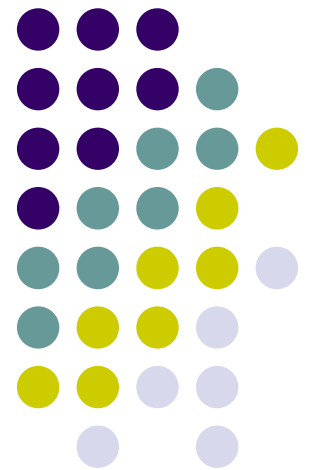
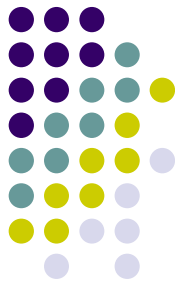


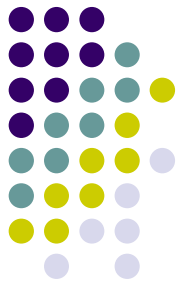
2006 9 28





(supplier - induced demand)
(Roemer's Law)

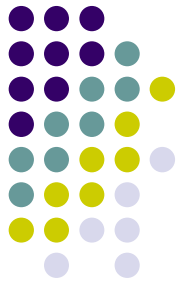
, 가



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100	300	- , ' ('), , ' , ' ,	-
	300	- . . . 3 , , ' ,	- () 7
30	-	- 30	-
30	-	- 30	-
29	-	-	- , 29 가

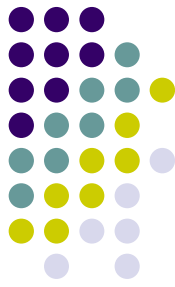
. , . ,



제 호			
의료기관계설허가증			
	명 칭	종 류	
의료기관	소재지		
	진료과목		
	성명(법인명)	주민등록번호	
개 설 자	주소(소재지)		
	면허종별	면허번호	제 호
규 모	입 원 실	실 병 상	병상
의료법 제30조제4항 및 동법시행규칙 제23조제3항의 규정에 따라 의료기 관의 계설을 허가합니다.			
년 월 일			
특별시장 [] 광역시장 [인] 도 지 사 []			

190mm×260mm(보존용지(1급) 220g/㎡)





()

● 2 (,) 7 2 :

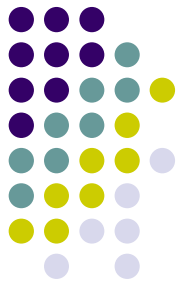
● : 가 , 가

● : 가 ,
6 2 , 3
2 8

● : 가 ,

● : 가 , 1,2,3

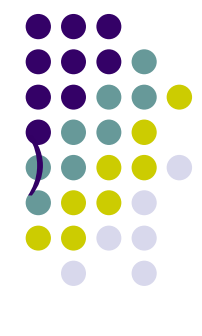
● : 가 , 1,2,3,4



OECD Health Data

- 가 (available bed)
 - 가 ,
 - 가 (occupied) (unoccupied)
 - 가 (nursing homes) 가
 - 가 (surgical tables), (recovery trolleys), (delivery beds), (cots for normal neonates), (emergency stretchers/bed)

- (acute care beds)
 - , ,
 - (day care)
 - , 1980 30
 - 18
 - (Long - term care beds) 가
 - ()



(

3 1

•

OECD

가 (available bed)
가

•

•

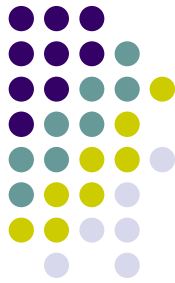
, , , , , , , , ,
(24) , . . .

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		()	
	(. .)	()	가
	()	:	
	: , , : :	: . . ,	: .
	가		DB 가
	12 ()	5 ()	()



가

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가

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Surveillance

: 1

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가 .

●

●

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●

가

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가

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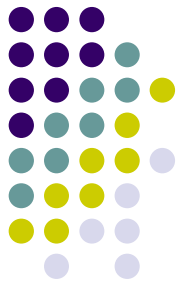


()

(A)		282	117,323	863	123,579	117	13,934	24,491	91,702	158	338	25,911	346,876
		62	30,711	121	11,929	6	801	6,283	15,863	51	0	6,523	59,304
		26	10,851	75	11,531	7	751	2,014	5,469	12	10	2,134	28,612
		12	6,074	60	6,855	7	720	1,321	3,400	5	0	1,405	17,049
		13	5,588	30	3,123	3	553	1,221	7,907	4	30	1,271	17,201
		43	17,015	159	21,485	21	3,412	4,763	21,929	29	263	5,015	64,104
(B)		283	113,017	857	122,978	113	13,429	24,301	95,843	-	-	25,554	345,267
		62	29,494	120	11,660	6	787	6,122	16,890	-	-	6,310	58,831
		26	10,252	74	11,295	7	844	2,021	6,379	-	-	2,128	28,770
		12	5,867	61	6,680	7	692	1,319	3,769	-	-	1,399	17,008
		13	5,432	31	3,141	3	548	1,200	7,873	-	-	1,247	16,994
	43	16,843	159	21,254	19	3,108	4,751	22,629	-	-	4,972	63,834	
A - B		- 1	4,306	6	601	4	505	190	- 4,141	158	338	357	1,609

•2004 12

, 1,609



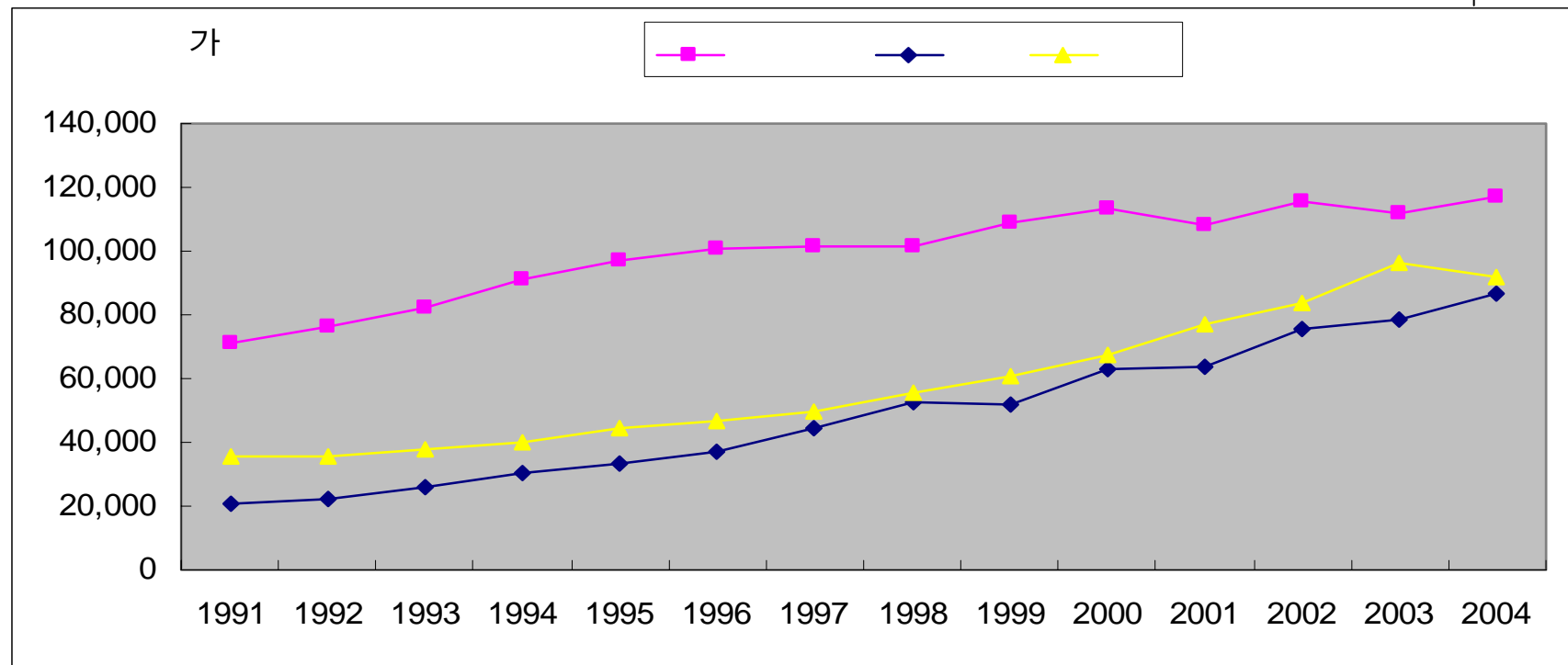
('05)

