

Recognition and Attitude to Implementation of Service Area Assigned System of Public Health Programs among the Health Officer

Mi-Soon Kim, Moo-Sik Lee^{1)*}, Nam-Song Kim²⁾

Graduate School of Health & Environment, Wonkwang University

Department of Preventive Medicine, College of Medicine, Konyang University¹⁾

Department of Preventive Medicine, College of Medicine, Wonkwang University²⁾

= ABSTRACT =

Since medical clients and the community they live in are expected to be center of future public health and medical care system, new service programs must be developed with patients focused on in line with widening public access of information and social participation. Patients-focused service shall mean the area-oriented provision of public health service.

In this study, health officers working at public health centers, public health sub-centers and medical offices in Jeonbuk-do area were taken for population in order to investigate their attitudes toward and knowledge about the service area assigning system under the public health programs.

Findings from the survey to 260 health officers, divided by general category, are as follows:

Government officers at public health organizations appeared to have high grade of understanding to the service area assigning system and also great appreciation for the necessity of it. Regarding the timing for the system to be introduced, they support the gradual implementation and, as for the type of service to be provided, they preferred home nursing and treatment of chronic diseases.

Highly positive responses were centered on the health classes under the health promotion projects, and as far as health projects for the old are concerned, services for home nursing, for the disabled and for home-alone people are favored most. On the other hand, budgeting, manpower and

reorganization are rated as prerequisite to establishment of the service area assigning system. From the viewpoint of system side, the improvement of working conditions is rendered as most urgent, while the information system for establishing the service area assigning system is conceived far from satisfactory. Proper assignment of specialists was noted as mostly important to establish the delivery system for medical service through the service area assigning system by team.

As merits of the service area assigning system, it is pointed out that, through the system, health clients can better be managed and the nursing quality will be improved thank to the enhanced specialization. It is also perceived that the district health service is not well prepared to respond to the increased and diversified needs of community people and, furthermore, service programs of health centers have not been fully developed. The most serious problem standing in the way to expansion of health projects is, it is noted, uniformity (formality) of the project.

Based on the results of the survey which suggest time has ripen to introduce the service area assigning system, following strategies are proposed to anchor down the system as soon as possible:

First, we should introduce the system gradually, starting from the area selected, and in consideration of area specialities, refraining from the hitherto stereotyped way of providing health service.

Second, we should seek to properly assign the specialists and improve the working conditions of the assigned officers by securing sufficient budget, since it is a most urgent step to lay foundation for the service area assigning system.

Third, best service program should be developed to meet the satisfaction of community people by responding to their needs and solidifying the management of medical clients.

Fourth, wide scope of study should further be conducted in order to help this system take roots in the central living of community residents since pilot project on the experimental base attended by specialists only can not win popularity among the masses.

KEY WORDS : Service area assigning system, Recognition and attitude, Public health programs, Health officer

“ 2010” (2010 Task Force, 1998) 가, 21 가 가

가 251 (96.5%) 9
 (3.5%) 34 (27.2%), 34 (26.2%)
 7 (77.8%), 15 84 (64.6%)
 2 (22.2%) 가 97 (38.6%) 46 (35.4%) , 16
 79 (31.5%), 63 (29.9%) 78 (60.0%) 52
 (p<0.01), (40.0%) (p<0.01).
 8 (88.9%) 1 (11.1%) 5
 , 135 가 56 (41.5%), 48 (35.6%),
 (53.8%) 116 (46.2%) 31 (23.0%) , 6
 (p<0.05). 가 66 (52.8%) 34 (27.2%),
 194 (74.6%) 25 (20.0%) 5
 66 (25.4%) , 85 (63.0%) 50
 가 46 (69.7%) 19 (37.0%) , 6 86
 (28.8%), 1 (1.5%) , (68.8%) 39 (31.2%)
 가 96 (49.5%) 63 5 7 가 107 (79.3%)
 (32.5%), 35 (18.0%) 6 28 (20.7%) , 6
 64 (97.0%) 7 가 66 (52.8%) 6 59
 2 (3.0%) , (47.2%) (p<0.01).
 134 (69.1%) 60 (30.9%)
 , 7 가 가 37 (74.0%) 9 (18.0%),
 60 (90.9%) 6 6 (9.1%) 4 (8.0%) 가
 , 7 가 113 88 (41.9%) 82 (39.4%),
 (58.2%) 6 81 (41.8%) 77 (36.7%) ,
 (p<0.01). 가 (p<0.01).
 15 가 130 34 (68.0%) 16 (32.0%)
 (50.0%) , 5 135 108 (51.4%)
 (51.9%), 6 25 (48.1%) 102 (48.6%)
 , 32 (31.5%), (p<0.05)(2).
 81 (31.2%), 97 (37.3%)
 , 136
 (52.3%) 124 (47.7%) 가 65
 (p<0.01). (98.5%) 182 (94.3%)
 15 , 가
 가 63 (48.5%) , 48 (64.6%), 78 (96.3%) 93 (95.9%), 76
 28 (21.5%) . 16 (93.8%) 가

