

• 3

• 3

2001 12

가

	.....	i
I.	.....	1
1.	.....	1
2.	.....	3
3. 가	.....	4
II.	.....	5
1.	.....	5
2.	.....	7
III.	.....	9
1.	.....	9
2.	.....	10
3.	.....	12
IV.	.....	13
1.	.....	13
2.	.....	19
3.	.....	22
4.	.....	25

V.	.....	27
VI.	.....	35
	.....	38
	.....	42
	.....	44

1.	.....	9
2.	.....	14
3.	.....	15
4.	.....	16
5.	.....	18
6.	.....	19
7.	.....	20
8.	20	21
9.	.....	22
10.	.....	24
11.	.....	25
12.	1 1 가	26
13.	2001	42

1.	.....	12
2.	.....	43

• 3
 3 1,200 2
 600~700 2 2000 3
 5 2001 3 5

1. 5.8% .
 , 가 .
 , 25~44 가 ,
 가 .

2. 가 ,
 가 14.7%

3. ,
 가 가 .

가

가

가

가

I.

1.

가 , 가 , 가 가

가 (가 , 2001).

가

가

1

가

가

가 가

가 (,

2001).

가

가

,

가

70~80%

(, 2000).

1984

가

11.8% 가

(, 1986),

(2001) ,

가

가

가

38.1%

18.8%가

가

.

(, 2001),

,

,

가

가

가

.

,

가

.

.

가

가

.

.

2.

3

.

.

.

, • ,
가 ,

, •
가 .

3. 가

(2001) 3

가 .

가 1 : 3

가 2 : 3

가 3 : 3 1

가 4 : 3

가 5 : 3 가

II.

1.

가 (Roemer, 1978 ; Glaser, 1970).

1970 , 1977

1979 , 1989

.

(, 2000).

3

17.5% (, 1989), 1970

,

가

(, 1980 ; , 1981 ; ; 1986 ;
, 1986 ; , 1990 ; , 1992).

가

,

,

(, 1985 ; ; 1988).

(1988) 1982 1
 1983 , 5 1987 1,000 가
 , ,
 .
 가 , 가 ,
 .
 (1990)
 가 .
 10%
 , 가 가 (, 1992).
 (1991)
 가 . (1994)
 가 , ,
 가 .
 , Medicaid
 가 , Medicaid
 가 가
 (Wilson and White, 1997; Davis, Gold and Makuc, 1981),
 Enterline(1973)

가 .

2.

가 가 ,
, .
, ,
가 .
(, 2000).
, (2000) 가
, (2000) .
,
(, 2001). (2000)
가
.
(2001)
가 , ,
, .

가

3

가

가

III.

1.

3 4
3
1,200 2 , 600~700
2 ()
1).

1. (: ,)

A	A	1,450	5,500		752,966
	B	1,250	4,950	"	663,538
B	C	650	1,240	"	138,523
	D	670	1,950	"	270,984

2001 3 5 3
2000 3 5

2.

(1).

,
, , , ,
.

,
20 .

,
, , 1 , ()
611~629) , 가

,
.

$$= \frac{(\quad, \quad)}{\quad} \times 100$$

$$= \frac{\quad}{\quad} \times 100$$

$$1 = \frac{(\quad)}{(\quad)}$$

$$= \frac{\quad}{\quad} \times 100$$

가

$$= \frac{\quad}{\quad} + \frac{\quad}{\quad}$$

,

, 1 1 가 .

,

,

가 1,200

(A) 600~700

(B)

