	
	With JT	Without JT
0	1.0000	1.0000
5	0.8966	0.8947
10	0.7658	0.7895
15	0.6557	0.6842
20	0.5067	0.4737
25	0.4471	0.3158
30	0.3875	0.3158
35	0.3645	0.3158
40	0.3416	0.2632
45	0.3324	0.2632
50	.	.

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 6. Cox propagational hazard model estimates of the effect of health on unemployment

Variable	Employed			Employed and Self-employed		
	(1)	(2)	(3)	(1)	(2)	(3)
(Age -38) 1998	-0.023 (0.011)**	-0.024 (0.011)**	-0.027 (0.011)**	-0.016 (0.010)*	-0.017 (0.010)*	-0.017 (0.010)*
(Age -38) ²	0.001 (0.001)**	0.001 (0.001)**	0.001 (0.001)**	0.001 (0.000)	0.001 (0.000)	0.001 (0.000)
Gender	-0.133 (0.158)	-0.140 (0.158)	-0.097 (0.159)	-0.060 (0.133)	-0.062 (0.133)	-0.044 (0.133)
Education 1998	-0.027 (0.026)	-0.026 (0.025)	-0.037 (0.026)	-0.030 (0.022)	-0.030 (0.022)	-0.035 (0.022)
Married w/ spouse	0.365 (0.249)	0.402 (0.251)	0.456 (0.253)*	-0.028 (0.212)	-0.017 (0.212)	0.002 (0.211)
Married w/o spouse	0.771 (0.370)**	0.826 (0.373)**	0.869 (0.374)**	0.430 (0.323)	0.447 (0.324)	0.457 (0.323)
Other income 1998	0.000 (0.000)**	0.000 (0.000)**	0.000 (0.000)**	0.000 (0.000)**	0.000 (0.000)**	0.000 (0.000)**
Very poor	0.538 (0.533)	0.559 (0.534)	0.471 (0.532)	0.674 (0.513)	0.677 (0.513)	0.631 (0.512)
Poor	-0.264 (0.394)	-0.227 (0.395)	-0.351 (0.394)	0.139 (0.327)	0.148 (0.328)	0.089 (0.327)
Good	-0.129 (0.200)	-0.106 (0.201)	-0.221 (0.201)	-0.103 (0.178)	-0.100 (0.178)	-0.161 (0.179)
Excellent	-0.134 (0.217)	-0.117 (0.218)	-0.273 (0.221)	-0.086 (0.196)	-0.087 (0.196)	-0.170 (0.199)
Job training		0.463 (0.317)	-20.157 (0.445)***		0.193 (0.288)	-20.055 (0.421)***
Good xJob training			20.846 (0.651)***			20.350 (0.000)
Excellent xJob training			21.320 (0.000)			20.599 (0.582)***
Observations	284	284	284	410	410	410
Log Likelihood	-1058.363	-1057.4202	-1052.3237	-1519.6466	-1519.4335	-1516.5334

Notes: Standard errors in parentheses. * significant at 10%; ** significant at 5%; *** significant at 1%

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 7. Kaplan-Meier Survival function of the employed by health status

Time	Begin Total	Fail	Net lost	Survival function	s.e.
Very Poor					
5.97	5	1	0	0.800	0.179
6.98	4	1	0	0.600	0.219
13.93	3	2	0	0.200	0.179
26.95	1	1	0	0.000	.
Poor					
3.97	13	1	0	0.923	0.074
5.97	12	1	0	0.846	0.100
6.98	11	1	0	0.769	0.117
19.97	10	3	0	0.539	0.138
20.95	7	2	0	0.385	0.135
25.93	5	1	0	0.308	0.128
46.92	4	0	4	0.308	0.128
Fair					
1.05	48	1	0	0.979	0.021
2.98	47	2	0	0.938	0.035
3.97	45	1	0	0.917	0.040
4.98	44	2	0	0.875	0.048
5.97	42	2	0	0.833	0.054
6.98	40	1	0	0.813	0.056
8.00	39	1	0	0.792	0.059
8.98	38	2	0	0.750	0.063
10.00	36	1	0	0.729	0.064
10.98	35	1	0	0.708	0.066
12.00	34	1	0	0.688	0.067
13.02	33	1	0	0.667	0.068
13.93	32	1	0	0.646	0.069
14.95	31	3	0	0.583	0.071
15.93	28	1	0	0.563	0.072
16.95	27	2	0	0.521	0.072
17.93	25	1	0	0.500	0.072
19.97	24	2	0	0.458	0.072
20.95	22	2	0	0.417	0.071
24.98	20	2	0	0.375	0.070
27.93	18	2	0	0.333	0.068
29.93	16	1	0	0.313	0.067
32.95	15	1	0	0.292	0.066
41.90	14	1	0	0.271	0.064
46.92	13	0	13	0.271	0.064