2. , : (%)

							6	7
	260(100.0)	82(31.5)	81(31.2)	97(37.3)	136(52.3)	124(47.7)	52(33.5)	173(66.5)
	41.6±6.3							
40	132(50.8)	47(35.6)	29(22.0)	56(42.4)**	85(64.4)	47(35.6)**	46(34.8)	86(65.2)
41	128(49.2)	35(27.3)	52(40.6)	41(32.0)	51(39.8)	77(60.2)	41(32.0)	87(68.0)
	9(3.5)	7(77.8)	2(22.2)	- **	1(11.1)	8(88.9)*	5(55.6)	4(44.4)
	251(96.5)	75(29.9)	79(31.5)	97(38.6)	135(53.8)	116(46.2)	82(32.7)	169(67.3)
	66(25.4)	19(28.8)	46(69.7)	1(1.5)**	2(3.0)	64(97.0)**	6(9.1)	60(90.9)**
	194(74.6)	63(32.5)	35(18.0)	96(49.5)	134(69.1)	60(30.9)	81(41.8)	113(58.2)
	184.2±79.1							
15	130(50.0)	48(35.6)	28(21.5)	63(48.5)**	84(64.6)	46(35.4)**	48(36.9)	82(63.1)
16	130(50.0)	34(27.2)	53(40.8)	34(26.2)	52(40.0)	78(60.0)	39(30.0)	91(70.0)
	88.7±85.8							
5	135(51.9)	48(35.6)	56(41.5)	31(23.0)**	50(37.0)	85(63.0)**	28(20.7)	107(79.0)**
6	125(48.1)	34(27.2)	25(20.0)	66(52.8)	86(68.8)	39(31.2)	59(47.2)	66(52.8)
	50(19.2)	37(74.0)	4(8.0)	9(18.0)**	34(68.0)	16(32.0)*	12(24.0)	38(76.0)
	210(80.08)	82(39.4)	77(36.7)	88(41.9)	102(48.6)	108(51.4)	75(35.7)	135(64.3)

) **p<0.01, * p<0.05 ²-

가 , (4).
 6 86 (98.9%)
 7 가 161 (93.6%) 가 (p<0.01)(3). 2-3 (48.4%) 가
 , 3-5 69 (27.4%), 5 42
 가 . 222 (85.4%) (16.7%)
 , 38 (14.6%) . 가 144 (56.3) . 112 (43.8%)

3.

: (%)

	1)			
	247 (95.0)	121 (49.0)	85 (34.4)	41 (16.6)
40	126 (96.2)	63 (50.0)	41 (32.5)	22 (17.5)
41	121 (94.5)	58 (47.9)	44 (36.4)	19 (15.7)
	65 (98.5)	37 (56.9)	19 (29.2)	9 (13.8)
	182 (94.3)	84 (46.2)	66 (36.3)	32 (17.5)
15	120 (93.0)	54 (45.0)	44 (32.6)	22 (18.3)
16	127 (97.7)	67 (52.8)	41 (36.4)	19 (15.0)
5	129 (95.6)	67 (51.9)	42 (32.6)	20 (15.5)
6	118 (95.2)	54 (45.8)	43 (36.4)	21 (17.8)
	47 (94.0)	23 (48.9)	17 (36.2)	8 (14.9)
	200 (95.7)	98 (49.0)	68 (34.0)	33 (17.0)
	76 (93.8)	45 (59.2)	24 (31.6)	7 (9.2)**
	78 (96.3)	41 (52.6)	21 (26.9)	16 (20.5)
	93 (95.9)	35 (37.6)	40 (43.0)	18 (19.4)
	11 (4.5)	6 (5.0)	3 (3.5)	-
	127 (94.1)	61 (48.0)	45 (35.4)	21 (16.5)
	120 (96.8)	60 (50.0)	40 (23.3)	20 (16.7)
6	86 (98.9)	34 (39.5)	41 (47.7)	11 (12.8)**
7	161 (93.6)	87 (54.0)	44 (27.3)	30 (18.6)

1)

* p<0.05, ** p<0.01 , 2-

5 , 6 가 78 (62.9%)
 66 (50%) 46 (37.1%) (p<0.05).

4.

: (%)

	260 (100.0)	222 (85.4)	38 (14.6)
40	132 (50.8)	111 (84.1)	21 (15.9)
41	128 (49.2)	111 (86.7)	17 (13.3)
	66 (25.4)	57 (86.4)	9 (13.6)
	194 (74.6)	165 (85.1)	29 (14.9)
15	130 (50.2)	110 (84.6)	20 (15.4)
16	129 (49.8)	112 (86.2)	18 (13.8)
5	135 (51.9)	118 (87.4)	17 (12.6)
6	125 (48.1)	104 (83.2)	21 (16.8)
	50 (19.2)	41 (82.0)	9 (18.0)
	210 (80.8)	181 (86.2)	29 (13.8)
	82 (31.5)	68 (82.9)	14 (17.1)
	81 (31.2)	68 (84.0)	13 (16.0)
	97 (37.3)	86 (88.7)	11 (11.3)
		13 (92.9)	1 (7.1)
	136 (52.3)	118 (86.8)	18 (13.2)
	124 (47.7)	104 (83.9)	20 (16.1)
6	87 (33.5)	76 (87.4)	11 (12.6)
7	173 (66.5)	146 (84.4)	27 (15.6)