•

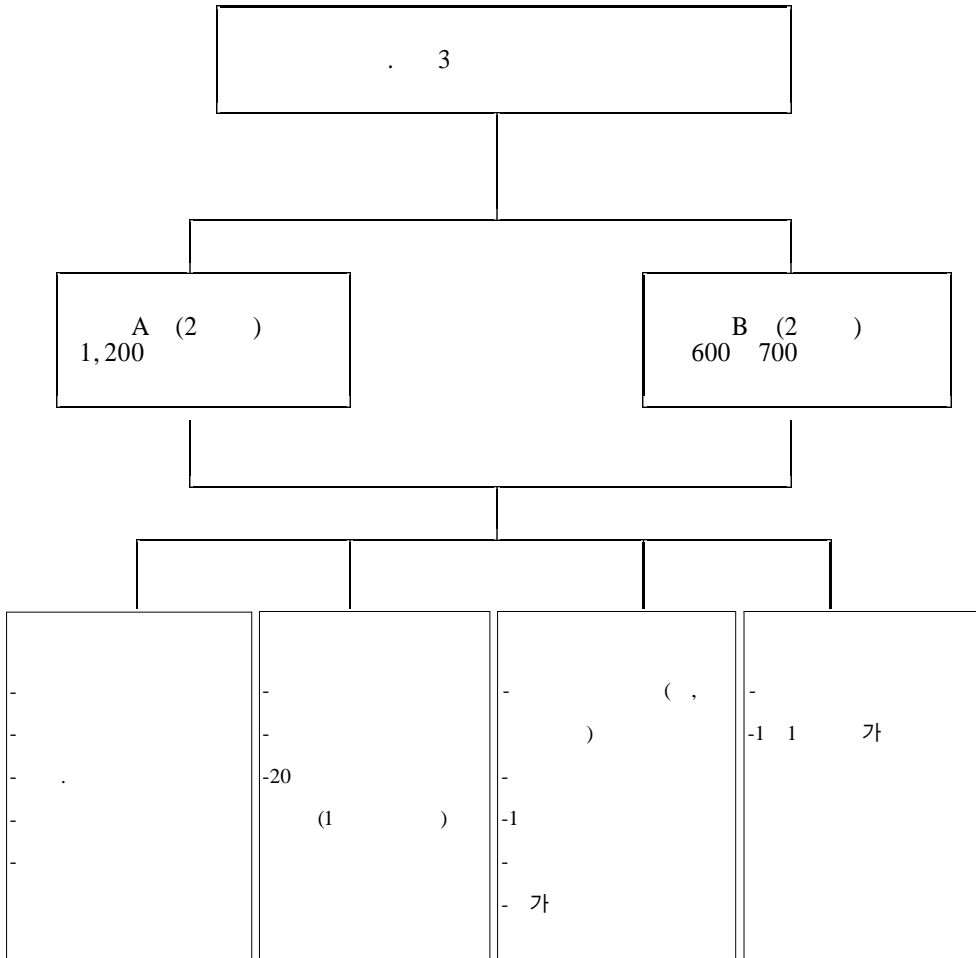
,

,

,

.

3.



1.

IV.

1.

가.

5.8%가 . A B
5.7%, 6.1% (2).
, , , , ,
, , 2000 7
3 1 가
, , , , 가
, 2000 4
가 .
가
4.4% .
5
10.5% 5.8% .
A 가 25.5% 가 , B
가 25.2% 가 A, B 가 .

2.

(: , %)

	A			B			X ²	X ²	X ²	X ²	
			X ²			X ²					
	193,152	193,515	0.19	54,276	49,777	-8.3		247,428	243,292	-1.7	
	70,926	66,473	-6.3	21,139	15,818	-25.2		92,065	82,291	-10.6	
	35,808	36,308	1.4	5,402	5,696	5.4		41,210	42,003	1.9	
	13,940	13,214	-5.2	10,227	8,767	-4.3		24,167	21,981	-9.0	
	24,821	25,391	2.3	8,707	9,232	6.0		33,528	34,622	3.3	
	6,666	7,841	17.6	1,980	1,962	-0.9		8,646	9,803	13.4	
	25,597	25,556	-0.2	10,770	10,627	-1.3	14.09**	36,367	36,183	-0.5	11.52***
	11,399	11,276	-1.1	6,409	5,729	-10.6		17,808	17,005	-4.5	
	6,463	5,472	-15.3	6,133	6,288	2.5		12,596	11,760	-6.6	
	44,673	33,289	-25.5	13,176	11,890	-9.8		57,849	45,179	-21.9	
	18,918	20,725	9.6	6,912	6,898	-0.2		25,830	27,623	6.9	
	81,049	72,379	-10.7	9,590	10,696	11.5		90,639	83,074	-8.3	
	24,408	24,404	0.0	942	2,852	202.7		25,350	27,256	7.5	
	557,820	535,843	-3.9	155,663	146,232	-6.1		713,483	682,072	-4.4	
	37,240	35,642	-4.3	8,113	7,447	-8.2		45,353	43,089	-5.0	
	37,321	32,494	-12.9	14,429	12,154	-15.8		51,750	44,648	-13.7	
	23,663	20,677	-12.6	9,708	7,622	-21.5	7.18**	33,371	28,299	-15.2	9.93***
	18,540	16,547	-10.8	1,796	2,162	20.4		20,336	18,709	-8.0	
가	19,084	15,218	-20.3	7,720	9,158	18.6		26,804	24,376	0.1	
()	21,887	18,238	-16.7	9,407	9,487	0.9		31,294	27,725	-11.4	
	157,735	138,816	-12.0	51,173	48,030	-6.7		208,908	186,846	-10.5	
	715,555	674,658	-5.7	206,836	194,261	-6.1	71.54***	922,391	868,919	-5.8	23.89**