Table 7. Kaplan-Meier Survival function of the employed by health status(continued)

Time	Begin Total	Fail	Net lost	Survival function	s.e.
Good					
1.97	139	3	0	0.978	0.012
2.98	136	3	0	0.957	0.017
3.97	133	3	0	0.935	0.021
4.98	130	1	0	0.928	0.022
5.97	129	5	0	0.892	0.026
6.98	124	6	0	0.849	0.030
8.00	118	3	0	0.827	0.032
8.98	115	4	0	0.799	0.034
10.00	111	4	0	0.770	0.036
10.98	107	1	0	0.763	0.036
12.00	106	3	0	0.741	0.037
13.02	103	4	0	0.712	0.038
13.93	99	3	0	0.691	0.039
14.95	96	4	0	0.662	0.040
15.93	92	5	0	0.626	0.041
16.95	87	4	0	0.597	0.042
17.93	83	9	0	0.532	0.042
18.95	74	5	0	0.496	0.042
19.97	69	4	0	0.468	0.042
20.95	65	3	0	0.446	0.042
21.97	62	1	0	0.439	0.042
22.95	61	2	0	0.425	0.042
23.97	59	2	0	0.410	0.042
24.98	57	2	0	0.396	0.042
25.93	55	3	0	0.374	0.041
26.95	52	2	0	0.360	0.041
27.93	50	1	0	0.353	0.041
28.95	49	2	0	0.338	0.040
29.93	47	1	0	0.331	0.040
30.95	46	1	0	0.324	0.040
32.95	45	3	0	0.302	0.039
34.95	42	1	0	0.295	0.039
37.90	41	1	0	0.288	0.038
38.92	40	1	0	0.281	0.038
39.90	39	1	0	0.273	0.038
40.92	38	1	0	0.266	0.038
44.92	37	1	0	0.259	0.037
46.92	36	0	36	0.259	0.037

Table 7. Kaplan- Meier Survival function of the employed by health status(continued)

Time	Begin Total	Fail	Net lost	Survival function	s.e.
Excellent					
1.05	85	1	0	0.988	0.012
1.97	84	3	0	0.953	0.023
2.98	81	1	0	0.941	0.026
3.97	80	2	0	0.918	0.030
4.98	78	1	0	0.906	0.032
5.97	77	2	0	0.882	0.035
6.98	75	2	0	0.859	0.038
8.00	73	1	0	0.847	0.039
8.98	72	2	0	0.824	0.041
10.00	70	1	0	0.812	0.042
10.98	69	2	0	0.788	0.044
12.00	67	2	0	0.765	0.046
13.02	65	2	0	0.741	0.048
13.93	63	4	0	0.694	0.050
14.95	59	4	0	0.647	0.052
15.93	55	3	0	0.612	0.053
16.95	52	2	0	0.588	0.053
17.93	50	6	0	0.518	0.054
18.95	44	1	0	0.506	0.054
19.97	43	4	0	0.459	0.054
20.95	39	1	0	0.447	0.054
21.97	38	3	0	0.412	0.053
22.95	35	1	0	0.400	0.053
23.97	34	1	0	0.388	0.053
26.95	33	2	0	0.365	0.052
27.93	31	2	0	0.341	0.051
29.93	29	1	0	0.329	0.051
33.97	28	1	0	0.318	0.051
36.98	27	1	0	0.306	0.050
38.92	26	1	0	0.294	0.049
39.90	25	1	0	0.282	0.049
46.92	24	0	24	0.282	0.049

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 8. Kaplan- Meier Survival function of the self-employed by health status