		(%)	가	(%)	
	42	0.1	36,756	9.8	0.8
	249	0.5	84,058	22.4	1.7
	909	1.8	127,801	34.0	2.6
	25,166	51.2	93,575	24.9	1.9
	26,366	53.6	342,190	91.0	7.0
	203	0.4	24,171	6.4	0.5
	124	0.3	186	0.0	0.0
	12,548	25.5	24	0.0	0.0
	149	0.3	8,526	2.3	0.2
	9,761	19.9	937	0.2	0.0
	49,151	100.0	376,034	100.0	7.7

17 , 491



('91 ~ '04)



가								
%	2.0	7.2	5.3	5.8	5.0	12.6	6.9	7.7

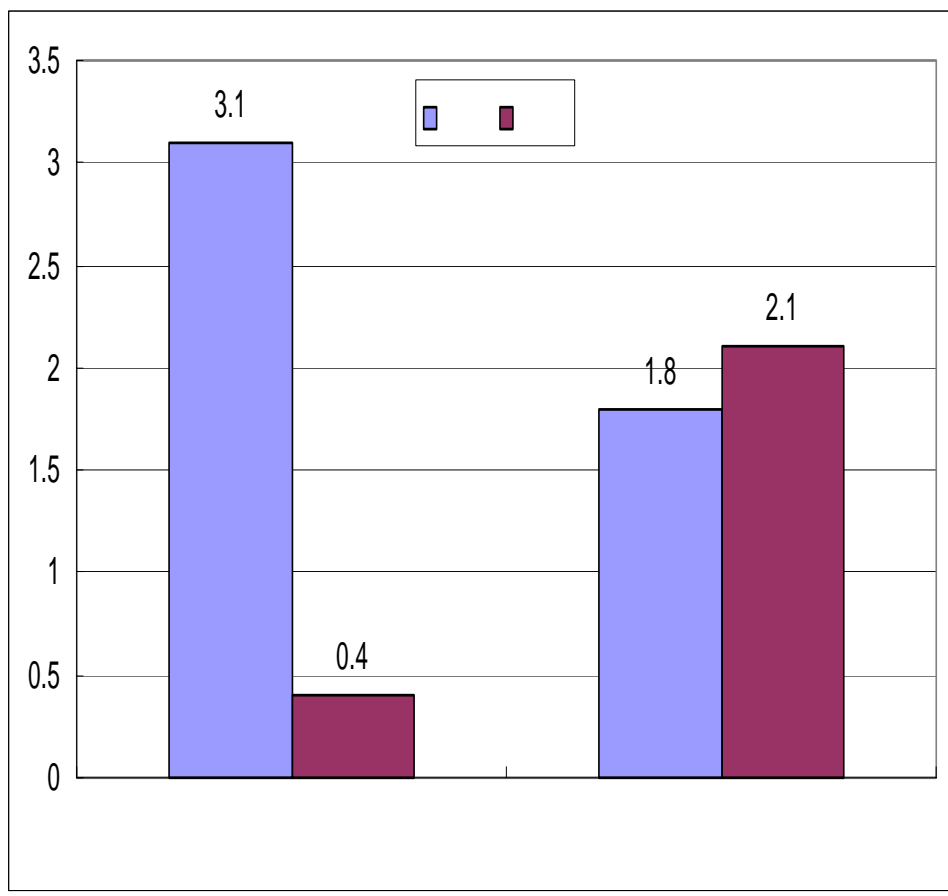
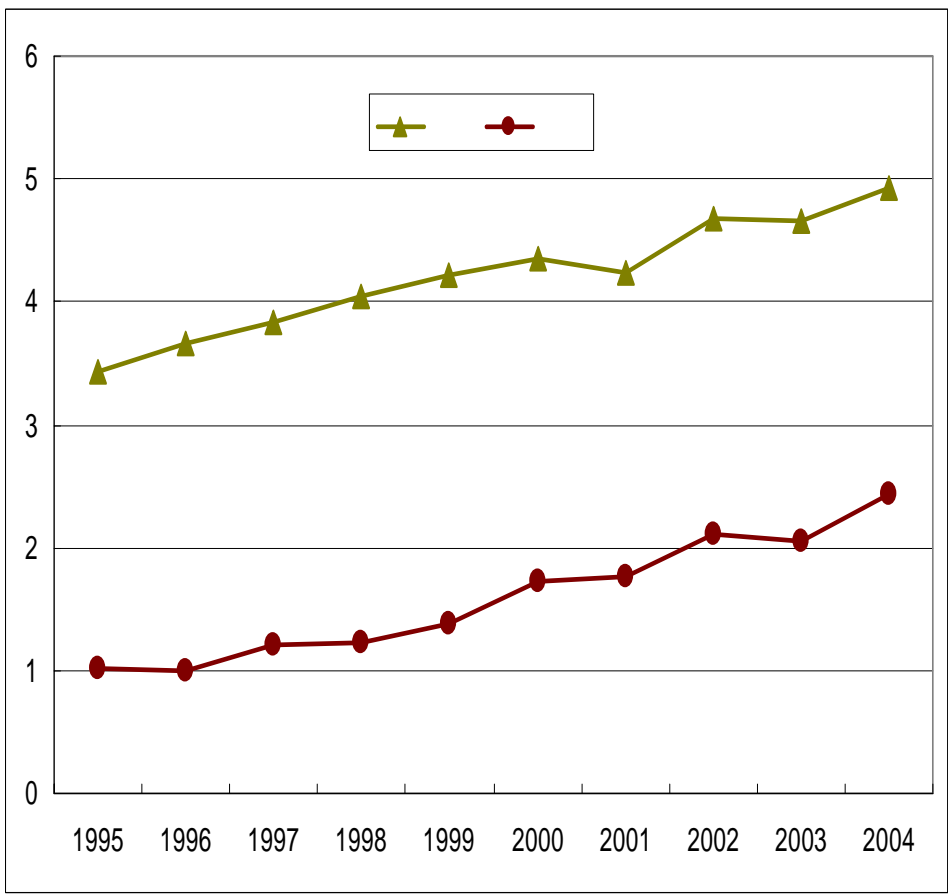
가 5.6%

:

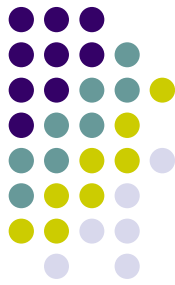




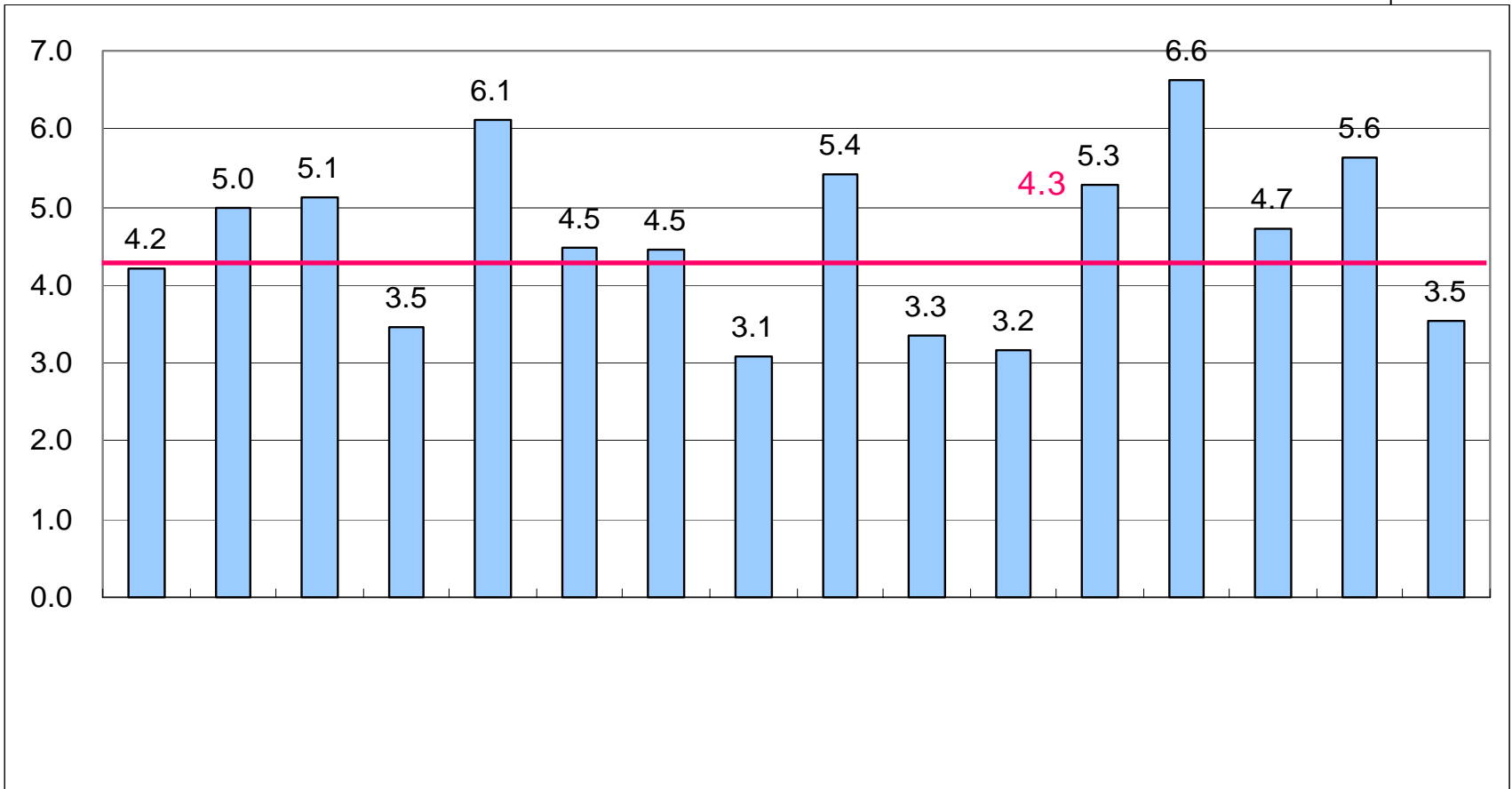
('91 ~ '04)

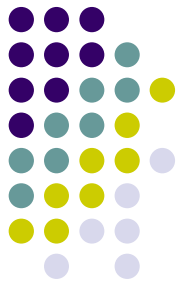


:



('05)





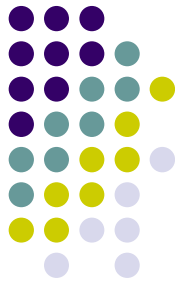
('05)

				18,334				9,492
- 29				6,626				254
30 - 49			115	182	23	61		1
50 - 99			351	23	80	79		
100 - 299		119	343		94	8		
300 - 499	2	70	55		5	1		
500 - 699	7	40	14		1			
700 - 899	12	14	1					
900+	21	5	3					
	42	248	882	25,165	203	149		9,747

, 가

:

()

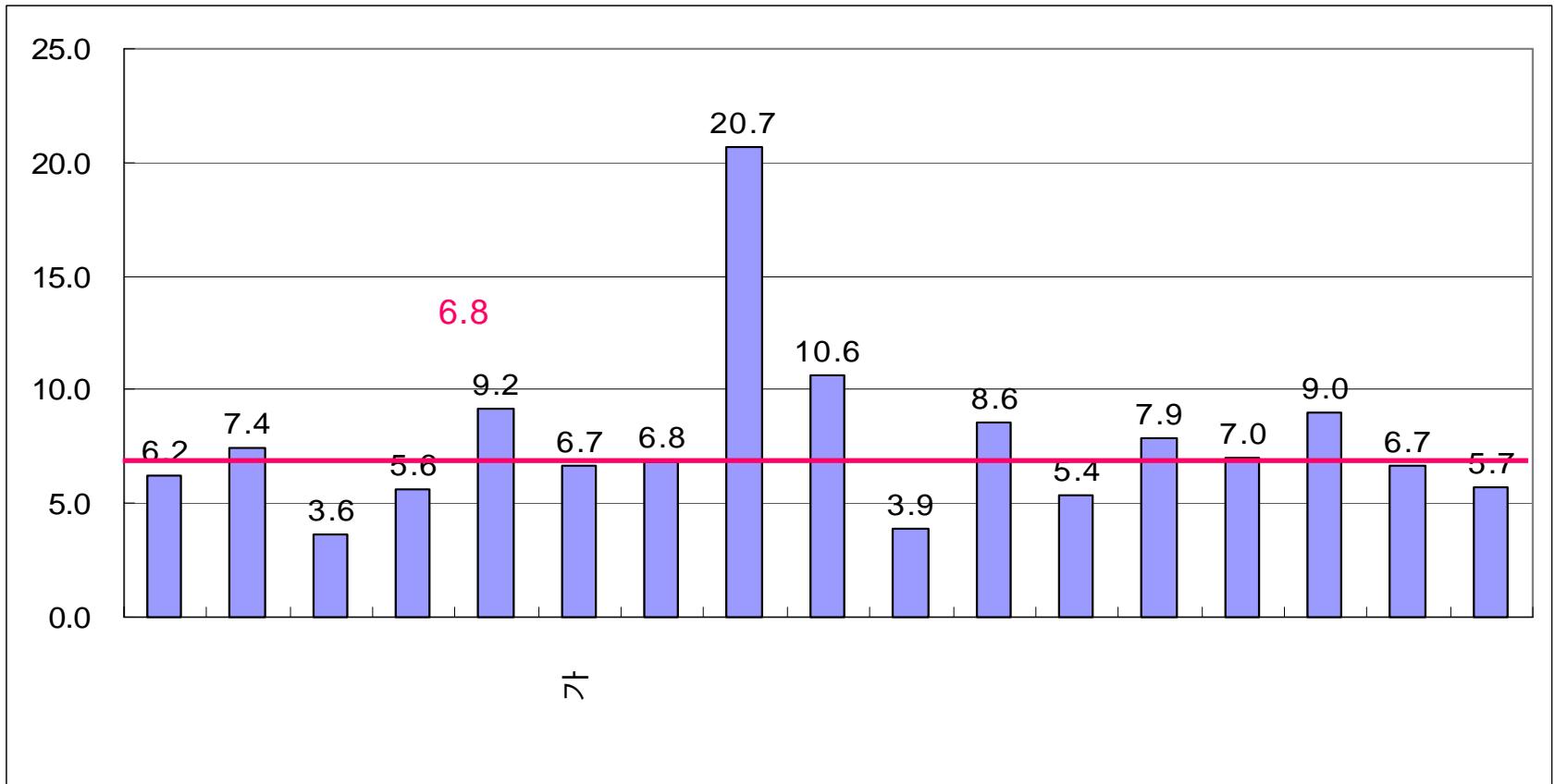


()		가
, ()		
()		
	1	
(, , , ,)		

