

Supplemental Data List

Supplementary Table S1: Feature of regional governmental expenditures. (page 2).

Supplementary Table S2: Impacts of financial expenditure ratio (Model-1) and per Capita (Model-2,3,4) of divisions and subdivisions of prefectures and municipalities on suicide mortality of male plus female caused by major six motives. (page 3).

Supplementary Table S3: Impacts of financial expenditure ratio (Model-1) and per Capita (Model-2,3,4) of divisions and subdivisions of prefectures and municipalities on suicide mortality of male caused by major six motives. (page 4).

Supplementary Table S4: Impacts of financial expenditure ratio (Model-1) and per Capita (Model-2,3,4) of divisions and subdivisions of prefectures and municipalities on suicide mortality of female caused by major six motives. (page 5).

Supplementary Table S1:**Feature of regional governmental expenditures**

| Division/Subdivision | Subject/Content |
|-----------------------------|--|
| public health | public health expenditure of prefecture/municipality comprises support for or the improvement of medical care, mental health and collecting/disposing of general waste, to maintain and improve public health and the regional environment. |
| public works | public works expenditure of prefecture/municipality comprises constructing new public facilities and the improvement of existing ones, including roads, bridges, parks and sewers. |
| police | police expenditure comprises salaries of police officers, police construction, projects and traffic signals, to carry out police administration to prevent crime, ensure traffic safety, maintain the safety and order of regional communities, and protect the lives and property of individuals. |
| Ambulance/fire | Ambulance/fire services expenditure of municipality comprises salaries of fire-station officers, station construction and fire trucks and ambulances, to protect individuals from disasters for emergency cases and the sudden deterioration of health. |
| Education | Education expenditure of prefecture/municipality comprises salaries of educational officers, constructing new educational facilities and improving existing educational facilities. |
| Social | facilities including public halls, libraries and museums |
| Elementary school | 6~12 years old |
| Junior high school | 12~15 years old |
| Senior high school | 15~18 years old |
| Special school | for the education of special needs individuals: prefecture: 3~18 years old |
| Kindergarten school | 3~6 years old |
| Welfare | Welfare expenditure of prefecture/municipality comprises mainly social assistance expenditure. |
| Social | Various support for individuals with disabilities and welfare assistance for unclassifiable subjects. |
| Elderly | Financial support contributions for health insurance of elderly and long-term care insurance (for individuals 65 years old and over) |
| Children | Support for caregiver (excluding livelihood welfare recipients) raising child (up to 15 years old): allowance, school lunches and medical expenses subsidy (for individuals younger than 17 years old) |
| Livelihood | Support for livelihood-protection individuals |

Supplementary Table S2:
Impacts of financial expenditure ratio (Model-1) and per Capita (Model-2,3,4) of divisions and subdivisions of prefectures and municipalities on suicide mortality of male plus female caused by major six motives.