Time	Begin	Total	Fail	Net lost	Survival function	s.e.
Poor						
1.967	5		1	0	0.8	0.1789
8	4		1	0	0.6	0.2191
13.93	3		1	0	0.4	0.2191
17.93	2		1	0	0.2	0.1789
46.92	1		0	1	0.2	0.1789
Fair						
1.049	19		2	0	0.8947	0.0704
4.984	17		1	0	0.8421	0.0837
18.95	16		2	0	0.7368	0.101
23.97	14		2	0	0.6316	0.1107
27.93	12		1	0	0.5789	0.1133
28.95	11		2	0	0.4737	0.1145
46.92	9		0	9	0.4737	0.1145
Good						
0.0328	76		1	0	0.9868	0.0131
1.049	75		1	0	0.9737	0.0184
1.967	74		3	0	0.9342	0.0284
2.984	71		1	0	0.9211	0.0309
3.967	70		1	0	0.9079	0.0332
4.984	69		2	0	0.8816	0.0371
5.967	67		2	0	0.8553	0.0404
8	65		2	0	0.8289	0.0432
10	63		1	0	0.8158	0.0445
10.98	62		2	0	0.7895	0.0468
13.93	60		2	0	0.7632	0.0488
14.95	58		1	0	0.75	0.0497
15.93	57		1	0	0.7368	0.0505
16.95	56		3	0	0.6974	0.0527
17.93	53		3	0	0.6579	0.0544
18.95	50		1	0	0.6447	0.0549
19.97	49		2	0	0.6184	0.0557
20.95	47		1	0	0.6053	0.0561
22.95	46		2	0	0.5789	0.0566
24.98	44		1	0	0.5658	0.0569
27.93	43		1	0	0.5526	0.057
30.95	42		1	0	0.5395	0.0572
35.97	41		1	0	0.5263	0.0573
36.98	40		1	0	0.5132	0.0573
37.9	39		1	0	0.5	0.0574
38.92	38		2	0	0.4737	0.0573
40.92	36		1	0	0.4605	0.0572
46.92	35		0	35	0.4605	0.0572

Table 8. Kaplan-Meier Survival function of the self-employed by health status(continued)

Time	Begin Total	Fail	Net lost	Survival function	s.e.
Excellent					
2.984	30	1	0	0.9667	0.0328
5.967	29	1	0	0.9333	0.0455
8	28	1	0	0.9	0.0548
8.984	27	2	0	0.8333	0.068
10	25	1	0	0.8	0.073
10.98	24	2	0	0.7333	0.0807
12	22	1	0	0.7	0.0837
13.93	21	1	0	0.6667	0.0861
15.93	20	2	0	0.6	0.0894
18.95	18	1	0	0.5667	0.0905
46.92	17	0	17	0.5667	0.0905

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001

Table 9. Kaplan- Meier Survival function of the employed by job training experience

Time	Begin	Total	Fail	Net lost	Survival function	s.e.
No job training						
1.049	301		2	0	0.9934	0.0047
1.967	299		5	0	0.9767	0.0087
2.984	294		7	0	0.9535	0.0121
3.967	287		9	0	0.9236	0.0153
4.984	278		4	0	0.9103	0.0165
5.967	274		14	0	0.8638	0.0198
6.984	260		13	0	0.8206	0.0221
8	247		5	0	0.804	0.0229
8.984	242		7	0	0.7807	0.0238
10	235		6	0	0.7608	0.0246
10.98	229		4	0	0.7475	0.025
12	225		5	0	0.7309	0.0256
13.02	220		7	0	0.7076	0.0262
13.93	213		10	0	0.6744	0.027
14.95	203		12	0	0.6346	0.0278
15.93	191		9	0	0.6047	0.0282
16.95	182		7	0	0.5814	0.0284
17.93	175		16	0	0.5282	0.0288
18.95	159		5	0	0.5116	0.0288
19.97	154		13	0	0.4684	0.0288
20.95	141		8	0	0.4419	0.0286
21.97	133		3	0	0.4319	0.0286
22.95	130		2	0	0.4252	0.0285
23.97	128		3	0	0.4153	0.0284
24.98	125		5	0	0.3987	0.0282
25.93	120		7	0	0.3754	0.0279
26.95	113		5	0	0.3588	0.0276
27.93	108		5	0	0.3422	0.0273
28.95	103		2	0	0.3355	0.0272
29.93	101		3	0	0.3256	0.027
30.95	98		1	0	0.3223	0.0269
32.95	97		5	0	0.3056	0.0266
33.97	92		1	0	0.3023	0.0265
34.95	91		2	0	0.2957	0.0263
36.98	89		1	0	0.2924	0.0262
37.9	88		1	0	0.289	0.0261
38.92	87		1	0	0.2857	0.026
39.9	86		2	0	0.2791	0.0259
40.92	84		1	0	0.2757	0.0258
41.9	83		1	0	0.2724	0.0257
44.92	82		1	0	0.2691	0.0256
46.92	81		0	81	0.2691	0.0256

