

Media and Communication (ISSN: 2183-2439)

2023, Volume 11, Issue 1, Pages 306–322

<https://doi.org/10.17645/mac.v11i1.6122>

Supplementary Material

**How Do Multiple Actors Conduct Science Communication about Omicron
on Weibo: A Mixed-method study**

Table A. Sample Weibo accounts (n=752. To protect privacy, we only display the first Chinese character of the users' names).

Actors	Subdivided Actors	Weibo Accounts (abbreviation, number of followers)
Scientists	Public Health Experts	@张 X (PE1, 4225262), @吴 X (PE2, 495342)
	Doctors	@子 X (DR1, 1337659), @X (DR2, 1057481), @三 X (DR3, 2628291), @照 X (DR4, 208654), @蓝 X (DR5, 2150862), @罗 X (DR6, 258261), @京 X (DR7, 3158372), @最 X (DR8, 120877)
Organizations	Health Organizations	@健 X (HO1, 7018482), @深 X (HO2, 1269924), @科 X (HO3, 4491381), @健 X (HO4, 1970376), @疾 X (HO5, 393188)
	Government Organizations	@国 X (GO1, 5886261), @北 X (GO2, 8768766), @上 X (GO3, 9751088), @南 X (GO4, 4159228), @四 X (GO5, 6574810)
Media	Central-level Media	@人 X (CM1, 151209876), @央 X (CM2, 131331204), @央 X (CM3, 17537765), @环 X (CM4, 30783420), @新 X (CM5, 108271531)
	Local Media	@澎 X (LM1, 30679715), @新 X (LM2, 46181976), @财 X (LM3, 8099833), @封 X (LM4, 32324582), @大 X (LM5, 19940070)
The public	Journalists	@凯 X (JL1, 2057623), @王 X (JL2, 1680988), @师 X (JL3, 628137), @徐 X (JL4, 3179530), @财 X (JL5, 623865)
	Individuals	@提 X (ID1, 4088371), @大 X (ID2, 167769), @拆 X (ID3, 450234), @我 X (ID4, 1538553), @哈 X (ID5, 180106)

Table B. The coding results of Vaccines (n=295).

Dimension	Indicators	Scientists (n=96)		Organizations (n=70)		Media (n=57)		The public (n=72)		Total (%)
		Public health experts (n=4)	Doctors (n=92)	Health organizations (n=31)	Government organizations (n=39)	Central-level Media (n=30)	Local media (n=27)	Journalists (n=57)	Individuals (n=15)	
Issue	Progress	0	20	5	6	7	10	9	6	63 (21.36%)
	Politics	1	1	0	9	0	2	5	1	19 (6.44%)
	Science	3	57	26	24	17	11	25	6	169 (57.29%)
	International situation	0	10	0	0	6	4	15	2	37 (12.54%)
	Risk	0	4	0	0	0	0	3	0	7 (2.37%)
Topic	Vaccine efficacy	0	68	4	2	7	3	19	7	110 (37.29%)
	Research development	0	13	5	5	5	10	9	4	51 (17.29%)
	Side effects	0	1	10	0	0	1	1	0	13 (4.41%)
	Usage suggestions	4	7	12	25	13	10	11	3	85 (28.81%)
	Vaccination work	0	3	0	7	5	3	17	1	36 (12.20%)
Frame	Contextual frame	3	23	0	6	2	9	25	2	70 (23.73%)
	Contrasting frame	0	47	0	1	3	2	12	4	69 (23.39%)
	Emphatic frame	1	10	1	8	1	0	4	3	28 (9.49%)
	Declarative frame	0	12	30	24	24	16	16	6	128 (43.39%)
Position	Positive	4	63	31	39	24	22	37	13	233 (78.98%)
	Neutral	0	25	0	0	5	5	19	2	56 (18.98%)
	Negative	0	4	0	0	1	0	1	0	6 (2.04%)

Table C. The coding results of Symptoms (n=332).

Dimension	Indicators	Scientists (n=94)		Organizations (n=56)		Media (n=89)		The public (n=93)		Total (%)
		Public health experts (n=5)	Doctors (n=89)	Health organizations (n=27)	Government organizations (n=29)	Central-level Media (n=52)	Local media (n=37)	Journalists (n=72)	Individuals (n=21)	
Issue	Progress	0	2	2	1	1	5	0	0	11 (3.31%)
	Politics	0	0	2	8	0	0	6	0	16 (4.82%)
	Science	5	61	15	13	25	20	30	15	184 (55.42%)
	International situation	0	20	3	0	11	3	20	1	58 (17.47%)
	Risk	0	6	5	7	15	9	16	5	63 (18.98%)
Topic	Characteristics	0	31	8	4	12	16	1	6	78 (23.49%)
	Infection symptoms	2	40	6	6	22	12	25	10	123 (37.05%)
	Social influence	3	16	10	8	13	9	41	5	105 (31.63%)
	Preventative measures	0	2	3	5	3	0	2	0	15 (4.52%)
	Disease treatments	0	0	0	6	2	0	3	0	11 (3.31%)
Frame	Contextual frame	5	23	2	6	12	18	27	5	98 (29.52%)
	Contrasting frame	0	49	3	3	12	12	11	4	94 (28.31%)
	Emphatic frame	0	3	3	13	7	0	5	4	35 (10.54%)
	Declarative frame	0	14	19	7	21	7	29	8	105 (31.63%)
Position	Positive	4	14	17	6	18	2	26	6	93 (28.01%)
	Neutral	1	70	4	22	22	27	23	14	183 (55.12%)
	Negative	0	5	6	1	12	8	23	1	56 (16.87%)

Table D. The coding results of Medicines (n=125).

Dimension	Indicators	Scientists (n=50)		Organizations (n=15)		Media (n=29)		The public (n=31)		Total (%)
		Public health experts (n=2)	Doctors (n=48)	Health organizations (n=8)	Government organizations (n=7)	Central-level Media (n=10)	Local media (n=19)	Journalists (n=22)	Individuals (n=9)	
Issue	Progress	1	21	6	7	6	13	3	0	57 (45.60%)
	Politics	0	5	0	0	3	2	4	0	14 (11.20%)
	Science	1	13	2	0	1	0	9	7	33 (26.40%)
	International situation	0	6	0	0	0	3	4	1	14 (11.20%)
	Risk	0	3	0	0	0	1	2	1	7 (5.60%)
Topic	Drug effects	1	18	2	0	0	1	2	7	31 (24.80%)
	Research development	1	19	3	6	6	9	4	0	48 (38.40%)
	Side effects	0	3	0	0	0	2	2	1	8 (6.40%)
	Usage suggestions	0	6	1	0	2	1	7	1	18 (14.40%)
	Application situations	0	2	2	1	2	6	7	0	20 (16.00%)
Frame	Contextual frame	2	11	4	0	4	9	12	2	44 (35.20%)
	Contrasting frame	0	22	0	0	2	4	4	3	35 (28.00%)
	Emphatic frame	0	10	1	0	2	3	0	1	17 (13.60%)
	Declarative frame	0	5	3	7	2	3	6	3	29 (23.20%)
Position	Positive	1	17	4	6	8	7	10	2	55 (44.00%)
	Neutral	0	6	0	0	0	1	1	4	12 (9.60%)
	Negative	1	25	4	1	2	11	11	3	58 (46.40%)