| Factors | Family | | | | Health | | | | Economy | | | | Employment | | | | Romance | | | | School | | | |
|-------------------------------|--------|------|-------|--------------------------------|--------|------|-------|-------------------------------|---------|------|-------|-------------------------------|------------|------|-------|--------------------------------|---------|------|-------|-------------------------------|--------|------|-------|---------|
| | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p |
| Model-1 | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | -0.47 | 0.10 | -3.70 | 0.001 ** | -0.48 | 0.29 | -4.26 | 0.000 ** | -0.44 | 0.16 | -4.12 | 0.000 ** | -0.35 | 0.07 | -2.68 | 0.011 * | -0.23 | 0.03 | -2.09 | 0.043 * | -0.12 | 0.02 | -1.06 | 0.293 |
| public works | 0.45 | 0.04 | 3.02 | 0.004 ** | 0.47 | 0.13 | 3.10 | 0.003 ** | 0.67 | 0.08 | 4.18 | 0.000 ** | 0.30 | 0.03 | 1.86 | 0.070 | 0.43 | 0.02 | 2.11 | 0.041 * | 0.03 | 0.01 | 0.20 | 0.846 |
| police | 0.03 | 0.01 | 0.27 | 0.792 | -0.28 | 0.02 | -3.45 | 0.001 ** | -0.34 | 0.02 | -3.36 | 0.002 * | -0.07 | 0.01 | -0.63 | 0.529 | -0.28 | 0.00 | -2.72 | 0.010 ** | -0.04 | 0.00 | -0.45 | 0.658 |
| Ambulance/fire | -0.40 | 0.01 | -1.18 | 0.245 | -0.04 | 0.02 | -0.10 | 0.919 | 0.44 | 0.02 | 1.00 | 0.322 | -0.01 | 0.00 | -0.03 | 0.977 | -0.03 | 0.00 | -0.07 | 0.942 | 0.32 | 0.00 | 0.76 | 0.452 |
| Welfare | -0.11 | 0.01 | -2.10 | 0.042 * | 0.01 | 0.06 | 0.17 | 0.863 | -0.19 | 0.06 | -1.56 | 0.127 | 0.01 | 0.02 | 0.11 | 0.913 | 0.02 | 0.01 | 0.31 | 0.755 | 0.13 | 0.00 | 1.73 | 0.091 |
| Education | 0.05 | 0.05 | 1.00 | 0.325 | 0.01 | 0.14 | 0.29 | 0.773 | 0.00 | 0.08 | -0.10 | 0.922 | 0.05 | 0.03 | 0.93 | 0.356 | 0.01 | 0.01 | 0.22 | 0.828 | 0.05 | 0.01 | 1.44 | 0.156 |
| (VC=0.254, X²=295.08, p<0.01) | | | | (VC=3.939, X²=717.00, p<0.01) | | | | (VC=0.465, X²=249.47, p<0.01) | | | | (VC=0.086, X²=247.75, p<0.01) | | | | (VC=0.013, X²=145.99, p<0.01) | | | | (VC=0.004, X²=134.89, p<0.01) | | | | |
| Model-2 | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.10 | 0.02 | 3.03 | 0.004 ** | 0.00 | 0.06 | -0.05 | 0.963 | -0.09 | 0.04 | -2.70 | 0.010 * | 0.02 | 0.01 | 0.51 | 0.616 | -0.03 | 0.01 | -0.63 | 0.531 | 0.00 | 0.00 | -0.11 | 0.912 |
| public works | 0.14 | 0.02 | 1.72 | 0.093 | 0.05 | 0.12 | 0.34 | 0.732 | -0.04 | 0.12 | -0.20 | 0.843 | 0.02 | 0.03 | 0.10 | 0.920 | -0.09 | 0.01 | -1.07 | 0.289 | -0.13 | 0.00 | -1.60 | 0.116 |
| police | -0.43 | 0.53 | -1.83 | 0.074 | -0.22 | 1.40 | -1.10 | 0.280 | 0.50 | 0.89 | 2.36 | 0.023 * | -0.56 | 0.25 | -3.11 | 0.003 ** | -0.29 | 0.16 | -1.21 | 0.235 | -0.63 | 0.10 | -2.58 | 0.014 * |
| Ambulance/fire | -0.54 | 0.16 | -5.46 | 0.000 ** | -0.53 | 0.51 | -5.22 | 0.000 ** | -0.82 | 0.35 | -7.01 | 0.000 ** | -0.27 | 0.12 | -2.24 | 0.030 * | -0.39 | 0.06 | -3.12 | 0.003 ** | 0.00 | 0.03 | 0.03 | 0.979 |
| Welfare | -0.10 | 0.01 | -1.46 | 0.151 | -0.15 | 0.08 | -1.03 | 0.311 | -0.44 | 0.07 | -2.17 | 0.036 * | -0.10 | 0.01 | -1.48 | 0.146 | -0.14 | 0.01 | -1.29 | 0.203 | 0.02 | 0.00 | 0.19 | 0.848 |
| Education | -0.74 | 0.11 | -3.27 | 0.002 ** | -0.87 | 0.29 | -4.51 | 0.000 ** | -0.75 | 0.16 | -4.30 | 0.000 ** | -0.44 | 0.06 | -2.06 | 0.046 * | -0.53 | 0.03 | -2.92 | 0.006 ** | -0.10 | 0.02 | -0.47 | 0.640 |
| (VC=0.280, X²=311.69, p<0.01) | | | | (VC=3.872, X²=527.56, p<0.01) | | | | (VC=0.412, X²=164.48, p<0.01) | | | | (VC=0.113, X²=296.60, p<0.01) | | | | (VC=0.012, X²=134.14, p<0.01) | | | | (VC=0.006, X²=159.61, p<0.01) | | | | |
| Model-3 | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.10 | 0.02 | 2.85 | 0.007 ** | 0.00 | 0.06 | -0.11 | 0.910 | -0.09 | 0.04 | -2.25 | 0.031 * | 0.02 | 0.02 | 0.53 | 0.601 | -0.03 | 0.01 | -0.72 | 0.475 | -0.02 | 0.01 | -0.28 | 0.778 |
| public works | 0.11 | 0.02 | 1.69 | 0.100 | 0.00 | 0.10 | 0.02 | 0.986 | -0.11 | 0.10 | -0.57 | 0.574 | -0.03 | 0.02 | -0.20 | 0.843 | -0.12 | 0.01 | -1.56 | 0.126 | -0.14 | 0.00 | -1.57 | 0.125 |
| police | -0.38 | 0.53 | -1.61 | 0.116 | -0.23 | 1.34 | -1.23 | 0.228 | 0.46 | 0.82 | 2.35 | 0.024 * | -0.55 | 0.25 | -3.01 | 0.005 ** | -0.26 | 0.17 | -1.01 | 0.318 | 0.09 | 0.03 | 1.06 | 0.296 |
| Ambulance/fire | -0.54 | 0.16 | -5.62 | 0.000 * | -0.52 | 0.46 | -5.69 | 0.000 ** | -0.79 | 0.29 | -8.10 | 0.000 ** | -0.23 | 0.14 | -1.65 | 0.108 | -0.33 | 0.06 | -2.71 | 0.010 * | 0.04 | 0.03 | 0.37 | 0.714 |
| Welfare | -0.08 | 0.01 | -1.38 | 0.176 | -0.11 | 0.06 | -0.95 | 0.350 | -0.37 | 0.06 | -2.19 | 0.035 * | -0.06 | 0.01 | -1.18 | 0.244 | -0.11 | 0.00 | -1.33 | 0.190 | 0.01 | 0.00 | 0.11 | 0.910 |
