

# Demographic Changes and Welfare Finance Projections of Local Governments

**2009. 12**

## 연구진

하 능 식 (수석연구원)

신 두 섭 (수석연구원)





가

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가

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가

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, 2005

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2010

5

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가

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가

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가

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가 가 . ,  
 , 65 가 . ,  
 , 가가 . ,  
 가 , .  
 . ,  
 가 가 7  
 가 가 . ,  
 .  
 ('05, 9.1%) OECD ('03, 21.83%)  
 가 . GDP  
 2005 9.1% OECD 21.83%(2003 )  
 , (16.59), (18.39)  
 . 10  
 가 33.3% 44.7% 가 , 36.9%  
 28.4% . 가  
 가  
 10 가  
 , IMF 1990 가 가  
 . 가 가  
 . 2004 533  
 149  
 2009  
 . 70%  
 가 .

|              | 2002  | 2007      |
|--------------|-------|-----------|
| 가            | 13.3% | 가 (6.1%)  |
| 가 (15.5%)    | 가     | 가 (12.5%) |
| 가            | 가     | 가         |
| 0.94%        | 가     | 가         |
| ( )          | 가     | 가         |
| 가            | 가     | 가         |
| 5            | 5     | 5         |
| 1999-2008 10 | 10    | 5         |
| 2009-2018    | 10    | 5         |
| 65           | 15    |           |

2008 10 65 507 2018 700 38.1%  
가 가  
가  
44% 49% 가 가  
가 15  
, 가  
. 2008 15 852 , 10  
2018 20% 680 .  
.  
가  
.  
가  
가  
가 2008  
3.3% 10 4.9% 가 가  
가 .  
7.5% 가 . 10  
가 가 7  
가 가 가  
.  
가 가 10  
10.2% .  
가  
가 가



. ,  
 . ,  
 . ,  
 가  
 19.24%  
 , 0.94%  
 가  
 가  
 65 , 가  
 가 ,  
 가 가 ,  
 가  
 가  
 A B  
 A( B) 2009  
 17.5% 24.1 2018  
 가 가  
 31.0 (39.4 ) , 5.0%p(11.2%p)  
 가 22.5%(28.7%)  
 82.5% 77.5%(71.3%)  
 가 가  
 5.1%(11.1%) 가 144.4 (152.8 )  
 . 7.0 (15.3 ) 가 ,

가

가

.

가

가

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|    |         |    |
|----|---------|----|
| 1  | .....   | 1  |
| 1  | .....   | 1  |
| 2  | .....   | 2  |
| 3  | .....   | 3  |
| 2  | .....   | 5  |
| 1  | .....   | 5  |
| 2  | .....   | 8  |
| 1. | .....   | 8  |
| 2. | .....   | 10 |
| 3  | .....   | 12 |
| 1. | .....   | 12 |
| 2. | .....   | 15 |
| 3  | .....   | 18 |
| 4  | .....   | 20 |
| 1. | 가 ..... | 20 |
| 2. | .....   | 23 |
| 3  | .....   | 28 |
| 1  | .....   | 28 |
| 2  | .....   | 32 |
| 1. | .....   | 32 |
| 2. | .....   | 34 |
| 3. | .....   | 35 |

|          |       |    |
|----------|-------|----|
| 3        | ..... | 36 |
| 1.       | ..... | 36 |
| 2.       | ..... | 36 |
| 3.       | ..... | 38 |
| 4.       | ..... | 42 |
| 4 2009   | ..... | 42 |
| 1. 2009  | ..... | 42 |
| 2.       | ..... | 46 |
| 3.       | ..... | 47 |
| 5        | ..... | 47 |
| 1. ( ) : | ..... | 48 |
| 2. :     | ..... | 51 |
| 3. :     | ..... | 55 |
| 4. :     | ..... | 58 |
| 4        | ..... | 61 |
| 1.       | ..... | 61 |
| 2.       | ..... | 63 |
| 3.       | ..... | 69 |
| 4.       | ..... | 71 |
| 5.       | ..... | 72 |
| 5        | ..... | 76 |
| 1        | ..... | 76 |
| 1.       | ..... | 76 |
| 2. 5     | ..... | 77 |
| 3.       | ..... | 83 |
| 2        | ..... | 88 |
| 1.       | ..... | 89 |
| 2.       | ..... | 90 |

|          |       |         |
|----------|-------|---------|
| 3        | ..... | 92      |
| 1.       | 가     | .....92 |
| 2.       | ..... | 97      |
| 3.       | ..... | 101     |
| 6        | ..... | 107     |
| 1        | ..... | 107     |
| 2        | ..... | 108     |
| 1.       | ..... | 108     |
| 2.       | ..... | 109     |
| 3.       | ..... | 112     |
| 4.       | ..... | 113     |
| 5.       | ..... | 114     |
| 3        | ..... | 115     |
| 1.       | ..... | 115     |
| 2.       | ..... | 119     |
|          | ..... | 121     |
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|              |                   |    |
|--------------|-------------------|----|
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| < 2-1>       | ' 09 .....        | 7  |
| < 2-2>       | .....             | 7  |
| < 2-3>       | .....             | 8  |
| < 2-4> 65    | .....             | 10 |
| < 2-5>       | .....             | 11 |
| < 2-6>       | .....             | 11 |
| < 2-7>       | .....             | 12 |
| < 2-8>       | .....             | 12 |
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| < 4-5> 2005  | 67 .....          | 67 |
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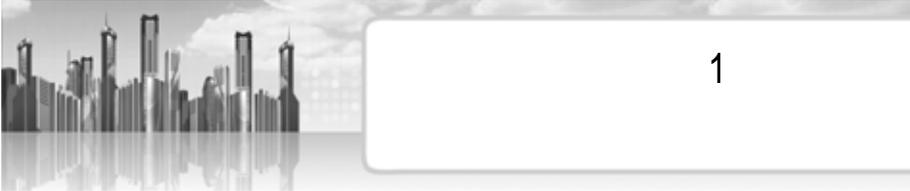
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| < 5-12> | (2001-07 )       | .....91    |
| < 5-13> | (2001-07 )       | .....91    |
| < 5-14> | 가                | .....92    |
| < 5-15> | 가 ( A)           | .....94    |
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| < 5-20> | 2001-2007 가( B)  | .....97    |
| < 5-21> | 2008-2018 가 ( A) | .....98    |
| < 5-22> | ( A)             | .....98    |
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| < 5-25> | 2018             | .....102   |
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| < 2-1>    | .....     | 5  |
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| < 2-3>    | .....     | 9  |
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| < 3-2>    | .....     | 34 |
| < 3-3>    | .....     | 35 |
| < 3-4>    | .....     | 48 |
| < 3-5>    | ( ) ..... | 50 |
| < 3-6>    | ( ) ..... | 51 |
| < 3-7>    | ( ) ..... | 51 |
| < 3-8>    | ( ) ..... | 54 |
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| < 3-10>   | ( ) ..... | 55 |
| < 3-11>   | ( ) ..... | 57 |
| < 3-12>   | ( ) ..... | 57 |
| < 3-13>   | ( ) ..... | 57 |
| < 3-14>   | ( ) ..... | 60 |
| < 3-15>   | ( ) ..... | 60 |
| < 3-16>   | ( ) ..... | 60 |
| < 5-1> 65 | .....     | 80 |
| < 5-2> 65 | .....     | 81 |
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| < 5-4>    | .....     | 85 |
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< 6-2> ( B) .....117  
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1



21 가

1970 3.1% 2008 10.2% 65 가  
 (aging society) , 2020 15.7% (aged  
 society)가 .

가 가 ,  
 가 .

가 , 가 가  
 가

가 , 가  
 가 .  
 가,  
 ,

가

가 가 . 가  
 ,  
 . 가 가  
 . 가  
 ,  
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 ,

1998 6.7% 3 8,660 2009  
 17.5% 24 1,455 . 2005  
 2010 5

2 

10 , 2 3  
 . 4 ,  
 . 5 10  
 . 6

3

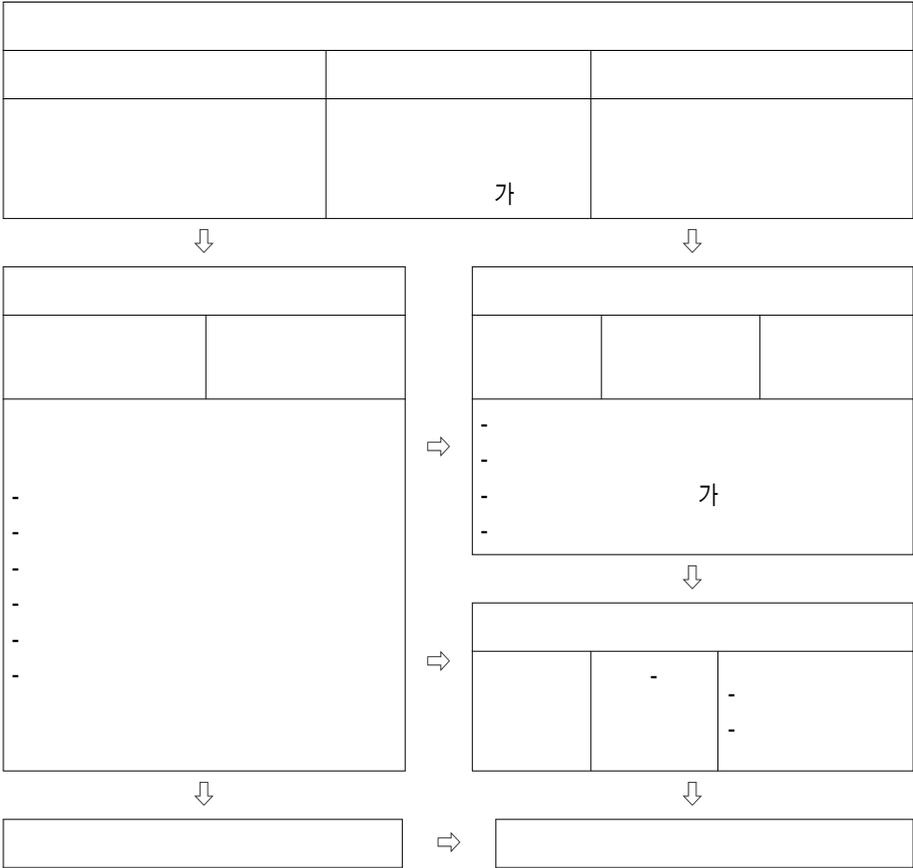


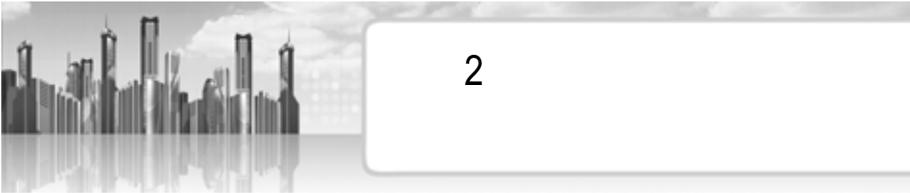
10 (1999 -2008 ) ,  
 10 (2009 -2018 )

가

( , ),  
 ( , ) , 가 ), ( , )  
 , , )

< 1-1>





1

가

가

가

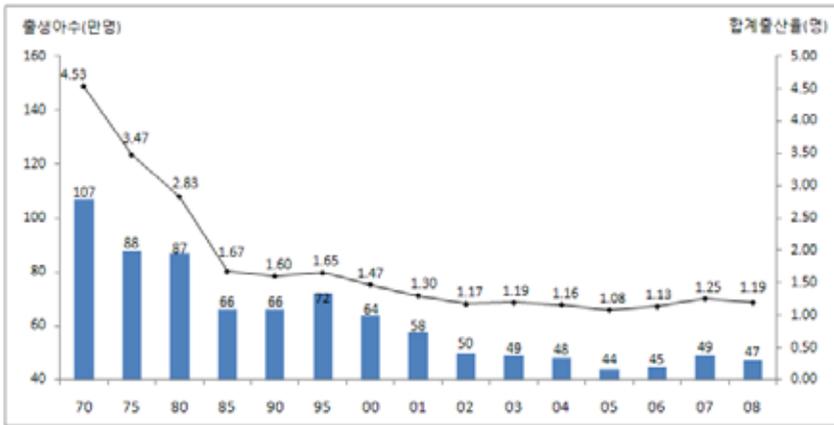
'83

(2.1 )

'05

1.08

< 2-1>



: , 『 , 』 .

65

가

가

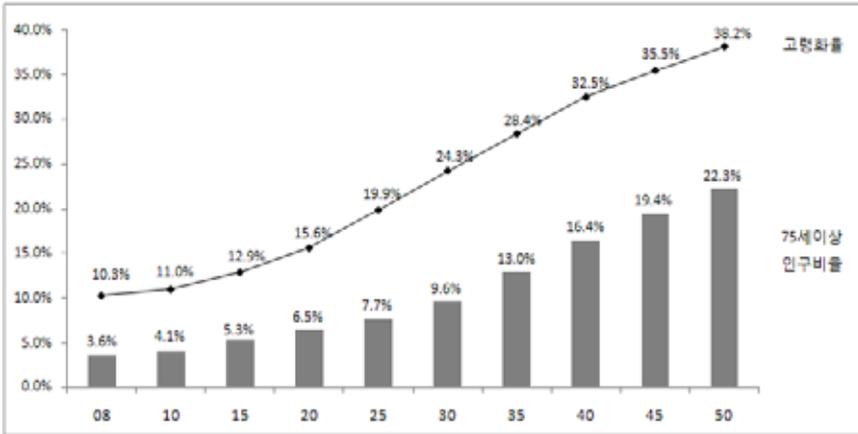
'09

10.7%

가

, '50 38.2%

< 2-2 >



: , 「 (2006)」, 「2008 」

가 가

, . 가  
 '00 4.56% '20 2.91%  
 '40 0.74%

가

'05 5 「 . 」

('05.9)

'06 8 . 「

2010」

. '08 2

가

'08 9,677

'09 11,857

2,180 (22.5%) 가 . 16 892  
 483 , 277 , 90 , 42

< 2-1>

'09

( : )

|  |   | '08   | '09    | %     |      |     |
|--|---|-------|--------|-------|------|-----|
|  |   | 9,677 | 11,857 | 2,180 | 22.5 | 892 |
|  |   | 6,036 | 7,266  | 1,230 | 20.4 | 483 |
|  |   | 3,292 | 4,225  | 933   | 28.3 | 277 |
|  |   | 344   | 358    | 14    | 4.1  | 90  |
|  | . | 5     | 8      | 3     | 60.0 | 42  |

< 2-2>

( : )

|  |  | '08   | '09    | %     |       |     |
|--|--|-------|--------|-------|-------|-----|
|  |  | 9,677 | 11,857 | 2,180 | 22.5  | 892 |
|  |  | 2,944 | 3,738  | 794   | 27.0  | 112 |
|  |  | 131   | 170    | 39    | 29.8  | 99  |
|  |  | 99    | 147    | 48    | 48.5  | 47  |
|  |  | 345   | 366    | 21    | 6.1   | 74  |
|  |  | 286   | 241    | -45   | -15.7 | 89  |
|  |  | 203   | 236    | 33    | 16.3  | 42  |
|  |  | 42    | 56     | 14    | 33.3  | 55  |
|  |  | 3,079 | 406    | 1,007 | 32.7  | 129 |
|  |  | 107   | 171    | 64    | 59.8  | 27  |
|  |  | 122   | 121    | -1    | -0.8  | 32  |

< >

|  | '08 | '09 |     |       |    |
|--|-----|-----|-----|-------|----|
|  |     |     |     | %     |    |
|  | 640 | 740 | 100 | 15.6  | 33 |
|  | 598 | 513 | -85 | -14.2 | 34 |
|  | 136 | 120 | -16 | -11.8 | 5  |
|  | 623 | 760 | 137 | 22.0  | 80 |
|  | 229 | 289 | 60  | 26.2  | 16 |
|  | 93  | 103 | 10  | 10.8  | 18 |

2



1. 인구구조와 사회보장

가 , 가 , 가 , 가 , 가 .

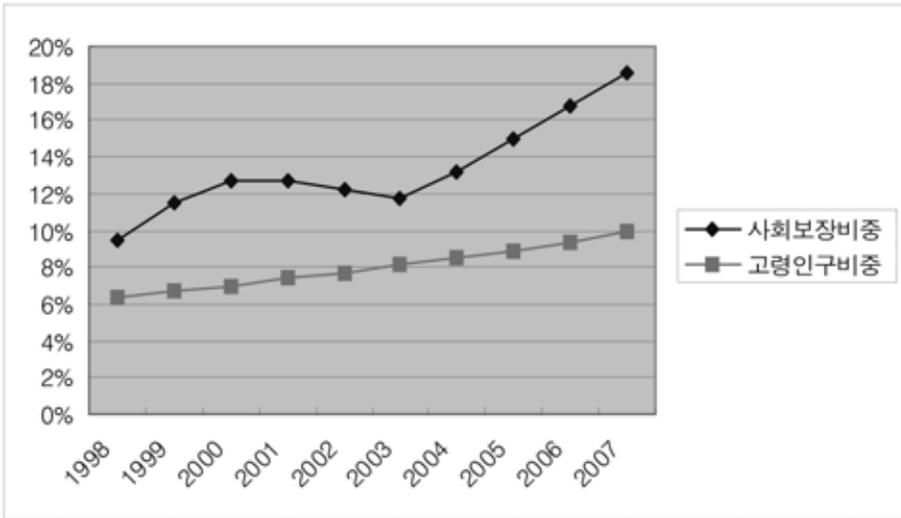
< 2-3>

|  | (7%) | (14%) | (21%) | (7% 14%) | (14% 20%) |
|--|------|-------|-------|----------|-----------|
|  | 2000 | 2018  | 2026  | 18       | 8         |
|  | 1970 | 1994  | 2006  | 24       | 12        |
|  | 1927 | 1988  | 2006  | 61       | 18        |
|  | 1942 | 2015  | 2036  | 73       | 21        |
|  | 1932 | 1972  | 2009  | 40       | 37        |
|  | 1864 | 1979  | 2018  | 115      | 39        |

: , 「 (2006) 」

65 14% ,  
 2000 8 7%  
 . 7% 14%  
 40 115 , 61 85 . 가  
 24 , 18 가  
 가 .  
 가 , .  
 가 가

< 2-3 >



: DB

## 2. 복지재정 수요변화 추이

가.

가

65

가

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가가

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가

가

,

.

< 2-4> 65

|  | 1998  | 1999  | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | 7.4%  | 7.7%  | 8.1%  | 8.4%  | 8.9%  | 9.3%  | 9.7%  | 10.1% | 10.6% | 11.2% | 11.6% |
|  | 13.4% | 14.1% | 15.0% | 15.8% | 16.9% | 17.8% | 18.9% | 19.8% | 20.6% | 21.6% | 22.3% |
|  | 5.2%  | 5.5%  | 5.8%  | 6.1%  | 6.5%  | 6.8%  | 7.3%  | 7.7%  | 8.2%  | 8.9%  | 9.3%  |
|  | 6.4%  | 6.7%  | 7.0%  | 7.4%  | 7.7%  | 8.1%  | 8.5%  | 8.9%  | 9.3%  | 9.9%  | 10.2% |

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가

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## &lt; 2-5&gt;

|  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  |
|--|-------|-------|-------|-------|-------|-------|-------|
|  | 2.58% | 2.40% | 2.55% | 2.83% | 3.01% | 3.08% | 3.10% |
|  | 4.38% | 4.19% | 4.21% | 4.36% | 4.46% | 4.37% | 4.33% |
|  | 3.59% | 3.39% | 3.47% | 3.63% | 3.76% | 3.75% | 3.73% |
|  | 6.88% | 6.66% | 6.53% | 6.64% | 6.68% | 6.39% | 6.33% |
|  | 2.48% | 2.32% | 2.48% | 2.76% | 2.96% | 3.05% | 3.11% |

:

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가

가 7 가 가 .  
 가 7.15%  
 가 .

## &lt; 2-6&gt;

|  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  |
|--|-------|-------|-------|-------|-------|-------|-------|
|  | 2.23% | 2.43% | 2.88% | 3.10% | 3.45% | 3.76% | 3.92% |
|  | 3.06% | 3.35% | 3.94% | 4.25% | 4.70% | 5.13% | 5.37% |
|  | 2.81% | 3.08% | 3.63% | 3.90% | 4.31% | 4.70% | 4.91% |
|  | 3.77% | 4.17% | 4.96% | 5.44% | 6.12% | 6.75% | 7.15% |
|  | 2.21% | 2.41% | 2.84% | 3.07% | 3.43% | 3.75% | 3.92% |

:

.