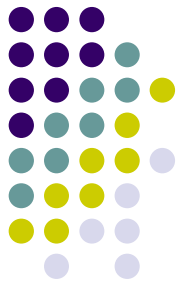
,



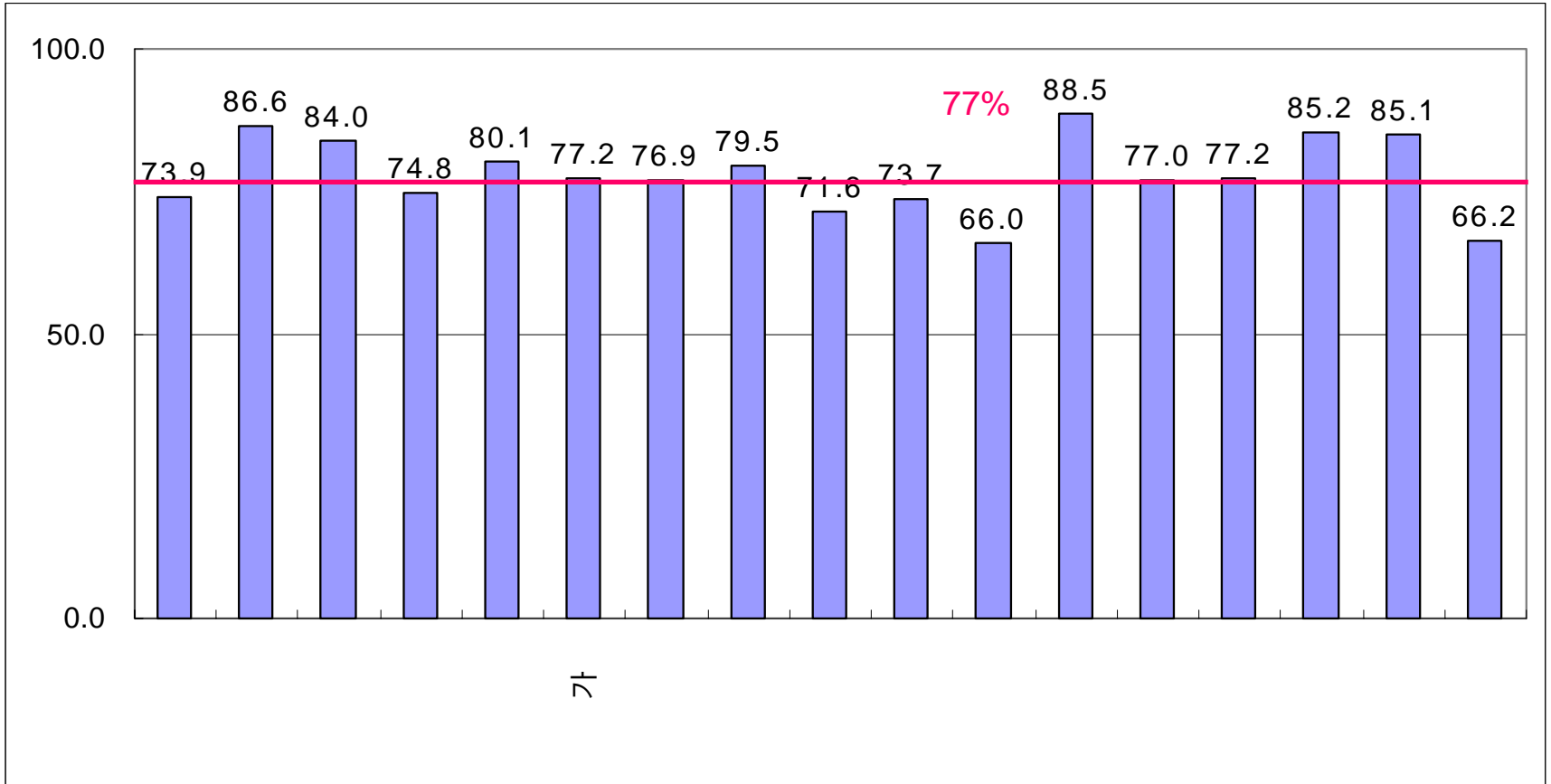
● OECD 가 ('03)



: OECD Health Data



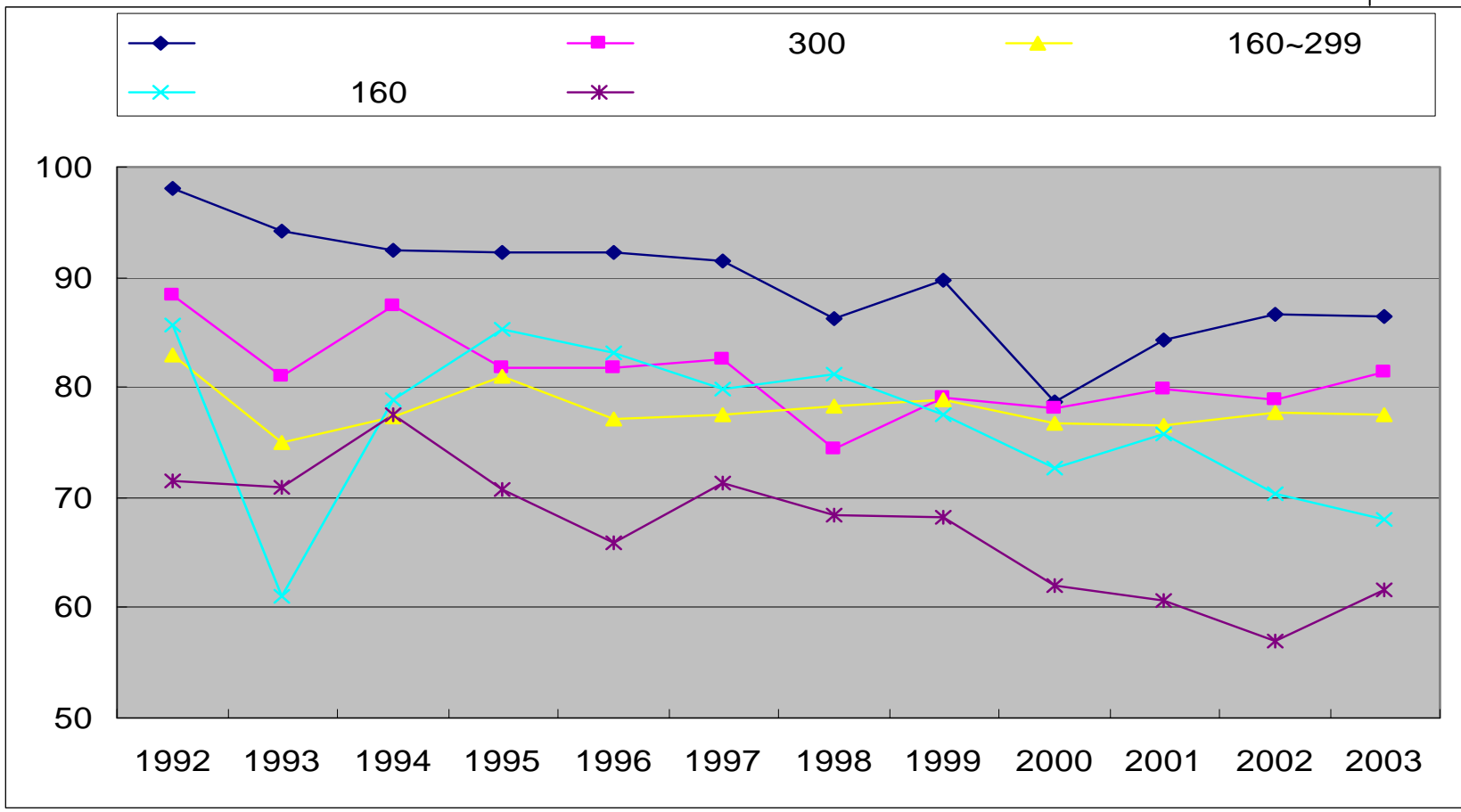
● OECD 가 ('03)



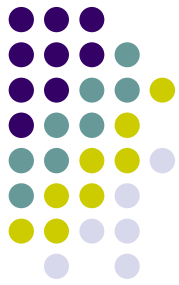
: OECD Health Data



('92 ~ '03)



:



가 : '98 3.7% '02 9.5%

●

●

6 (6.5%), 87 (93.5%)

●

- 100 68 (73.1%)
- 100~300 22 (23.7%)
- 300 3 (3.2%)



-

● ('05)

● ()

● : 182,082 200,189

● : 212,522

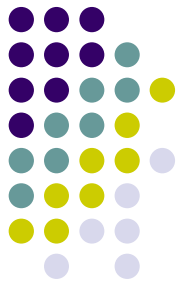
● : 12,333 30,440 (5.8~14.3%)