| (Education) | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | -0.05 | 0.20 | -0.64 | 0.526 | -0.16 | 0.49 | -2.60 | 0.013 * | -0.15 | 0.37 | -1.98 | 0.055 | -0.10 | 0.09 | -1.88 | 0.069 | -0.18 | 0.07 | -2.16 | 0.037 * | -0.13 | 0.04 | -1.37 | 0.180 |
| Elementary | -0.19 | 0.01 | -1.30 | 0.201 | -0.28 | 0.02 | -2.46 | 0.019 * | -0.24 | 0.02 | -1.99 | 0.055 | -0.01 | 0.01 | -0.08 | 0.936 | -0.17 | 0.00 | -1.50 | 0.143 | 0.06 | 0.00 | 0.50 | 0.618 |
| Junior | 0.01 | 0.01 | 0.07 | 0.946 | 0.01 | 0.04 | 0.08 | 0.936 | -0.07 | 0.02 | -0.56 | 0.579 | -0.05 | 0.01 | -0.35 | 0.730 | 0.08 | 0.00 | 0.49 | 0.625 | -0.01 | 0.00 | -0.05 | 0.960 |
| High | -0.08 | 0.01 | -0.83 | 0.409 | -0.01 | 0.02 | -0.07 | 0.943 | 0.07 | 0.01 | 0.85 | 0.402 | 0.00 | 0.00 | 0.00 | 0.997 | -0.05 | 0.00 | -0.46 | 0.645 | -0.02 | 0.00 | -0.23 | 0.821 |
| Special | 0.03 | 0.00 | 0.27 | 0.789 | 0.16 | 0.00 | 1.86 | 0.072 | 0.26 | 0.00 | 2.84 | 0.007 ** | 0.17 | 0.00 | 1.49 | 0.146 | 0.12 | 0.00 | 1.11 | 0.273 | -0.09 | 0.00 | -1.03 | 0.309 |
| Kindergarten | -0.39 | 0.01 | -3.64 | 0.001 ** | -0.50 | 0.02 | -3.58 | 0.001 ** | -0.59 | 0.01 | -5.97 | 0.000 ** | -0.35 | 0.00 | -3.09 | 0.004 ** | -0.31 | 0.00 | -2.45 | 0.019 * | -0.20 | 0.00 | -1.73 | 0.093 |
| (VC=0.270, X²=309.08, p<0.01) | | | | (VC=3.955, X²=593.532, p<0.01) | | | | (VC=0.396, X²=179.70, p<0.01) | | | | (VC=0.101, X²=281.44, p<0.01) | | | | (VC=0.010, X²=122.367, p<0.01) | | | | (VC=0.004, X²=134.52, p<0.01) | | | | |
| Model-4 | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.11 | 0.02 | 3.02 | 0.005 ** | 0.03 | 0.07 | 0.68 | 0.498 | -0.06 | 0.05 | -1.32 | 0.196 | 0.03 | 0.02 | 0.50 | 0.617 | -0.02 | 0.01 | -0.28 | 0.780 | -0.02 | 0.00 | -0.45 | 0.658 |
| public works | 0.12 | 0.02 | 1.97 | 0.057 | 0.00 | 0.05 | -0.03 | 0.980 | -0.13 | 0.04 | -1.83 | 0.077 | -0.02 | 0.01 | -0.32 | 0.748 | -0.13 | 0.01 | -1.48 | 0.148 | -0.15 | 0.00 | -1.74 | 0.091 |
| police | -0.44 | 0.60 | -1.68 | 0.102 | -0.26 | 1.09 | -1.67 | 0.105 | 0.30 | 0.81 | 1.58 | 0.124 | -0.08 | 0.18 | -0.57 | 0.570 | -0.32 | 0.16 | -1.31 | 0.200 | 0.22 | 0.06 | 1.50 | 0.142 |
| Ambulance/fire | -0.34 | 0.18 | -3.04 | 0.005 ** | -0.23 | 0.39 | -3.02 | 0.005 ** | -0.48 | 0.23 | -6.31 | 0.000 ** | -0.05 | 0.11 | -0.44 | 0.663 | -0.16 | 0.06 | -1.32 | 0.197 | 0.07 | 0.03 | 0.65 | 0.520 |
| (Education) | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | 0.05 | 0.16 | 0.79 | 0.437 | -0.01 | 0.47 | -0.21 | 0.832 | 0.02 | 0.30 | 0.38 | 0.704 | -0.03 | 0.13 | -0.41 | 0.682 | -0.09 | 0.07 | -1.03 | 0.312 | -0.13 | 0.03 | -1.71 | 0.097 |
| Elementary | -0.13 | 0.01 | -0.89 | 0.380 | -0.16 | 0.02 | -2.20 | 0.035 | -0.12 | 0.01 | -1.10 | 0.277 | 0.06 | 0.00 | 0.55 | 0.585 | -0.08 | 0.00 | -0.65 | 0.519 | 0.07 | 0.00 | 0.69 | 0.497 |
| Junior | 0.03 | 0.01 | 0.22 | 0.830 | 0.09 | 0.02 | 1.06 | 0.296 | -0.09 | 0.02 | -0.95 | 0.347 | -0.04 | 0.01 | -0.34 | 0.734 | 0.12 | 0.00 | 0.87 | 0.393 | -0.01 | 0.00 | -0.10 | 0.919 |
| High | -0.06 | 0.01 | -0.66 | 0.513 | 0.08 | 0.01 | 1.25 | 0.219 | 0.11 | 0.01 | 1.85 | 0.073 | -0.02 | 0.00 | -0.26 | 0.798 | 0.00 | 0.00 | -0.02 | 0.986 | -0.04 | 0.00 | -0.43 | 0.671 |
| Special | 0.00 | 0.00 | -0.02 | 0.982 | 0.08 | 0.00 | 1.61 | 0.118 | 0.20 | 0.00 | 2.85 | 0.007 ** | 0.10 | 0.00 | 1.39 | 0.173 | 0.07 | 0.00 | 0.86 | 0.396 | -0.10 | 0.00 | -1.18 | 0.245 |
| Kindergarten | -0.13 | 0.01 | -1.24 | 0.223 | -0.04 | 0.01 | -0.51 | 0.614 | -0.05 | 0.01 | -0.76 | 0.453 | -0.18 | 0.00 | -1.60 | 0.119 | 0.02 | 0.00 | 0.15 | 0.880 | -0.19 | 0.00 | -1.33 | 0.192 |
| (Welfare) | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | -0.30 | 0.11 | -2.38 | 0.023 * | -0.36 | 0.19 | -5.27 | 0.000 ** | -0.39 | 0.13 | -4.76 | 0.000 ** | -0.26 | 0.06 | -2.48 | 0.018 * | -0.11 | 0.03 | -0.96 | 0.346 | -0.03 | 0.02 | -0.24 | 0.810 |
| Elderly | 0.35 | 0.05 | 2.78 | 0.009 ** | 0.23 | 0.11 | 2.69 | 0.011 * | 0.38 | 0.07 | 3.86 | 0.000 ** | 0.19 | 0.04 | 1.35 | 0.187 | 0.20 | 0.02 | 1.22 | 0.231 | 0.02 | 0.01 | 0.10 | 0.922 |
| Children | 0.00 | 0.01 | 0.00 | 0.998 | -0.26 | 0.02 | -4.29 | 0.000 ** | -0.40 | 0.02 | -5.46 | 0.000 ** | -0.03 | 0.01 | -0.33 | 0.746 | -0.30 | 0.00 | -3.12 | 0.004 * | 0.00 | 0.00 | 0.03 | 0.977 |
| Livelihood | 0.01 | 0.01 | 0.09 | 0.930 | -0.07 | 0.02 | -0.84 | 0.408 | 0.10 | 0.02 | 0.86 | 0.395 | 0.00 | 0.01 | -0.03 | 0.978 | -0.03 | 0.00 | -0.22 | 0.825 | 0.06 | 0.00 | 0.31 | 0.756 |
| (VC=0.256, X²=313.33, p<0.01) | | | | (VC=4.462, X²=866.14, p<0.01) | | | | (VC=0.621, X²=342.33, p<0.01) | | | | (VC=0.092, X²=266.89, p<0.01) | | | | (VC=0.009, X²=123.03, p<0.01) | | | | (VC=0.002, X²=95.86, p<0.01) | | | | |