가 51 (54.8%), 20 (29.9%), 2-3 44 (31.3%), 3-5 가 25 (31.6%), 21 가 20 (21.5%), 5 가 23 (34.3%), 9

(9.7%), 7 (8.9%)
 (p<0.01).
 2-3 7 가 16 (23.5%) 20(20.6%),
 48 (19.4%) ,
 가 70 (40.5%) 6 20(23%)
 64 (48.9%) 58 (47.9%) (p<0.01).
 , 3-5 38 (31.4%) 7 가 14 (8.1%)
 31 (23.7%) , 5 6 1 (1.1%) (p<0.05)
 22 (18.2%) 20 (15.3%) 51 (53.1%)
 . / 33 (48.5%), 34 (42%)
 63 (51.2%) 49 (36.8%) (p<0.01).
 , / 84 (63.2%) 107 (78.7%)
 60 (48.8%) 81 (65.3%)
 (p<0.05). (p<0.05)(6).
 2-3 7
 가 78 (46.4%) 6 44 (52.4%)
 , 3-5 7 가 50 (29.8%) 193 (74.2%) 가
 6 19 (22.6%) , 5 158 (61%), 143 (55.0%),
 7 가 32 (19.0%) 6 10 122 (46.9%), 69 (26.5%),
 (11.9%) 가 52 (20.1%), 15 (5.8%)
 (p<0.01)(5).
 70 (62.9%)
 188 (50.8%) 65 (47.8%) , 7
 가 132 (50.8%) 가 가 103 (59.5%) 6 40 (46.0%)
 , 125 (48.3%), 90 (p<0.05),
 (34.6%), 78 (30.0%), 62 112 (82.4%) 81
 (23.8%) (65.3%) (p<0.01).
 가 42 가 35
 (43.35) 21 (26.6%), 13 (36.1%) 20 (24.7%), 14
 (19.4%) (p<0.01), (5.4%) (p<0.05).
 50 (37.0%) 28 . 47
 (23%) ,(p< 0.01). (58.0%) 38 (39.2%), 37
 6 34 (39.1%) 7 44 (14.2%) (p<0.05),
 (25.9%) (p<0.05). 71 (57.3%) 51 (37.5%)
 가 16 (p<0.01), 7 가
 (19.8%) 7 (17.6%), 5 89 (51.4%) 6 33 (37.9%)
 (5.2%) (p<0.05), (p<0.05).

5.

: (%)

	1	2-3	3-5	5	/	/
	19 (7.5)	122 (48.4)	69 (27.4)	42 (16.7))	112 (43.8)	144 (56.3)
40	10 (7.9)	61 (48.4)	36 (28.6)	19 (15.1)	58 (44.6)	72 (55.4)
41	9 (7.1)	61 (48.4)	33 (26.2)	23 (18.3)	54 (42.9)	72 (57.1)
	2 (3.1)	34 (53.1)	21 (32.8)	7 (10.9)	33 (50.8)	32 (49.2)
	17 (9.0)	88 (46.8)	48 (25.5)	35 (18.6)	79 (41.4)	112 (58.6)
15	13 (10.7)	57 (46.7)	34 (27.9)	18 (14.8)	54 (42.9)	72 (57.1)
16	6 (4.6)	65 (50.0)	35 (26.9)	24 (18.5)	58 (44.6)	72 (55.4)
5	6 (4.7)	67 (52.3)	38 (29.7)	17 (13.3)	66 (50.0)	66 (50.0)*
6	13 (10.5)	55 (44.4)	31 (25.0)	25 (20.2)	46 (37.1)	78 (62.9)
	2 (4.3)	21 (44.7)	11 (23.4)	13 (27.7)	20 (41.7)	28 (58.3)
	17 (8.3)	101 (49.3)	58 (28.3)	29 (14.1)	92 (44.2)	116 (55.8)
	3 (4.5)	20 (29.9)	21 (31.3)	23 (34.3)**	34 (50.0)	34 (50.0)
	3 (3.8)	44 (55.7)	25 (31.6)	7 (8.9)	39 (48.7)	41 (51.3)
	13 (14.0)	51 (54.8)	20 (21.5)	9 (9.7)	35 (36.8)	60 (63.2)
	-	7 (53.8)	3 (23.1)	3 (23.1)	4 (30.8)	9 (69.2)
	16 (12.2)	64 (48.9)	31 (23.7)	20 (15.3)*	49 (36.8)	84 (63.2)*
	3 (2.5)	58 (47.9)	38 (31.4)	22 (18.2)	63 (51.2)	60 (48.8)
6	11 (13.1)	44 (52.4)	19 (22.6)	10 (11.9)*	33 (38.8)	52 (61.2)
7	8 (4.8)	78 (46.4)	50 (29.8)	32 (19.0)	79 (46.2)	92 (53.8)

) **p<0.01, *p<0.05 , ²- .