Table 9. Kaplan-Meier Survival function of the employed by job training experience(continued)

Time	Begin	Total	Fail	Net lost	Survival function	s.e.
W/ job training						
1.967	14		1	0	0.9286	0.0688
4.984	13		1	0	0.8571	0.0935
5.967	12		1	0	0.7857	0.1097
8.984	11		1	0	0.7143	0.1207
12	10		1	0	0.6429	0.1281
13.93	9		1	0	0.5714	0.1323
16.95	8		1	0	0.5	0.1336
18.95	7		1	0	0.4286	0.1323
19.97	6		1	0	0.3571	0.1281
21.97	5		1	0	0.2857	0.1207
22.95	4		1	0	0.2143	0.1097
38.92	3		1	0	0.1429	0.0935
46.92	2		0	2	0.1429	0.0935

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Table 10. Kaplan- Meier Survival function of the self-employed by job training experience

Time	Beginning Total	Fail	Net lost	Survival function	s.e.
No job training					
0.0328	135	2	0	0.9852	0.0104
1.049	133	3	0	0.963	0.0163
1.967	130	4	0	0.9333	0.0215
2.984	126	3	0	0.9111	0.0245
3.967	123	1	0	0.9037	0.0254
4.984	122	5	0	0.8667	0.0293
5.967	117	3	0	0.8444	0.0312
8	114	5	0	0.8074	0.0339
8.984	109	2	0	0.7926	0.0349
10	107	2	0	0.7778	0.0358
10.98	105	4	0	0.7481	0.0374
12	101	1	0	0.7407	0.0377
13.93	100	4	0	0.7111	0.039
14.95	96	1	0	0.7037	0.0393
15.93	95	2	0	0.6889	0.0398
16.95	93	3	0	0.6667	0.0406
17.93	90	4	0	0.637	0.0414
18.95	86	4	0	0.6074	0.042
19.97	82	2	0	0.5926	0.0423
20.95	80	1	0	0.5852	0.0424
22.95	79	1	0	0.5778	0.0425
23.97	78	2	0	0.563	0.0427
24.98	76	1	0	0.5556	0.0428
27.93	75	2	0	0.5407	0.0429
28.95	73	2	0	0.5259	0.043
30.95	71	1	0	0.5185	0.043
35.97	70	1	0	0.5111	0.043
36.98	69	1	0	0.5037	0.043
37.9	68	1	0	0.4963	0.043
38.92	67	2	0	0.4815	0.043
40.92	65	1	0	0.4741	0.043
46.92	64	0	64	0.4741	0.043
W/ job training					
15.93	5	1	0	0.8	0.1789
22.95	4	1	0	0.6	0.2191
46.92	3	0	3	0.6	0.2191

Source: Korea labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

Table 11. Cox propagational hazard model estimates of the effect of health on unemployment during 1999-2000

	Employed (3)	Employed and Self-employed (3)
(Age -38) 1998	-0.033 (0.014)**	-0.027 (0.013)**
(Age -38) ²	0.001 (0.001)	0.000 (0.001)
Gender	-0.303 (0.201)	-0.101 (0.174)
Education 1998	-0.024 (0.034)	-0.032 (0.030)
Married w/ spouse	0.779 (0.329)**	0.259 (0.281)
Married w/o spouse	1.656 (0.462)***	1.148 (0.411)***
Other income 1998	0.001 (0.000)***	0.000 (0.000)***
Very poor	0.501 (0.679)	0.672 (0.663)
Poor	-0.250 (0.469)	0.122 (0.407)
Good	-0.190 (0.264)	-0.260 (0.233)
Excellent	-0.206 (0.285)	-0.174 (0.258)
Job training	-21.122 (0.627)***	-20.169 (0.533)***
Good xJob training	21.987 (0.883)***	20.647 (0.744)***
Excellent xJob training	22.216 (0.000)	20.770 (0.000)
Observations	216	313
Log Likelihood		

Notes: Standard errors in parentheses. * significant at 10%; ** significant at 5%; *** significant at 1%

Source: Korea Labor Institute, Korea Labor & Income Panel Survey, 1998-2001.

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