Supplementary Table S3:
Impacts of financial expenditure ratio (Model-1) and per Capita (Model-2,3,4) of divisions and subdivisions of prefectures and municipalities on suicide mortality of male caused by major six motives.

| Factors | Family | | | | Health | | | | Economy | | | | Employment | | | | Romance | | | | School | | | | | | | | |
|-------------------------------|--------|------|-------|----------|-------------------------------|------|-------|----------|---------|-------------------------------|-------|----------|------------|------|-------------------------------|---------|---------|------|-------|-------------------------------|--------|------|-------|----------|-------------------------------|--|--|--|--|
| | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | | | | | |
| Model-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | -0.37 | 0.14 | -3.25 | 0.002 ** | -0.38 | 0.43 | -2.97 | 0.005 ** | -0.42 | 0.31 | -3.85 | 0.000 ** | -0.29 | 0.12 | -2.37 | 0.022 * | -0.04 | 0.04 | -0.29 | 0.770 | -0.26 | 0.02 | -3.04 | 0.004 * | | | | | |
| public works | 0.49 | 0.06 | 3.46 | 0.001 ** | 0.38 | 0.20 | 2.20 | 0.034 * | 0.70 | 0.16 | 4.26 | 0.000 ** | 0.21 | 0.05 | 1.27 | 0.212 | 0.64 | 0.02 | 3.53 | 0.001 ** | 0.08 | 0.01 | 0.51 | 0.615 | | | | | |
| police | 0.00 | 0.02 | 0.04 | 0.968 | -0.31 | 0.04 | -3.53 | 0.001 ** | -0.34 | 0.04 | -3.22 | 0.002 ** | -0.11 | 0.01 | -1.02 | 0.312 | -0.27 | 0.00 | -2.38 | 0.022 * | 0.07 | 0.00 | 0.78 | 0.439 | | | | | |
| Ambulance/fire | -0.41 | 0.01 | -1.32 | 0.194 | 0.11 | 0.04 | 0.23 | 0.817 | 0.39 | 0.03 | 0.88 | 0.386 | -0.24 | 0.01 | -0.74 | 0.463 | -0.67 | 0.00 | -1.98 | 0.054 | 0.01 | 0.00 | 0.03 | 0.978 | | | | | |
| Welfare | -0.14 | 0.02 | -2.36 | 0.023 * | 0.00 | 0.08 | -0.04 | 0.965 | -0.22 | 0.11 | -1.71 | 0.094 | -0.14 | 0.04 | -1.10 | 0.277 | 0.01 | 0.02 | 0.08 | 0.937 | 0.03 | 0.01 | 0.26 | 0.795 | | | | | |
| Education | 0.00 | 0.05 | -0.09 | 0.930 | -0.01 | 0.18 | -0.30 | 0.768 | -0.02 | 0.16 | -0.41 | 0.685 | -0.03 | 0.05 | -0.60 | 0.550 | 0.01 | 0.02 | 0.18 | 0.858 | 0.08 | 0.02 | 1.04 | 0.303 | | | | | |
| (VC=0.472, X²=241.21, p<0.01) | | | | | (VC=6.944, X²=654.93, p<0.01) | | | | | (VC=1.605, X²=240.02, p<0.01) | | | | | (VC=0.309, X²=236.39, p<0.01) | | | | | (VC=0.023, X²=115.92, p<0.01) | | | | | (VC=0.012, X²=125.75, p<0.01) | | | | |
| Model-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.03 | 0.02 | 1.05 | 0.298 | -0.03 | 0.09 | -0.67 | 0.509 | -0.11 | 0.07 | -3.02 | 0.004 ** | -0.01 | 0.02 | -0.18 | 0.859 | -0.02 | 0.02 | -0.28 | 0.782 | 0.04 | 0.01 | 0.60 | 0.549 | | | | | |
| public works | 0.10 | 0.03 | 1.19 | 0.243 | 0.04 | 0.15 | 0.32 | 0.751 | -0.05 | 0.22 | -0.23 | 0.823 | 0.09 | 0.06 | 0.52 | 0.606 | -0.12 | 0.01 | -1.10 | 0.276 | 0.03 | 0.01 | 0.27 | 0.787 | | | | | |
| police | -0.25 | 0.84 | -1.02 | 0.312 | -0.07 | 1.84 | -0.35 | 0.726 | 0.50 | 1.60 | 2.50 | 0.017 * | -0.16 | 0.60 | -0.72 | 0.478 | -0.07 | 0.27 | -0.27 | 0.792 | -0.03 | 0.17 | -0.11 | 0.910 | | | | | |
| Ambulance/fire | -0.50 | 0.22 | -5.70 | 0.000 ** | -0.43 | 0.54 | -5.30 | 0.000 ** | -0.83 | 0.68 | -7.03 | 0.000 ** | -0.15 | 0.15 | -1.92 | 0.061 | -0.20 | 0.06 | -2.50 | 0.016 * | 0.02 | 0.04 | 0.26 | 0.794 | | | | | |
| Welfare | -0.11 | 0.02 | -1.77 | 0.083 | -0.14 | 0.09 | -1.12 | 0.271 | -0.45 | 0.13 | -2.19 | 0.034 * | -0.12 | 0.02 | -1.60 | 0.117 | -0.12 | 0.01 | -1.43 | 0.161 | -0.08 | 0.00 | -1.13 | 0.265 | | | | | |
| Education | -0.78 | 0.18 | -3.12 | 0.003 ** | -0.88 | 0.44 | -3.91 | 0.000 ** | -0.77 | 0.31 | -4.24 | 0.000 ** | -0.68 | 0.18 | -2.15 | 0.038 * | -0.50 | 0.04 | -2.47 | 0.018 * | -0.12 | 0.03 | -0.58 | 0.564 | | | | | |
| (VC=0.504, X²=250.65, p<0.01) | | | | | (VC=6.469, X²=494.38, p<0.01) | | | | | (VC=1.404, X²=159.93, p<0.01) | | | | | (VC=0.418, X²=285.93, p<0.01) | | | | | (VC=0.019, X²=100.72, p<0.01) | | | | | (VC=0.014, X²=138.53, p<0.01) | | | | |
| Model-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.02 | 0.02 | 0.77 | 0.448 | -0.03 | 0.09 | -0.75 | 0.458 | -0.10 | 0.08 | -2.58 | 0.014 * | -0.01 | 0.02 | -0.14 | 0.888 | -0.02 | 0.02 | -0.39 | 0.696 | 0.03 | 0.01 | 0.53 | 0.598 | | | | | |
| public works | 0.07 | 0.03 | 1.01 | 0.319 | -0.01 | 0.12 | -0.08 | 0.940 | -0.11 | 0.18 | -0.60 | 0.553 | 0.04 | 0.05 | 0.28 | 0.778 | -0.14 | 0.01 | -1.23 | 0.225 | 0.05 | 0.01 | 0.32 | 0.749 | | | | | |
| police | -0.23 | 0.81 | -0.96 | 0.342 | -0.11 | 1.82 | -0.57 | 0.573 | 0.46 | 1.50 | 2.45 | 0.019 * | -0.18 | 0.57 | -0.85 | 0.403 | -0.03 | 0.30 | -0.12 | 0.909 | 0.12 | 0.17 | 0.49 | 0.627 | | | | | |
| Ambulance/fire | -0.53 | 0.24 | -5.45 | 0.000 ** | -0.42 | 0.56 | -4.98 | 0.000 ** | -0.80 | 0.57 | -8.09 | 0.000 ** | -0.13 | 0.19 | -1.27 | 0.213 | -0.14 | 0.09 | -1.16 | 0.255 | 0.02 | 0.05 | 0.23 | 0.822 | | | | | |
| Welfare | -0.09 | 0.02 | -1.64 | 0.111 | -0.11 | 0.08 | -1.02 | 0.315 | -0.38 | 0.11 | -2.21 | 0.034 * | -0.08 | 0.01 | -1.34 | 0.190 | -0.11 | 0.01 | -1.32 | 0.197 | -0.12 | 0.00 | -2.04 | 0.049 * | | | | | |