* : P<0.05, ** : P<0.01, *** : P < 0.001

가 , 0.5%
 7.2% A 0.6%, B 2.9%
 1.2% 가 , A, B 6.5%, 9.5%

3. (: , %)

A			B			X ²					
X ²			X ²			X ²					
148,621	144,503	-2.8	40,597	43,756	7.8	189,217	188,259	-0.5			
(20.8)	(21.4)	(0.6)	1.79	(19.6)	(22.5)	(2.9)	223.37**	(20.5)	(21.7)	(1.2)	46.22**
566,934	530,155	-6.5	166,239	150,505	-9.5	733,174	680,660	-7.2			
715,555	674,658	-5.7	206,836	194,261	-6.1	922,391	868,919	-5.8			

* : P<0.05, ** : P<0.01, *** : P < 0.001

7.0% 4.4%
 A.B
 0~14 , 25~34 , 35~44

(4).

A.B

4.

(: , %)

	A			B						X ²
			X ²			X ²			X ²	
0~14	60,975	55,823	-8.4	19,527	16,011	-18.0	80,502	71,834	-10.8	
	43,757	39,941	-8.7	15,189	12,453	-18.0	58,946	52,394	-11.1	
15~24	21,410	20,719	-3.2	5,188	5,445	4.9	26,598	26,164	-1.6	
	17,338	17,404	0.4	6,264	6,018	-3.9	23,602	23,422	-0.8	
25~34	29,534	27,460	-7.0	12,906	12,423	-3.7	42,440	39,882	-6.0	
	53,350	44,803	-16.0	19,327	16,746	-13.4	72,677	61,549	-15.3	
35~44	41,209	38,128	-7.5	15,926	15,824	-0.6	57,135	53,952	-5.6	663.8**
	55,187	49,280	-10.7	13,889	12,784	-8.0	69,076	62,064	-10.2	
45~54	52,334	49,841	-4.8	14,605	14,780	1.2	66,939	64,621	-3.5	
	68,203	65,121	-4.5	17,623	17,670	0.3	85,826	82,791	-3.5	
55~64	65,265	64,065	-1.8	16,275	15,671	-3.7	81,540	79,736	-2.2	
	76,497	73,949	-3.3	20,668	18,944	-8.3	97,165	92,893	-4.4	
65+	63,258	63,105	-0.2	13,060	12,975	-0.6	76,318	76,080	-0.3	
	67,238	65,020	-3.3	16,389	16,517	0.8	83,627	81,537	-2.5	
	333,985	319,141	-4.4	97,487	93,129	-4.5	431,472	412,270	-4.4	
	381,570	355,517	-6.8	109,349	101,132	-7.5	490,919	457,649	-7.0	10.35*
	715,555	674,658	-5.7	206,836	14,261	-6.1	922,391	868,919	-5.8	

* : P<0.05, ** : P<0.01, *** : P < 0.001

6.7%, 7.2%

0.3%

(5). A, B

B 가 12.7% A

A, B 가

7.9%

21.1%

가 ,

1.2%

8.7%

가 .

5.