●

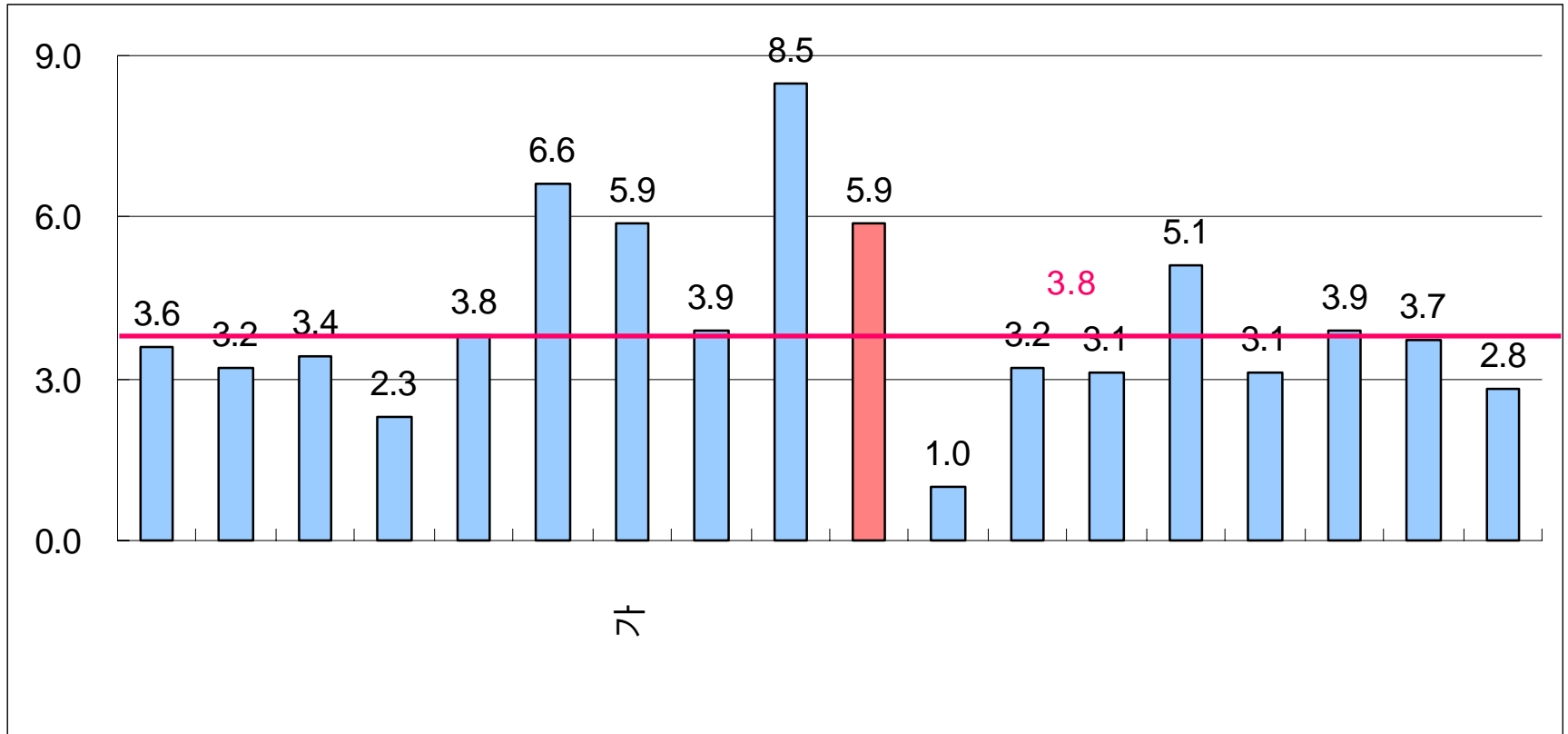
● : 32,770 , 77,257

● : 24,755 , 10,103

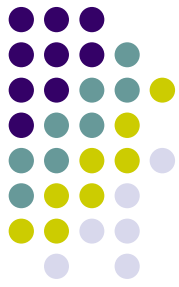
● : 8,015 , 67,154



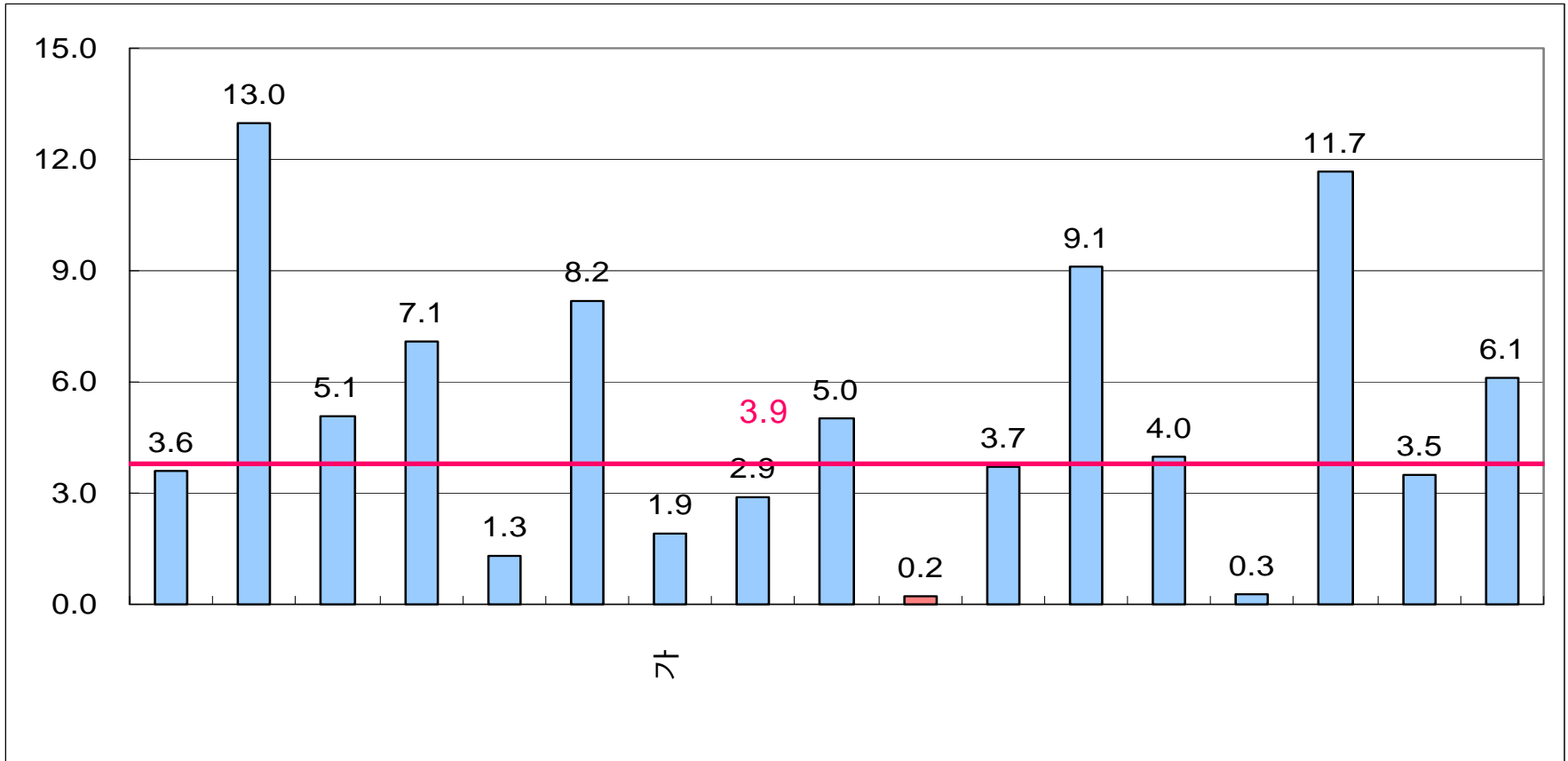
● OECD 가 ('03)



: OECD Health Data



● OECD 가 ('03)



: OECD Health Data





가 (,) (5 10 (WHO)

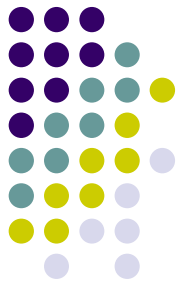
● Geographical distance



(Hill - Burton Act, 1946)

(Shannon et al., 1969)

가

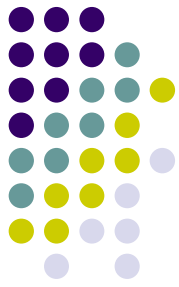


- Geopolitical boundaries

- (, ,)
-
- , ,
- : 가 .
- : 가 가

- Patient origin

-
- ,
- Griffith(1972) RI CI(Griffith's Index)



- RI(: Relevance Index)

-

-

가

- $RI_{ji} = \frac{U_{ji}}{U_j}$

- CI(: Commitment Index)