| (Education) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | -0.01 | 0.25 | -0.23 | 0.817 | -0.15 | 0.71 | -2.29 | 0.028 * | -0.14 | 0.67 | -1.99 | 0.054 | -0.04 | 0.33 | -0.43 | 0.672 | -0.22 | 0.15 | -1.73 | 0.092 | -0.17 | 0.05 | -2.52 | 0.016 * | | | | | |
| Elementary | -0.15 | 0.02 | -0.91 | 0.370 | -0.27 | 0.03 | -2.31 | 0.027 * | -0.26 | 0.03 | -2.14 | 0.040 * | -0.11 | 0.01 | -0.66 | 0.514 | -0.02 | 0.01 | -0.14 | 0.893 | 0.16 | 0.00 | 1.01 | 0.318 | | | | | |
| Junior | -0.12 | 0.02 | -0.69 | 0.494 | -0.03 | 0.05 | -0.24 | 0.814 | -0.06 | 0.04 | -0.40 | 0.691 | -0.06 | 0.02 | -0.44 | 0.660 | -0.05 | 0.01 | -0.27 | 0.787 | 0.08 | 0.01 | 0.40 | 0.688 | | | | | |
| High | -0.04 | 0.01 | -0.39 | 0.698 | -0.02 | 0.02 | -0.25 | 0.802 | 0.06 | 0.02 | 0.66 | 0.511 | -0.07 | 0.01 | -0.82 | 0.417 | -0.08 | 0.00 | -0.64 | 0.524 | 0.04 | 0.00 | 0.32 | 0.754 | | | | | |
| Special | 0.02 | 0.00 | 0.20 | 0.843 | 0.17 | 0.00 | 1.97 | 0.056 | 0.25 | 0.00 | 2.76 | 0.009 ** | 0.18 | 0.00 | 1.51 | 0.140 | 0.08 | 0.00 | 0.51 | 0.611 | -0.20 | 0.00 | -2.32 | 0.026 * | | | | | |
| Kindergarten | -0.41 | 0.01 | -3.74 | 0.001 ** | -0.45 | 0.03 | -3.42 | 0.002 ** | -0.59 | 0.02 | -5.78 | 0.000 ** | -0.39 | 0.01 | -2.60 | 0.013 * | -0.17 | 0.00 | -1.51 | 0.139 | -0.09 | 0.00 | -1.19 | 0.243 | | | | | |
| (VC=0.504, X²=253.52, p<0.01) | | | | | (VC=6.898, X²=563.23, p<0.01) | | | | | (VC=1.380, X²=177.02, p<0.01) | | | | | (VC=0.385, X²=275.66, p<0.01) | | | | | (VC=0.017, X²=97.36, p<0.01) | | | | | (VC=0.012, X²=127.23, p<0.01) | | | | |
| Model-4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.02 | 0.05 | 0.44 | 0.666 | -0.01 | 0.10 | -0.12 | 0.906 | -0.07 | 0.09 | -1.65 | 0.109 | 0.03 | 0.02 | 0.95 | 0.351 | -0.05 | 0.01 | -0.87 | 0.390 | 0.06 | 0.01 | 1.12 | 0.269 | | | | | |
| public works | 0.08 | 0.03 | 1.06 | 0.296 | -0.02 | 0.06 | -0.37 | 0.711 | -0.12 | 0.07 | -1.79 | 0.083 | 0.06 | 0.05 | 0.41 | 0.685 | -0.13 | 0.01 | -1.36 | 0.183 | 0.07 | 0.01 | 0.53 | 0.602 | | | | | |
| police | -0.32 | 0.72 | -1.53 | 0.136 | -0.16 | 1.53 | -0.99 | 0.331 | 0.35 | 1.54 | 1.81 | 0.079 | -0.09 | 0.65 | -0.37 | 0.715 | -0.25 | 0.30 | -0.84 | 0.410 | 0.26 | 0.18 | 0.98 | 0.333 | | | | | |
| Ambulance/fire | -0.34 | 0.25 | -3.27 | 0.002 ** | -0.18 | 0.55 | -2.15 | 0.039 * | -0.51 | 0.42 | -7.05 | 0.000 ** | 0.02 | 0.20 | 0.24 | 0.815 | 0.06 | 0.08 | 0.51 | 0.614 | 0.16 | 0.05 | 1.57 | 0.126 | | | | | |
| (Education) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | 0.07 | 0.31 | 0.91 | 0.368 | -0.03 | 0.66 | -0.47 | 0.638 | 0.03 | 0.63 | 0.48 | 0.633 | 0.06 | 0.26 | 0.69 | 0.497 | -0.14 | 0.10 | -1.61 | 0.117 | -0.06 | 0.05 | -0.92 | 0.364 | | | | | |
| Elementary | -0.08 | 0.01 | -0.85 | 0.402 | -0.16 | 0.02 | -2.04 | 0.050 * | -0.13 | 0.03 | -1.16 | 0.256 | -0.06 | 0.01 | -0.37 | 0.716 | 0.10 | 0.01 | 0.58 | 0.567 | 0.21 | 0.00 | 1.36 | 0.183 | | | | | |
| Junior | -0.11 | 0.02 | -0.94 | 0.353 | 0.03 | 0.03 | 0.32 | 0.753 | -0.07 | 0.03 | -0.72 | 0.477 | 0.01 | 0.01 | 0.07 | 0.944 | -0.05 | 0.01 | -0.28 | 0.782 | 0.09 | 0.01 | 0.48 | 0.632 | | | | | |
| High | -0.03 | 0.01 | -0.35 | 0.732 | 0.05 | 0.02 | 0.71 | 0.485 | 0.09 | 0.01 | 1.51 | 0.141 | 0.00 | 0.01 | -0.02 | 0.986 | -0.08 | 0.00 | -0.73 | 0.473 | 0.09 | 0.00 | 0.77 | 0.447 | | | | | |
| Special | 0.00 | 0.00 | -0.07 | 0.947 | 0.11 | 0.00 | 1.93 | 0.063 | 0.14 | 0.00 | 2.22 | 0.033 * | 0.13 | 0.00 | 1.23 | 0.226 | 0.03 | 0.00 | 0.23 | 0.823 | -0.24 | 0.00 | -2.78 | 0.009 ** | | | | | |
| Kindergarten | -0.15 | 0.01 | -1.46 | 0.155 | -0.03 | 0.02 | -0.37 | 0.712 | -0.09 | 0.01 | -1.40 | 0.170 | -0.14 | 0.01 | -0.90 | 0.376 | 0.17 | 0.00 | 1.75 | 0.089 | -0.10 | 0.00 | -0.89 | 0.378 | | | | | |
| (Welfare) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | -0.25 | 0.13 | -2.44 | 0.020 * | -0.27 | 0.26 | -3.66 | 0.001 ** | -0.37 | 0.27 | -4.29 | 0.000 ** | -0.32 | 0.14 | -2.37 | 0.024 * | 0.02 | 0.05 | 0.12 | 0.901 | -0.35 | 0.03 | -2.93 | 0.006 ** | | | | | |
| Elderly | 0.36 | 0.08 | 2.68 | 0.011 * | 0.21 | 0.15 | 2.27 | 0.030 * | 0.37 | 0.15 | 3.69 | 0.001 ** | -0.02 | 0.07 | -0.15 | 0.880 | 0.62 | 0.04 | 3.10 | 0.004 ** | 0.06 | 0.02 | 0.41 | 0.682 | | | | | |
| Children | -0.03 | 0.02 | -0.38 | 0.707 | -0.29 | 0.03 | -4.56 | 0.000 ** | -0.40 | 0.03 | -5.43 | 0.000 ** | -0.09 | 0.02 | -0.81 | 0.424 | -0.26 | 0.01 | -2.53 | 0.016 * | 0.06 | 0.00 | 0.89 | 0.380 | | | | | |
| Livelihood | 0.04 | 0.01 | 0.36 | 0.718 | 0.00 | 0.03 | -0.01 | 0.989 | 0.08 | 0.03 | 0.71 | 0.483 | -0.21 | 0.01 | -1.38 | 0.177 | -0.03 | 0.01 | -0.16 | 0.874 | -0.13 | 0.00 | -1.04 | 0.307 | | | | | |
| (VC=0.478, X²=254.86, p<0.01) | | | | | (VC=8.111, X²=800.89, p<0.01) | | | | | (VC=2.438, X²=268.49, p<0.01) | | | | | (VC=0.320, X²=248.06, p<0.01) | | | | | (VC=0.017, X²=100.47, p<0.01) | | | | | (VC=0.006, X²=90.76, p<0.01) | | | | |