가

< 2-7>

|  | 1998  | 1999  | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | 22.1% | 21.9% | 21.8% | 21.5% | 21.1% | 20.8% | 20.3% | 19.8% | 19.2% | 18.6% | 18.0% |
|  | 16.8% | 16.7% | 16.5% | 16.3% | 15.9% | 15.6% | 15.2% | 14.7% | 14.2% | 13.9% | 13.4% |
|  | 20.5% | 20.1% | 19.8% | 19.4% | 19.0% | 18.6% | 18.2% | 17.7% | 17.0% | 16.4% | 15.8% |

:

3



### 1. 복지재정의 정의

< 2-8>

|                    |   |               |                  |
|--------------------|---|---------------|------------------|
| ,<br>-<br>-<br>( ) | , | -<br>- 가<br>- | -<br>-<br>-<br>- |
|--------------------|---|---------------|------------------|

IMF

I L O

O E C D

: (2002), , 「 , 19:138

, , , , ,

가 (IMF, ILO, OECD ),

< 2-9>

|  | IMF    | ILO     | OECD |
|--|--------|---------|------|
|  | ( ), , |         | 1.   |
|  | , ( )  |         | 2.   |
|  |        |         | 3.   |
|  |        | ( . )   | 4.   |
|  |        |         | 5.   |
|  | 가      | 가 ( . ) | 6. 가 |
|  |        | ( / )   |      |
|  |        |         | 7.   |
|  |        |         | 8.   |
|  |        | -       | 9. 가 |
|  |        | -       |      |
|  |        | -       |      |
|  |        | -       | 10.  |
|  |        | -       |      |
|  | -      | -       | 11.  |
|  | -      | -       | 12.  |
|  |        |         | 13.  |

: 1) , , , , ,

2) ( / )

3)

: (2002: 139)

가 IMF 가 , ILO

. OECD ILO ( , 2002)

. 가 , . , .

가 가 가 가 가 가 가 가 가 가 20% 가

가

&lt; 2-10&gt;

|   | ( )  | ( )     |
|---|------|---------|
| 4 | ( )  | ( , )   |
|   | ( ), | ( , / ) |
|   |      |         |
|   |      |         |

,  
 ,  
 . 2007  
 , 2008 2009  
 .

## 2. 지방복지재정의 구성

. 가  
 . 가  
 , 가  
 가 ,  
 .

< 2-11>

|  | 가<br><br>( . ) | 2<br>3<br>1<br>1<br>2<br>1<br>4 .<br>3 가<br>1 가<br>2<br>3<br>4 |
|--|----------------|--|
|  | 가              |  |

: (2006), , .

< 2-11>

가 .

「2010

」 가 ,  
 , .가 , . , . , ,  
 . ,  
 , , , .가  
 .가 , .  
 ,

## &lt; 2-12&gt;

|          |  |    | ( ) |
|----------|--|----|-----|
| 080      |  |    |     |
| 081      | <ul style="list-style-type: none"> <li>■</li> <li>■ , ,</li> <li>■ ,</li> </ul> <p>) (086 )</p>  |    |     |
| 082      | <ul style="list-style-type: none"> <li>■ .</li> <li>■</li> <li>■ . ( )</li> <li>■</li> <li>■ ,</li> <li>■ 가</li> <li>■</li> <li>■ , ,</li> </ul> <p>) (016 )</p>                                       |    |     |
| 084<br>가 | <ul style="list-style-type: none"> <li>■ . , 가 .</li> <li>■ , ,</li> <li>■ , .</li> <li>■ ( )</li> <li>■ 가 .</li> <li>■</li> <li>■ ,</li> <li>■ , , , 가</li> <li>■ 가 , 가 , 가 가</li> <li>■ .</li> </ul> | ·가 |     |

|     |   | < > |
|-----|---|-----|
|     |   | ( ) |
| 085 | <ul style="list-style-type: none"> <li>▪ ) ( ,</li> <li>▪ . .</li> <li>▪ , ,</li> <li>▪ ( )</li> <li>▪ , ( )</li> <li>▪ , ,</li> <li>▪ ,</li> </ul> |     |
| 086 | <ul style="list-style-type: none"> <li>▪ , , , ,</li> <li>▪ , ,</li> <li>▪ , 12</li> </ul>  |     |
| 087 | <ul style="list-style-type: none"> <li>▪ 가 ,</li> <li>▪ 7</li> </ul>  |     |
| 088 | <ul style="list-style-type: none"> <li>▪ , 3</li> </ul>   |     |
| 089 | <ul style="list-style-type: none"> <li>▪ (081) (088)</li> </ul>   |     |

: , 2010 ,  
2009.

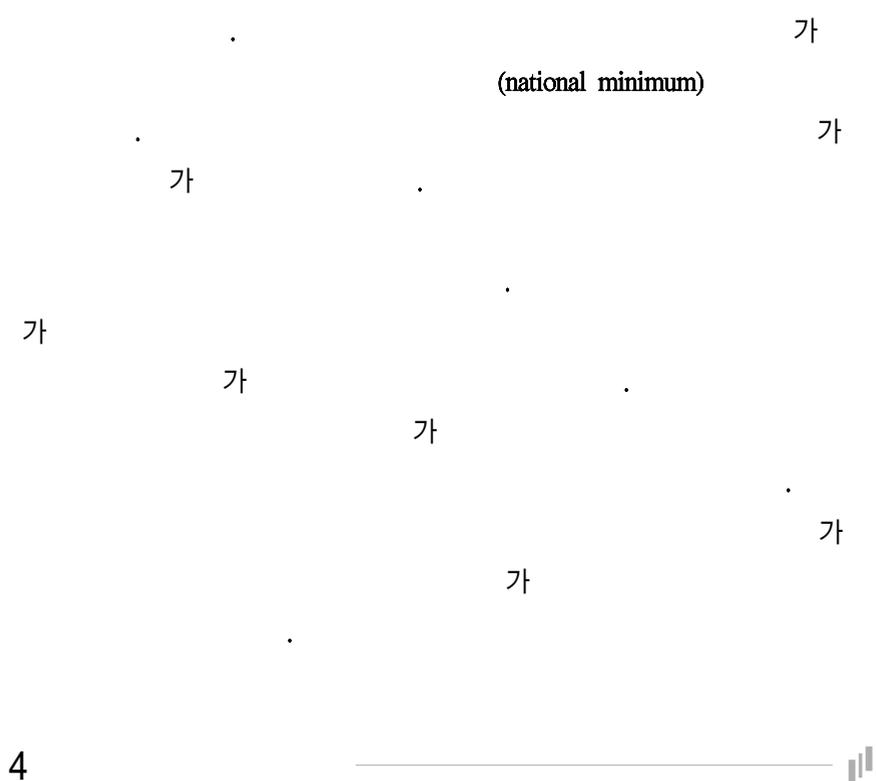
3



가

,





### 1. 고령화와 국가재정의 관계

가

GDP , 1 GDP

가 ( , 2002; Kang et al., 2003).

가 가 가

3 가  
 가  
 가 ,  
 가 ,  
 가 ,  
 가 (2004)  
 가 , 2026  
 가 , 가  
 , , 가  
 .

< 2-13 >

|  |  |   |
|--|--|---|
|  | <ul style="list-style-type: none"> <li>• Rostow(1990)</li> <li>• Bloom et al.(1999)</li> <li>• Cutler et al. (1990)</li> <li>• Fougere &amp; Merette (1999)</li> </ul> | <ul style="list-style-type: none"> <li>- GNP 가</li> <li>- , 가</li> <li>- ,</li> <li>- 7 GDP , 가</li> </ul>                          |
|  | <ul style="list-style-type: none"> <li>• (2002), Kang et al.(2003)</li> <li>• (2004)</li> <li>• (2001), (2006), (2007)</li> </ul>                                      | <ul style="list-style-type: none"> <li>- GDP U</li> <li>- ( , , )</li> <li>- GDP 가, , ,</li> <li>- 2026 가</li> <li>- : ,</li> </ul> |

|  |  | <             | > |
|--|--|---------------|---|
|  | <ul style="list-style-type: none"> <li>• Borchering and Deacon(1972)</li> <li>• Atkinson and Stiglitz (1980)</li> <li>• Dao(1994)</li> </ul> | - 가 , , ,     |   |
|  |  | - 1 , , 가 , , |   |
|  |  | - 1 가 , , ,   |   |
|  | <ul style="list-style-type: none"> <li>• , (2004)</li> </ul>   | - 가           |   |
|  | <ul style="list-style-type: none"> <li>• . (2007)</li> </ul>   | - , , , 14    |   |
|  | <ul style="list-style-type: none"> <li>• , (2009)</li> </ul>   | - 가 가가        |   |
|  | <ul style="list-style-type: none"> <li>• (2006)</li> </ul>   | - 가 , 1       |   |
|  | <ul style="list-style-type: none"> <li>• (1994)</li> </ul>   | - 가 가 ,       |   |
|  | <ul style="list-style-type: none"> <li>• (1995)</li> </ul>   | -             |   |
|  | <ul style="list-style-type: none"> <li>• (2001)</li> </ul>   | - 가 ,         |   |
| <ul style="list-style-type: none"> <li>• (2003)</li> </ul>   | - 가  |               |   |
| <ul style="list-style-type: none"> <li>• (2005)</li> </ul>   | - 가  |               |   |
| <ul style="list-style-type: none"> <li>• . (2005)</li> </ul> | - ,  |               |   |
| <ul style="list-style-type: none"> <li>• (2006)</li> </ul>   | -  |               |   |

|  |            | <   | >     |
|--|------------|-----|-------|
|  | · (2006)   | - 1 | ,     |
|  | · (2008)   | -   | 가 , 가 |
|  | · (2007)   | -   | , ,   |
|  | · , (2007) | -   | ,     |
|  | · , (2007) | -   | , , , |
|  | · , (2006) | -   | ,     |
|  | · (2007)   | -   | ,     |

## 2. 인구고령화와 지방재정구조

· (2004) 1996 2002 ·  
 , ( , ,  
 )가 , , 가  
 , , 가 , 가,  
 , ,  
 , · (2007) 2003 165 ·

, , , 14

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가

가

(2009) , 2003 2006 , ,

가

, 가

가

가

(2004) 가 ( ) ,

가

가

5

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(2006)

,

1 가

가

가 1 ,

가 1 가

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, (1994)

가 , 가  
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 (2001) 가  
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 (2005) 가 가  
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 (2007) . . 2004  
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 . (2007) 230 2003-  
 2006  
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 , ,  
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 가 가  
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 (2007) 6 , 9  
 16 1995 2005  
 ,  
 , ,  
 .  
 (2006)  
 .  
 (2007) Beck (error correction models)

가

가

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,

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1



('05, 9.1%) OECD ('03, 21.83%)  
 가 . GDP  
 2005 9.1% OECD 21.83%(2003 )  
 , (16.59), (18.39)  
 .

< 3-1> GDP OECD (%)

|       |       |       |       |       |       |       | OECD  |
|-------|-------|-------|-------|-------|-------|-------|-------|
| 9.05* | 16.59 | 18.39 | 20.96 | 29.08 | 28.76 | 31.85 | 21.83 |

: 4.91%('96) 8.92%('99) 7.72%('01) 7.87%('03) 9.05%('05)

: OECD, Social Expenditure Data 2006

( , 2005).

. 가 가 가  
 . 가  
 가 가  
 가 . 가



( , 2005).

가 가 . 가 가  
 가 가  
 가, 가  
 가 .  
 '02~'09 가 9.2%  
 14.1% 가 .

< 3-2> 가

( /%)

|       | '02  | '03  | '04  | '05  | '06  | '07  | '08  | '09  |
|-------|------|------|------|------|------|------|------|------|
| ( )   | 7.7  | 8.5  | 9.2  | 8.9  | 9.7  | 11.5 | 16.0 | 19.5 |
| 가 (%) | 3.9  | 9.7  | 8.6  | 3.5  | 9.0  | 18.8 | 39.0 | 21.4 |
| (%)   | 7.07 | 7.20 | 7.68 | 6.59 | 6.60 | 7.37 | 8.92 | 9.56 |

: '08 ( + 가 + )  
 : 가 (2009)

'09 . 80.4 '08 16.9%  
 가 , (301.8 ) 26.6% .  
 1988 20 가 ,  
 , , 가 가  
 . 가가  
 ,  
 .





| '07 |  | '08 |  |
|-----|--|-----|--|
|     |  | 10. |  |
|     |  | 11. |  |
|     |  | 12. |  |
|     |  | 13. |  |
|     |  | 14. |  |

1997      2007      10

10      가 33.3%      44.7%      가

36.9%      28.4%

11.4%p 가 ,      가

8.5%p      가      ,      1.9%p

가      가

가      가

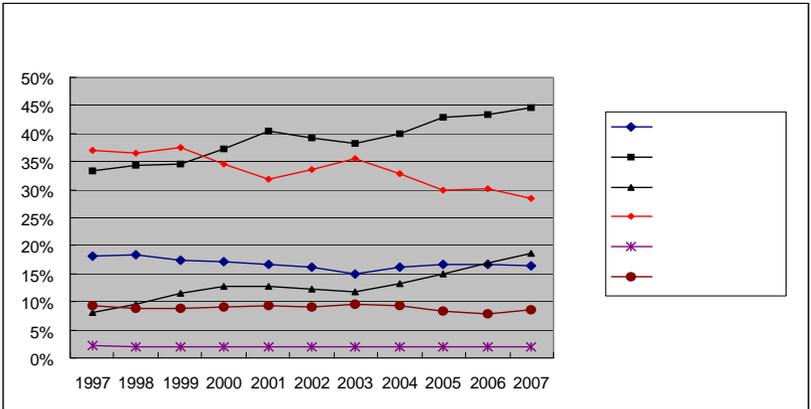
11.4%p      가가 10.3%p      가

< 3-6 >

| 1997 | 18.2% | 33.3% | 8.2%  | 36.9% | 2.3% | 9.3% | 100% |
|------|-------|-------|-------|-------|------|------|------|
| 1998 | 18.4% | 34.2% | 9.5%  | 36.5% | 2.1% | 8.8% | 100% |
| 1999 | 17.3% | 34.5% | 11.5% | 37.5% | 1.9% | 8.8% | 100% |
| 2000 | 17.1% | 37.3% | 12.7% | 34.5% | 1.9% | 9.2% | 100% |
| 2001 | 16.6% | 40.3% | 12.7% | 31.8% | 1.9% | 9.4% | 100% |
| 2002 | 16.3% | 39.2% | 12.2% | 33.7% | 1.8% | 9.0% | 100% |
| 2003 | 15.1% | 38.1% | 11.7% | 35.4% | 1.9% | 9.5% | 100% |
| 2004 | 16.1% | 39.8% | 13.2% | 32.8% | 1.9% | 9.3% | 100% |
| 2005 | 16.8% | 42.9% | 15.0% | 30.0% | 2.0% | 8.3% | 100% |
| 2006 | 16.7% | 43.3% | 16.8% | 30.2% | 2.0% | 7.8% | 100% |
| 2007 | 16.3% | 44.7% | 18.5% | 28.4% | 1.9% | 8.7% | 100% |

:

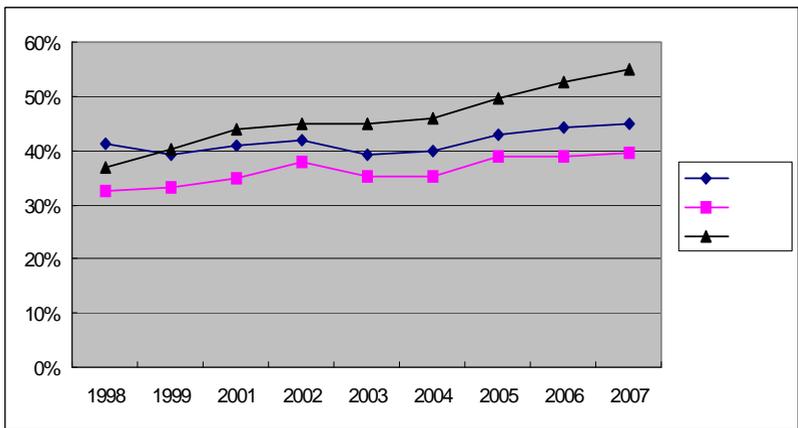
< 3-1>



## 2. 지자체 유형별 사회개발비 비중 추이

가 . 가 , 가 .

< 3-2>

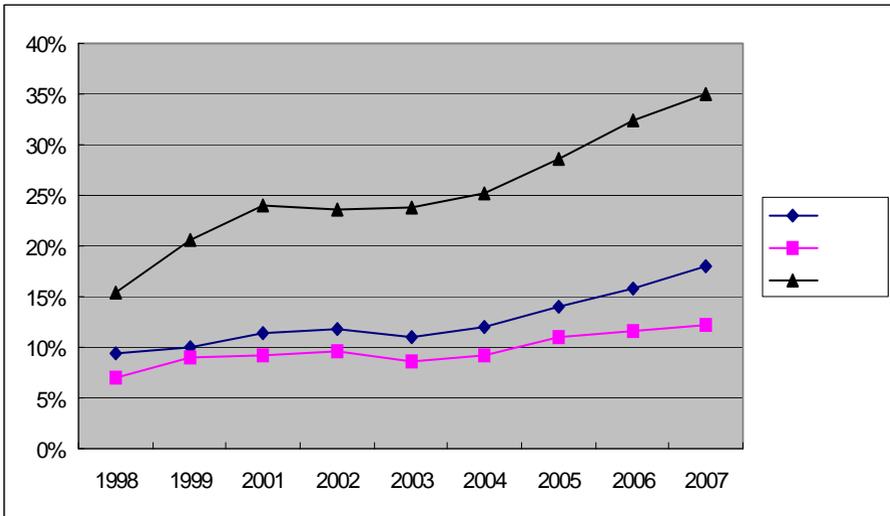


### 3. 유형별 사회보장 비중 추이

10

가 , IMF 1990  
 가 가  
 가 가

< 3-3 >



### 3



## 1. 지방교부세

( , )  
 .  
 . , , ,  
 , .  
 , , , .  
 .  
 가 .  
 .  
 가 .  
 , 가 가 . 가

## 2. 분권교부세제도

가가  
 가 . 가 가

. 2004 533

149

2009

70%

가

< 3-7>

| 2005 | 8,454  | 5,310 | 62.8% |
|------|--------|-------|-------|
| 2006 | 10,065 | 6,713 | 66.7% |
| 2007 | 11,385 | 7,835 | 68.8% |
| 2008 | 12,595 | 8,792 | 69.8% |

: (2009)

67

< 3-8>

( : )

| 2005 | 67<br>(6,638 ) | 50<br>(2,973 ) | 17<br>(3,665 ) | 9<br>(139 ) | 8<br>(3,526 ) |
|------|----------------|----------------|----------------|-------------|---------------|
| 2006 | 67<br>(8,369 ) | 50<br>(3,124 ) | 17<br>(5,245 ) | 10<br>(89 ) | 7<br>(5,156 ) |
| 2007 | 67<br>(9,689 ) | 52<br>(3,792 ) | 15<br>(5,897 ) | 8<br>(78 )  | 7<br>(5,819 ) |

0.94%

< 3-9> (2005~2008) (단위: 천원, %)

|  | 2005  | 2006   | 2007(A) | 2008(B) | (B-A)<br>(%) |
|--|-------|--------|---------|---------|--------------|
|  | 8,454 | 10,065 | 11,387  | 12,595  | 1,208(10.6)  |
|  | 0.83  | 0.94   | 0.94    | 0.94    |              |

단위: 천원, % (단위: 천원), 「2008년 4월 말 기준」, 2008.4.

2009년 1월 3,774천원 증가 (0.94%)  
 2009년 1월 2,595천원 증가 (9.4%)  
 2008년 1월 2,595천원 증가 (9.4%)  
 2009년 1월 5,333천원 증가 (146%)

< 3-10> 2009 (단위: 천원, %)

|  | 2008    | 2009    |         |       |
|--|---------|---------|---------|-------|
|  | 235,734 | 257,423 | 22,035  | 9.3   |
|  | 9,468   | 10,726  | 918     | 9.7   |
|  | 12,595  | 13,774  | 1,179   | 9.4   |
|  | 31,770  | 17,882  | -13,888 | -43.7 |
|  | 289,569 | 299,805 |         |       |

:

### 3. 국고보조금

2002                      2007    13.3%  
 가                      가 (6.1%)    가  
                                  가 (12.5%)    가 (15.5%)

## &lt; 3-11 &gt;

|  | 2002    | 2003    | 2004    | 2005      | 2006      | 2007      | 가     |
|--|---------|---------|---------|-----------|-----------|-----------|-------|
|  | 911,154 | 975,256 | 988,924 | 1,070,625 | 1,154,722 | 1,119,864 | 6.1%  |
|  | 70,378  | 74,459  | 87,513  | 95,051    | 115,884   | 135,485   | 13.3% |
|  | 7.7%    | 7.6%    | 8.8%    | 8.9%      | 10.0%     | 12.1%     |       |
|  | 49,488  | 51,554  | 61,027  | 64,977    | 78,690    | 92,495    | 12.3% |
|  | 70.3%   | 69.2%   | 69.7%   | 68.4%     | 67.9%     | 68.3%     |       |
|  | 20,890  | 22,905  | 26,486  | 30,074    | 37,194    | 42,990    | 15.5% |
|  | 29.7%   | 30.8%   | 30.3%   | 31.6%     | 32.1%     | 31.7%     |       |

:                      .                      (2007)

## &lt; 3-12 &gt;

|       | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
|-------|------|------|------|------|------|------|
| ( + ) | 7.7  | 7.6  | 8.8  | 8.9  | 10.0 | 12.1 |
| (230) | 8.4  | 8.3  | 9.8  | 10.3 | 11.4 | 13.9 |
| (75)  | 5.4  | 5.4  | 6.4  | 6.7  | 7.5  | 9.0  |
| (86)  | 5.4  | 5.4  | 6.5  | 6.4  | 6.4  | 8.1  |
| (69)  | 14.5 | 13.4 | 14.8 | 16.5 | 19.1 | 22.7 |
| (25)  | 10.1 | 8.8  | 9.5  | 11.2 | 13.2 | 16.0 |
| (44)  | 18.3 | 17.3 | 20.2 | 21.8 | 24.6 | 28.7 |

:                      .                      (2007)

가 22.7% 가  
 , 가 28.7% 16.0%  
 .  
 , 30% 가  
 .  
 .  
 가 가 가  
 가 가  
 가 .  
 .  
 2  
 ±10%  
 .  
 ±20%  
 “ ” 4 ‘  
 , 91 13 .  
 . .  
 (= / ) ,  
 . ( .  
 ) ,  
 가 25  
 80 . . ,  
 가 20 가 85 .  
 . .