-

-

가

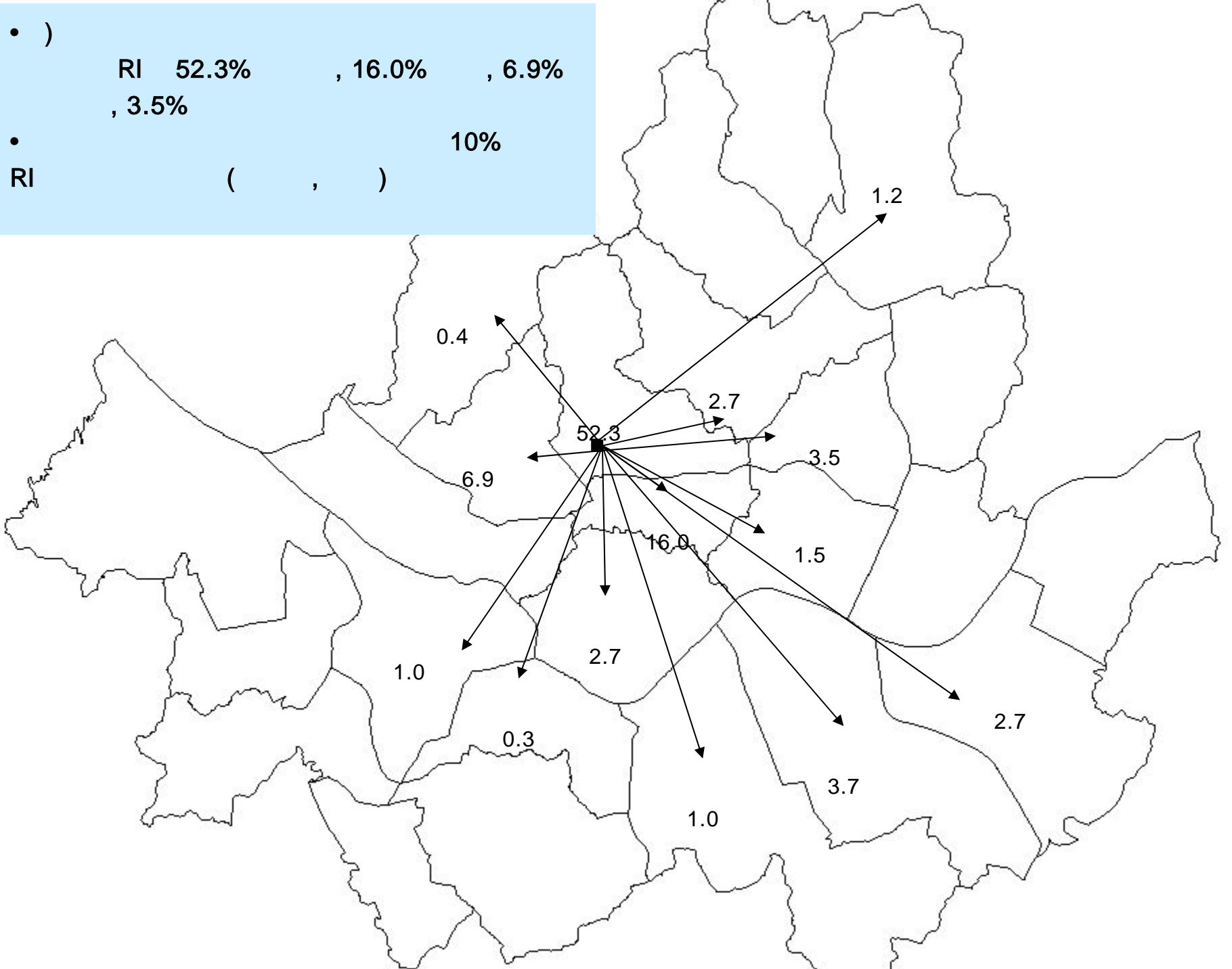
- $CI_{ji} = \frac{U_{ji}}{U_j}$

•)

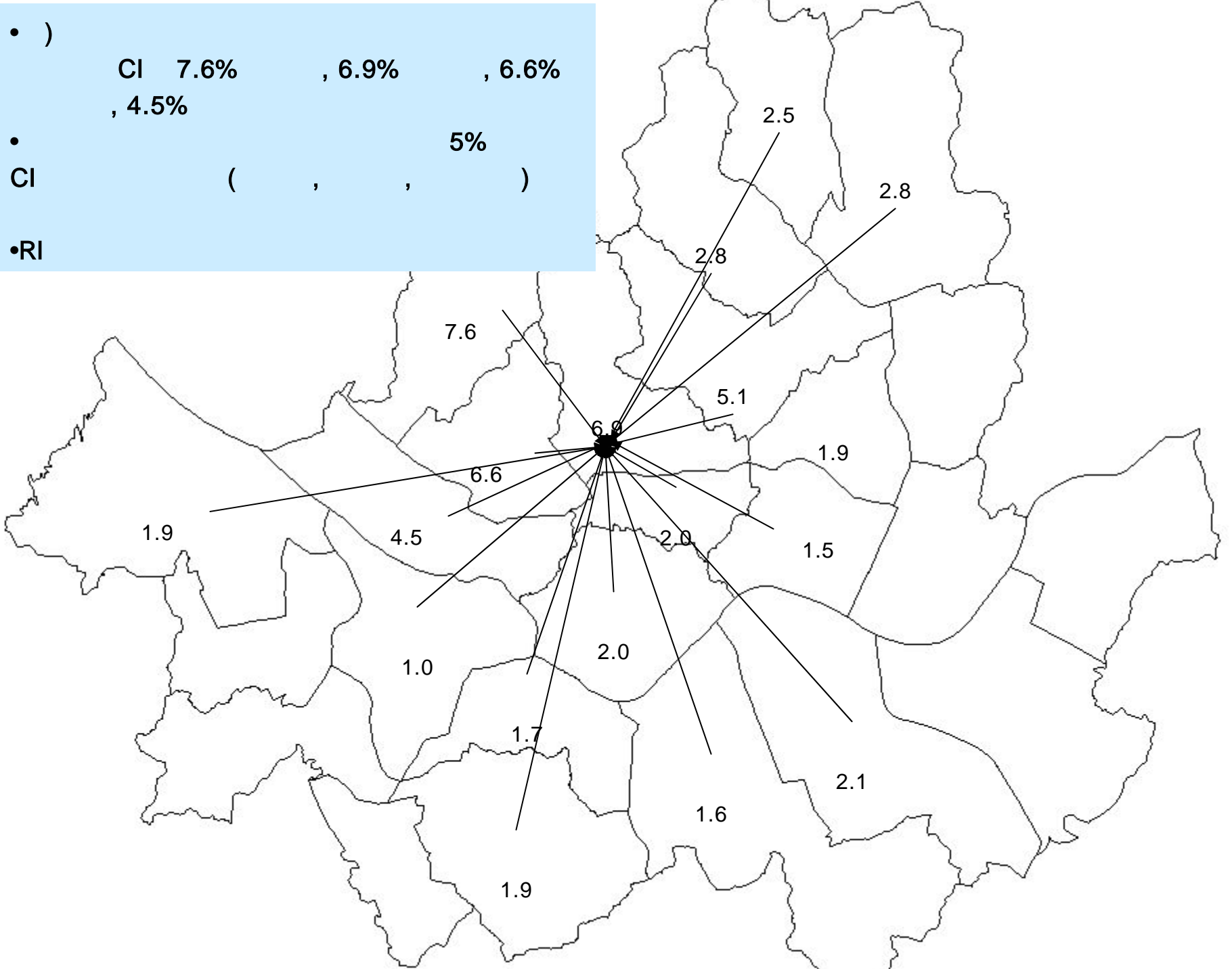
RI 52.3% , 16.0% , 6.9%
, 3.5%

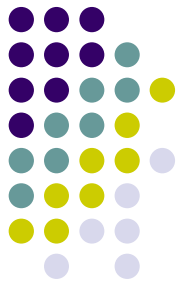
• 10%

RI (,)



-) CI 7.6% , 6.9% , 6.6% , 4.5%
- CI (, ,) 5%
- RI





- $DBED_j = \frac{TBD_j}{(365) \times BO} \times \frac{RI_j}{CI_j}$

- $DBED_j$: j

- TBD_j :

(1 ×)

- BO :

- RI_j :

- CI_j :



- 가 :
 - 가
- 가 :
 - (÷)
 - . . , . . ,
 - 1
- 가 :
 - ,
- RI CI
 - 가 :
 - 가
 -



-
-
-
-
-

() 가



- 가 50 500
- ; 1
- 1 : 1.159
- 70%,
- 1 : 85.0%(
- 2 : 81.3%(2003
- 300)
- RI CI
- 1 : 가
- 2 :
- 3 :