6.

: (%)

					6		7	
	78(30.0)	13(19.4)	21(26.6)	42(43.3)**	50(37.0)	28(23.0)**	34(39.1)	44(25.9)*
	35(13.5)	12(17.6)	9(11.1)	13(13.4)	22(16.2)	13(10.5)	9(10.3)	26(15.0)
	32(12.3)	7(10.3)	16(19.8)	5(5.2)*	12(8.8)	20(16.1)	8(9.2)	24(13.9)
	90(34.6)	16(23.5)	48(19.3)	20(20.6)**	30(22.1)	60(48.4)	20(23.0)	70(40.5)**
	17(6.5)	7(10.3)	6(7.4)	3(3.1)	7(5.1)	10(8.1)	3(3.4)	14(8.1)
	62(23.8)	19(27.9)	22(27.2)	16(16.8)	26(19.1)	36(29.9)	19(21.8)	43(24.9)
/	5(1.9)	1(1.5)	2(2.5)	1(1.0)	2(1.5)	3(2.4)	1(1.1)	4(2.3)
	15(5.8)	6(8.8)	8(9.9)	-	6(4.4)	9(7.3)	1(1.1)	14(8.1)*
	1(0.4)	1(1.5)	-	-	-	1(0.8)	1(1.1)	-
	8(3.1)	2(2.9)	1(1.2)	4(4.1)	7(5.5)	1(0.8)	5(5.7)	3(1.7)
	125(48.3)	33(48.5)	34(42.0)	51(53.1)**	69(51.1)	56(45.2)	46(52.9)	79(45.9)
	188(50.8)	55(80.9)	46(56.8)	77(79.4)	107(78.7)	81(65.3)*	68(78.2)	120(69.4)
	132(50.8)	39(57.4)	32(39.5)	59(60.8)	73(53.7)	59(47.6)	47(54.0)	85(49.1)
가	9(3.5)	5(7.4)	2(2.5)	1(1.0)	7(5.1)	2(1.6)	2(2.3)	7(4.0)

) ** p<0.01, * p<0.05, ²- .

7 가 96(55.5%) (57.3%), 85 (32.7%),
 6 62 (72.1%) (p<0.05). 74 (28.5%), 59 (22.7%),
 가 25 23 (8.8%), 8 (3.1%) 가
 (30.9%) 9 (9.4%), 18 .
 (6.9%) (p<0.01). 가 12
 17 (12.6%) 35 (28.2%) (14.8%) 8 (3.1%), 3 (3.1%)
 (p<0.01), 7 , 7 가 20
 가 42 (24.3%) 6 10 (11.6%) (1.6%) 6 3 (3.4%)
 (p>0.05)(7). (p<0.05).
 가 74
 (76.3%) 46 (67.6%), 58
 가 173 (66.5%) 가 , (22.3%) (p<0.01),
 164 (63.3%), 149 100 (73.5%) 73

7.

: (%)

				6			7	
	143(55.0)	49(18.8)	48(59.3)	46(47.4)	65(47.8)	70(62.9)*	40(46.0)	103(59.5)*
	193(74.2)	61(23.5)	53(65.4)	79(81.4)	112(82.4)	81(65.3)**	71(81.6)	122(70.5)
	69(26.5)	14(5.4)	20(24.7)	35(36.1)*	42(30.9)	27(21.8)	28(32.2)	41(23.7)
	15(5.8)	5(1.9)	4(4.9)	6(6.2)	9(6.6)	6(4.8)	3(4.6)	11(6.4)
,	122(46.9)	37(14.2)	47(58.0)	38(39.2)*	51(37.5)	71(57.3)**	33(37.9)	89(51.4)*
	158(61.0)	47(18.1)	45(55.6)	66(68.8)	89(65.9)	69(55.6)	62(72.1)	96(55.5)*
	52(20.1)	18(6.9)	25(30.9)	9(9.4)**	17(12.6)	35(28.2)**	10(11.6)	42(24.3)*
	10(3.8)	2(0.8)	1(1.2)	7(7.2)	7(5.1)	3(2.4)	5(5.7)	5(2.9)

) ** p<0.01, *p<0.05, ²- .

(58.9%) (p<0.05), 6
 66 (75.9%) 7 107 (61.8%) 가 69 (35.5%) 가 , 57
 (p<0.05). (29.4%), 49 (25.3%),
 가 17 (8.8%)
 21 (21.6%) 13 (19.1%), (p<0.05).
 14 (5.4%) , 가 51 (37.5%)
 49 (39.5%) 25 (18.4%) , 가 , 38 (27.9%),
 7 가 60 (34.7%) 6 35 (25.7%), 10 (7.4%)
 14 (16.1%) , 가 48
 (p<0.01)(8). (38.7%) 가 , 31
 (25.0%), 25 (20.2%), 19
 가 86 (33.1%) (25.3%)
 가 , 82 (31.5%), (p<0.05)(9).
 60 (23.1%), 29 (11.2%)
 가 29 (43.9%) 87 (33.5%) 가 ,
 가 , 13 (19.7%), 53 (20.4%),
 12 (18.2%), 11 (16.7%) 40 (18.5%),

8.