< 3-13>

( : %)

| 1) |    |                     | *             | 50 | 80 |
|----|----|---------------------|---------------|----|----|
| ·  | 30 |                     |               | 50 | 80 |
| ·  | 50 |                     |               | 50 | 70 |
| ·  | 30 | 70~88 <sup>2)</sup> | · , ·         | 50 | 80 |
| ·  | 50 |                     | ·             | 50 | 70 |
|    | 30 | 50                  |               |    |    |
|    | 50 | 70                  | *             | 20 | 50 |
|    | 50 |                     | 가             | 50 | 80 |
| 가  | 30 | 50                  | <sup>3)</sup> | 50 |    |
|    | 30 | 50                  | <sup>4)</sup> | 50 |    |
| *  | 50 | 80                  |               |    |    |

1)

2)

3) 가 ,

4) 「 가 」 · · ( )

\* 가

가. · 가 25 가 80 10%p

· , · 가 20 가 85 10%p

가 .

가 가 20% 가

가 .

### 4. 부동산교부세

2008 25% (50%), (25%), (20%), (5%) 가

### 4 2009

#### 1. 2009년 사회복지예산 일반현황

가 , 2009 가 가 .

< 3-14> 가

( : , %)

|       | '04   | '05   | '06   | '07   | '08<br>( ) | 가<br>(04~07) |
|-------|-------|-------|-------|-------|------------|--------------|
| (A)   | 98.9  | 107.1 | 115.5 | 128.0 | 124.9      | 29.6%        |
| (B)   | 10.7  | 12.9  | 15.3  | 18.8  | 21.7       | 76.3%        |
| (A/B) | 10.8% | 12.0% | 13.3% | 14.7% | 17.3%      |              |

: , 2009 : '08 , '07 가

2009 24.1  
 17.5% , 11.1% 가 .  
 34.8% 가 (25.6%), 가  
 (20.2%), (13.2%) .  
 40.4% 59.6%  
 가 27.3% 72.7%  
 (43.3%)  
 (35.8%) . 가  
 (93.3%), (88.9%)  
 가 .  
 < 3-15> ( + )  
 ( : )

|    |                  |             |                |                | ( : )        |              |
|----|------------------|-------------|----------------|----------------|--------------|--------------|
|    | <b>1,375,349</b> |             | <b>512,960</b> | <b>862,389</b> |              |              |
|    | <b>241,455</b>   | <b>100%</b> | <b>65,981</b>  | <b>175,474</b> | <b>27.3%</b> | <b>72.7%</b> |
|    | <b>84,007</b>    | 34.8%       | 36,416         | 47,590         | 43.3%        | 56.7%        |
|    | <b>31,955</b>    | 13.2%       | 11,428         | 20,527         | 35.8%        | 64.2%        |
| ·가 | <b>48,712</b>    | 20.2%       | 3,285          | 45,426         | 6.7%         | 93.3%        |
| ·  | <b>61,848</b>    | 25.6%       | 6,874          | 54,974         | 11.1%        | 88.9%        |
|    | <b>3,169</b>     | 1.3%        | 984            | 2,186          | 31.1%        | 69.0%        |
|    | <b>856</b>       | 0.4%        | 98             | 758            | 11.4%        | 88.6%        |
|    | <b>7,912</b>     | 3.3%        | 6,749          | 1,163          | 85.3%        | 14.7%        |
|    | <b>2,996</b>     | 1.2%        | 147            | 2,849          | 4.9%         | 95.1%        |

: , 2009

&lt; 3-16&gt;

( + )

( : )

|  |    |           |       |         |         | ( : ) |       |
|--|----|-----------|-------|---------|---------|-------|-------|
|  |    | 1,781,027 |       | 910,299 | 870,728 |       |       |
|  |    | 380,447   | 100%  | 201,652 | 178,795 | 59.6% | 40.4% |
|  |    | 124,569   | 32.7% | 74,278  | 50,291  | 64.6% | 35.4% |
|  |    | 58,429    | 15.4% | 37,751  | 20,678  | 42.4% | 57.6% |
|  | ·가 | 78,833    | 20.7% | 33,388  | 45,445  | 44.4% | 55.6% |
|  | ·  | 99,117    | 26.1% | 44,051  | 55,066  | 46.1% | 53.9% |
|  |    | 4,057     | 1.1%  | 1,872   | 2,186   | 15.6% | 84.4% |
|  |    | 898       | 0.2%  | 140     | 758     | 87.4% | 12.6% |
|  |    | 9,629     | 2.5%  | 8,413   | 1,216   | 35.8% | 64.2% |
|  |    | 4,914     | 1.3%  | 1,759   | 3,155   | 4.9%  | 95.1% |

: , 2009

&lt; 3-17&gt;

( : )

|  |    | 137,534,905 | 27,350,411 | 19.9% | 48,400,084 | 35.2% | 61,766,699 | 44.9% |
|--|----|-------------|------------|-------|------------|-------|------------|-------|
|  |    | 24,145,527  | 12,707,339 | 52.6% | 6,502,328  | 26.9% | 4,935,860  | 20.4% |
|  |    | 8,400,668   | 6,363,886  | 75.8% | 1,392,225  | 16.6% | 644,557    | 7.7%  |
|  |    | 3,195,528   | 1,169,073  | 36.6% | 1,427,795  | 44.7% | 598,660    | 18.7% |
|  | ·가 | 4,871,189   | 1,987,385  | 40.8% | 1,396,150  | 28.7% | 1,487,654  | 30.5% |
|  | ·  | 6,184,847   | 3,035,427  | 49.1% | 1,401,144  | 22.7% | 1,748,276  | 28.3% |
|  |    | 316,925     | 49,917     | 15.8% | 139,183    | 43.9% | 127,826    | 40.3% |
|  |    | 85,602      | 2,361      | 2.8%  | 12,935     | 15.1% | 70,306     | 82.1% |
|  |    | 791,181     | 22,672     | 2.9%  | 677,129    | 85.6% | 91,380     | 11.5% |
|  |    | 299,587     | 76,619     | 25.6% | 55,768     | 18.6% | 167,201    | 55.8% |

: , 2009

가 52.6% 가 가  
 26.9%, 가 20.4% .  
 75.8% , 가 ,  
 .  
 ,  
 가 .  
 ,  
 85.8% 20.6 14.2% 3.4  
 . 가

< 3-18>

( : )

|    | 137,534,905 | 111,619,281 | 48,822,440 | 62,796,841 | 18,899,293 | 7,016,332 |
|----|-------------|-------------|------------|------------|------------|-----------|
|    | 24,145,527  | 24,007,073  | 20,651,220 | 3,355,853  | -          | 138,454   |
|    | 8,400,668   | 8,377,737   | 8,062,364  | 315,373    | -          | 22,931    |
|    | 3,195,528   | 3,174,349   | 2,607,909  | 566,440    | -          | 21,178    |
| ·가 | 4,871,189   | 4,851,982   | 4,426,448  | 425,534    | -          | 19,207    |
| ·  | 6,184,847   | 6,154,608   | 5,163,223  | 991,385    | -          | 30,239    |
|    | 316,925     | 315,312     | 179,173    | 136,139    | -          | 1,613     |
|    | 85,602      | 85,562      | 14,396     | 71,165     | -          | 40        |
|    | 791,181     | 756,263     | 45,779     | 710,485    | -          | 34,918    |
|    | 299,587     | 291,260     | 151,928    | 139,332    | -          | 8,327     |

: , 2009

## 2. 기초생활급여사업 예산안

가 , , , .  
 ,  
 , 2009 가 4.4%  
 1,333 가 3 2,524 .  
 가 1가  
 2 6  
 2008 2009 가  
 903 .  
 가  
 103.6% 가 54

< 3-19> 2009

( : , %)

|  | '08 (A)   | '09 (B)   | (B-A)   |       |
|--|-----------|-----------|---------|-------|
|  |           |           |         |       |
|  | 3,119,051 | 3,252,355 | 133,304 | 4.3   |
|  | 2,256,383 | 2,390,101 | 133,718 | 5.9   |
|  | 586,883   | 639,180   | 52,297  | 8.9   |
|  | 85,172    | 110,475   | 25,303  | 29.7  |
|  | 13,249    | 13,475    | 226     | 1.7   |
|  | 3,887     | 3,412     | 475     | 12.2  |
|  | 31,603    | -         | 31,603  |       |
|  | 139,212   | 90,291    | 48,921  | 35.1  |
|  | 2,662     | 5,421     | 2,759   | 103.6 |

: 2008

: 가 , 「2009

», 2008.10

### 3. 기초노령연금 지급사업의 예산안

2007  
 1) , 2009 70%  
 가 5%  
 . 2008 1 70  
 , 2009 70% .  
 2009 8,750 가 2 4,697  
 .

< 3-20 > 2009

( : , %

|  | 08 (A)    | 09 (B)    | (B-A)   |      |
|--|-----------|-----------|---------|------|
|  |           |           |         |      |
|  | 1,594,768 | 2,469,726 | 874,958 | 54.9 |
|  | 1,590,765 | 2,465,890 | 875,125 | 55.0 |
|  | 1,441     | 2,647     | 1,206   | 83.5 |
|  | 2,562     | 1,189     | 1,373   | 53.6 |

: 가 , 「2009 , 2008.10

5

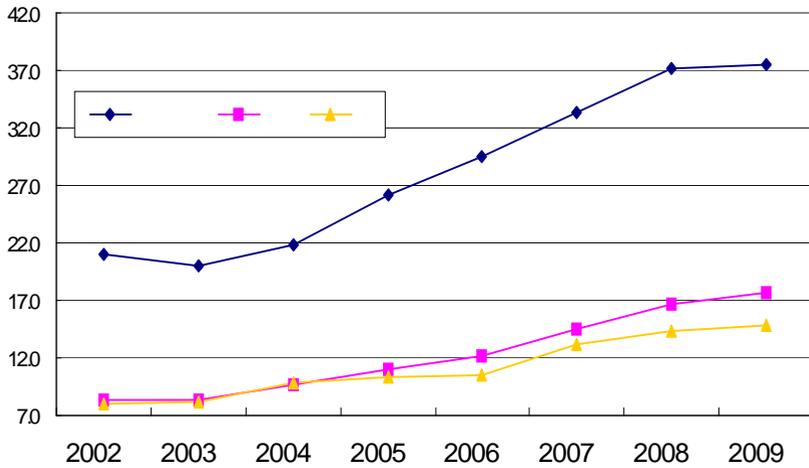


2004 가 ,  
 가

1) 3 ( ) 65

2008 55 , 75.5  
 , 59 , 29.1 가

< 3-4> . .



### 1. 특별시(자치구) : 서울시 강남구와 노원구

가  
 , 가  
 , 2005 2009 5  
 가 20% , 2009 44%  
 가 5  
 10% , 2005 24% 2009 34%

가 . 가 2005 50% 2009 80%  
 가 19% 28% 가 .  
 ( ) 가 가 , 가  
 가 가 .  
 가 . 가  
 가가 가  
 가 .

< 3-21>

:

( : , %)

|  | ( ) |         |         |             |              |         |         |             |              |
|--|-----|---------|---------|-------------|--------------|---------|---------|-------------|--------------|
|  |     | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) |
|  | ( ) | 430,415 | 397,754 | 575,519     | 33.71%       | 281,970 | 294,833 | 389,434     | 38.11%       |
|  | (%) | 89.9%   | 88.0%   | 79.4%       |              | 30.7%   | 28.8%   | 29.2%       |              |
|  | ( ) | 180,665 | 151,889 | 270,159     | 49.54%       | 140,089 | 160,484 | 235,827     | 68.34%       |
|  | ( ) | 42.0%   | 38.4%   | 46.94%      |              | 49.7%   | 54.4%   | 60.56%      |              |
|  | ( ) | 63,186  | 70,253  | 116,114     | 83.77%       | 96,989  | 124,416 | 174,081     | 79.5%        |
|  | ( ) | 14.7%   | 17.8%   | 20.18%      |              | 34.4%   | 42.2%   | 44.7%       |              |
|  | ( ) | 38,290  | 39,627  | 41,463      | 8.3%         | 69,574  | 94,540  | 135,617     | 94.9%        |
|  | ( ) | 8.9%    | 10.0%   | 7.2%        |              | 24.7%   | 32.1%   | 34.8%       |              |
|  | ( ) | 24,461  | 30,892  | 28,700      | 17.33%       | 56,774  | 78,247  | 79,633      | 40.26%       |
|  | ( ) | 7,244   | 11,612  | 8,367       | 15.5%        | 14,140  | 22,786  | 33,643      | 137.9%       |
|  | ( ) | 16,821  | 19,342  | 19,887      | 18.22%       | 42,242  | 54,514  | 45,118      | 6.8%         |
|  | ( ) | 396     | 388     | 446         | 12.6%        | 392     | 947     | 872         | 122.4%       |

< >

|   |     | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) | 2005   | 2007   | 2009<br>( ) | 가<br>(05-09) |
|---|-----|---------|---------|-------------|--------------|--------|--------|-------------|--------------|
| 가 | ( ) | 219,150 | 172,079 | 463,853     | 111.7%       | 56,128 | 35,513 | 110,273     | 96.5%        |
|   | ( ) | 50.9%   | 43.5%   | 80.6%       |              | 19.9%  | 12.0%  | 28.3%       |              |
|   | ( ) |         |         |             |              |        |        |             |              |

: 09 , : + + + + +

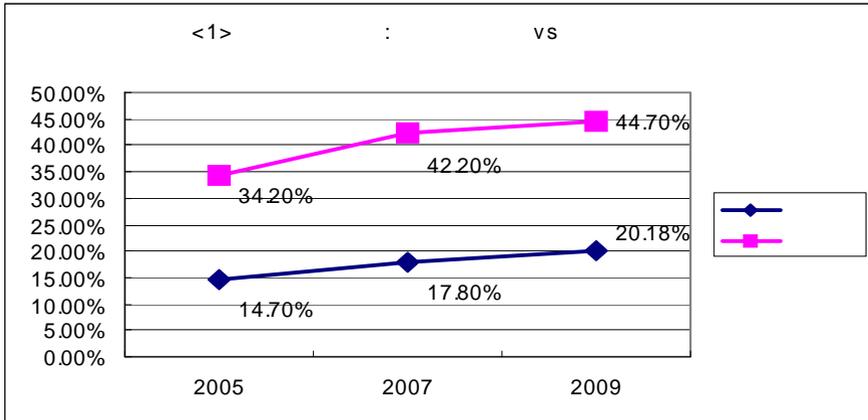
‘ ,

: ( )

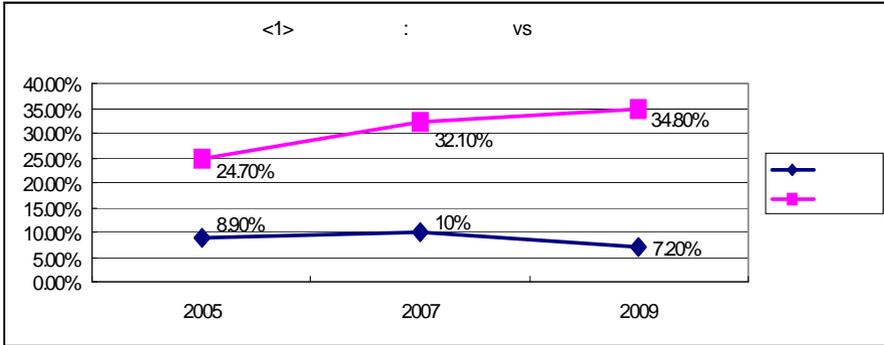
( )

: (www.gangnam.go.kr)- / , 2009

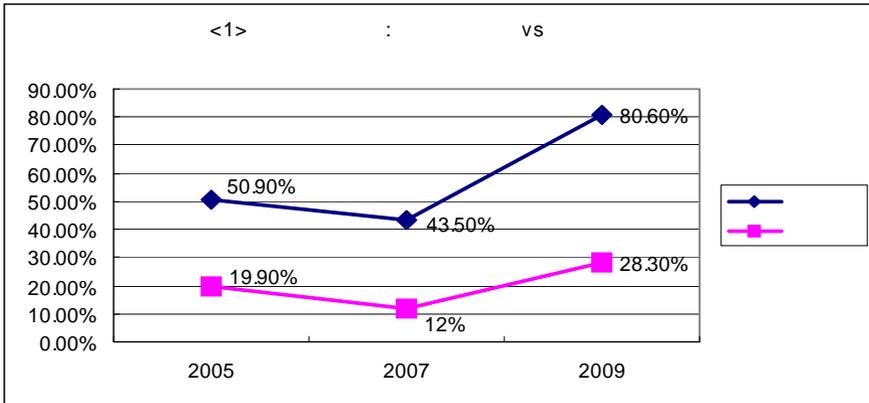
< 3-5> ( )



< 3-6> ( )



< 3-7> ( )



## 2. 광역시 자치구 : 인천 중구와 대구 남구

가  
 . 249 ,  
 56.7 , 248 , 71.2

2008 7 3  
50, 20 17.6 .

가  
2005 가  
가 .  
가 ( ) 가  
5 154% 가  
2009  
가 167% 101.9% 66%  
. , 167%  
175% 8% 가 2005 가  
. ,  
86% 2.9% 가  
가 ,

< 3-22>

:

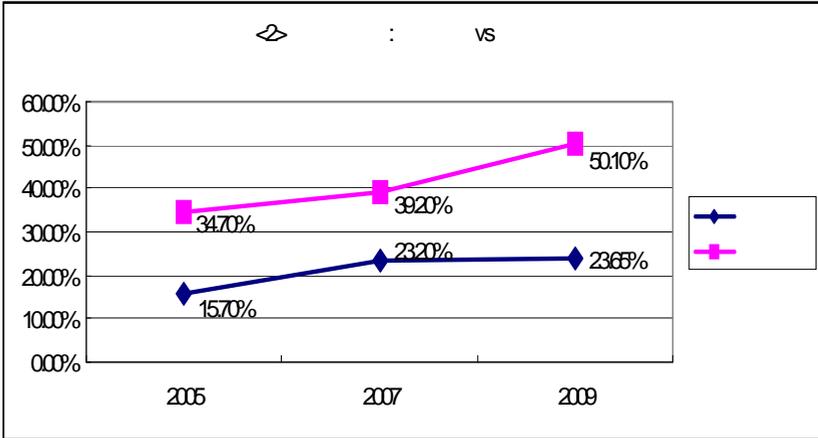
( : , %)

|     |     | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) | 2005    | 2007    | 2009    | 가<br>(05-09) |
|-----|-----|---------|---------|-------------|--------------|---------|---------|---------|--------------|
|     | ( ) | 120,383 | 121,749 | 171,477     | 42.4%        | 100,728 | 126,172 | 186,030 | 84.69%       |
|     | (%) | 55.3%   | 44.0%   | 49.5%       |              | 26.2%   | 21.6%   | 23.2%   |              |
| ( ) |     | 57,256  | 58,784  | 70,987      | 23.98%       | 53,496  | 73,993  | 107,804 | 101.5%       |
|     |     | 47.6%   | 48.3%   | 41.4%       |              | 53.1%   | 58.6%   | 57.95%  |              |
| ( ) |     | 18,856  | 28,303  | 38,069      | 101.9%       | 34,906  | 49,488  | 93,213  | 167%         |
|     |     | 15.7%   | 23.2%   | 23.65%      |              | 34.7%   | 39.2%   | 50.1%   |              |
| ( ) |     | 10,946  | 19,679  | 29,218      | 167%         | 29,785  | 46,732  | 81,871  | 175%         |
|     |     | 9.1%    | 16.2%   | 17%         |              | 29.6%   | 37%     | 44%     |              |
|     |     | 8,174   | 12,315  | 9,604       | 17.5%        | 17,028  | 25,325  | 35,930  | 111%         |
|     |     | 1,293   | 4,125   | 3,295       | 154.8%       | 6,325   | 9,117   | 13,601  | 115%         |
|     | ( ) | 6,801   | 8,080   | 6,155       | -9.5%        | 10,529  | 15,970  | 12,943  | 22.9%        |
|     | ( ) | 80      | 110     | 154         | 92.5%        | 174     | 238     | 386     | 122%         |
| 가   |     | 42,732  | 22,378  | 79,755      | 86.6%        | 67,795  | 72,113  | 69,753  | 2.9%         |
|     | ( ) | 35.5%   | 18.4%   | 46.5%       |              | 67.3%   | 57.1%   | 37.5%   |              |
| ( ) |     |         |         |             |              |         |         |         |              |

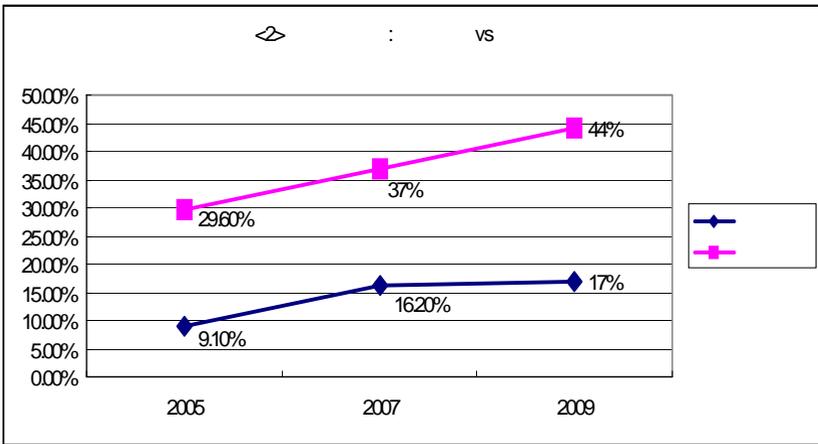
09 : + , + + + + ‘

: : ( )  
: (www.icjg.go.kr)- /

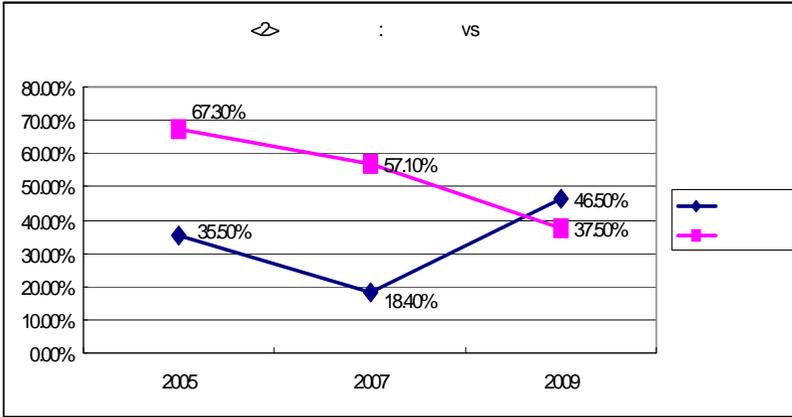
< 3-8> ( )



< 3-9> ( )



< 3-10> ( )



### 3. 군 : 경기 여주군과 충북 영동군

( 10 ) ( 6 ) . 가  
 가  
 가 42.4, 16  
 3 가 .  
 가  
 . , 가  
 가 (89%) . 가  
 109%, 171% 가 .  
 가  
 . ( ) 가  
 .  
 가 가 .  
 .