(: , %)

	()	()	()	()
	87,973	31,435	30,016	
	323,118 (57.5)	131,443 (22.8)	111,570 (19.8)	
	411,091	162,878	141,586	715,555 (100)
	82,479	31,397	30,687	
A	297,609 (56.3)	121,758 (22.7)	110,728 (21.0)	
	380,088	153,155	141,415	674,658 (100)
	-6.2	-0.1	2.2	
	-7.9	-7.4	-0.7	
	-7.5	-6.0	-0.1	-5.7
X ²				9.28**
	32,153	6 6,340	1,983	
	128,616 (62.0)	30,957 (18.0)	6,787 (16.3)	
	160,769	37,297	8,770	206,836 (100)
	35,101	6,317	2,215	
B	118,177 (61.4)	26,244 (16.8)	6,207 (17.2)	
	153,278	32,561	8,422	194,261 (100)
	9.2	-0.4	11.6	
	-8.1	-15.2	-8.5	
	-4.7	-12.7	-4.0	-6.1
X ²				1165.6***
	120,126	37,775	31,999	
	451,734 (62.0)	162,400 (21.7)	118,357 (16.3)	
	571,860	200,175	150,356	922,391 (100)
	117,580	37,714	32,902	
	415,786 (61.4)	148,002 (21.4)	116,935 (17.2)	
	533,367	185,716	149,837	868,919 (100)
	-21.1	-1.6	2.8	
	-7.9	-8.7	-1.2	
	-6.7	-7.2	-0.3	-5.8
X ²				15.52***

* : P<0.05, ** : P<0.01, *** : P < 0.001

6.

가

4.9%

0.9% 가 ,

가

6.

(: , %)

		A			B						X ²
		X ²			X ²						X ²
()	649,113	619,452	-4.6	186,340	175,236	-6.0	835,453	794,688	-4.9		
	(90.7)	(91.8)		(90.1)	(90.2)		(90.6)	(91.5)			
()	16,859	16,981	0.7	5,887	5,977	1.5	22,746	22,957	0.9	11.65*	
	(2.4)	(2.5)		(2.8)	(3.1)		(2.5)	(2.6)			
()	49,583	38,226	-22.9	14,609	13,047	-10.7	64,192	51,274	-20.1		
	(6.9)	(5.7)		(7.1)	(6.7)		(7.0)	(5.9)			
	715,555	674,658	-5.7	206,836	194,261	-6.1	922,391	868,919	-5.8		
	(100)	(100)		(100)	(100)		(100)	(100)			

* : P<0.05, ** : P<0.01, *** : P < 0.001

2.

가. .

.

3

7 .
 가 가 , A, B
 가 .
 B 가가 24.8% 가 ,
 A, B 24.8%, 20.2%

7. .

	A				B							X ²
				X ²				X ²				
(I10-15)	18,783	18,829	0.2	0.06	3,508	4,379	24.8	11.62 ^{***}	22,291	23,208	4.1	8.56 [*]
(E10-14)	18,149	18,917	4.2	1.03	3,189	3,478	9.1	425.21 ^{***}	21,338	22,395	4.7	9.73 ^{**}
(M00-19)	11,794	11,847	0.4	0.03	686	665	-2.9	0.86	12,480	12,512	0.3	0.39
(J00-J06)	5,815	4,374	-24.8	43.53 ^{***}	1,218	971	-20.2	1.88	7,033	5,345	-24.0	8.95 ^{**}
(L20-L30)	6,031	5,557	-7.8	13.26 ^{***}	574	534	-7.0	4.28 [*]	6,605	6,091	-7.8	13.77 ^{***}
(K58)	2,518	2,240	-11.0	15.32 ^{***}	247	204	-17.4	40.72 ^{***}	2,765	2,444	-11.6	53.04 ^{***}