							6	7
	23(8.8)	8(3.1)	12(14.8)	3(3.1)*	8(5.9)	15(12.1)	3(3.4)	20(1.6)*
	8(3.1)	3(1.2)	11(1.5)	2(2.1)	2(1.5)	6(4.8)	1(1.1)	7(4.0)
	173(66.5)	58(22.3)	46(67.6)	74(76.3)**	100(73.5)	73(58.9)*	66(75.9)	107(61.8)*
	25(9.6)	10(3.8)	9(13.2)	11(11.3)	17(12.5)	8(6.5)	10(11.5)	15(8.7)
	85(32.7)	28(10.8)	19(27.9)	32(33.30)	41(30.1)	44(35.5)	28(32.2)	57(32.9)
	59(22.7)	14(5.4)	12(17.6)	20(20.6)	26(19.1)	33(26.6)	20(23.0)	39(22.5)
	164(63.3)	50(19.3)	43(63.2)	65(67.7)	90(66.7)	74(59.7)	60(69.3)	104(60.1)
	149(57.3)	50(19.2)	42(61.8)	59(60.8)	85(62.5)	64(51.6)	54(62.1)	95(54.9)
	74(28.5)	14(5.4)	13(19.1)	21(21.6)**	25(18.4)	49(39.5)**	14(16.1)	60(34.7)**
	5(1.9)	1(0.4)	1(1.5)	3(3.1)	4(3.0)	1(0.8)	2(2.3)	3(1.7)

) ** p<0.01, * p<0.05 , ²- .

33 (12.7%), 가 136
 24 (9.2%), 13 (52.3%) 가 ,
 (5.0%) 가 . 56 (21.5%)
 . 34 (13.1%),
 가 31 (11.9%)
 (p<0.01) (10). (12).
 가 130
 (50.2%) 가 , 71
 (27.4%), 37 (14.3%), 가 122 (46.9%) 가
 18 (6.9%), ,
 3 (1.2%) 77 (29.6%),
 (11). 42 (16.2%), 12 (4.6%)
 가 (13).

9.

: (%)

	60 (23.1)	86 (33.1)	29 (11.2)	82 (31.5)	3 (1.2)
40	32 (24.2)	38 (28.8)	12 (9.1)	48 (36.4)	2 (1.5)
41	28 (21.9)	48 (37.5)	17 (13.3)	34 (26.6)	1 (0.8)
	11 (16.7)	29 (43.9)	12 (18.2)	13 (19.7)	1 (1.5)*
	49 (25.3)	57 (29.4)	17 (8.8)	69 (35.5)	2 (1.0)
15	32 (24.6)	40 (30.8)	9 (6.9)	47 (36.2)	2 (1.5)
16	28 (21.5)	46 (35.4)	20 (15.4)	35 (26.9)	1 (0.8)
5	28 (20.7)	47 (34.8)	17 (12.6)	41 (30.4)	2 (1.5)
6	32 (25.6)	39 (31.2)	12 (9.6)	41 (32.8)	1 (0.8)
	15 (30.0)	11 (22.0)	4 (8.0)	20 (40.0)	-
	45 (21.4)	75 (35.7)	25 (11.9)	62 (29.5)	3 (1.4)
	22 (8.5)	22 (8.5)	11 (4.2)	27 (10.4)	-
	17 (21.0)	33 (40.7)	11 (13.6)	19 (23.5)	1 (1.2)
	21 (21.6)	31 (32.0)	7 (7.2)	36 (37.1)	2 (2.1)
	7 (50.0)	4 (28.6)	-	3 (21.4)	-
	35 (25.7)	38 (27.9)	10 (7.4)	51 (37.5)	2 (1.5)*
	25 (20.2)	48 (38.7)	19 (15.3)	31 (25.0)	1 (0.8)
6	22 (25.3)	29 (33.3)	6 (6.9)	28 (32.2)	2 (2.3)
7	38 (22.0)	57 (32.9)	23 (13.3)	54 (31.2)	1 (0.6)

) ** p<0.01, * p<0.05 , ²- .

10.

: (%)

							6	7
	13(5.0)	5(1.9)	1(1.2)	7(7.2)**	10(7.4)	3(2.4)**	6(6.9)	7(4.0)
	40(18.5)	17(6.5)	14(17.3)	17(17.5)	28(20.6)	20(16.1)	18(20.7)	30(17.3)
	33(12.7)	15(5.8)	7(8.6)	11(11.3)	20(16.1)	13(10.5)	10(11.5)	23(13.3)
	87(33.5)	29(11.2)	38(46.9)	20(20.6)	29(21.3)	58(46.8)	20(23.0)	67(35.7)
	24(9.2)	4(1.5)	8(9.9)	12(12.4)	14(10.3)	10(8.1)	10(11.5)	14(8.1)
	53(20.4)	12(4.6)	12(14.8)	29(29.9)	34(25.0)	19(15.3)	22(25.3)	31(17.9)
	2(0.8)	-	1(1.2)	1(1.0)	1(0.7)	1(0.7)	1(1.1)	1(0.6)

) ** p<0.01, * p<0.05, ²-

11.