가 73% 가 146%  
 . 가  
 가

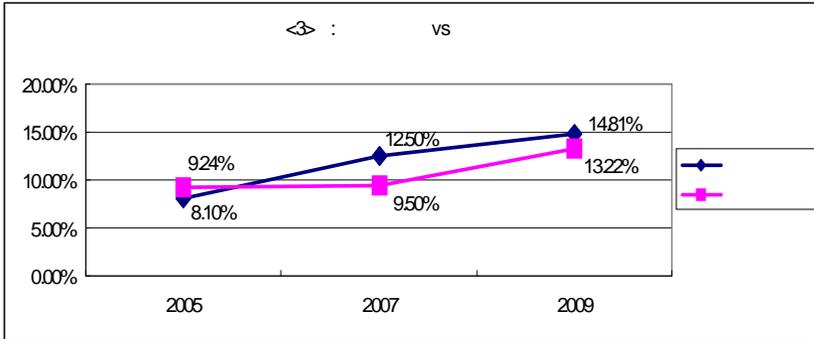
< 3-23> :

( : , %)

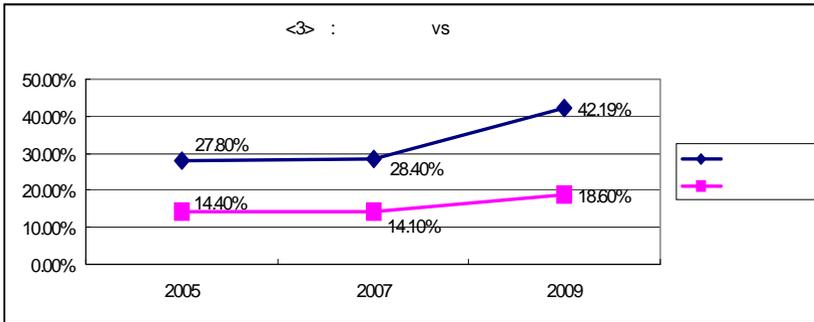
|     |     | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) |
|-----|-----|---------|---------|-------------|--------------|---------|---------|-------------|--------------|
| ( ) |     | 330,706 | 292,376 | 379,241     | 14.68%       | 148,895 | 217,819 | 282,701     | 89.9%        |
| (%) |     | 38.1%   | 40.2%   | 39.7%       |              | 15.3%   | 15.3%   | 15.9%       |              |
| ( ) |     | 178,955 | 137,167 | 176,644     | -1.29%       | 62,286  | 109,222 | 125,684     | 101.8%       |
|     |     | 54.1%   | 46.9%   | 46.58%      |              | 41.83%  | 50.14%  | 44.46%      |              |
| ( ) |     | 26,791  | 36,541  | 56,171      | 109.7%       | 13,756  | 20,677  | 37,362      | 171.6%       |
|     |     | 8.1%    | 12.5%   | 14.81%      |              | 9.24%   | 9.5%    | 13.22%      |              |
| ( ) |     | 13,936  | 20,163  | 38,863      | 178.9%       | 8,315   | 12,414  | 26,430      | 218%         |
|     |     | 4.2%    | 6.9%    | 10.25%      |              | 5.6%    | 5.7%    | 9.35%       |              |
| ( ) |     | 8,823   | 12,190  | 12,537      | 42.1%        | 5,806   | 7,220   | 8,976       | 54.6%        |
|     |     | 3,048   | 4,599   | 5,343       | 75.3%        | 1,890   | 1,662   | 3,302       | 74.7%        |
|     |     | 5,723   | 7,438   | 7,001       | 22.33%       | 3,874   | 5,413   | 5,493       | 41.79%       |
|     |     | 52      | 153     | 193         | 271%         | 42      | 145     | 181         | 331%         |
| 가   |     | 92,009  | 83,114  | 159,984     | 73.88%       | 21,370  | 30,711  | 52,598      | 146.1%       |
|     | ( ) | 27.8%   | 28.4%   | 42.19%      |              | 14.4%   | 14.1%   | 18.6%       |              |
| ( ) |     |         |         |             |              |         |         |             |              |

: (www.yj21.net)-  
 (www.yd21.go.kr)- /

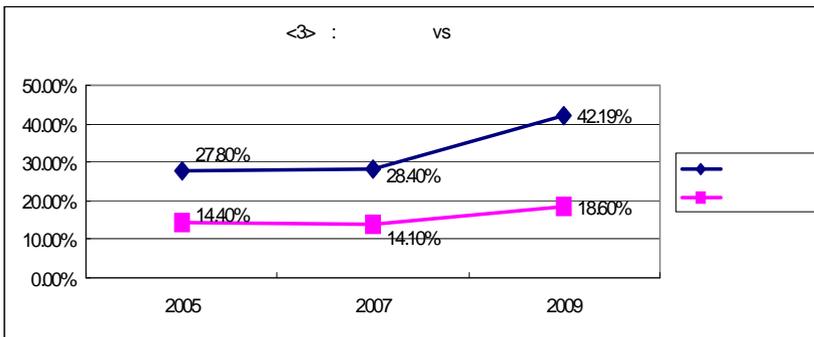
< 3-11> ( )



< 3-12> ( )



< 3-13> ( )



### 4. 시 : 경기 양주시와 전남 나주시

가 15% . 2008 16 ,  
35.3 , 9 7 , 13.8 .  
가 가  
가  
가 10  
가 , ,  
가 가 가 가  
가 가 가 가  
가 가 가 가  
가 가 가 가  
가 가 가 가  
가 가 , 15.8% 18.9% 5  
가 가 가  
가 가 가 67% 4 가 260% 가  
가 가 가  
가 가 가 ,  
가 가 316% 가 .  
2005 1,139 2009 2,824 147% 가  
2005 804 1,017 가 26% 가

< 3-24 > :

( : , %)

|     |     | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) | 2005    | 2007    | 2009<br>( ) | 가<br>(05-09) |
|-----|-----|---------|---------|-------------|--------------|---------|---------|-------------|--------------|
| ( ) | ( ) | 343,972 | 389,600 | 477,349     | 38.78%       | 334,422 | 338,919 | 402,530     | 20.37%       |
|     | (%) | 35.3%   | 31.3%   | 55.2%       |              | 13.8%   | 11.1%   | 15.1%       |              |
| ( ) | ( ) | 135,773 | 177,731 | 252,346     | 85.86%       | 139,692 | 150,904 | 198,039     | 41.77%       |
|     | ( ) | 39.47%  | 45.62%  | 52.86%      |              | 41.8%   | 44.5%   | 49.2%       |              |
| ( ) | ( ) | 23,236  | 50,628  | 75,604      | 225%         | 45,696  | 59,338  | 76,431      | 67.26%       |
|     | ( ) | 6.76%   | 12.99%  | 15.84%      |              | 13.7%   | 17.5%   | 18.99%      |              |
| ( ) | ( ) | 13,376  | 25,940  | 48,115      | 260%         | 31,346  | 41,391  | 58,694      | 87.25%       |
|     | ( ) | 3.89%   | 6.66%   | 10.1%       |              | 9.4%    | 12.2%   | 14.6%       |              |
| ( ) | ( ) | 11,504  | 17,033  | 24,941      | 116.8%       | 19,949  | 28,134  | 28,148      | 41.1%        |
|     | ( ) | 6,072   | 8,386   | 17,070      | 181%         | 4,696   | 9,970   | 9,097       | 93.7%        |
|     | ( ) | 5,400   | 8,535   | 7,738       | 43.3%        | 13,780  | 16,165  | 16,869      | 22.42%       |
|     | ( ) | 32      | 112     | 133         | 316%         | 1,473   | 1,999   | 2,182       | 48.13%       |
| 가   | ( ) | 113,930 | 135,774 | 282,421     | 147.9%       | 80,486  | 78,744  | 101,786     | 26.46%       |
|     | ( ) | 33.12%  | 34.85%  | 59.16%      |              | 24.1%   | 23.2%   | 25.29%      |              |
| ( ) | ( ) |         |         |             |              |         |         |             |              |

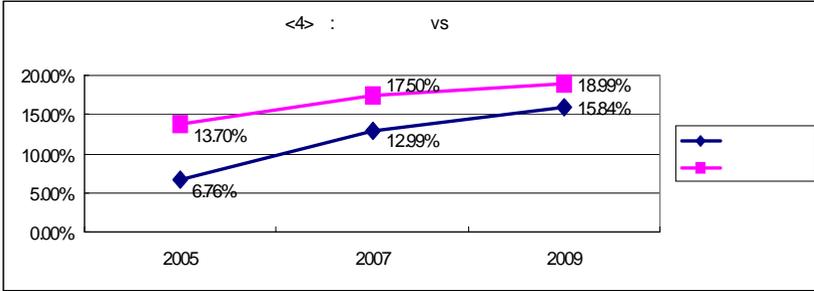
:

(www.yangju.go.kr)-

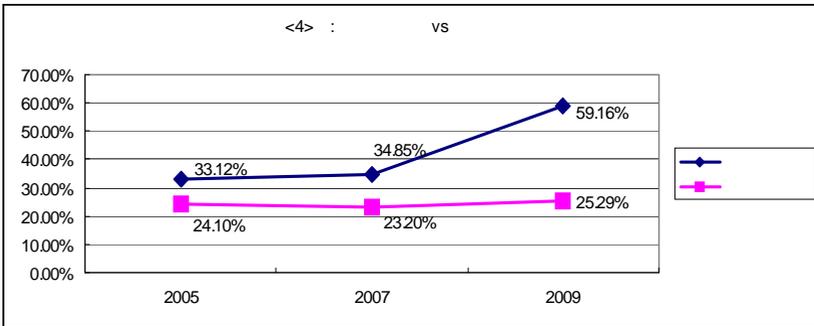
-

(www.naju.go.kr)-

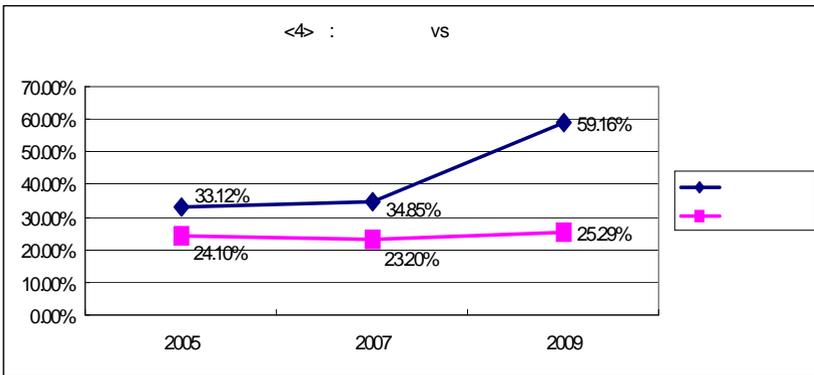
< 3-14> ( )

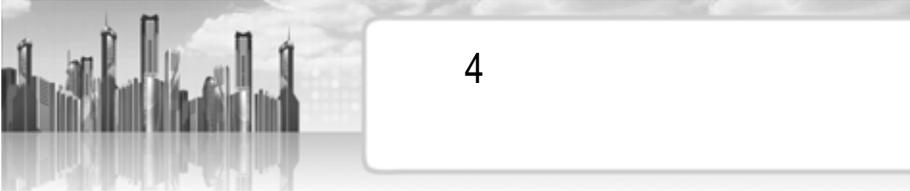


< 3-15> ( )



< 3-16> ( )





## 1. 의무지출 예산사업의 문제점

가  
 . 2010 58  
 71.9% 71.5%

< 4-1> 2010

( : , %)

|          | 2009    |         | 2010( ) | 2009  | 2009  |
|----------|---------|---------|---------|-------|-------|
|          |         |         |         | 가     | 가     |
| ( , A)   | 284.5   | 301.8   | 291.8   | 2.6   | -3.3  |
| (B)      | 742,228 | 800,250 | 805,983 | 8.6   | 0.7   |
| ( , B/A) | (26.1)  | (26.5)  | (27.6)  | -     | -     |
| (C)      | 745,893 | 804,151 | 805,398 | 8.6   | 0.8   |
| ( , C/A) | (26.2)  | (26.6)  | (27.6)  | -     | -     |
| [ ](D)   | 538,191 | 563,956 | 579,344 | 7.6   | 2.7   |
| ( , D/B) | (72.5)  | (70.5)  | (71.9)  | -     | -     |
| ( , D/C) | (72.2)  | (70.1)  | (71.5)  | -     | -     |
| ○        | 69,843  | 73,162  | 71,486  | 2.4   | -2.3  |
| ○ ( )    | 24,697  | 24,697  | 27,236  | 10.3  | 10.3  |
| ○ ,      | 3,097   | 3,097   | 2,018   | -34.8 | -34.8 |
| ○        | -       | -       | 1,519   |       |       |
| ○        | 13,146  | 13,146  | 16,980  | 29.2  | 29.2  |

|   | 2009    |         | 2010( ) | 2009 | 2009  |
|---|---------|---------|---------|------|-------|
|   |         |         |         | 가    | 가     |
| ○ | 3,284   | 3,284   | 3,869   | 17.8 | 17.8  |
| ○ | 52,040  | 52,040  | 53,827  | 3.4  | 3.4   |
| ○ | 238,197 | 238,197 | 260,884 | 9.5  | 9.5   |
| ○ | 56,562  | 79,008  | 59,282  | 4.8  | -25.0 |
| ○ | 43,728  | 43,728  | 46,470  | 6.3  | 6.3   |
| ○ | 33,597  | 33,597  | 35,773  | 6.5  | 6.5   |

: (2009)

가 가

가 가

가 . 2006~2010

23.9% 가 ,

가 8.0%p 35.9% . 2005

가 .

가 가 ,

가 .

가

가 , 가

가

## 2. 사회복지업무의 지방이양 관련 문제점

가. 가

가

가

가

가 ( , 2008).

( , , ), ,

가 (2002-2006) 18%

가 8.7%

가 가

, 가 .

“ ”

가 ,

가 .

|            |       |           |         |
|------------|-------|-----------|---------|
| 2006       | 9,805 | 2002      | 6,728   |
| 45.5%가 가 . | 2     | (’05~’06) |         |
| 가 17.6%    | 3     | (’02~’04) | 가 13.6% |

가 .

&lt; 4-2&gt;

가

|           |       |       |       |       |       | 가 (%) |      |
|-----------|-------|-------|-------|-------|-------|-------|------|
|           | 2002  | 2003  | 2004  | 2005  | 2006  |       |      |
| (A) ( : ) | 6,728 | 6,977 | 7,136 | 9,094 | 9,805 | 13.5  | 17.6 |
| (B) ( )   | 1,731 | 1,948 | 2,205 | 3,092 | 3,623 | 14.3  | 28.7 |
| (C) ( )   | 1,674 | 1,691 | 1,709 | 1,727 | 1,747 | 1.0   | 1.1  |
| (A/C)     | 4.0   | 4.1   | 4.2   | 5.3   | 5.6   | 12.5  | 16.4 |
| (B/C)     | 1.0   | 1.2   | 1.3   | 1.8   | 2.1   | 13.2  | 27.3 |

\* :

가

가

. 2006

( ) 1,166

2004 139% 가

2~4 가 .

&lt; 4-3&gt;

( : )

|  |      |      |      |      |       | 가 (%) |      |      |
|--|------|------|------|------|-------|-------|------|------|
|  | 2002 | 2003 | 2004 | 2005 | 2006  |       |      |      |
|  | 240  | 351  | 488  | 813  | 1,166 | 23.3  | 55.0 | 36.0 |
|  | 213  | 225  | 237  | 265  | 288   | 5.3   | 10.2 | 7.3  |
|  | 55   | 55   | 55   | 56   | 57    | 0.0   | 1.8  | 0.7  |
|  | 239  | 239  | 239  | 242  | 243   | 0.1   | 0.8  | 0.4  |

:

가  
 가, . 가  
 , . 2005  
 , 가 .  
 , .  
 , 가 .  
 가 가 .  
 가 가  
 가 .  
 가  
 ( , 2008: , 2008). 2007 10 59  
 , 11,824 가 30%  
 가 89.9%( ) ( , 2008).  
 37% (11),  
 (6), (5) 3 ( , 2008).  
 ( , 2009).  
 가 가 .  
 가  
 가 .

&lt; 4-4&gt;

(2006.12 )

|  | 1,640 | 5,566 | 1,231 | 1,444 | 2,070 | 96 | 86 | 397 | 242 |
|--|-------|-------|-------|-------|-------|----|----|-----|-----|
|  | 133   | 915   | 167   | 335   | 212   | 56 | 19 | 95  | 31  |
|  | 79    | 377   | 106   | 75    | 113   | 7  | 9  | 49  | 18  |
|  | 68    | 208   | 62    | 60    | 38    | 6  | 9  | 25  | 8   |
|  | 58    | 267   | 44    | 69    | 121   | 2  | 3  | 17  | 11  |
|  | 45    | 222   | 56    | 37    | 97    | 1  | 4  | 19  | 8   |
|  | 58    | 198   | 38    | 40    | 7     | 5  | 6  | 18  | 4   |
|  | 29    | 137   | 34    | 46    | 42    | 1  | 2  | 7   | 5   |
|  | 308   | 974   | 208   | 257   | 409   | 10 | 9  | 49  | 32  |
|  | 92    | 304   | 57    | 107   | 107   | 4  | 1  | 13  | 15  |
|  | 121   | 238   | 27    | 66    | 118   | 1  | 4  | 10  | 12  |
|  | 94    | 185   | 46    | 20    | 88    | 1  | -  | 15  | 15  |
|  | 155   | 362   | 103   | 63    | 150   | 2  | 9  | 17  | 18  |
|  | 125   | 411   | 105   | 53    | 216   | -  | -  | 16  | 21  |
|  | 130   | 309   | 73    | 89    | 108   | -  | 4  | 15  | 20  |
|  | 106   | 356   | 78    | 99    | 131   | -  | 5  | 23  | 20  |
|  | 39    | 103   | 27    | 28    | 33    | -  | 2  | 9   | 4   |

1 :

: , , ( )  
 : , ( )  
 : ( 가 )  
 : , ( )  
 ,

2 :

: 가 ( , ), 가 ( )  
 : , , ( )  
 : ,  
 : ( )

: <2007 >

가 .

,

.

(2009)

, 67

, , , ,

10

가

가

.

