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| **Topic** | **Theme** | **Prob.** | **Terms** |
| **1** | Public health policies | 0.20 | Public, Program, Hospital, Regional hospital, Medicine, City, Healthcare, Citizen, Health center, Consultation, Support, Drive, Operation, Center, Fragility, Daejeon, City hospital, Foundation, Planning |
| **2** | Social inequalities in health | 0.13 | Mortality, Income, Women, Level of education, Index, Inequalities, Education, Population, Level, Society, Death, Obesity, Group, Prevalence, Relative, Economy, Smoking rates, Difference, Gap, Trend |
| **3** | Inequality as a social problem | 0.45 | Society, People, Government, Problem, Economy, Politics, World, Thought, Welfare, Equality, Reality, Education, Moon Jae-in, America, Women, Korea, Labor, State, Political power, Representative |
| **4** | Healthcare policies | 0.16 | Medicine, Healthcare, Insurance, Coverage, Patient, Hospital, Institution, Introduction, Expansion, Election pledge, Consultation, Payment, Burden, Public, Industry, Candidate, Strengthening, Private, Medical institution, Doctor  |
| **5** | Regional health gap | 0.06 | Life expectancy, Lifespan, Gap, Income, National, Health, Region, Level of income, Jeollanam-do (province), Gyeonggi-do (province), Gyeongsangnam-do (province), Average, High rank, Si-gun-gu (municipality), Data, Academy, Low rank, Gangwon-do (province), Metropolitan city, Expectation |

**Supplemental Material 1. The extracted topics and its components**

**Supplemental Material 2. Topic proportion by news type**

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