β: coefficient value, SE: standard error, VC: variance component, χ^2 : Chi-square value.

*p<0.05 and **p<0.01 by hierarchal linear regression model analysis.

Supplementary Table S4:
Impacts of financial expenditure ratio (Model-1) and per Capita (Model-2,3,4) of divisions and subdivisions of prefectures and municipalities on suicide mortality of female caused by major six motives.

| Factors | Family | | | | Health | | | | Economy | | | | Employment | | | | Romance | | | | School | | | | | | | | |
|-------------------------------|--------|------|-------|----------|-------------------------------|------|-------|----------|---------|-------------------------------|-------|----------|------------|------|------------------------------|----------|---------|------|-------|------------------------------|--------|------|-------|-------|------------------------------|--|--|--|--|
| | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | β | SE | T | p | | | | | |
| Model-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | -0.47 | 0.09 | -3.61 | 0.001 ** | -0.57 | 0.18 | -6.45 | 0.000 ** | -0.48 | 0.04 | -4.29 | 0.000 ** | -0.06 | 0.03 | -0.48 | 0.634 | -0.25 | 0.02 | -2.51 | 0.016 * | -0.13 | 0.01 | -1.29 | 0.205 | | | | | |
| public works | 0.24 | 0.04 | 1.47 | 0.150 | 0.55 | 0.10 | 3.99 | 0.000 ** | 0.36 | 0.02 | 2.21 | 0.033 * | 0.22 | 0.01 | 1.17 | 0.248 | 0.42 | 0.01 | 2.85 | 0.007 ** | 0.10 | 0.01 | 0.57 | 0.574 | | | | | |
| police | 0.06 | 0.01 | 0.57 | 0.572 | -0.18 | 0.02 | -2.57 | 0.014 * | -0.15 | 0.01 | -1.33 | 0.190 | 0.10 | 0.00 | 0.79 | 0.434 | -0.18 | 0.00 | -1.59 | 0.119 | 0.08 | 0.00 | 0.90 | 0.373 | | | | | |
| Ambulance/fire | -0.27 | 0.01 | -0.72 | 0.477 | -0.27 | 0.01 | -0.91 | 0.370 | 0.38 | 0.00 | 1.06 | 0.296 | -0.24 | 0.00 | -0.57 | 0.571 | -0.03 | 0.00 | -0.10 | 0.918 | 0.17 | 0.00 | 0.35 | 0.725 | | | | | |
| Welfare | -0.03 | 0.01 | -0.37 | 0.717 | 0.04 | 0.04 | 0.54 | 0.592 | 0.05 | 0.01 | 0.46 | 0.644 | -0.10 | 0.01 | -0.79 | 0.436 | 0.08 | 0.01 | 0.97 | 0.340 | 0.03 | 0.00 | 0.31 | 0.759 | | | | | |
| Education | 0.13 | 0.06 | 1.60 | 0.118 | 0.05 | 0.12 | 1.07 | 0.291 | 0.10 | 0.03 | 1.76 | 0.085 | 0.13 | 0.02 | 1.86 | 0.070 | 0.08 | 0.02 | 1.45 | 0.156 | 0.01 | 0.01 | 0.23 | 0.816 | | | | | |
| (VC=0.120, X²=179.14, p<0.01) | | | | | (VC=2.126, X²=483.39, p<0.01) | | | | | (VC=0.016, X²=101.78, p<0.01) | | | | | (VC=0.002, X²=66.38, p<0.05) | | | | | (VC=0.008, X²=95.73, p<0.01) | | | | | (VC=0.000, X²=45.02, p>0.05) | | | | |
| Model-2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.20 | 0.03 | 3.40 | 0.001 ** | 0.04 | 0.05 | 1.17 | 0.250 | 0.03 | 0.01 | 1.01 | 0.320 | 0.12 | 0.00 | 4.38 | 0.000 ** | 0.01 | 0.01 | 0.16 | 0.876 | -0.01 | 0.00 | -0.31 | 0.758 | | | | | |
| public works | 0.16 | 0.02 | 2.35 | 0.024 * | 0.06 | 0.11 | 0.36 | 0.718 | 0.00 | 0.02 | 0.03 | 0.980 | -0.12 | 0.00 | -1.95 | 0.058 | -0.01 | 0.01 | -0.10 | 0.924 | -0.10 | 0.00 | -0.92 | 0.363 | | | | | |
| police | -0.58 | 0.39 | -2.72 | 0.010 * | -0.41 | 1.17 | -2.03 | 0.049 * | 0.36 | 0.31 | 1.17 | 0.248 | -0.35 | 0.16 | -1.22 | 0.231 | -0.24 | 0.19 | -0.85 | 0.402 | -0.01 | 0.10 | -0.04 | 0.968 | | | | | |
| Ambulance/fire | -0.44 | 0.17 | -3.33 | 0.002 ** | -0.60 | 0.56 | -4.44 | 0.000 ** | -0.52 | 0.09 | -4.37 | 0.000 ** | -0.12 | 0.05 | -0.93 | 0.356 | -0.26 | 0.06 | -2.21 | 0.033 * | -0.06 | 0.03 | -0.49 | 0.625 | | | | | |