18

49

< 4-5> 2005

67

|    |   |  |  |  |    |     |  |  |
|----|---|--|--|--|----|-----|--|--|
|    |   |  |  |  |    |     |  |  |
| 1  |   |  |  |  | 35 |     |  |  |
| 2  |   |  |  |  | 36 | 가   |  |  |
| 3  |   |  |  |  | 37 |     |  |  |
| 4  | . |  |  |  | 38 |     |  |  |
| 5  |   |  |  |  | 39 |     |  |  |
| 6  |   |  |  |  | 40 | ( ) |  |  |
| 7  |   |  |  |  | 41 | 가   |  |  |
| 8  | 가 |  |  |  | 42 |     |  |  |
| 9  |   |  |  |  | 43 |     |  |  |
| 10 |   |  |  |  | 44 |     |  |  |
| 11 | 가 |  |  |  | 45 | 가   |  |  |
| 12 |   |  |  |  | 46 |     |  |  |
| 13 |   |  |  |  | 47 |     |  |  |
| 14 |   |  |  |  | 48 | PC  |  |  |

< >

|    |     |  |  |  |    |     |  |    |    |
|----|-----|--|--|--|----|-----|--|----|----|
|    |     |  |  |  |    |     |  |    |    |
| 15 |     |  |  |  | 49 |     |  |    |    |
| 16 | ( ) |  |  |  | 50 |     |  |    |    |
| 17 | ( ) |  |  |  | 51 | 가   |  |    |    |
| 18 |     |  |  |  | 52 | 가   |  |    |    |
| 19 |     |  |  |  | 53 | 가   |  |    |    |
| 20 |     |  |  |  | 54 |     |  |    |    |
| 21 |     |  |  |  | 55 |     |  |    |    |
| 22 | 가   |  |  |  | 56 | ( ) |  |    |    |
| 23 |     |  |  |  | 57 |     |  |    |    |
| 24 |     |  |  |  | 58 |     |  |    |    |
| 25 |     |  |  |  | 59 | 가   |  |    |    |
| 26 |     |  |  |  | 60 |     |  |    |    |
| 27 |     |  |  |  | 61 |     |  |    | 가  |
| 28 |     |  |  |  | 62 |     |  |    |    |
| 29 |     |  |  |  | 63 |     |  |    |    |
| 30 |     |  |  |  | 64 |     |  |    |    |
| 31 |     |  |  |  | 65 |     |  |    |    |
| 32 |     |  |  |  | 66 |     |  |    |    |
| 33 |     |  |  |  | 67 |     |  |    |    |
| 34 |     |  |  |  |    |     |  | 18 | 49 |

: ‘ 가’ : 2006.11 (2007 ) 가 .  
 : (2009)

### 3. 분권교부세의 문제점

149

0.83%

2004

149 9,581 88.24% 8,454

11.76% 1,127

2004

가

( , 2006).

0.94%

가

가

가

가

( , 2009).

가

가

( , 2009:54).

가 3 ( , , ) , 가 .3 ( ) 가 . '08 48% '04 488 '05 813 , '06 1,166 , '07 1,498 '08 2,081 2,081 572 (27.5%) , 59 22 가 (11), (6), (5) 44%, 38%, 37%, 35% , 55%, 48%, 46%, 37% . 가 ( , 2008). (block grant) , 가 .

#### 4. 지방교부세 제도의 한계

가 .

가 .

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( )

, , , ,

가 ( , 2008).

가 . OECD(2006) 가

가 ( , , ) .

가 .

( , 2008). 가

, 가

가

.

2008 25%

,

. 가

가 . 가

### 5. 국고보조금 제도의 문제점

가 가 . 2005

2007

< 4-6> 68%~71% 2004 (56%)

가 (16.1%) ( ) 가

(8.2%) 2 가 . 가

가

< 4-6> ( )

( : )

|  | 2005            | 2006            | 2007(A)         | 2008(B)         | 가     |
|--|-----------------|-----------------|-----------------|-----------------|-------|
|  | 9,755<br>(44%)  | 8,454<br>(29%)  | 10,065<br>(32%) | 11,053<br>(31%) | 8.2%  |
|  | 12,669<br>(56%) | 20,215<br>(71%) | 21,284<br>(68%) | 24,257<br>(69%) | 24.2% |
|  | 22,424          | 28,669          | 31,349          | 35,310          | 16.6% |

:

: ( )

2004 1 2,951

, ( )가 6,107 가 6,845

52.8% . 2007 2

2,482 가 7,734 가 1 4,747  
65.6%

,  
가 . 2008 , ,  
가 .  
,  
, (moral hazard)  
, 가 ,  
, 가  
,  
,

< 4-7>

(2002~2007)

( : )

|       |        |        |         |         |         |         | 가 (%) |      |      |
|-------|--------|--------|---------|---------|---------|---------|-------|------|------|
|       | 2002   | 2003   | 2004    | 2005    | 2006    | 2007    |       |      |      |
| (A)   | 86,481 | 94,264 | 106,678 | 128,858 | 153,220 | 172,825 | 11.1  | 19.8 | 15.5 |
| (B)   | 70,378 | 74,459 | 87,513  | 95,051  | 115,884 | 135,485 | 11.7  | 15.3 | 13.5 |
| (B/A) | 81.4   | 79.0   | 82.0    | 73.8    | 75.6    | 78.4    | 80.8  | 74.7 | 78.4 |
| (C)   | 49,488 | 51,554 | 61,027  | 64,977  | 78,690  | 92,495  | 11.3  | 13.8 | 12.5 |
| (C/B) | 70.3   | 69.2   | 69.7    | 68.4    | 67.9    | 68.3    | 69.7  | 68.2 | 69.1 |
| (D)   | 20,890 | 22,905 | 26,486  | 30,074  | 37,194  | 42,990  | 12.6  | 18.6 | 15.6 |
| (D/B) | 29.7   | 30.8   | 30.3    | 31.6    | 32.1    | 31.7    | 30.3  | 31.9 | 30.9 |
| (E)   | 9,247  | 10,434 | 12,951  | 16,820  | 19,201  | 22,482  | 18.5  | 22.0 | 20.2 |
| (E/A) | 10.7   | 11.1   | 12.1    | 13.1    | 12.5    | 13.0    | 11.3  | 12.8 | 11.9 |

|         |       |       |       |        |        |        | 가 (%) |      |      |
|---------|-------|-------|-------|--------|--------|--------|-------|------|------|
|         | 2002  | 2003  | 2004  | 2005   | 2006   | 2007   |       |      |      |
| ( ) (F) | 4,215 | 4,912 | 6,107 | 5,531  | 6,955  | 7,734  | 20.4  | 8.2  | 14.3 |
| (F/E)   | 45.6  | 47.1  | 47.2  | 32.9   | 36.2   | 34.4   | 46.6  | 34.6 | 41.8 |
| (G)     | 5,032 | 5,521 | 6,845 | 11,289 | 12,246 | 14,747 | 16.8  | 36.7 | 26.8 |
| (G/E)   | 54.4  | 52.9  | 52.8  | 67.1   | 63.8   | 65.6   | 53.4  | 65.4 | 58.2 |

: , 「 - 」, 2006  
 , 2008.4.

(= / )

,  
 ( , 2008).

가

(

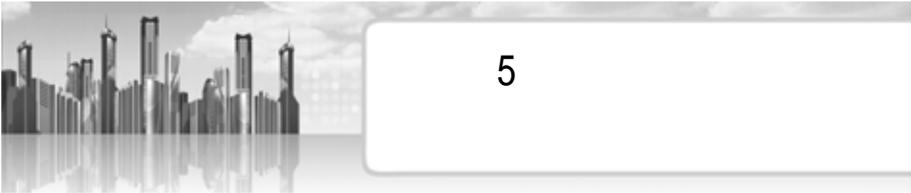
)

가

가

. , , 3 (step function)  
 가 (threshold effect)가 .  
 (40%)  
 (63%) 가 23%p .  
 (21%) 19%p .

(linear function) 가  
가 . 가  
가 3  
가 .



1



### 1. 개요

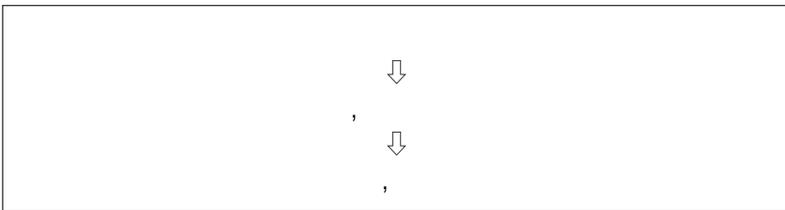
가 . 가 OECD 가  
 , 가 OECD 가  
 50%  
 , 가  
 .  
 가 가 .  
 가 가 .  
 .  
 ,  
 .  
 .  
 가  
 가 .

가  
 가 가  
 가 가가

## 2. 5세별 자치단체 인구전망

가.

5  
 1999-2008 10 5  
 2009-2018 10 5  
 65 15



. 5

5



< >

• A 2009 5-9  
 = (A 2004 0-4 ) \* 5  
 = (A 2004 0-4 ) \* (5 + 5 )  
 = (A 2004 0-4 ) \* (2004 5-9 / 1999 0-4 )

• A 2009 0-4  
 = (A 2009 30-34 ) \* 0-4

\* 10 가 200% 5  
 가

• 2009 5 = 2008 5 + 5 5 가

. 65

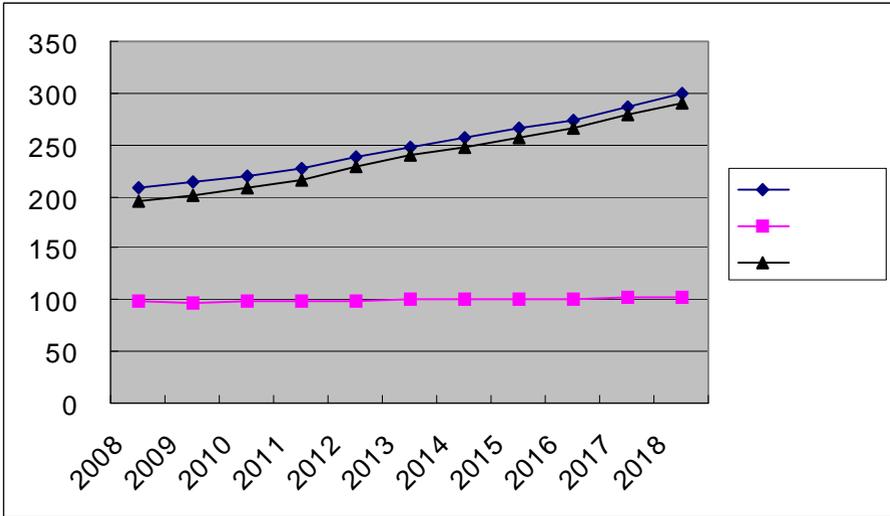
10 65 가 . 2008  
 65 507 2018 700 38.1% 가  
 .  
 가가 44% 49%  
 가 가 .

< 5-1> 65

(2008-2018)

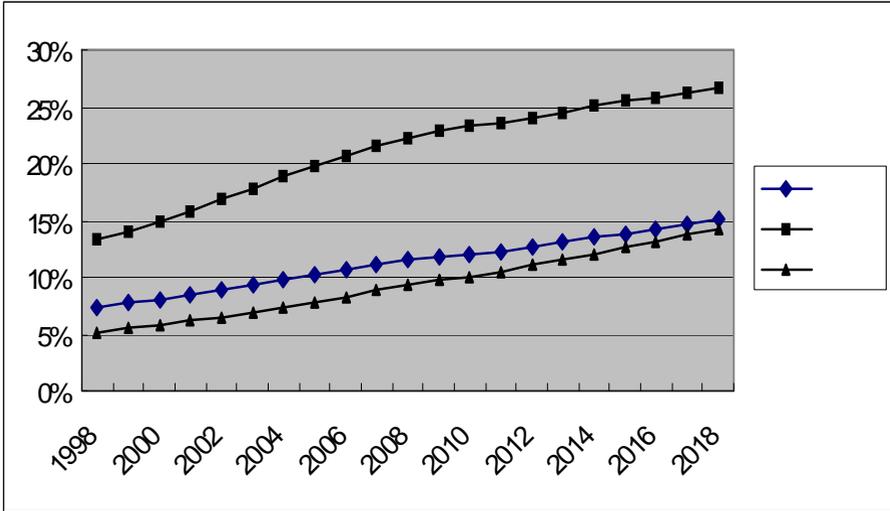
|  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | 506.9 | 519.0 | 532.6 | 549.0 | 573.0 | 596.5 | 613.0 | 632.6 | 648.4 | 676.3 | 699.7 |
|  | 201.0 | 207.3 | 214.4 | 223.1 | 235.3 | 246.9 | 255.5 | 265.4 | 273.7 | 287.4 | 298.7 |
|  | 306.0 | 311.6 | 318.2 | 325.9 | 337.7 | 349.6 | 357.5 | 367.1 | 374.6 | 388.9 | 401.0 |
|  | 207.6 | 213.8 | 220.3 | 227.7 | 238.0 | 248.5 | 257.2 | 266.6 | 274.2 | 287.3 | 298.8 |
|  | 98.3  | 97.7  | 97.8  | 98.0  | 99.5  | 101.0 | 100.2 | 100.4 | 100.4 | 101.8 | 102.6 |
|  | 194.6 | 200.8 | 207.7 | 216.3 | 228.2 | 239.4 | 247.9 | 257.6 | 265.7 | 279.0 | 289.8 |

< 5-1> 65



가 10  
 가 , 10  
 가 가 .  
 2008 22.3% ,  
 가 .  
 10 50% 가 ,  
 가 , .

< 5-2> 65



< 5-2>

|  | 1998<br>(A) | 2008<br>(B) | 2018<br>(C) | 10<br>(B-A) | 10<br>(C-B) | (C-A)  |
|--|-------------|-------------|-------------|-------------|-------------|--------|
|  | 7.4%        | 11.6%       | 15.1%       | 4.2%p       | 3.5%p       | 7.7%p  |
|  | 13.4%       | 22.3%       | 26.7%       | 8.9%p       | 4.4%p       | 13.3%p |
|  | 5.2%        | 9.3%        | 14.3%       | 4.1%p       | 5.0%p       | 9.1%p  |

. 15

가 15

가

. 2008 15

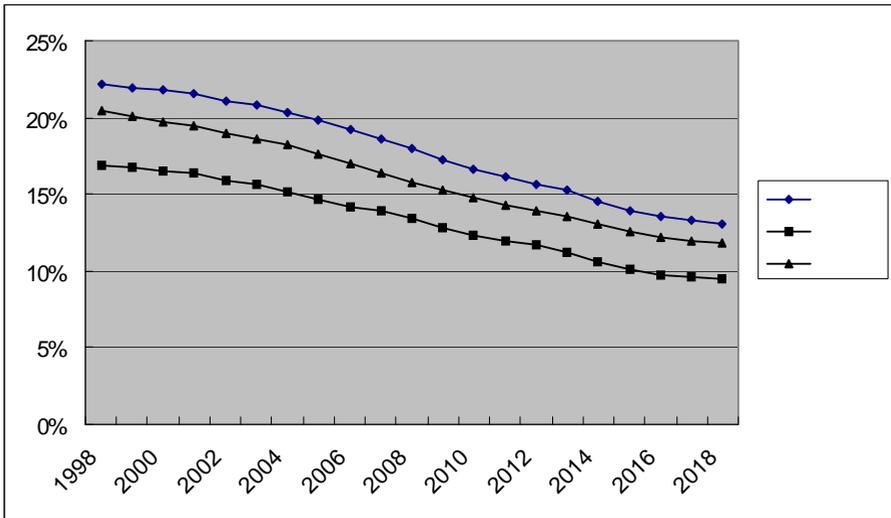
852 ,

10 2018 20% 680 .

< 5-3> (2008-2018)

|  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | 851.9 | 822.6 | 800.0 | 782.4 | 767.9 | 753.4 | 728.8 | 706.1 | 691.9 | 685.4 | 680.7 |
|  | 373.9 | 358.0 | 346.1 | 336.6 | 329.0 | 321.6 | 307.1 | 295.0 | 286.7 | 282.6 | 278.9 |
|  | 478.0 | 464.6 | 453.9 | 445.8 | 439.0 | 431.8 | 421.7 | 411.1 | 405.2 | 402.9 | 401.8 |
|  | 408.7 | 399.5 | 391.6 | 385.3 | 379.6 | 374.6 | 368.6 | 360.9 | 356.6 | 354.9 | 355.1 |
|  | 67.7  | 63.1  | 60.2  | 58.4  | 57.5  | 55.7  | 51.4  | 48.5  | 46.9  | 46.5  | 45.7  |
|  | 364.5 | 349.4 | 337.9 | 328.7 | 321.2 | 313.7 | 299.9 | 288.2 | 280.1 | 276.0 | 272.1 |

< 5-3> 15



15 가 가 가 가

< 5-4>

|  | 1998<br>(A) | 2008<br>(B) | 2018<br>(C) | (B - A) | (C - B) | (C - A) |
|--|-------------|-------------|-------------|---------|---------|---------|
|  | 22.1%       | 18.0%       | 13.1%       | -4.1%p  | -4.9%p  | -9.0%p  |
|  | 16.8%       | 13.4%       | 9.4%        | -3.5%p  | -3.9%p  | -7.4%p  |
|  | 20.5%       | 15.8%       | 11.8%       | -4.7%p  | -4.0%p  | -8.7%p  |

### 3. 복지수요 전망

가.

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10 가

.  
가 .

가 .

가

가 .

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.

. < 5-5>

가

< 5-5 >

|  |  | 0.618  | 0.440  |
|--|--|--------|--------|
|  |  | -0.582 | -0.691 |
|  |  | 0.847  | 0.924  |
|  |  | -0.866 | -0.806 |
|  |  | 0.855  | 0.884  |
|  |  | -0.637 | -0.669 |
|  |  | 0.632  | 0.797  |
|  |  | -0.609 | -0.517 |
|  |  | 0.632  | 0.649  |
|  |  | -0.415 | -0.533 |

가

2005-2007 3

가 가

3

3

$$= 0 + 1^* + 2^*$$

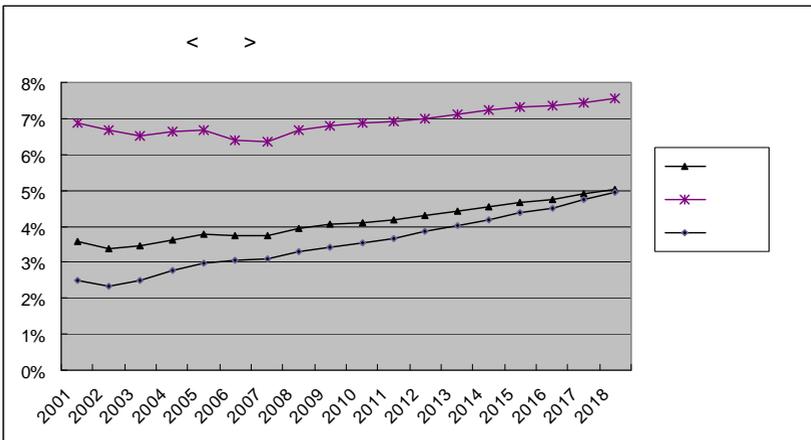
< 5-6>

|  |        | t-     |        | t-     |        | t-      |
|--|--------|--------|--------|--------|--------|---------|
|  | 0.019  | 3.207  | 0.032  | 4.026  | 0.017  | 5.919   |
|  | 0.311  | 10.759 | 0.198  | 7.615  | 0.329  | 12.597  |
|  | -0.042 | -5.119 | -0.049 | -3.062 | -0.041 | -10.835 |
|  | 0.758  |        | 0.417  |        | 0.616  |         |
|  | 225    |        | 258    |        | 210    |         |

10

2008 가 3.3% 10 4.9% 가  
 가 7.5% 가 .

< 5-4>



< 5-7>

|  | 2001<br>(A) | 2008<br>(B) | 2018<br>(C) | (B-A)  | (C-B) | (C-A) |
|--|-------------|-------------|-------------|--------|-------|-------|
|  | 3.6%        | 3.9%        | 5.0%        | 0.4%p  | 1.1%p | 1.4%p |
|  | 6.9%        | 6.7%        | 7.5%        | -0.2%p | 0.9%p | 0.7%p |
|  | 2.5%        | 3.3%        | 4.9%        | 0.8%p  | 1.6%p | 2.5%p |

가 가  
가 가  
가 .