* () ICD-10 . * : P<0.05, ** : P<0.01, *** : P<0.001

. 20
 20 1
 8 . • 10%
 , ,

10% 가
 , 20 가

8. 20

1	E10-E14	10,560	3.60	10,460	3.66	-	0.06
2	Z34	8,886	3.03	6,063	2.12	-31.8	-0.91
3	I10-I15	8,219	2.81	8,587	3.01	4.5	0.20
4	Z00.0	7,211	2.46	4,690	1.64	-35.0	-0.82
5	K05	6,872	2.35	5,765	2.02	-16.1	-0.33
6	K30	6,370	2.17	7,231	2.53	13.5	0.36
7	M25.5	5,585	1.91	7,512	2.63	34.5	0.72
8	Z00.1	4,842	1.65	3,577	1.25	-26.1	-0.40
9	I63	4,672	1.59	5,020	1.76	7.4	0.17
10	I20	4,619	1.58	4,661	1.63	1.0	0.05
11	G40-G41	4,414	1.51	4,879	1.71	10.5	0.20
12	H65-H66	4,244	1.45	3,668	1.28	-13.5	-0.17
13	J00-J01	4,075	1.39	2,768	0.97	-32.1	-0.42
14	L20-L30	4,042	1.38	4,236	1.48	4.8	0.10
15	B15-B19	3,777	1.29	4,116	1.44	9.0	0.15
16	N17-N19	3,775	1.29	4,353	1.52	15.3	0.23
17	M54	3,721	1.27	5,029	1.76	35.1	0.49
18	N95	3,702	1.26	4,015	1.41	8.5	0.15
19	C16	3,620	1.24	4,223	1.48	16.6	0.24
20	N70-N77	3,562	1.22	2,587	0.91	-27.4	-0.31
		106,768	36.45	103,440	36.21	-3.2	-0.24

3.

가. (.)

9. 55.6% 53.4%
 2.2%가 가
 A 49.7%, B 75.2% 3 25%
 가 A 14% , B
 4.3%

9. (: , %)

A				B							
		\bar{X}^2				\bar{X}^2				\bar{X}^2	
49.7	48.3	-1.4	1.40	75.2	70.9	-4.3	143.6***	55.6	53.4	-2.2	1.91*
5.2	5.0	-0.2	2.44	9.6	9.9	0.3	3.70	6.2	6.1	-0.1	3.49*
35.4	35.2	-0.6	1.53	17.5	18.6	6.3	-1.09	26.1	26.7	2.3	0.48
12.3	11.4	-7.4	2.65	19.6	18.7	-4.6	4.29*	15.9	15.0	-5.7	6.24*

* : P<0.05, ** : P<0.01, *** : P < 0.001

6.2% 6.1%
 A 0.2%
 , B 0.3% 가 (9).

. 1
 1 1 가
 ,
 가
 . 9. 1
 가 0.6 가
 A 0.2 , B 1.1 가
 A.B (P=0.0759).

15.9% 15.0%
 A.B 0.9%
 A.B 7% 가 (9).

가
 4 1
 . 4 ,
 , ,
 ,
 가 , 4
 가 가 47.7%, 40.9%, 5.8%, 38.8% 가
 (10).

10.

(: , %)

9,036	213	9,249	13,335	330	13,665	47.5	54.9	47.7	
5,295	87	5,382	7,388	154	7,542	39.5	77.0	40.9	
18,624	434	19,058	19,685	493	20,178	56.9	13.6	5.8	
44,439	1,005	45,444	61,439	1,392	62,831	38.3	38.5	38.3	

4.

가.

.

1 1 가 .

(11).

,

.

14.7% ,

A, B

.

11.

(: , %)

A			B					
19,638	17,434	-11.2	6,783	5,107	-24.7	26,421	22,541	-14.7

*

, 가 3 가

. 1 1 가

1 1 가

,

1 1

가 71 63 11.3%가

, A 5.5%가 B 20.1% .

12. 1 1 가

(:)

		A				B								
		t				t				t				
1	1	가	82.5	78.0	-5.5	1.46	59.5	47.5	4.81***	-20.1	71.3	63.2	-11.3	16.58**

* : P<0.05, ** : P<0.01, *** : P < 0.001

가

가

가

가

가 가

가

가

가

가

2.

1997

2000

3~5

가 2000 2001
(2).

가 , 가 1.