| Welfare | -0.05 | 0.01 | -0.70 | 0.489 | -0.13 | 0.07 | -0.88 | 0.383 | -0.23 | 0.01 | -1.75 | 0.088 | -0.12 | 0.00 | -2.31 | 0.026 * | -0.13 | 0.00 | -1.48 | 0.145 | -0.02 | 0.00 | -0.50 | 0.617 | | | | | |
| Education | -0.44 | 0.07 | -2.37 | 0.023 * | -0.74 | 0.19 | -4.70 | 0.000 * | -0.38 | 0.04 | -2.06 | 0.046 * | 0.11 | 0.03 | 0.46 | 0.648 | -0.51 | 0.02 | -3.26 | 0.002 ** | -0.17 | 0.01 | -0.91 | 0.367 | | | | | |
| (VC=0.137, X²=195.92, p<0.01) | | | | | (VC=2.200, X²=392.98, p<0.01) | | | | | (VC=0.017, X²=95.68, p<0.01) | | | | | (VC=0.003, X²=73.24, p<0.01) | | | | | (VC=0.006, X²=81.21, p<0.01) | | | | | (VC=0.000, X²=43.19, p>0.05) | | | | |
| Model-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.20 | 0.03 | 3.33 | 0.002 ** | 0.04 | 0.05 | 1.14 | 0.260 | 0.03 | 0.01 | 0.90 | 0.372 | 0.12 | 0.01 | 1.64 | 0.109 | 0.00 | 0.01 | -0.03 | 0.974 | -0.01 | 0.00 | -0.26 | 0.798 | | | | | |
| public works | 0.15 | 0.02 | 1.91 | 0.064 | 0.02 | 0.09 | 0.13 | 0.896 | -0.05 | 0.02 | -0.30 | 0.764 | -0.12 | 0.01 | -1.26 | 0.216 | -0.04 | 0.01 | -0.36 | 0.721 | -0.12 | 0.01 | -1.11 | 0.272 | | | | | |
| police | -0.50 | 0.43 | -2.12 | 0.041 * | -0.39 | 1.08 | -2.06 | 0.047 * | 0.33 | 0.29 | 1.18 | 0.245 | -0.29 | 0.16 | -1.04 | 0.305 | -0.29 | 0.19 | -1.05 | 0.300 | -0.11 | 0.12 | -0.33 | 0.741 | | | | | |
| Ambulance/fire | -0.40 | 0.15 | -3.53 | 0.001 ** | -0.59 | 0.45 | -5.40 | 0.000 ** | -0.45 | 0.09 | -3.66 | 0.001 ** | -0.08 | 0.05 | -0.60 | 0.555 | -0.25 | 0.06 | -2.09 | 0.044 * | -0.06 | 0.03 | -0.51 | 0.614 | | | | | |
| Welfare | -0.04 | 0.01 | -0.59 | 0.558 | -0.09 | 0.05 | -0.81 | 0.422 | -0.16 | 0.01 | -1.64 | 0.109 | -0.10 | 0.00 | -1.24 | 0.222 | -0.13 | 0.00 | -1.71 | 0.095 | -0.03 | 0.00 | -0.80 | 0.430 | | | | | |
| (Education) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | -0.09 | 0.18 | -1.04 | 0.305 | -0.15 | 0.61 | -1.63 | 0.111 | -0.19 | 0.14 | -1.55 | 0.130 | 0.00 | 0.07 | -0.04 | 0.965 | -0.23 | 0.07 | -2.53 | 0.016 * | -0.07 | 0.06 | -0.55 | 0.582 | | | | | |
| Elementary | -0.21 | 0.01 | -1.85 | 0.073 | -0.25 | 0.02 | -2.29 | 0.028 * | -0.08 | 0.00 | -0.57 | 0.570 | 0.10 | 0.00 | 0.76 | 0.453 | -0.17 | 0.00 | -1.27 | 0.211 | -0.03 | 0.00 | -0.21 | 0.836 | | | | | |
| Junior | 0.23 | 0.01 | 1.72 | 0.094 | 0.07 | 0.03 | 0.54 | 0.596 | -0.16 | 0.00 | -1.39 | 0.174 | -0.11 | 0.00 | -0.71 | 0.485 | 0.01 | 0.00 | 0.03 | 0.975 | 0.07 | 0.00 | 0.50 | 0.621 | | | | | |
| High | -0.12 | 0.00 | -1.33 | 0.192 | 0.02 | 0.01 | 0.22 | 0.830 | 0.12 | 0.00 | 1.51 | 0.141 | 0.00 | 0.00 | -0.04 | 0.970 | 0.06 | 0.00 | 0.54 | 0.592 | 0.02 | 0.00 | 0.23 | 0.821 | | | | | |
| Special | 0.03 | 0.00 | 0.40 | 0.694 | 0.12 | 0.00 | 1.40 | 0.170 | 0.26 | 0.00 | 2.84 | 0.007 ** | 0.02 | 0.00 | 0.26 | 0.799 | 0.05 | 0.00 | 0.40 | 0.689 | 0.10 | 0.00 | 1.08 | 0.286 | | | | | |
| Kindergarten | -0.24 | 0.00 | -2.22 | 0.033 * | -0.51 | 0.02 | -3.59 | 0.001 ** | -0.44 | 0.00 | -4.49 | 0.000 ** | -0.04 | 0.00 | -0.30 | 0.765 | -0.17 | 0.00 | -1.54 | 0.133 | -0.01 | 0.00 | -0.10 | 0.925 | | | | | |
| (VC=0.125, X²=187.32, p<0.01) | | | | | (VC=2.155, X²=420.89, p<0.01) | | | | | (VC=0.013, X²=89.04, p<0.01) | | | | | (VC=0.003, X²=68.39, p<0.01) | | | | | (VC=0.003, X²=63.96, p<0.01) | | | | | (VC=0.000, X²=39.00, p>0.05) | | | | |