< 5-8>

|      |        | t-     |        | t-     |        | t-      |
|------|--------|--------|--------|--------|--------|---------|
|      | 0.033  | 10.024 | 0.031  | 9.254  | 0.030  | 22.474  |
|      | 0.200  | 12.523 | 0.162  | 14.546 | 0.159  | 13.367  |
|      | -0.028 | -6.097 | -0.016 | -2.329 | -0.021 | -12.514 |
| 2006 | 0.003  | 2.882  | 0.005  | 4.670  | 0.002  | 2.732   |
| 2007 | 0.003  | 3.442  | 0.007  | 6.683  | 0.002  | 3.328   |
|      | 0.818  |        | 0.696  |        | 0.686  |         |
|      | 225    |        | 258    |        | 210    |         |

10

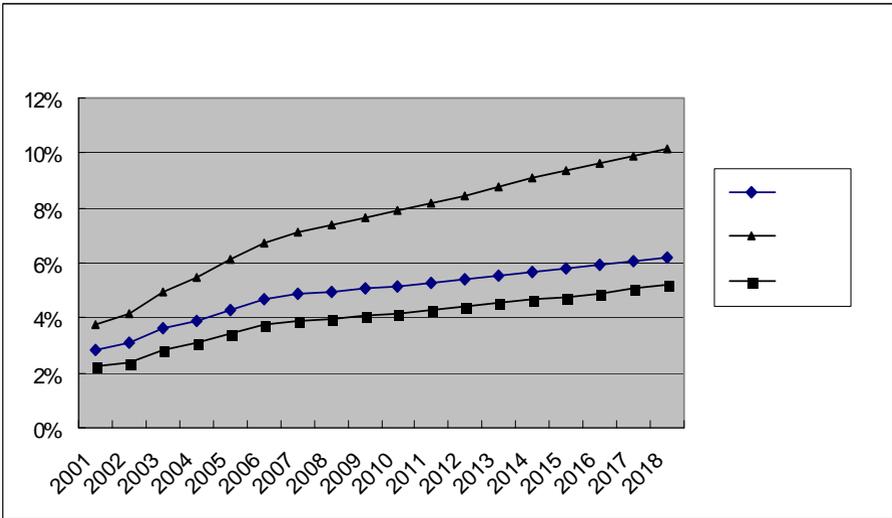
2007 가 2007 가  
가 .

$$= 0 + 1^* + 2^* + 2007 \text{ 가 } *t$$

t = 1, 2, 3, ..., 10

가 , 7  
 10 가 가 .  
 가 가 가  
 가 .  
 가 가 10 10.2%  
 가  
 가 가 .  
 가 가 가

< 5-5 >





## 1. 사회복지비 결정요인

2008

2008-2009 2

1

가

, 65

65

가

가

< 5-10>

(2008-09 OLS )

|    | t      |        | t      |        |
|----|--------|--------|--------|--------|
| Y  | 6.115  | 1.784  | 5.205  | 4.551  |
| 65 | 3.453  | 4.205  | -0.058 | -0.258 |
|    | 0.199  | 0.684  | 0.376  | 2.223  |
|    | -4.203 | -3.915 | 0.265  | 0.904  |
|    | 0.796  | 2.530  | -0.112 | -1.393 |
|    | 0.064  | 0.191  | 0.506  | 4.551  |
|    | 0.985  |        | 0.988  |        |
|    | 14     |        | 18     |        |

65

< 5-11> (2008-09 OLS )

|    |       | t      |        | t      |        | t      |
|----|-------|--------|--------|--------|--------|--------|
| Y  | 6.637 | 10.470 | 2.760  | 2.683  | 5.074  | 6.305  |
| 65 | 0.093 | 1.439  | -0.172 | -2.209 | 0.011  | 0.252  |
|    | 0.305 | 7.726  | 0.134  | 3.113  | 0.337  | 9.983  |
|    | 0.195 | 2.533  | 0.563  | 6.006  | 0.263  | 6.164  |
|    | 0.064 | 2.304  | 0.019  | 0.884  | -0.090 | -3.050 |
|    | 0.253 | 4.601  | 0.530  | 7.930  | 0.473  | 5.989  |
|    | 0.953 |        | 0.908  |        | 0.952  |        |
|    | 150   |        | 172    |        | 138    |        |

## 2. 사회복지지출 결정요인

2001-07

가

< 5-12> (2001-07 )

|    |        | t     |        | t     |
|----|--------|-------|--------|-------|
|    | 0.647  | 2.44  | 0.134  | 0.99  |
|    | 0.936  | 3.65  | 0.071  | 0.72  |
| 65 | -0.354 | -0.63 | 0.402  | 0.96  |
|    | 0.689  | 1.75  | 0.616  | 2.15  |
|    | -0.078 | -0.17 | 0.717  | 2.7   |
|    | -1.516 | -2.03 | -1.257 | -2.76 |
|    | 7.151  | 0.46  | 5.939  | 0.83  |
|    | 49     |       | 56     |       |
| F  | 3.95   |       | 3.63   |       |

가 , 가 , , 65

< 5-13> (2001-07 )

|  |        | t     |        | t     |        | t     |
|--|--------|-------|--------|-------|--------|-------|
|  | 0.500  | 9.16  | 0.252  | 6.35  | 0.021  | 0.53  |
|  | 0.103  | 2.04  | 0.018  | 0.46  | 0.677  | 9.36  |
|  | 0.402  | 2.79  | -0.109 | -0.64 | 0.554  | 5.55  |
|  | 0.379  | 5.18  | 0.371  | 6.69  | 0.754  | 9.91  |
|  | 0.788  | 7.95  | 1.195  | 16.21 | 0.182  | 4.83  |
|  | -0.385 | -4.79 | -0.079 | -1.36 | -0.424 | -3.58 |

|   |        |       |        |       | < >    |       |
|---|--------|-------|--------|-------|--------|-------|
|   |        | t     |        | t     |        | t     |
|   | -6.592 | -6.25 | -3.595 | -2.66 | -7.002 | -3.85 |
|   | 522    |       | 599    |       | 483    |       |
| F | 13.78  |       | 9.93   |       | 9.33   |       |

### 3



## 1. 복지수요 증가와 복지재정 구조변화의 관계

가 가

1

< 5-14> 10 가

. 가 65

193 10 2018 298 51.5% 가 ,

178 289 61.6% 가 . 가

가 .

< 5-14> 가

|   | 2008      |         |           | 2018      |           |           |       |       |       |
|---|-----------|---------|-----------|-----------|-----------|-----------|-------|-------|-------|
|   | 65        |         |           | 65        |           |           | 65    |       |       |
| · | 1,845,640 | 634,351 | 825,217   | 2,986,823 | 1,006,949 | 1,135,085 | 61.8% | 58.7% | 37.5% |
|   | 2,873,138 | 911,976 | 1,185,378 | 4,010,172 | 1,204,385 | 1,727,980 | 39.6% | 32.1% | 45.8% |
|   | 1,930,217 | 627,010 | 875,481   | 2,988,059 | 907,895   | 1,316,573 | 54.8% | 44.8% | 50.4% |

|  | 2008      |         |         | 2018      |         |           | < >   |       |       |
|--|-----------|---------|---------|-----------|---------|-----------|-------|-------|-------|
|  | 65        |         |         | 65        |         |           | 65    |       |       |
|  | 941,762   | 279,037 | 308,810 | 1,026,271 | 292,700 | 419,902   | 9.0%  | 4.9%  | 36.0% |
|  | 1,786,530 | 617,570 | 801,573 | 2,897,500 | 981,998 | 1,088,576 | 62.2% | 59.0% | 35.8% |

2001-07

7 가 .  
 가 가  
 가 . 가  
 가 .  
 가 .  
 가 가  
 가가 가 . 가 가  
 가  
 .  
 가 가 가  
 . , ,  
 65 , 가 14  
 가 . 14 가  
 10 12% ,  
 .  
 14 ( A)  
 가 ( B) .

( A) 14

14 가 37.1% 가 A 65  
 27.3% , 14 21.5%, 14.1%  
 가 가 .

< 5-15> 가 ( A)

|   | -     | -가    |       |       |
|---|-------|-------|-------|-------|
|   | 25.6% | 20.2% | 34.8% | 13.2% |
|   | 65    | 14    |       |       |
| 가 | 27.3% | 21.5% | 37.1% | 14.1% |

가 2001-2007 가  
 가 < 5-16> . 가 14  
 가 가 , 가  
 가 . ,  
 가  
 가 가 .  
 가 가  
 .

|   |
|---|
| <p>가 가</p> <p>= ( 65 가 × 65 가 )</p> <p>+ ( 14 가 × 14 가 )</p> <p>+ ( 가 × 가 )</p> <p>+ ( 가 × 가 )</p> <p>= 38.8% × 27.3% + (-7.4%) × 21.5% + 8.8% × 37.1% + 83.6% × 14.1%</p> <p>= 24.0%</p> |
|---|

< 5-16> 2001-2007 가 ( A)

|   | 65    | 14     |        |       | 가     | 가 |
|---|-------|--------|--------|-------|-------|---|
| . | 42.6% | -13.8% | 21.3%  | 78.2% | 27.6% |   |
|   | 30.2% | -11.5% | -0.5%  | 76.4% | 16.3% |   |
|   | 38.8% | -7.4%  | 8.8%   | 83.6% | 24.0% |   |
|   | 22.9% | -21.9% | -11.3% | 75.0% | 7.9%  |   |
|   | 42.9% | -15.5% | 25.1%  | 76.2% | 28.4% |   |

가 가 2001  
가 .

$$\begin{aligned}
 & \text{가} \\
 & = 2001 \quad \times \quad \text{가} \quad \text{가} \\
 & = 11.3\% \times 24.0\% \\
 & = 2.7\%p
 \end{aligned}$$

2001-07 가 가  
가 .

$$\begin{aligned}
 & \text{가} \\
 & = 2001-07 \quad \text{가} \quad - \quad \text{가} \\
 & = 6.7\%p - 2.7\%p = 4.0\%p
 \end{aligned}$$

< 5-17> 2001-2007 가( A)

|   | 2001  | 2007  | 가      | 가     | 가     |
|---|-------|-------|--------|-------|-------|
| · | 12.0% | 19.0% | 7.0%p  | 3.3%p | 3.7%p |
|   | 13.0% | 17.2% | 4.1%p  | 2.1%p | 2.1%p |
|   | 11.3% | 18.0% | 6.7%p  | 2.7%p | 4.0%p |
|   | 9.3%  | 12.3% | 3.0%p  | 0.7%p | 2.3%p |
|   | 23.8% | 35.1% | 11.3%p | 6.8%p | 4.5%p |

( B) 14

14 가 가  
 가 ,  
 가 .  
 65 , 가  
 .  
 가 가 가  
 . , ,  
 65 가  
 . 47.3% 가 65  
 34.8% , 17.9% 가 가 .

< 5-18> 가 ( B)

|   | 25.6% | 34.8% | 13.2% |
|---|-------|-------|-------|
|   | 65    |       |       |
| 가 | 34.8% | 47.3% | 17.9% |

< 5-19> 가 가  
가 .

< 5-19> 2001-2007 가 ( B)

|   | 65    |        | 가     | 가     |
|---|-------|--------|-------|-------|
| . | 42.6% | 21.3%  | 78.2% | 38.9% |
|   | 30.2% | -0.5%  | 76.4% | 24.0% |
|   | 38.8% | 8.8%   | 83.6% | 32.7% |
|   | 22.9% | -11.3% | 75.0% | 16.1% |
|   | 42.9% | 25.1%  | 76.2% | 40.5% |

< 5-20> 2001-2007 가 가  
가 .

< 5-20> 2001-2007 가( B)

|   | 2001  | 2007  | 가      | 가     | 가     |
|---|-------|-------|--------|-------|-------|
| . | 12.0% | 19.0% | 7.0%p  | 4.7%p | 2.3%p |
|   | 13.0% | 17.2% | 4.1%p  | 3.1%p | 1.0%p |
|   | 11.3% | 18.0% | 6.7%p  | 3.7%p | 3.0%p |
|   | 9.3%  | 12.3% | 3.0%p  | 1.5%p | 1.5%p |
|   | 23.8% | 35.1% | 11.3%p | 9.6%p | 1.6%p |

## 2. 복지재정 구조변화 전망

( A) 14

2001-2007 가  
가 . 1  
10 2018 . 10

2018 가 가  
 2008 가  
 가

< 5-21> 2008-2018 가 ( A)

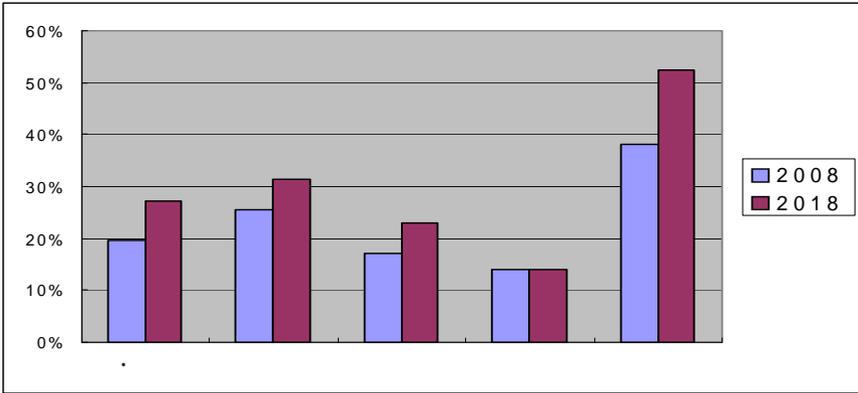
|   | 65    | 14     |       |       | 가<br>가 |
|---|-------|--------|-------|-------|--------|
| . | 61.8% | -26.9% | 58.7% | 37.5% | 38.1%  |
|   | 39.6% | -28.2% | 32.1% | 45.8% | 23.1%  |
|   | 54.8% | -21.1% | 44.8% | 50.4% | 34.1%  |
|   | 9.0%  | -38.5% | 4.9%  | 36.0% | 1.1%   |
|   | 62.2% | -27.6% | 59.0% | 35.8% | 38.0%  |

2018 < 5-22>  
 가  
 가 2008 19.6%  
 2018 7.5%p가 가 27.1% , 가  
 5.9%p가 31.4% .  
 가 2008  
 5.9%p가 23.1%가  
 가가 가 .

< 5-22> ( A)

|   | 가<br>가 | 2008  | 2018  | 가      |
|---|--------|-------|-------|--------|
| . | 38.1%  | 19.6% | 27.1% | 7.5%p  |
|   | 23.1%  | 25.5% | 31.4% | 5.9%p  |
|   | 34.1%  | 17.2% | 23.1% | 5.9%p  |
|   | 1.1%   | 14.0% | 14.2% | 0.2%p  |
|   | 38.0%  | 38.0% | 52.4% | 14.4%p |

< 5-6> ( A)



가 . 가 38.0% 가  
 10 가 52.4% 가  
 10 가 , 가  
 가 . 가

( B) 14

2018 < 5-23>

가 . 가 2008 19.6%

2018 11.0%p가 가 30.6% , 가  
 9.5%p가 35.0% .  
 가 . 2008  
 8.5%p가 25.7%가  
 가가 가 .

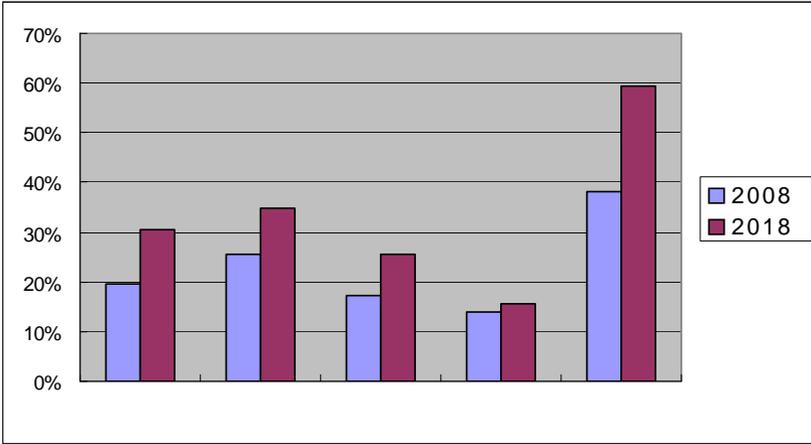
< 5-23> 2008-2018 가 ( B)

|   | 65    |       |       | 가<br>가 |
|---|-------|-------|-------|--------|
| · | 61.8% | 58.7% | 37.5% | 56.0%  |
|   | 39.6% | 32.1% | 45.8% | 37.1%  |
|   | 54.8% | 44.8% | 50.4% | 49.3%  |
|   | 9.0%  | 4.9%  | 36.0% | 11.9%  |
|   | 62.2% | 59.0% | 35.8% | 56.0%  |

< 5-24> ( B)

|   | 가     | 가 | 2008  | 2018  | 가      |
|---|-------|---|-------|-------|--------|
| · | 56.0% |   | 19.6% | 30.6% | 11.0%p |
|   | 37.1% |   | 25.5% | 35.0% | 9.5%p  |
|   | 49.3% |   | 17.2% | 25.7% | 8.5%p  |
|   | 11.9% |   | 14.0% | 15.7% | 1.7%p  |
|   | 56.0% |   | 38.0% | 59.3% | 21.3%p |

< 5-7> ( B)



가 .  
 38.0%  
 가 10  
 가 60% 가 .

### 3. 자치단체 유형 사례별 복지재정 전망

10 2018 3 5 2008 2018  
 가  
 가  
 가 .

< 5-25>

2018

( : )

|  |  | 2009 | 116,114 | 19,887 | 446   |
|--|--|------|---------|--------|-------|
|  |  | 2018 | 181,137 | 29,293 | 656   |
|  |  | 2009 | 174,081 | 45,118 | 872   |
|  |  | 2018 | 271,566 | 66,458 | 1,284 |
|  |  | 2009 | 38,069  | 6,155  | 154   |
|  |  | 2018 | 59,387  | 9,066  | 226   |
|  |  | 2009 | 93,213  | 12,943 | 386   |
|  |  | 2018 | 145,412 | 19,065 | 568   |
|  |  | 2009 | 56,171  | 7,001  | 193   |
|  |  | 2018 | 62,855  | 10,312 | 284   |
|  |  | 2009 | 37,362  | 5,493  | 181   |
|  |  | 2018 | 41,808  | 8,091  | 266   |
|  |  | 2009 | 75,604  | 7,738  | 133   |
|  |  | 2018 | 112,876 | 11,398 | 195   |
|  |  | 2009 | 76,431  | 16,869 | 2,182 |
|  |  | 2018 | 114,111 | 24,848 | 3,214 |

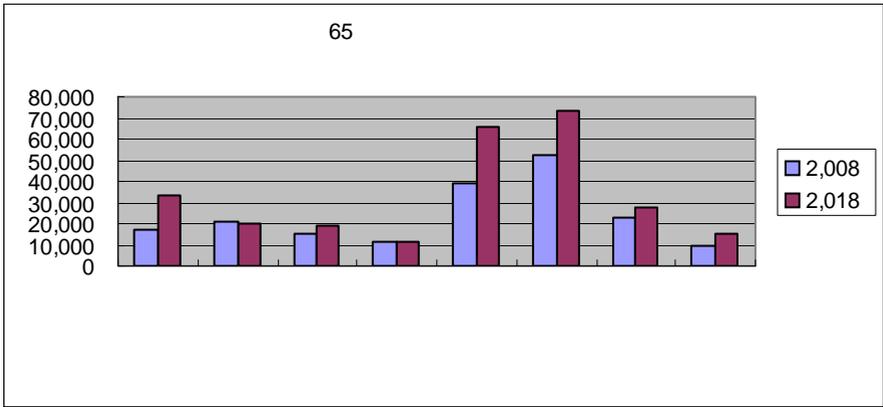
: 가 가 , 가 가 .

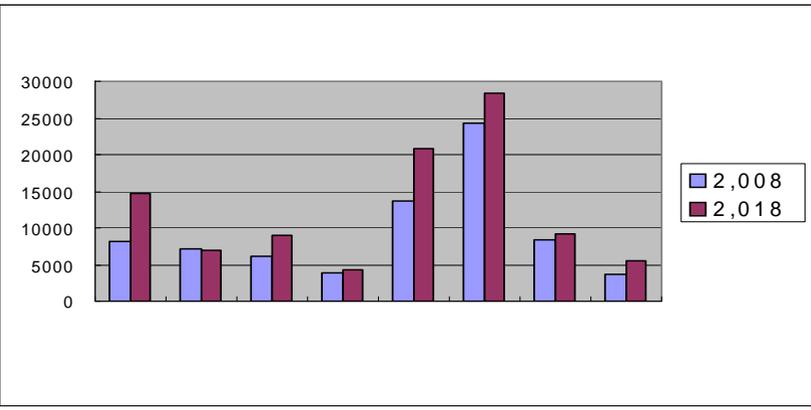
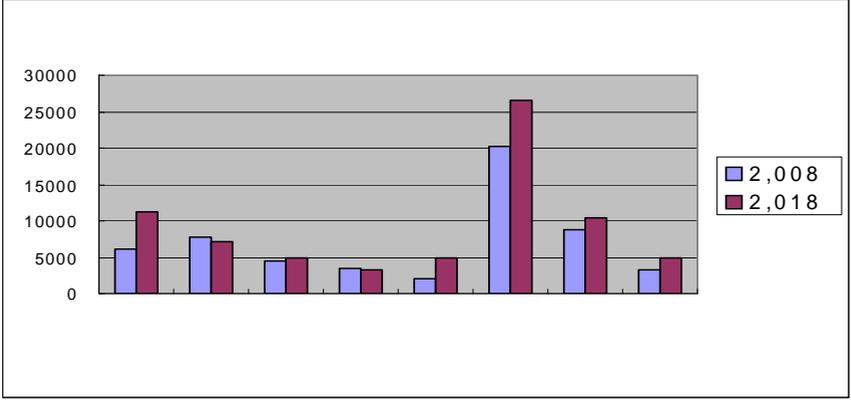
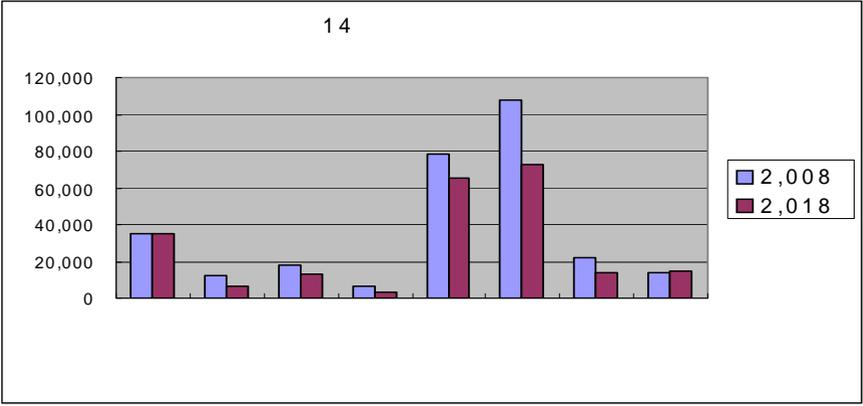
2018 677 2,715 , 2009 10 가 2018 가 65 가 15 가 2 가 ,

가 가 .  
가 2018  
148.8% 51.8% .  
2018 932 ,  
1,454 .  
가 196 .  
가  
가 2018 25.1% -14.3%  
. 65 가 49.3%, 가 24.7%  
. 15 가 -37%, 가  
2.3% 가 .  
18.3%,  
49.8% , 9.8%, 48.8%  
. 2018 가  
, 105 ,  
83 . 3  
2005 2009 ,  
가 가 ,  
가  
. 가 , 가  
, 가 가  
. 2018 가  
가 가 .  
,

, 115 , 280 . 3  
10 ,  
가 가 8  
. 65 ,  
,  
. 8 가  
가  
.