3 ,

5.8% 가 1. . (2001)

가 10%
가 10%

. , , , ,

, 10% ,

가 가 ,

, 가 가 ,

. 9 20 21.9%, 10.6%

가 31.8% , •

가 26.1% ,

,
(, 2000) 3 가
가 (, 2001).
14 4

4

가

가 (, 1992)

1.2% 가

가 2.4% ,

0~14 , 25~34 , 35~44

, 0~14

(2.), 25~44 가

One-stop system

Two-stop system

가

가 3

0.9% 가

, 3

가

가

가

가

2000 12
가가

(2001)

,

가

,

가

가

(, 2000)

가

(, 2000)

20

31.8%,

35.0%,

()

26.1%,

32.1%

가

2.2%

가 2.가

9.2%

(

, 2001)

A 48~49% , B 70~75% 3

25% 가

. 가 5 3

가 . 6.2%

6.1% 가

5. .

1 26.1 26.7 0.6 ,

2.3% 가 가 3.

가 5.26 6.02

14.5% 가 (2001)

가 .

가 가

, .

. 15.9% 15.0%

5.7% 가 4. 3

가

55.7% 56.0%

가 (가 , 2001) .

가

15% 3 , 가

55~56%

가 , 가 .

가 ,

가 ,

(, 2000) , ,

가 (, 2000) .

가 가

4 가

4

가 47.7%, 40.9%, 5.8%, 38.8%

가 가 .

1 1 가
가

, 4

가 14.7% , A, B
 17 가
 3 2001
 14.22% .
 ,
 .
 1 1 가 • 11.3%
 가
 1 1 가 .
 ,
 가 가
 , 3 ,
 가 , 가
 .
 가 ,
 3 A 11~12% ,
 B 18~19%, 55~56%
 가
 가

VI.

• 3

, 3 가 가 1,200
2 , 가 가 600~700 2
4 2000 3 5
2001 3 5

1. 5.8% .
, 가 21.9%, 10.6% 가 ,
가 6.7% 1.2% .
가 2.4% , 0~14
25~44 가 ,
6.7%, 7.2% 0.3% ,
가 .

2. , 가
, 20 31.8%,
35%, 26.1%, 32.1%
가 .

3. 2.2% ,
 0.1%
 , 1 0.6 가 .
 • 15.9% 15.0% 5.7% ,
 가 가 4 3 40% 가
 가 .

4. 14.7% , 1 1 가 가
 11.3% .
 , ,
 가 3
 • ,
 3 가 5.8%
 . 가 ,
 가
 가 14.7% .
 ,
 3
 , 가 가 .

가
가 , 가 ,
가 . 가 .
가 가 .

, 2000

가

, 1995

1986;23(1):47- 74

, 1999

, 1995

, 2000

, 2001

1990;6:61- 91

1992;2(1):167- 203

2

1981;14(1):

3- 12

1988;8(1):73- 102

1983;

16(1):121- 127

가

1988;21(2):419- 30

1986;19(1):137- 45

1975;18(7):

343- 7

1981;14(1):53- 8

2001

, 2001

, 1980;13(1)

, 2000;43(4)

:313- 326

, 2000

가

, 7:(1):100- 124

, 1992;25(1):73-87
 , 1987
 가
 , 2001
 65
 , 2001
 , 2001
 1996
 가 , 2001
 , 2000
 , 2000
 , 2000

Anderson RM. Behavioral model of families' use of health service.

Center for health administration studies, research series 25, 1968

Davis K, Gold M, Makuc D. Access to health care for poor : Does the gap remain? Annual review of public health. 1981;2:159-82