| Model-4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| public health | 0.18 | 0.03 | 3.11 | 0.004 ** | 0.06 | 0.04 | 1.97 | 0.057 | 0.05 | 0.01 | 1.10 | 0.281 | 0.04 | 0.01 | 0.82 | 0.417 | 0.01 | 0.01 | 0.34 | 0.733 | -0.02 | 0.00 | -0.76 | 0.453 | | | | | |
| public works | 0.13 | 0.02 | 1.86 | 0.072 | 0.03 | 0.07 | 0.30 | 0.767 | -0.05 | 0.01 | -0.52 | 0.607 | -0.11 | 0.00 | -1.59 | 0.121 | -0.03 | 0.01 | -0.31 | 0.758 | -0.14 | 0.01 | -1.14 | 0.264 | | | | | |
| police | -0.05 | 0.18 | -0.50 | 0.623 | -0.38 | 0.99 | -2.16 | 0.038 * | 0.23 | 0.29 | 0.79 | 0.433 | -0.35 | 0.17 | -1.18 | 0.248 | -0.34 | 0.18 | -1.29 | 0.205 | -0.24 | 0.11 | -0.83 | 0.415 | | | | | |
| Ambulance/fire | -0.18 | 0.12 | -2.06 | 0.047 * | -0.29 | 0.34 | -3.52 | 0.001 ** | -0.23 | 0.11 | -1.55 | 0.130 | -0.06 | 0.05 | -0.45 | 0.657 | -0.07 | 0.07 | -0.46 | 0.649 | 0.00 | 0.03 | 0.01 | 0.989 | | | | | |
| (Education) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | 0.00 | 0.15 | -0.02 | 0.981 | 0.00 | 0.38 | 0.08 | 0.936 | -0.07 | 0.10 | -0.89 | 0.382 | 0.00 | 0.06 | 0.02 | 0.986 | -0.13 | 0.06 | -1.76 | 0.088 | -0.07 | 0.06 | -0.54 | 0.590 | | | | | |
| Elementary | -0.07 | 0.01 | -0.75 | 0.459 | -0.15 | 0.02 | -1.36 | 0.182 | 0.01 | 0.00 | 0.08 | 0.935 | 0.11 | 0.00 | 0.94 | 0.354 | -0.08 | 0.00 | -0.57 | 0.571 | -0.02 | 0.00 | -0.16 | 0.871 | | | | | |
| Junior | 0.13 | 0.01 | 1.17 | 0.251 | 0.17 | 0.03 | 1.47 | 0.151 | -0.15 | 0.00 | -1.23 | 0.227 | -0.17 | 0.00 | -0.94 | 0.356 | 0.04 | 0.00 | 0.24 | 0.816 | 0.01 | 0.00 | 0.09 | 0.926 | | | | | |
| High | -0.10 | 0.00 | -1.34 | 0.188 | 0.10 | 0.01 | 1.43 | 0.161 | 0.15 | 0.00 | 1.86 | 0.072 | -0.04 | 0.00 | -0.44 | 0.661 | 0.10 | 0.00 | 0.93 | 0.361 | -0.02 | 0.00 | -0.17 | 0.863 | | | | | |
| Special | -0.03 | 0.00 | -0.50 | 0.619 | 0.04 | 0.00 | 0.52 | 0.609 | 0.22 | 0.00 | 2.71 | 0.011 * | 0.03 | 0.00 | 0.32 | 0.748 | 0.00 | 0.00 | 0.01 | 0.994 | 0.12 | 0.00 | 1.31 | 0.198 | | | | | |
| Kindergarten | -0.02 | 0.00 | -0.28 | 0.778 | -0.06 | 0.02 | -0.42 | 0.675 | -0.08 | 0.00 | -0.69 | 0.496 | -0.04 | 0.00 | -0.19 | 0.849 | 0.15 | 0.00 | 1.14 | 0.263 | 0.02 | 0.00 | 0.11 | 0.914 | | | | | |
| (Welfare) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Social | -0.32 | 0.06 | -3.81 | 0.001 ** | -0.44 | 0.16 | -6.21 | 0.000 ** | -0.28 | 0.04 | -3.07 | 0.004 ** | 0.00 | 0.03 | -0.03 | 0.974 | -0.20 | 0.04 | -1.54 | 0.132 | -0.05 | 0.02 | -0.44 | 0.666 | | | | | |
| Elderly | 0.18 | 0.03 | 2.10 | 0.044 * | 0.25 | 0.10 | 2.57 | 0.015 * | 0.35 | 0.02 | 3.86 | 0.001 ** | 0.23 | 0.02 | 1.22 | 0.231 | 0.25 | 0.02 | 1.45 | 0.156 | 0.27 | 0.01 | 1.30 | 0.201 | | | | | |
| Children | 0.02 | 0.01 | 0.26 | 0.794 | -0.16 | 0.02 | -2.22 | 0.034 * | -0.17 | 0.00 | -1.99 | 0.055 | 0.05 | 0.00 | 0.62 | 0.539 | -0.21 | 0.00 | -2.02 | 0.051 | 0.07 | 0.00 | 0.91 | 0.368 | | | | | |
| Livelihood | -0.04 | 0.00 | -0.50 | 0.617 | -0.15 | 0.02 | -1.21 | 0.236 | 0.05 | 0.00 | 0.59 | 0.561 | -0.02 | 0.00 | -0.11 | 0.913 | -0.10 | 0.00 | -0.60 | 0.551 | 0.27 | 0.00 | 1.24 | 0.224 | | | | | |
| (VC=0.154, X²=222.44, p<0.01) | | | | | (VC=2.294, X²=551.16, p<0.01) | | | | | (VC=0.014, X²=94.57, p<0.01) | | | | | (VC=0.002, X²=65.21, p<0.01) | | | | | (VC=0.002, X²=56.93, p<0.01) | | | | | (VC=0.000, X²=27.72, p>0.05) | | | | |