

Supplementary Table 1 | The results of textual analysis.

Category	Important events			
	No. 6 (PO)	No. 8 (PO)	No. 11 (OP)	No. 13 (OP)
	Shuanghuanglian Oral	Dr. Wenliang Li died	A recombinant vaccine	The medical team began
	Liquid n (%)	n (%)	for COVID-19 n (%)	to evacuate n (%)
<u>Stimulus</u>	<u>556</u>	<u>317</u>	<u>570</u>	<u>1142</u>
News	322 (57.91)	267 (84.23)	570 (100)	1142 (100)
Phenomenon irritation	234 (42.09)	2 (0.63)	0 (0)	0 (0)
Event propagation	0 (0)	48 (15.14)	0 (0)	0 (0)
<u>Self- perception</u>	<u>552 ***</u>	<u>734</u>	<u>279 ***</u>	<u>192 (NA)</u>
Positive perception	64 (11.55)	145 (19.75)	274 (98.21)	187 (97.40)
Negative perception	412 (74.37)	569 (77.52)	3 (1.08)	5 (2.60)
Neutral perception	78 (14.08)	20 (2.72)	2 (0.72)	0 (0)
<u>Ability</u>	<u>442 ***</u>	<u>38</u>	<u>17</u>	<u>30 *</u>
<i>Primary ability</i>				
Information dissemination	119 (26.92)	2 (5.26)	2 (11.76)	4 (13.33)
Advanced ability	323 (73.08)	36 (94.74)	15 (88.23)	26 (86.67)
Judgment	323 (73.08)	12 (31.58)	13 (76.47)	8 (26.67)
Evaluation	0 (0)	0 (0)	0 (0)	18 (60.00)
Thinking	0(0)	24 (63.16)	2 (11.76)	0 (0)
<u>Cognition</u>	<u>413 ***</u>	<u>114</u>	<u>22 *</u>	<u>20 (NA)</u>
Positive opinion	338 (81.84)	67 (58.77)	13 (59.09)	19 (95.00)
Negative opinion	45 (10.90)	40 (35.09)	5 (22.73)	1 (5.00)
Neutral opinion	30 (7.26)	7 (6.14)	4 (18.18)	0 (0)

Note: We used proportional Z-test to analyze the difference of events No. 6/No. 11/No. 13 in comparison with event No. 8 among self-perception, ability, and cognition.

*p<0.05; ***p<0.001; NA: Not Available (Since some cells were equal to 0).