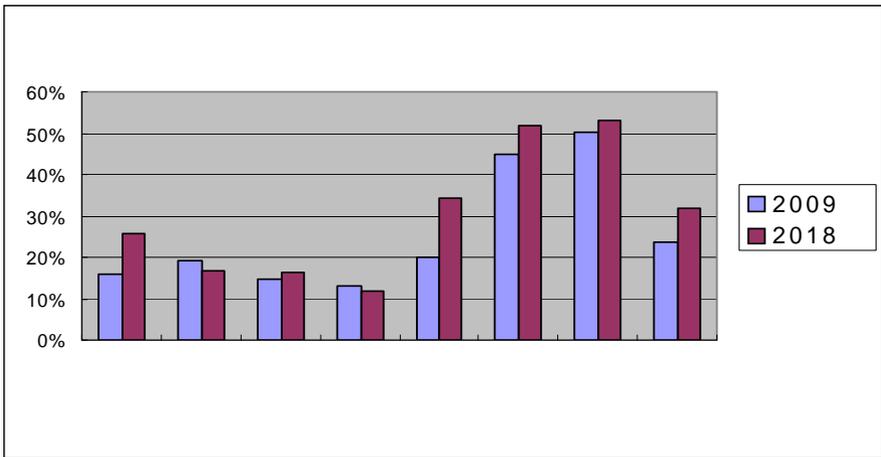
< 5-8> ( A)

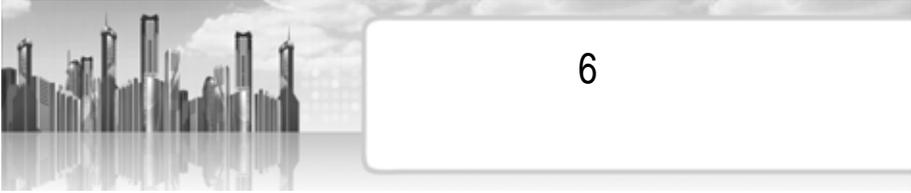




< 5-26> ( A- )

|  | 가<br>(2008 - 18) | 2009  | 2018  |
|--|------------------|-------|-------|
|  | 67.9%            | 15.8% | 25.5% |
|  | -13.0%           | 19.0% | 16.8% |
|  | 10.3%            | 14.8% | 16.2% |
|  | -11.9%           | 13.2% | 11.8% |
|  | 77.6%            | 20.2% | 34.3% |
|  | 17.6%            | 44.7% | 51.8% |
|  | 6.9%             | 50.1% | 53.2% |
|  | 39.3%            | 23.7% | 32.0% |





1



가 .

,

,

가

( , 2008).

,

.

가 .

가 .

가 .

.

,

.

가

,

가 .

가 .

가

## 2



### 1. 지방교부세제도의 개선

가 19.24%

가

가 , 가

가 , 가

## 2. 분권교부세 개선방안

0.94% 가  
2010 ~2014

5 0.94% 1.3% 0.36%

0.94%

2010 1.3% < 6-1>

. 67 '04~'08 가 ,

'02~'06 가

< 6-1>

|           | 2008          | 2009           | 2010           | 2011           | 2012           |
|-----------|---------------|----------------|----------------|----------------|----------------|
| 67        | 25,633        | 30,452         | 36,177         | 42,978         | 51,508         |
| ( 0.94% ) | 9,728<br>38.0 | 10,574<br>34.7 | 11,494<br>31.8 | 12,494<br>29.1 | 13,581<br>26.6 |
| ( 1.3% )  | 9,728<br>38.0 | 15,574<br>34.7 | 15,896<br>43.9 | 17,279<br>40.2 | 18,782<br>36.8 |

1.3%

, 가 가

. 0.94%

가 . 가

가 가

가 .

67 가

. 1.3% 2010

43.9% 가 가 ,

가

가 . 2012 36.8% 2008

. 2010 1.3%

가 2010 4,402

. ( )

. (national minimum) ,

가 ( 가 ),

, , 가 가

, .

( ) .

가

가 .

가 가

.

( 2)  
 가 ( )  
 ) 가 가 .  
 가 .

< 6-2> 가

|          | 1<br>(3 )           | 2<br>( )             | 3<br>( )   | 4<br>( )   |
|----------|---------------------|----------------------|------------|------------|
|          | 6,300 <sup>1)</sup> | 12,362 <sup>2)</sup> | 14,203     | 8,800      |
|          | 4,300<br>( )        | 8,800<br>( )         |            |            |
| 가<br>( ) | 2,000               | 3,600                | 0          | 0          |
|          | ' 3                 | 67                   | 67         | 67         |
|          | 가<br>( )            | 가<br>( )             | 가<br>( 가 ) | 가<br>( 가 ) |
|          |                     | ( )                  | 가          |            |
|          | ( )                 | ( )                  | ( )        |            |
|          | 가<br>( )            | 가 ( )                | 가          | 가 ( )      |
|          |                     |                      |            |            |
|          |                     | 가                    | 가          | 가          |

: 1) 2) 가  
 : (2009), ,

2) 가

(2009) < 6-2> 가

3 .

.

가

가

.

가

.

가

가

가

.

### 3. 국고보조금제도의 개선

가

.

가

.

.

, 가

. 가

(linear function) 가 .

가 ( , 2007).

,

가 .

가

.

가 ( , 2007).

가

,

가 .

가 ( ,

2008). 가 , 가

가

.

#### 4. 지방이양 사업의 재분류

가

, 가 ( 가 , ), 가 가

.

, , ,

.

, 가 . , ,

, 가

가

.

가  
 가 .  
 가 .  
 100% 가  
 가 .  
 가 ( )  
 가 ( , 2005).

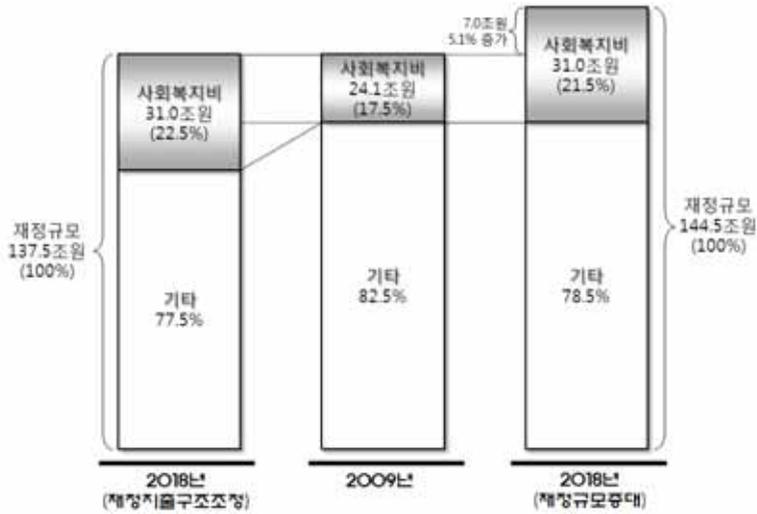
### 5. 지방정부의 권한 보장

가  
 가  
 가 ,  
 가  
 가 ( ,  
 2009).

100%



< 6-1> ( A)

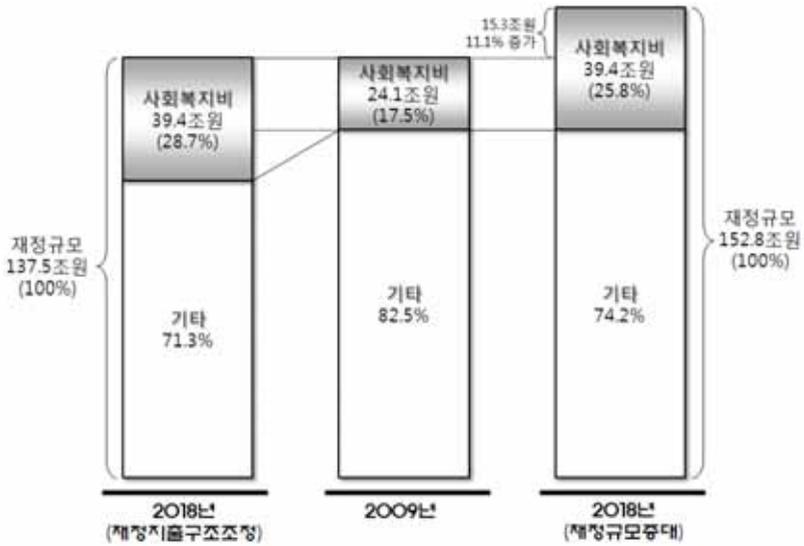


, 가  
 가 .  
 가 가  
 가 , 가  
 가 , 19.24% 3.17%p 가 가  
 22.41% 가  
 가 가  
 가 가  
 가 가  
 가 가

( B)

가  
 < 6-2> . 2009  
 137.5 17.5% 24.1 .  
 가 2018 가  
 39.4 , 11.2%p  
 가 28.7%가 . 82.5% 71.3%  
 ( ) .

< 6-2> ( B)



가  
 가 ( ) .  
 11.1% 가 152.8 . 15.3 가

가 , 가  
 가 가 .  
 가 가 . 가  
 가가 , ,  
 가 30.06% , 19.24% 10.72%p가  
 가 가  
 , 가가 .  
 가 가 .  
 . .  
 . .  
 . .  
 가  
 가  
 가 .  
 , .  
 , 가 .  
 , 가  
 가 , 가  
 가 , 가  
 가 .

가

· , ,

· , 가

·

## 2. 재정이전제도의 전면 개편

· ,

, , ,

· (

( , , )

가 ·

가가

가 , · ·

·

· ,

가 (general grant) 가

(specific grant) ·

가 ,

·

가 ,

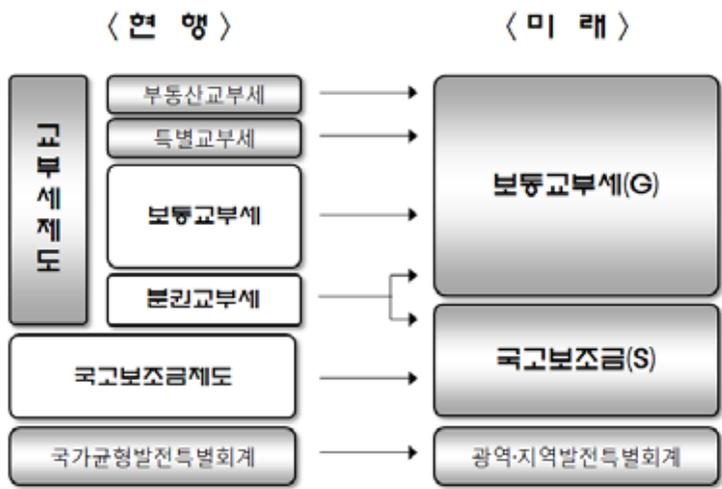
2009

5

가

·

< 6-3 >



가

가



- (2007), “ ”, 가
- (2003), “ ”, 「 」 12 1 , 2003.
- (2009), “ - ”, 「2010 . 」, , 2009. 4.
- (1988), “ ”, 「 」 2 , 1988. 3.
- (2005), “ ”, 「 」 , 2005. 6
- , (2009), 『 가 』, , 2009. 7.
- , , , , (2009), “ : ”, 「 」 , 2009. 3.
- (2005), “ ”, 「 」 , 2005. 6.
- , (2007), “ ”, 「 」, 2007. 5.
- (2008), “2009 ”, 2008. 10.
- (2006), “ ”, 「 」 12 : 425-445. 2006.
- (2003), “ ”.

「 』. 9(2): 281-302.

, (2005), “ ”, 2005. 12.

10 가 -, ”, 2005. 12.

(2008), “ ”, 「 』 vol.28, N0.4: 907-923.

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(2005), “ 가?”, 2005.

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(2009), “ ”, 「 』, 2009. 3.

(2009), 『 - 』, 2009. 6.

(2008), 『 2008』, 2008. 2.

, (2009), “ 가 ”, 「 』, 11 1 : 59-89.

, (2007), “ ”, 「 』 vol.31: 423-451.

, (2005), “ ”, 「 』, 2005. 6.

, (2005), 『 』, 2005. 12.

(2001), “ ”. 「 』. 19: 367-380.

, (2004). “ ”, 「 』. 90:

55-62.

- (2004), “ ”, 「 -  
 」, 18(2): 85-110.
- 가 (2009), 『2009 』, 2009. 9.  
 (2006), “2006 - ”, 2006.  
 (2007), “ ”, 「  
 」 19 3 : 609-636.
- , , (2000), “  
 : ”, 「  
 9 2 , 2000.  
 , (2004), “ - .  
 ”, 「 』 31 , 2004.
- (2003), 『 가 ,  
 』, , 2003.
- \_\_\_\_\_(2004), “ ”, 「 』,  
 10(2): 161-214.
- \_\_\_\_\_(2004), “ ”,  
 .  
 , (1993), “ ”, 「 』.  
 8: 7-36.
- (2001), 『 』, ,  
 2001. 12.
- (2003), “ ”, 「  
 』, 2003.
- (2006), “ ”, 「  
 』 , 2006.
- (2005), “ ; , , ”, 「

- 」, 2005. 6.
- , (2005), “ ”,  
 , 2005. 11.
- , (2006), “ : ”,  
 ”, 「 」 10 3 : 123-142.
- , (2002), “ ”, 「  
 」. 7(1): 27-51.
- (2007), “ ”, 「 」. 2.
- , , (2004), 「 」,  
 , 2004. 12.
- , (2007), 「  
 」,  
 , 2007. 12.
- (2008), “ : ”,  
 , 「 」 13 2 : 27-51.
- , , , (2005), “ ”,  
 가?”, 「 5 가  
 」, 2005. 10.
- , (2007), “ :  
 1995-2005”, 「 」 31 , 2007. 12.
- (2008), “ ”, 「  
 」 15 1 , 2008. pp.95-128.
- , (2002), “ ”, 「  
 」. 12(1): 105-130.
- (2001), “ ” 「  
 」, , 2001.
- (2007), “ ”, 「 」. 2:  
 27-48.

- (2007), “ - ”,  
 』. 2.
- \_\_\_\_\_(2008), “ ”, 2008.  
 (2007), “ ”, 「  
 』 vol. 59, No.1: 239-351.
- (2006), “ ”, 「 』.  
 12(1): 55-111.
- \_\_\_\_\_, (2002), “ -  
 1 ”, 「 』, 2002. 6.
- (2004), “ ”, 「 』, 7(4): 137-  
 152.
- (2009), “ 2 ”, 2009. 9.
- (2005), “ ”, 「  
 』, 2005. 6.
- (2004), “ ”, 「 』, 2004. 5.
- \_\_\_\_\_, (2005), 『 』,  
 , 2005.
- (2001), “ 가  
 ”, 「 』 11 2 , 2001.  
 12.
- (2006), . : .  
 , (2007), “ 가 ” 『  
 』 12 1 , 2007. 4.
- \_\_\_\_\_, (2009), “ ”,  
 , 2009. 4.
- (2006), 『 』, II』,  
 2006.

- ， ， ， ， ， (2005), “ ”, 「 」, 2005. 9.
- (2008), “08 12 ”, 2008.
- (2009), “2009 ”, 2009.
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**Abstract**

# Demographic Changes and Welfare Finance Projections of Local Governments

Neung-Sik Ha, Du-Sub Shin

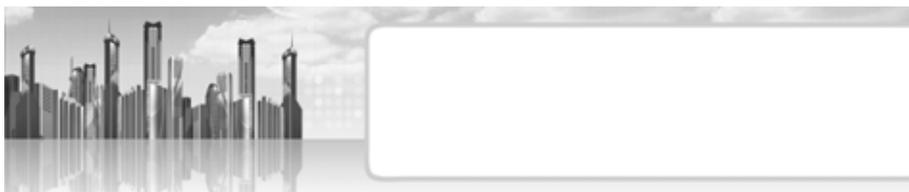
The purpose of this study is to forecast demographic changes and to estimate welfare finance projections for local governments. Although the population aging is a common feature in almost all the industrialized countries, the growth rate of the elderly over age 65 in Korea has never seen in world history. On the other hand, the total fertility rate in Korea is recorded as one of the lowest in the world. Therefore, this will lead to a rapid increase in welfare needs such as old aged people, basic livelihood recipients and disabled persons.

In this study, we examine the trend of social expenditures in Korean local governments for last ten years and explore the statistical determinants of the share of social security in local government expenditure. To estimate future welfare needs of local governments, we first project 5 year population for each local government over the next ten years. Using the regression results and population projections, we forecast welfare needs such as the number of basic livelihood recipients and disabled persons.

Results from the forecast show that while the number of elderly people will be increased from 5.1 million in 2008 to 7.0 million in 2018, the number of youth people will be decreased from 8.5 million in 2008 to 6.8 million in 2018. On the other hand, according to our estimation the ratio of basic livelihood recipients against

population will be increased from 3.3% in 2008 to 4.9% in 2018 and the ratio of disabled persons will be increased from 5.6% in 2008 to 7.4% in 2018.

The rapid increase in welfare needs is likely to affect the fiscal structure of local governments so that it is necessary to reform the structure of local revenue and expenditure. If local welfare expenditure is increasing with the growth rate of welfare needs, the local welfare spending in 2018 is expected to increase to 39.4trillion Won in 2018 from 24.1trillion Won in 2009. This imply that the share of welfare spending out of total expenditure in 2018 will be 28.7%, which is 11.2% point increase from 2009. Therefore, in response to the increase of welfare spending over the next ten years it may be necessary to cut the ratio of non-welfare spending or to expand the size of local governments' budget.