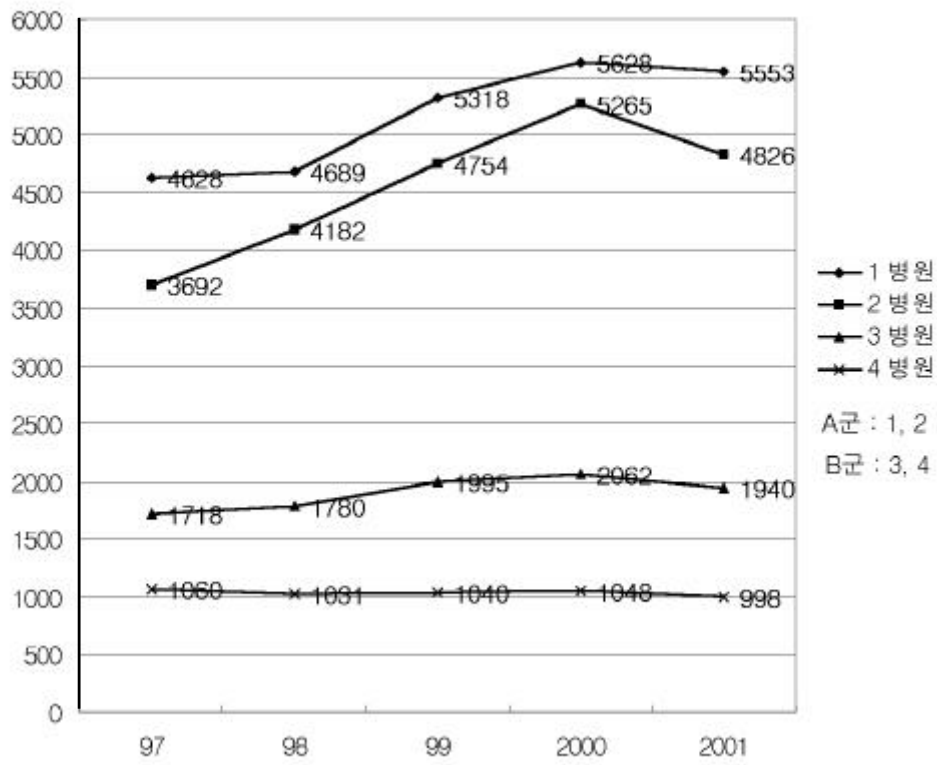
Enterline PE, Salter V, McDonald AD et al. The distribution of medical service before and after free medical care, the Quebec experience. N Engl J Med 1973;289:1174-8

Wilson RW, White EL, Changes in morbidity, disability and utilization
differentials between the poor and the non poor. Medical care
1977;14:634-46

13. 2001

	()	()	()
	6,230,230 (7.65)	145 (26.81)	15,747 (1.58)
	1,110,182 (-16.17)	25,818 (-14.22)	44,947 (-21.52)
	1,064,549 (1.93)	4,191 (-0.48)	28,181 (-17.32)
	478,802 (6.82)	660 (-3.04)	20,080 (-3.14)
	8,655 (13.95)	149 (-11.59)	23,380 (0.52)
	29,796 (13.75)	211 (8.11)	11,798 (16.28)
	2,788,826 (22.41)	142 (16.07)	13,869 (12.88)
	429,719 (15.24)	41 (12.43)	19,631 (19.64)
	262,711 (29.58)	40 (20.09)	13,290 (14.68)
	56,842 (-31.46)	17 (-30.66)	6,234 (-27.70)

() 2000 가 . 가



2. (3-5)

= ABSTRACT =

The Change in the Outpatient Visit to Tertiary care Hospital after
the Implementation of the Separation of Prescription and Drug
Dispensing Policy

Dong Yeong Cho
Graduate school of
Health Science and Management
Yonsei University

(Directed by Professor Seung Hum Yu, M.D., Dr.P.H.)

The purpose of this study is to find out if there has been any change in the outpatient visit to tertiary care hospitals after the introduction of the new healthcare program that divides the roles of doctors and pharmacists and the reason for the change if there is any.

Two tertiary care hospitals with the largest capacity of 1200 beds and two tertiary care hospitals with the lowest capacity of 600-700 beds were randomly selected. Data of the outpatient visits from March-May 2000, before the new healthcare system was adopted, were compared with the data from March-May 2001, after the new policy was adopted.

Outpatient visits have decreased 5.8% after the new system.

There has been a dramatic decrease, especially, in the department of OB-GYN and Pediatrics of tertiary hospitals. Decrease in re-visits is much higher than the first visits. Female patients decreased more than the male patients. Outpatient visits by economically active patients group aged 25~44 declined much. Tertiary hospitals in Seoul and Kyonggi Province, as well.

Outpatient income of tertiary hospitals has dropped up to 14.7% due to the decline in outpatient visits and pharmaceutical income, and resell price system which in turn has caused the hospital financial deficits.

While the new program has succeeded in lowering the use of

antibiotics and injections, it has the pitfall of prescribing long days and expensive drugs.

A full-fledged review of the system should be conducted for the establishment of the new system and I believe this study may be a useful references.

Furthermore, more profound and overall studies on the chance in the patients use of hospitals are needed.