	RI	CI
1996	22.6	74.8
1999	14.4	72.5
2002	18.2	71.3
2004	17.4	69.0

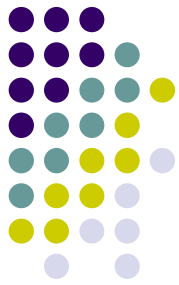
$$(500,000 \times 1.159 \times 17.4) \div (365 \times 0.85 \times 69.0) = 471$$



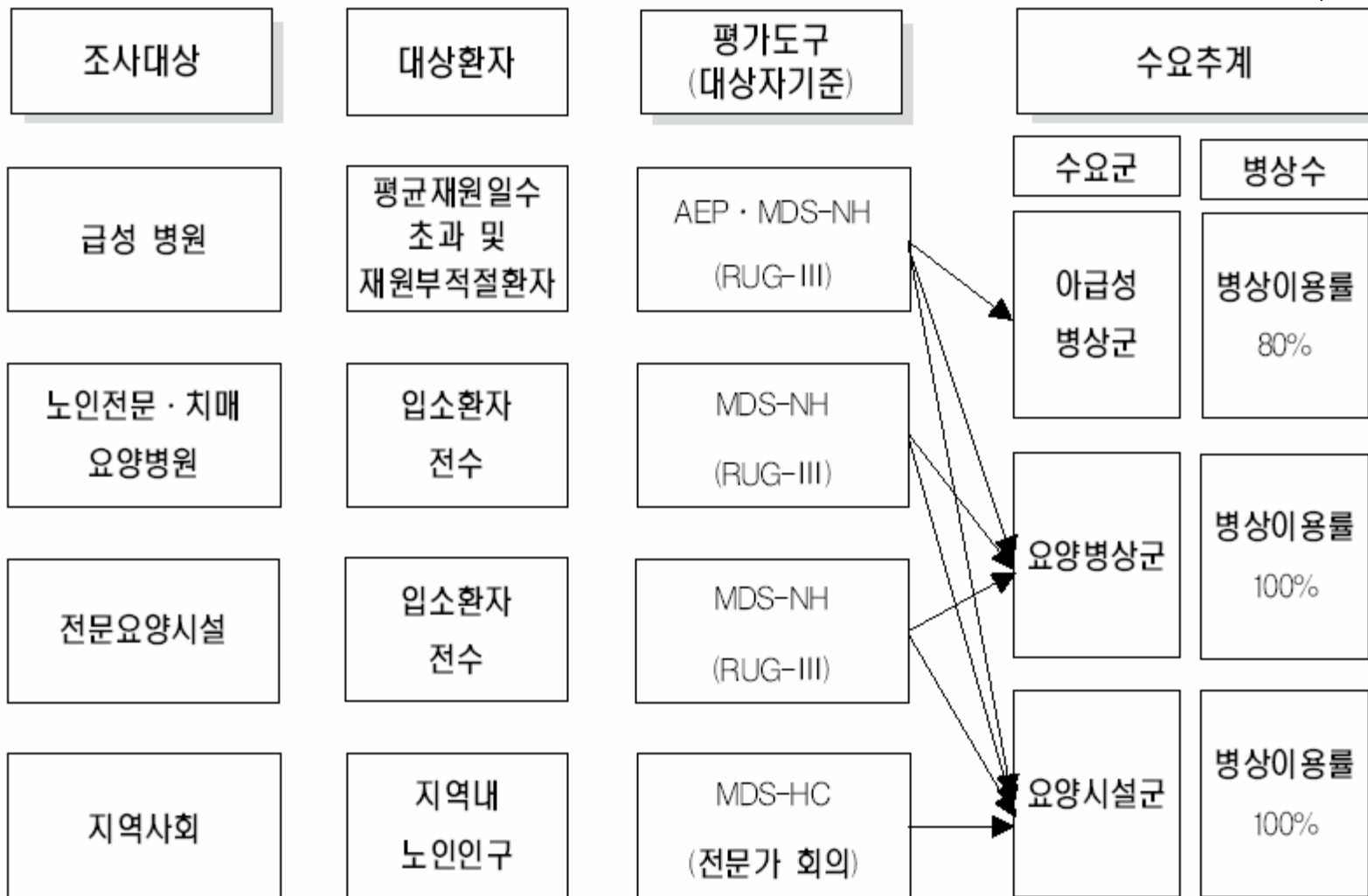
()

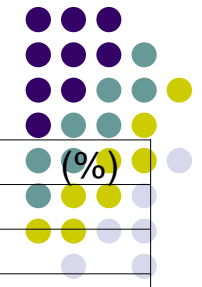
- , ,
- , ,
- 가

가 ()

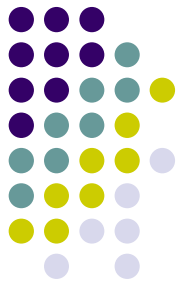


		<ul style="list-style-type: none"> - (post-acute care) - RUG- 1 ~ 26(rehabilitation, extensive special care, special care, clinically complex) 가 30 -
		<ul style="list-style-type: none"> - (Nursing + Rehabilitative + Medical Care) - 가 30 - , 가 , 가 - RUG- 1 ~ 26(rehabilitation, extensive special care, special care, clinically complex) - , 40
		<ul style="list-style-type: none"> - (Personal + Nursing care) - RUG- 27 ~ 43(cognitive impairment, behavioral problem, physical function) (ADL) - , (RUG- 45) 40





				(%)	
			3.31		
			5.12		
			1.65		
			2.61		
			1.78		
			0.95		
			2.00		
			1.81		
			0.54		
300			1.72		
			2.15		
			-		
			2.32		
			2.32		
			2.03		
			4.96		
			1.24		
			5.27		
300			7.40		
			4.67		
			1.95		
			6.27		
			1.96		
			1.96		
			13.44		
			4.20		
			0.42		



● (, ,)

	(%)	(%)
	45.65	16.45
	54.35	83.55

● ()

	(%)	(%)	(%)
65 ~ 75	-	-	1.89
75	2.57	2.21	5.82



(1997)



-
- 1977
-
- 1989
-
- 1997

가.

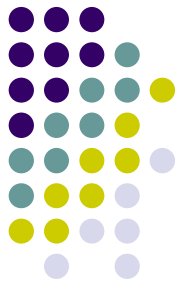
)

() ,

(

가

(1997)



● (efficiency) , (distribution) (quality),



● 21

(1998) :



(2002) :



(2002) :





가, 가

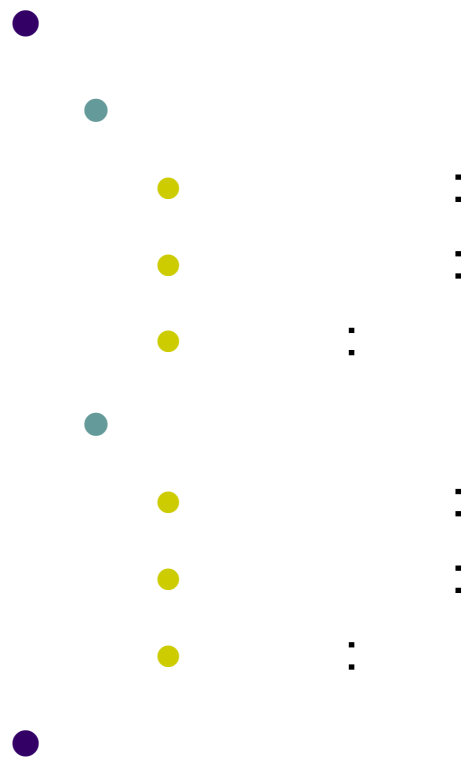
가 : 가

가 (1985 ,

2000) (1988 , 1994

) (1976 , 1993

)