: (%)

							6	7
	3(1.2)	1(0.4)	1(1.3)	1(1.0)	2(1.5)	1(0.8)	1(1.1)	2(1.2)
	18(6.9)	6(2.3)	4(5.0)	8(8.2)	10(7.4)	8(6.5)	6(6.9)	12(7.0)
	71(27.4)	22(8.5)	25(31.3)	24(24.7)	36(26.5)	35(28.5)	21(24.1)	50(29.1)
	130(50.2)	41(15.8)	37(46.3)	52(53.6)	73(53.7)	57(46.3)	46(52.9)	84(48.8)
	37(14.3)	12(4.6)	13(16.3)	12(12.4)	15(11.0)	22(17.9)	13(14.9)	24(14.0)

) ** p<0.01, * p<0.05, ²-

12.

가

: (%)

							6	7
	31(119)	9(3.5)	11(13.6)	11(11.3)	15(11.0)	16(12.9)	10(11.5)	21(12.1)
	56(215)	21(8.1)	22(27.2)	13(13.4)	21(15.4)	35(28.2)	11(12.6)	45(26.0)
	136(523)	39(15.0)	34(42.0)	63(64.9)	86(63.2)	50(40.3)	56(64.4)	80(46.2)
	34(13.1)	13(5.0)	12(14.8)	9(9.3)	13(9.6)	21(16.9)	9(10.3)	25(14.5)
	3(1.2)	-	2(2.5)	(1.0)	1(0.7)	2(1.6)	1(11.1)	2(1.2)

13.

: (%)

							6	7
	122(46.9)	31(45.6)	38(14.6)	45(46.4)	65(47.8)	57(46.0)	39(44.8)	83(48.0)
	3(1.2)	1(1.5)	1(0.4)	1(1.0)	2(1.5)	1(0.8)	1(1.1)	2(1.2)
	77(29.6)	18(26.5)	23(8.8)	26(26.8)	37(27.2)	40(32.3)	22(25.3)	55(31.8)
	42(16.2)	11(16.2)	13(5.0)	20(20.6)	23(16.9)	19(15.3)	20(23.0)	22(12.7)
	12(4.6)	6(8.8)	6(2.3)	4(4.1)	7(5.1)	5(4.0)	4(4.6)	8(4.6)
	4(1.5)	1(1.5)	1(0. 4)	1(1.0)	2(1.5)	2(1.6)	1(1.1)	3(1.7)

가 150 (57.9%) 가 ,
 가 199 (77.6%) ()
 가 61 (27.4%) 67 (25.9%), 가
 가 31 (12.0%) (16).
 109 (42.1%) 15 89 (34.4%) 가
 , 16 40 가 99
 (15.4%) 15 21 (8.1%) (38.2%) 가 ,
 가 . (p<0.01). 75
 (59.6%) 44 (16.9%) 155 (29.0%), 가
 55 (21.2%) 60 (23.2%),
 6 (2.3%) 17 (6.6%) (17).
 .(p<0.05)(14).
 가 206 (79.2%) 가
 , 36 (13.8%), 8 (3.1%), 가 129 (58.3%) 가 ,
 7 (2.7%), 3 (1.2%) 85 (32.7%), 23 (8.9%)
 가 (18).
 (15).

14.

: (%)

	199(77.6)	61(27.4)
40	114(43.8)	18(6.9)
41	85(32.7)	43(16.5)
	49(18.8)	17(6.5)
	150(57.7)	44(16.9)
15	109(42.1)	21(8.1)
16	89(34.4)	40(15.4)
5	109(41.9)	26(10.0)
6	90(34.6)	35(13.5)
	44(16.9)	6(2.3)
	155(59.6)	55(21.2)
	70(26.9)	12(4.6)
	61(23.5)	20(7.7)
	68(26.2)	29(11.2)
	106(40.8)	30(11.5)
	93(35.8)	31(11.9)
6	64(24.6)	23(8.8)
7	135(51.9)	38(14.6)

) ** p<0.01, * p<0.05, ²-

15.

