



Table 2. Topics drawn from Phase 1 (05/18/2020–12/17/2020)

Topic # (prevalance)	Subject	Words
1 (6%)	Global Responses to COVID-19	world, minister, Japan, UK, economy, summit, response, emphasis, conference, countries
4 (11.5%)	The acquisition and supply of vaccines around the world	China, procure, government, provision, US, contract, purchase, justification, next year, AstraZeneca
5 (18.5%)	Results of the vaccines' clinical trials	clinical, test, US, result, effect, virus, AstraZeneca, candidate, progress, antibody
6 (4.1%)	Hacking the vaccine distribution network	company, US, economy, hacking, China, information, stock, market, Korea, world
8 (13%)	Status of infection and quarantine	COVID-19 cases, infection, situation, degree, quarantine, level, occurrence, patient, thought, mask
9 (6%)	The development of treatments in Korea	SK, Korea, president, medicine, cooperation, Bill Gates, support, Bioscience, CEO, production
11 (4.6%)	Stabilization of people's livelihoods in Korea	budget, support, citizen, payment, relief fund, government, national assembly, budget bill, next year, supplementary
13 (5.1%)	Emergency use of vaccines	US, usage, emergence, start, next year, UK, BioNTech, FDA, food, CDC
14 (3.8%)	The start of vaccination	Russia, Sputnik, world, test, clinical, president, Putin, registration, Brazil, center