가

DB

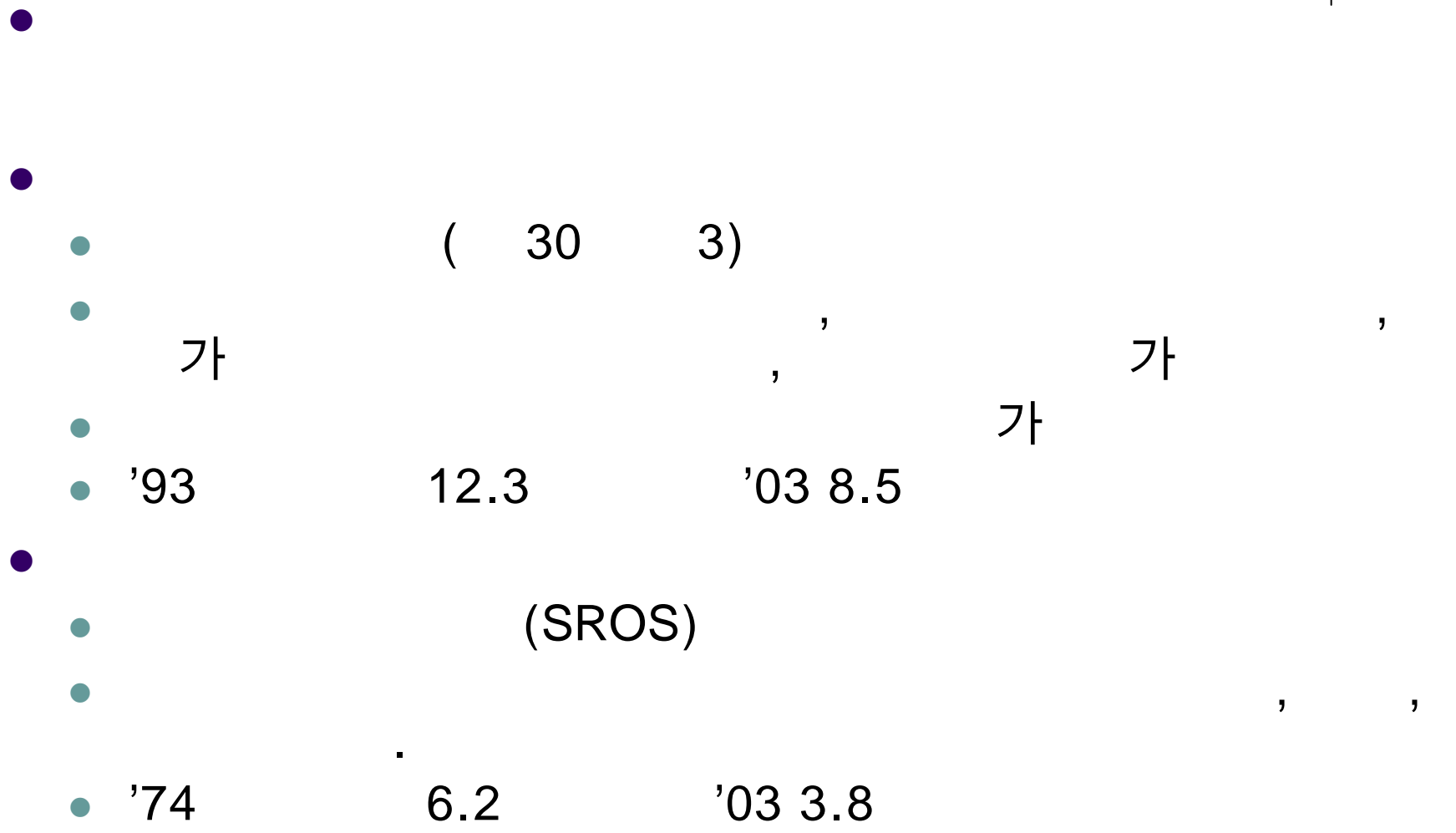
가
()

(Quality Control)

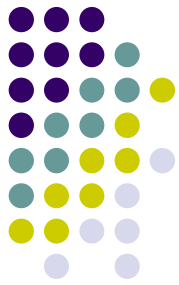


- - , 가
 - 가
- - 가 가 가 가
 - 가 가 가 가
 -





CON(Certificate of Need)



-
-
- 1974 National Health Planning and Resources Development Act
- :
- (CON)
- '70 . '03 2.8
-



- 1986
- 37

Rank (no. of svcs. x weight)	Categories	Acute Care	Air Ambulance	Amb Surg Ctr	Burn Care	Business Cmpnts	Cardiac Cath.	CT Scanners	Gamma Knives	Home Hlth	ICU/IMR	Lithotripsy	Long Term Care	Med Off Bldg	Mobile Hl Tech	MRI Scans	Neonatal Care	Obstetric Svcs	Open Heart Svcs	Organ Transplant	PET Scans	Psychiatric Svcs	Rad Therapy	Rehab	Renal Dialysis	Res Care Fac	Subacute	Substance Abuse	Surg Bldgs	Ultra-sound	Other (Items not otherwise covered)	Count (no. of svcs.)	compiled by Thomas R. Piper Missouri CGN program Jefferson City, MO 573-751-6403			
																																	8 mgng hrs/hosp			
																																	Reviewability Thresholds			
Capital	Med Exp	New Svc	Weight																																	
28.8	Connecticut																															24	1,000,000	400,000	0	1.2
26.0	Alaska																														Assisted living	26	1,000,000	1,000,000	1,000,000	1.0
22.5	Vermont																															25	3,071,594	1,000,000	500,000	0.9
21.6	Maine																															24	2,400,000	1,200,000	110,000	0.9
20.9	Georgia																															19	1,250,199	694,556	any	1.1
20.7	West Virginia																															23	2,000,000	2,000,000	23 svcs	0.9
20.0	South Carolina																															20	2,000,000	600,000	1,000,000	1.0
18.4	North Carolina																															23	2,000,000	750,000	n/a	0.8
17.0	Mississippi																															17	2,000,000	1,500,000	any	1.0
16.8	Tennessee																															21	2,000,000	1,500,000	any beds	0.8
16.1	Dist. of Columbia																															23	2,500,000	1,500,000	600,000	0.7
16.0	Kentucky																															20	1,951,612	1,951,612	n/a	0.8
15.2	Rhode Island																															19	2,000,000	1,000,000	750,000	0.8
15.0	New York																															25	3,000,000	3,000,000	any	0.6
15.0	Hawaii																															25	4,000,000	1,000,000	any	0.6
14.4	Maryland																															16	1,600,000	n/a	any	0.9
14.4	Michigan																															18	2,500,000	any	any dir.	0.8
12.8	Washington																															16	var. by svc.	n/a	any	0.8
12.6	New Hampshire																															14	1,952,870	400,000	any	0.9
12.1	New Jersey																															11	1,000,000	1,000,000	any	1.1
11.9	Illinois																															17	6,543,050	6,293,090	any	0.7
10.8	Alabama																															18	4,108,000	2,054,000	any	0.6
10.4	Missouri																															13	0.6M/1.0M	0.4M/1.0M	1,000,000	0.8
8.1	Iowa																															9	1,500,000	1,500,000	500,000	0.9
8.0	Virginia																															20	5,000,000	n/a	n/a	0.4
7.0	Oklahoma																															5	500,000	n/a	any beds	1.4
6.3	Montana																															7	1,500,000	n/a	150,000	0.9
6.3	Florida																															9	none	none	none	0.7
6.0	Arkansas																															5	500,000	n/a	n/a	1.2
4.8	Massachusetts																															16	10,392,634	651,209	all	0.3
4.8	Delaware																															8	5,000,000	5,000,000	n/a	0.6
4.4	Wisconsin																															4	1,000,000	600,000	any LTC	1.1
3.5	Nevada																															7	2,000,000	n/a	n/a	0.5
2.4	Oregon																															2	any LTC/hr	n/a	LTC/hsp	1.2
0.5	Ohio																															1	2M renov	n/a	n/a	0.5
0.4	Nebraska																															2	n/a	n/a	LTC > 10%	0.2
0.4	Louisiana																															2	n/a	n/a	LTC/WR	0.2

Disclaimer: Rank order relates to number of times reviewed, NOT Necessity of analysis or conclusions which are based on Criteria and Standards and decisions

Source: Cynaland October 31, 2004, using email records; information available

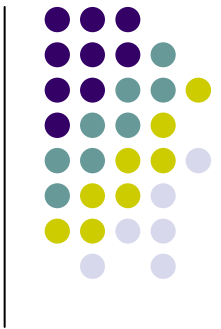


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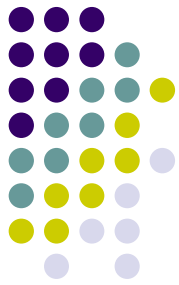
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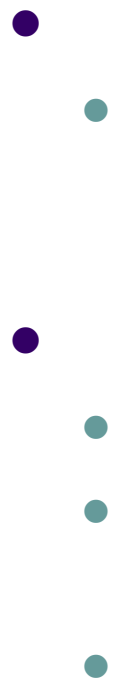
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