: (%)

	36 (13.8)	3 (1.2)	206 (79.2)	7 (2.7)	8(3.1)
40	22 (16.7)	1 (0.8)	103 (78.0)	3 (2.3)	3 (2.3)
41	14 (10.9)	2 (1.6)	103 (80.5)	4 (3.1)	5 (3.9)
	7 (10.6)	1 (1.5)	53 (80.3)	4 (6.1)	1 (1.5)
	29 (14.9)	2 (1.0)	153 (78.9)	3 (1.5)	7 (3.6)
15	22 (16.9)	2 (1.5)	100 (76.9)	2 (1.5)	4 (3.1)
16	14 (10.8)	1 (0.8)	106 (81.5)	5 (3.8)	4 (3.1)
5	18 (13.3)	1 (0.7)	105 (77.8)	5 (3.7)	6 (4.4)
6	18 (14.4)	2 (1.6)	101 (80.8)	2 (1.6)	2 (1.6)
	9 (18.0)	1 (2.0)	39 (78.0)	1 (2.0)	-
	27 (12.9)	2(1.0)	167 (79.5)	6 (2.9)	8 (3.8)
	21 (25.6)	-	57 (69.5)	2 (2.4)	2 (2.4)
	5 (6.2)	2 (2.5)	70 (86.4)	3 (3.7)	1 (1.2)
	10 (10.3)	1 (1.0)	79 (81.4)	2 (2.1)	5 (5.2)
	2 (14.3)	-	11 (78.6)	-	
	19 (14.0)	1 (0.7)	108 (79.4)	3 (2.2)	5 (3.7)
	17 (13.7)	2 (1.6)	98 (79.0)	4 (3.2)	3 (2.4)
6	12 (13.8)	1 (1.1)	67 (77.0)	2 (2.3)	5 (1.9)
7	24 (13.9)	2 (1.2)	137 (80.3)	5 (2.9)	3 (1.2)

16.

: (%)

							6	7
()	67(25.9)	22(32.8)	22(27.2)	23(24.0)	35(25.9)	32(25.8)	20(23.0)	47(27.3)
	150(57.9)	49(32.7)	46(56.8)	55(57.3)	79(58.5)	71(57.3)	50(57.5)	100(58.1)
가	31(12.0)	9(29.0)	9(11.1)	13(13.5)	15(11.1)	16(12.9)	13(14.9)	18(10.5)
	4(1.5)	2(50.0)	-	2(2.1)	3(2.2)	1(0.8)	2(2.3)	2(1.2)
	7(2.7)	-	4(4.9)	3(3.1)	3(2.2)	4(3.2)	2(2.3)	5(2.9)

17. 가

						6	7	
	99(38.2)	35(35.4)	29(35.8)	35(26.5)	55(40.7)	4(35.5)	37(43.0)	62(35.8)
	8(3.1)	5(62.5)	-	3(3.1)	5(3.7)	3(2.4)	4(4.7)	4(2.3)
	75(29.0)	21(28.0)	24(29.6)	30(31.3)	36(26.7)	39(31.5)	25(29.1)	50(28.9)
	60(23.2)	18(30.0)	20(24.7)	22(22.9)	32(23.7)	28(22.6)	16(18.6)	4(25.4)
	17(6.6)	3(17.6)	8(9.9)	6(6.3)	7(5.2)	10(8.1)	4(14.7)	13(7.5)

18.

	23 (8.9)	85 (32.7)	129 (58.3)
40	13 (9.8)	48 (36.4)	71 (53.8)
41	10 (7.8)	37 (28.9)	81 (63.3)
	5 (7.6)	25 (37.9)	36 (54.5)
	18 (9.3)	60 (30.9)	116 (59.8)
15	13 (10.0)	42 (32.3)	75 (57.7)
16	10 (7.8)	43 (33.1)	76 (58.9)
5	16 (11.9)	43 (31.9)	76 (56.3)
6	7 (5.6)	42 (33.6)	76 (60.8)
	2 (4.0)	11 (22.0)	37 (74.0)
	21 (10.0)	74 (35.2)	115 (54.8)
	7 (8.5)	23 (28.0)	52 (63.4)
	6 (7.4)	28 (34.6)	81 (100.0)
	10 (10.3)	34 (35.1)	97 (100.0)
	12 (8.8)	44 (32.4)	80 (58.8)
	11 (8.9)	41 (33.1)	72 (27.7)
6	8 (9.2)	32 (36.8)	47 (54.0)
7	15 (8.7)	53 (30.6)	105 (60.7)

가 124 (47.7%) 가
 , 95 (36.5%), 41
 (15.8%)
 (19).
 가
 , ()
) 85 (32.7%) 가 ,
 77 (29.6%), 42 (16.2%),
 26 (10.0%), 16 (6.2%),
 14 (5.4%) 가 .
 26
 (37.7%) 36 (37.1%) 15
 (18.5%) ,
 52 (30.2%) 25 (20.2%) ,
 6 32 (36.8%) 7
 45 (26.0%) ,
 가 (p<0.01)(20).
 157 (60.4%) 가
 , 41 (15.8%),
 38 (14.6%), 14 (5.4%)
 (21).
 188 (76.1%)
 59 (23.9%) ,

) ** p<0.01, *p<0.05, ²-

19.