## 1. 2018

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|       |            | 15        | 65        |           |           |
|-------|------------|-----------|-----------|-----------|-----------|
|       | 51,663,505 | 6,806,659 | 6,996,994 | 2,211,334 | 2,863,065 |
| 11000 | 9,834,829  | 1,145,350 | 1,321,418 | 403,109   | 467,711   |
| 26000 | 3,240,518  | 350,344   | 529,802   | 191,213   | 186,170   |
| 27000 | 2,372,881  | 290,541   | 327,586   | 117,175   | 128,521   |
| 28000 | 2,846,733  | 385,797   | 329,232   | 116,972   | 139,574   |
| 29000 | 1,436,890  | 205,416   | 172,608   | 68,412    | 73,501    |
| 30000 | 1,639,871  | 241,655   | 183,849   | 68,475    | 79,058    |
| 31000 | 1,211,941  | 169,675   | 122,328   | 41,594    | 60,550    |
| 41000 | 14,078,585 | 2,109,659 | 1,511,968 | 409,581   | 689,049   |
| 42000 | 1,424,900  | 169,337   | 249,208   | 83,937    | 104,187   |
| 43000 | 1,531,112  | 199,035   | 231,590   | 72,767    | 104,146   |
| 44000 | 2,247,877  | 311,974   | 345,364   | 104,188   | 148,334   |
| 45000 | 1,630,063  | 194,762   | 305,204   | 102,663   | 121,030   |
| 46000 | 1,664,976  | 194,005   | 355,693   | 109,647   | 136,620   |
| 47000 | 2,552,918  | 298,427   | 459,147   | 146,518   | 181,399   |
| 48000 | 3,390,330  | 463,332   | 466,834   | 146,342   | 205,202   |
| 49000 | 559,082    | 77,350    | 85,164    | 28,742    | 38,014    |
| 41110 | 1,174,726  | 162,899   | 113,512   | 26,811    | 52,014    |
| 41120 | 929,583    | 115,797   | 108,597   | 22,915    | 42,196    |
| 41130 | 517,805    | 68,697    | 66,993    | 20,771    | 28,717    |
| 41140 | 654,068    | 90,618    | 67,268    | 15,565    | 29,361    |
| 41150 | 963,933    | 132,653   | 97,545    | 24,730    | 44,449    |

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|       |  |           | 15      | 65      |        |        |
|-------|--|-----------|---------|---------|--------|--------|
| 41160 |  | 259,747   | 34,408  | 30,116  | 9,323  | 13,702 |
| 41170 |  | 488,448   | 74,338  | 53,669  | 16,773 | 25,282 |
| 41180 |  | 124,743   | 18,381  | 18,359  | 6,949  | 8,182  |
| 41190 |  | 891,521   | 120,346 | 76,872  | 18,571 | 38,349 |
| 41200 |  | 1,123,650 | 156,495 | 121,203 | 31,012 | 53,213 |
| 41210 |  | 56,729    | 7,337   | 6,934   | 2,114  | 3,042  |
| 41220 |  | 202,114   | 29,614  | 20,488  | 6,811  | 10,384 |
| 41230 |  | 770,209   | 119,364 | 87,956  | 28,613 | 41,269 |
| 41240 |  | 227,644   | 41,160  | 15,329  | 3,869  | 9,238  |
| 41250 |  | 494,133   | 73,111  | 38,003  | 9,290  | 20,618 |
| 41260 |  | 285,233   | 43,308  | 30,030  | 8,276  | 13,775 |
| 41270 |  | 140,785   | 19,656  | 16,757  | 5,147  | 7,486  |
| 41280 |  | 169,015   | 22,895  | 21,207  | 6,386  | 9,119  |
| 41290 |  | 1,299,779 | 262,904 | 124,545 | 34,594 | 60,699 |
| 41300 |  | 512,808   | 81,184  | 56,403  | 18,222 | 26,943 |
| 41310 |  | 208,179   | 30,303  | 24,834  | 8,011  | 11,331 |
| 41320 |  | 205,224   | 29,079  | 26,792  | 9,452  | 12,179 |
| 41330 |  | 262,229   | 32,194  | 33,434  | 10,641 | 14,625 |
| 41340 |  | 926,694   | 188,454 | 89,798  | 13,656 | 36,217 |
| 41350 |  | 327,892   | 47,291  | 32,282  | 8,790  | 15,371 |
| 41360 |  | 248,126   | 35,403  | 33,144  | 11,290 | 14,631 |
| 41370 |  | 179,788   | 20,663  | 26,543  | 8,377  | 9,446  |
| 42110 |  | 266,411   | 33,738  | 41,106  | 14,282 | 17,101 |
| 42120 |  | 340,209   | 47,045  | 42,379  | 14,595 | 19,495 |
| 42130 |  | 193,925   | 21,473  | 35,901  | 12,653 | 13,901 |

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|       |  |         | 15      | 65     |        |        |
|-------|--|---------|---------|--------|--------|--------|
| 42140 |  | 82,097  | 9,249   | 14,597 | 5,356  | 5,887  |
| 42150 |  | 43,320  | 5,375   | 8,036  | 2,921  | 3,167  |
| 42160 |  | 74,225  | 8,585   | 12,402 | 4,414  | 5,045  |
| 42170 |  | 58,259  | 5,726   | 13,073 | 4,743  | 4,783  |
| 43110 |  | 678,339 | 98,904  | 71,411 | 21,229 | 33,772 |
| 43120 |  | 188,103 | 21,402  | 32,895 | 12,041 | 13,339 |
| 43130 |  | 120,166 | 13,052  | 23,188 | 8,374  | 8,959  |
| 44110 |  | 749,399 | 120,493 | 63,117 | 17,200 | 33,282 |
| 44120 |  | 112,367 | 11,660  | 23,530 | 8,481  | 8,796  |
| 44130 |  | 93,797  | 10,319  | 20,797 | 7,227  | 7,434  |
| 44140 |  | 329,973 | 56,154  | 33,339 | 9,880  | 16,142 |
| 44150 |  | 158,573 | 22,071  | 26,027 | 8,708  | 10,308 |
| 44160 |  | 110,293 | 11,770  | 25,036 | 8,904  | 9,005  |
| 44170 |  | 67,114  | 12,819  | 6,332  | 2,471  | 3,587  |
| 45110 |  | 617,105 | 86,276  | 81,644 | 28,180 | 36,459 |
| 45120 |  | 236,778 | 29,407  | 40,494 | 14,564 | 16,407 |
| 45130 |  | 269,446 | 32,696  | 43,919 | 15,560 | 18,016 |
| 45140 |  | 86,339  | 7,290   | 22,570 | 8,184  | 7,832  |
| 45150 |  | 66,900  | 6,520   | 17,599 | 6,427  | 6,124  |
| 45160 |  | 71,405  | 5,931   | 20,490 | 7,322  | 6,832  |
| 46110 |  | 237,300 | 35,714  | 31,796 | 11,250 | 14,289 |
| 46120 |  | 254,570 | 31,847  | 44,820 | 15,343 | 17,428 |
| 46130 |  | 256,261 | 34,168  | 36,139 | 12,997 | 15,978 |
| 46140 |  | 76,729  | 6,858   | 20,040 | 7,244  | 6,941  |
| 46150 |  | 141,443 | 20,569  | 16,904 | 4,946  | 7,374  |

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|       |  |         | 15      | 65     |        |        |
|-------|--|---------|---------|--------|--------|--------|
| 47110 |  | 485,936 | 61,215  | 70,264 | 21,264 | 28,079 |
| 47120 |  | 239,748 | 24,619  | 45,898 | 15,884 | 17,337 |
| 47130 |  | 116,849 | 12,190  | 25,481 | 8,935  | 9,218  |
| 47140 |  | 143,653 | 15,927  | 31,948 | 11,715 | 11,808 |
| 47150 |  | 488,112 | 79,559  | 33,707 | 9,394  | 20,524 |
| 47160 |  | 93,432  | 9,214   | 22,476 | 8,061  | 7,962  |
| 47170 |  | 84,546  | 6,884   | 21,792 | 7,619  | 7,411  |
| 47180 |  | 82,820  | 7,302   | 23,402 | 8,371  | 7,846  |
| 47190 |  | 59,321  | 5,084   | 16,673 | 5,898  | 5,556  |
| 47200 |  | 279,721 | 33,358  | 39,853 | 13,775 | 17,170 |
| 48110 |  | 477,264 | 63,757  | 41,044 | 9,407  | 20,180 |
| 48120 |  | 372,112 | 43,162  | 57,122 | 18,826 | 23,152 |
| 48130 |  | 306,857 | 38,953  | 46,135 | 16,227 | 19,556 |
| 48140 |  | 213,272 | 37,130  | 23,997 | 8,545  | 11,836 |
| 48150 |  | 134,575 | 19,324  | 19,902 | 7,297  | 8,696  |
| 48160 |  | 101,082 | 11,710  | 19,182 | 7,031  | 7,529  |
| 48170 |  | 672,213 | 109,052 | 57,690 | 18,528 | 31,878 |
| 48180 |  | 93,140  | 8,614   | 22,411 | 7,835  | 7,806  |
| 48190 |  | 276,040 | 48,961  | 22,537 | 7,654  | 13,125 |
| 48200 |  | 304,468 | 42,465  | 34,406 | 10,680 | 15,902 |
| 26710 |  | 86,045  | 9,052   | 15,719 | 4,296  | 7,322  |
| 27710 |  | 185,052 | 23,980  | 23,268 | 7,110  | 14,024 |
| 28710 |  | 67,481  | 5,360   | 19,087 | 5,391  | 7,063  |
| 28720 |  | 25,663  | 2,857   | 4,431  | 1,318  | 2,171  |
| 31710 |  | 217,393 | 26,348  | 26,817 | 6,837  | 15,929 |

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|       |   |         | 15     | 65     |       |        |
|-------|---|---------|--------|--------|-------|--------|
| 41720 |   | 111,687 | 13,136 | 19,215 | 4,818 | 8,911  |
| 41750 |   | 37,296  | 3,651  | 8,619  | 2,599 | 3,685  |
| 41770 | 가 | 56,901  | 5,645  | 12,197 | 3,509 | 5,236  |
| 41780 |   | 99,324  | 9,511  | 20,989 | 6,352 | 9,185  |
| 42710 |   | 65,010  | 6,827  | 13,561 | 4,168 | 5,998  |
| 42720 |   | 39,919  | 3,378  | 9,991  | 2,945 | 3,972  |
| 42730 |   | 29,753  | 2,325  | 8,066  | 2,336 | 3,067  |
| 42740 |   | 39,093  | 3,479  | 8,811  | 2,699 | 3,734  |
| 42750 |   | 30,549  | 2,784  | 7,251  | 2,029 | 2,927  |
| 42760 |   | 40,927  | 5,075  | 8,127  | 2,659 | 3,747  |
| 42770 |   | 22,302  | 3,165  | 4,168  | 1,391 | 1,998  |
| 42780 |   | 19,055  | 2,622  | 3,559  | 1,126 | 1,686  |
| 42790 |   | 30,338  | 4,105  | 5,370  | 1,885 | 2,686  |
| 42800 |   | 24,520  | 2,277  | 6,360  | 1,849 | 2,474  |
| 42810 |   | 24,990  | 2,108  | 6,449  | 1,884 | 2,519  |
| 43710 |   | 195,207 | 29,437 | 25,669 | 8,322 | 15,172 |
| 43720 |   | 26,522  | 2,136  | 8,441  | 2,325 | 2,935  |
| 43730 |   | 46,760  | 4,553  | 11,500 | 3,330 | 4,593  |
| 43740 |   | 40,319  | 3,311  | 11,647 | 3,225 | 4,245  |
| 43750 |   | 60,141  | 7,172  | 10,129 | 3,052 | 5,051  |
| 43760 |   | 28,574  | 1,706  | 9,618  | 2,616 | 3,249  |
| 43770 |   | 91,152  | 10,850 | 15,546 | 4,719 | 7,704  |
| 43780 |   | 24,264  | 2,106  | 6,742  | 1,872 | 2,506  |
| 43790 |   | 31,563  | 4,405  | 4,803  | 1,662 | 2,620  |
| 44710 |   | 48,072  | 4,414  | 12,725 | 3,502 | 4,836  |

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|       |  |         | 15     | 65     |       |        |
|-------|--|---------|--------|--------|-------|--------|
| 44720 |  | 73,854  | 8,166  | 14,149 | 4,093 | 6,482  |
| 44730 |  | 59,150  | 5,272  | 17,618 | 4,923 | 6,342  |
| 44740 |  | 45,482  | 3,677  | 14,416 | 3,963 | 5,019  |
| 44750 |  | 24,503  | 1,926  | 7,987  | 2,184 | 2,741  |
| 44760 |  | 77,780  | 8,287  | 18,284 | 5,407 | 7,515  |
| 44770 |  | 71,193  | 6,491  | 18,697 | 5,298 | 7,183  |
| 44780 |  | 58,180  | 5,154  | 15,872 | 4,107 | 5,855  |
| 44790 |  | 168,146 | 23,302 | 27,439 | 7,839 | 13,808 |
| 45710 |  | 78,567  | 8,828  | 16,166 | 4,777 | 7,142  |
| 45720 |  | 21,842  | 1,864  | 6,960  | 1,944 | 2,427  |
| 45730 |  | 21,397  | 2,127  | 6,196  | 1,763 | 2,271  |
| 45740 |  | 18,343  | 1,612  | 5,708  | 1,634 | 2,026  |
| 45750 |  | 24,031  | 1,791  | 7,759  | 2,173 | 2,692  |
| 45760 |  | 28,757  | 3,565  | 7,818  | 2,313 | 2,984  |
| 45770 |  | 43,905  | 3,328  | 14,240 | 3,952 | 4,918  |
| 45780 |  | 45,249  | 3,527  | 13,640 | 3,870 | 4,901  |
| 46710 |  | 43,500  | 3,364  | 11,818 | 3,376 | 4,473  |
| 46720 |  | 25,663  | 1,953  | 8,062  | 2,264 | 2,834  |
| 46730 |  | 21,617  | 1,833  | 6,969  | 1,920 | 2,409  |
| 46740 |  | 53,931  | 3,631  | 21,297 | 5,641 | 6,669  |
| 46750 |  | 38,394  | 3,698  | 12,775 | 3,522 | 4,354  |
| 46760 |  | 58,270  | 5,455  | 13,395 | 3,792 | 5,516  |
| 46770 |  | 32,080  | 2,957  | 10,318 | 2,839 | 3,569  |
| 46780 |  | 31,236  | 3,240  | 10,086 | 2,813 | 3,495  |
| 46790 |  | 62,663  | 5,706  | 18,765 | 5,312 | 6,760  |

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|       |  |         | 15     | 65     |       |       |
|-------|--|---------|--------|--------|-------|-------|
| 46800 |  | 52,397  | 6,624  | 11,674 | 3,563 | 4,974 |
| 46810 |  | 62,031  | 7,116  | 14,088 | 4,389 | 5,970 |
| 46820 |  | 29,116  | 2,418  | 9,345  | 2,601 | 3,245 |
| 46830 |  | 44,048  | 4,251  | 12,513 | 3,377 | 4,569 |
| 46840 |  | 36,560  | 3,317  | 10,043 | 2,813 | 3,762 |
| 46850 |  | 43,008  | 4,011  | 13,882 | 3,837 | 4,800 |
| 46860 |  | 26,374  | 2,530  | 8,665  | 2,369 | 2,963 |
| 46870 |  | 37,785  | 2,745  | 12,300 | 3,440 | 4,249 |
| 47710 |  | 17,071  | 717    | 6,841  | 1,733 | 2,103 |
| 47720 |  | 43,444  | 2,800  | 16,229 | 4,357 | 5,221 |
| 47730 |  | 19,931  | 1,214  | 7,081  | 1,865 | 2,316 |
| 47740 |  | 14,709  | 1,014  | 5,101  | 1,389 | 1,701 |
| 47750 |  | 33,167  | 2,463  | 11,194 | 3,065 | 3,784 |
| 47760 |  | 35,329  | 2,029  | 12,140 | 3,271 | 4,054 |
| 47770 |  | 32,078  | 2,593  | 8,158  | 2,350 | 3,199 |
| 47780 |  | 36,554  | 2,453  | 10,762 | 2,999 | 3,893 |
| 47790 |  | 134,413 | 18,867 | 15,093 | 5,076 | 9,982 |
| 47800 |  | 36,403  | 2,736  | 12,808 | 3,416 | 4,221 |
| 47810 |  | 26,232  | 1,824  | 8,990  | 2,465 | 3,019 |
| 47820 |  | 37,879  | 3,250  | 10,979 | 2,891 | 3,946 |
| 47830 |  | 11,569  | 1,115  | 2,278  | 726   | 1,049 |
| 48710 |  | 26,573  | 2,184  | 8,287  | 2,248 | 2,897 |
| 48720 |  | 65,079  | 7,753  | 12,290 | 3,680 | 5,718 |
| 48730 |  | 48,920  | 3,729  | 13,892 | 3,835 | 5,101 |
| 48740 |  | 46,573  | 4,036  | 12,695 | 3,591 | 4,785 |

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|       |  |         | 15     | 65     |        |        |
|-------|--|---------|--------|--------|--------|--------|
| 48750 |  | 42,342  | 3,589  | 14,091 | 3,811  | 4,778  |
| 48760 |  | 45,132  | 3,632  | 12,874 | 3,601  | 4,733  |
| 48770 |  | 28,672  | 1,954  | 9,630  | 2,553  | 3,235  |
| 48780 |  | 33,854  | 3,207  | 10,422 | 2,905  | 3,691  |
| 48790 |  | 54,863  | 5,828  | 13,415 | 3,983  | 5,406  |
| 48800 |  | 47,301  | 4,293  | 14,812 | 4,106  | 5,197  |
| 11110 |  | 142,012 | 14,076 | 21,853 | 5,780  | 6,701  |
| 11120 |  | 112,015 | 10,616 | 17,822 | 4,141  | 5,062  |
| 11130 |  | 227,806 | 24,677 | 32,221 | 9,583  | 10,943 |
| 11140 |  | 280,171 | 31,321 | 37,620 | 12,817 | 14,015 |
| 11150 |  | 343,791 | 37,516 | 40,910 | 13,611 | 16,161 |
| 11160 |  | 344,715 | 36,707 | 52,197 | 17,285 | 17,962 |
| 11170 |  | 389,736 | 41,879 | 56,119 | 20,142 | 20,652 |
| 11180 |  | 501,243 | 63,718 | 64,565 | 21,175 | 24,196 |
| 11190 |  | 308,385 | 31,007 | 51,407 | 18,454 | 17,565 |
| 11200 |  | 372,091 | 43,385 | 56,886 | 19,678 | 19,911 |
| 11210 |  | 554,024 | 72,394 | 73,136 | 26,530 | 28,343 |
| 11220 |  | 422,452 | 46,996 | 64,512 | 22,740 | 22,813 |
| 11230 |  | 290,494 | 30,041 | 43,885 | 14,026 | 14,857 |
| 11240 |  | 389,315 | 45,205 | 48,137 | 14,639 | 17,879 |
| 11250 |  | 514,291 | 69,587 | 58,116 | 16,475 | 22,197 |
| 11260 |  | 634,040 | 82,820 | 83,003 | 27,454 | 30,938 |
| 11270 |  | 416,892 | 50,645 | 58,923 | 19,561 | 21,075 |
| 11280 |  | 221,328 | 23,051 | 33,539 | 11,842 | 11,918 |
| 11290 |  | 395,564 | 44,560 | 59,088 | 15,351 | 18,297 |

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|       |  |         | 15     | 65     |        |        |
|-------|--|---------|--------|--------|--------|--------|
| 11300 |  | 383,372 | 41,842 | 53,823 | 17,036 | 18,891 |
| 11310 |  | 529,368 | 55,258 | 68,575 | 24,900 | 26,864 |
| 11320 |  | 420,306 | 52,395 | 50,360 | 8,214  | 15,386 |
| 11330 |  | 584,766 | 64,997 | 65,380 | 10,263 | 20,857 |
| 11340 |  | 633,056 | 79,261 | 74,891 | 14,867 | 24,479 |
| 11350 |  | 423,598 | 51,399 | 54,450 | 16,545 | 19,749 |
| 26110 |  | 38,967  | 2,716  | 8,593  | 3,010  | 2,547  |
| 26120 |  | 101,375 | 8,236  | 21,924 | 8,354  | 6,902  |
| 26130 |  | 75,107  | 5,566  | 17,807 | 6,400  | 5,205  |
| 26140 |  | 117,397 | 9,906  | 25,777 | 9,604  | 7,952  |
| 26150 |  | 358,840 | 39,233 | 57,477 | 19,997 | 19,700 |
| 26160 |  | 261,603 | 29,149 | 40,913 | 14,414 | 14,288 |
| 26170 |  | 275,160 | 29,835 | 46,248 | 16,590 | 15,732 |
| 26180 |  | 324,706 | 37,358 | 44,781 | 17,804 | 17,759 |
| 26190 |  | 447,961 | 56,727 | 62,682 | 22,361 | 23,348 |
| 26200 |  | 331,685 | 39,754 | 47,421 | 17,674 | 17,855 |
| 26210 |  | 214,991 | 20,395 | 38,320 | 14,166 | 12,891 |
| 26220 |  | 41,692  | 2,892  | 9,701  | 3,329  | 2,775  |
| 26230 |  | 183,241 | 20,150 | 30,630 | 10,836 | 10,369 |
| 26240 |  | 170,019 | 17,249 | 31,254 | 11,194 | 10,179 |
| 26250 |  | 211,728 | 22,127 | 30,556 | 11,186 | 11,345 |
| 27110 |  | 63,047  | 5,945  | 13,122 | 4,558  | 3,968  |
| 27120 |  | 319,896 | 34,433 | 55,833 | 20,948 | 19,127 |
| 27130 |  | 169,780 | 13,705 | 29,811 | 10,872 | 10,022 |
| 27140 |  | 150,271 | 13,799 | 27,943 | 10,434 | 9,273  |

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|       |  |         | 15     | 65     |        |        |
|-------|--|---------|--------|--------|--------|--------|
| 27150 |  | 509,802 | 74,309 | 57,813 | 22,527 | 25,212 |
| 27160 |  | 418,138 | 54,962 | 54,708 | 17,464 | 20,071 |
| 27170 |  | 556,896 | 69,408 | 65,089 | 23,262 | 26,822 |
| 28110 |  | 111,024 | 14,329 | 14,918 | 4,838  | 5,429  |
| 28120 |  | 68,401  | 8,951  | 11,183 | 3,881  | 3,789  |
| 28130 |  | 382,866 | 43,927 | 55,548 | 19,945 | 20,364 |
| 28140 |  | 282,818 | 41,507 | 27,060 | 10,146 | 12,826 |
| 28150 |  | 487,158 | 65,074 | 53,534 | 18,039 | 22,305 |
| 28160 |  | 586,931 | 77,474 | 67,694 | 25,512 | 28,795 |
| 28170 |  | 352,289 | 50,042 | 31,584 | 12,226 | 15,787 |
| 28180 |  | 482,102 | 76,276 | 44,193 | 15,675 | 21,046 |
| 29110 |  | 98,978  | 9,745  | 18,760 | 7,053  | 6,197  |
| 29120 |  | 291,902 | 40,731 | 34,742 | 13,482 | 14,720 |
| 29130 |  | 190,130 | 23,500 | 30,007 | 11,615 | 10,972 |
| 29140 |  | 456,665 | 64,608 | 56,959 | 22,777 | 23,872 |
| 29150 |  | 399,215 | 66,832 | 32,140 | 13,485 | 17,740 |
| 30110 |  | 238,480 | 30,180 | 35,724 | 13,918 | 13,446 |
| 30120 |  | 250,967 | 30,915 | 37,878 | 14,182 | 13,907 |
| 30130 |  | 499,569 | 71,902 | 52,226 | 19,465 | 23,405 |
| 30140 |  | 470,795 | 86,400 | 35,170 | 12,035 | 18,948 |
| 30150 |  | 180,060 | 22,258 | 22,850 | 8,874  | 9,353  |
| 31110 |  | 229,451 | 27,443 | 28,303 | 11,492 | 12,023 |
| 31120 |  | 328,648 | 42,793 | 32,426 | 10,791 | 14,375 |
| 31130 |  | 169,843 | 27,325 | 17,556 | 6,271  | 7,780  |
| 31140 |  | 266,606 | 45,766 | 17,226 | 6,204  | 10,444 |

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