: (%)

	41 (15.8)	95 (36.5)	124 (47.7)
40	25 (18.9)	53 (40.2)	54 (40.9)
41	16 (12.5)	42 (32.8)	70 (54.7)
	10 (15.2)	23 (34.8)	33 (50.0)
	31 (16.0)	72 (37.1)	91 (46.9)
15	24 (18.5)	50 (38.5)	56 (43.1)
16	17 (13.2)	45 (34.6)	67 (51.9)
5	26 (19.3)	48 (35.6)	61 (45.2)
6	15 (12.0)	47 (37.6)	63 (50.4)
	8 (16.0)	13 (26.0)	29 (58.0)
	33 (17.7)	82 (39.0)	95 (45.2)
	14 (17.1)	26 (38.2)	37 (45.1)
	15 (18.5)	23 (28.4)	43 (53.1)
	12 (12.4)	41 (42.3)	44 (45.4)
	18 (13.2)	57 (41.9)	61 (44.9)
	23 (18.5)	38 (30.6)	63 (50.8)
6	10 (11.5)	35 (40.2)	42 (48.3)
7	31 (17.9)	60 (34.7)	82 (47.4)

20.

: (%)

						6		7	
		77(29.6)	26(37.7)	15(18.5)	36(37.1)**	52(30.2)	25(20.2)**	32(36.8)	45(26.0)**
		42(16.2)	21(25.6)	13(16.0)	8(8.2)	24(17.6)	18(14.5)	9(10.3)	33(19.1)
		14(5.4)	6(7.3)	5(6.2)	3(3.1)	7(5.1)	7(5.6)	1(1.1)	13(7.5)
		26(10.0)	4(4.9)	15(18.5)	7(7.2)	9(6.6)	17(13.7)	5(5.7)	21(12.1)
()		85(32.7)	19(23.2)	24(29.6)	42(43.3)	41(30.1)	44(35.5)	37(42.5)	48(27.7)
		16(6.2)	6(7.3)	9(11.1)	1(1.0)	3(2.2)	13(10.5)	3(3.4)	13(7.5)

) ** p<0.01, * p<0.05, ²-

21.

: (%)

						6		7	
		5(1.9)	3(3.7)	1(1.2)	1(1.0)	4(2.9)	1(0.8)	1(1.1)	4(2.3)
		14(5.4)	5(6.1)	7(8.6)	2(2.1)	4(2.9)	10(8.1)	3(3.4)	11(6.4)
		157(60.4)	46(56.1)	49(60.5)	62(63.9)	81(59.6)	76(61.3)	56(64.4)	101(58.4)
,		38(14.6)	14(17.1)	9(11.1)	15(15.5)	23(16.9)	15(12.1)	13(14.9)	25(14.5)
		41(15.8)	12(14.6)	13(16.0)	16(16.5)	22(16.2)	19(15.3)	13(14.9)	28(16.2)
		5(1.9)	2(2.4)	2(2.5)	1(1.0)	2(1.5)	3(2.4)	1(1.1)	4(2.3)

22.

97 (80.2%)

: (%)

(19.8%)

24

()	()			()	(22).
188 (76.1)	59 (23.9)				,
10 (83.3)	2 (16.7)				
97 (80.2)	24 (19.8)				
64 (75.3)	21 (24.7)	41			가 0.36
26 (65.0)	14 (5.7)				
1 (100.0)	-				(p<0.01)

1.13

78.4%

0.42

가

가 2.32

($p < 0.13$),

가

가 1.88

($p < 0.38$)

(23).

23.

	SE()	Wald chi- square	p- value	OR (95%)
- 1.02	0.40	6.68	0.01	0.36 (0.17- 0.78)
-0.69	0.40	2.94	0.87	0.50 (0.23- 1.10)
0.10	0.37	0.78	0.78	1.11 (0.54- 2.30)
0.13	0.52	0.58	0.81	1.13 (0.54- 2.30)
- 1.78	0.71	6.22	0.13	0.19 (0.41- 3.16)
-0.87	0.61	2.06	0.15	0.42 (0.13- 1.38)
-0.34	0.54	0.40	0.53	0.71 (0.25- 2.04)
-0.77	0.57	1.85	0.17	0.46 (0.15- 1.41)
0.63	0.42	2.26	0.13	1.88 (0.83- 4.26)
0.84	0.95	0.78	0.38	2.32 (0.36- 15.07)

: (40 = 0, 40 = 1), (15 = 0, 15 = 1)
 (5 = 0, 6 = 1)
 (=0, =1), (=0, =1, =2),
 (=0, =1),
 (6 =0, 7 =1)

OR: odds ratio.

(豊島

區)

3

(1997)

(2000)

(保健婦) 5-6 32,000

2

30

(

-3 가

56.3%가

. 21

(

가

2010 Task Force,
1998)

「 . . . 」

「 . . . 」

「

, 가, ,

」

1

-2 5

(Barber Krtz, 1980).

(Health Visitor)

3000 1

(Health Visitor Association)

「 . . . 」

24

1994

24.

가

가

()

(多摩

(1:4885) (1:3000) (1:500가)

:

(, 1994)

(2000)

가

“ ”

(, 2000).

가

가

가

가

(, 2000).

가

가

가

“

”가

(2000)

(

, 2000),

가

()

가

가

가

