

Table S1. Results of the structural equation modeling investigating the proposed model (participants with a health-related major).

IV	Mediator	DV	Coeff. (SE)	Stand. Coeff.	t-value	p-value
Perceived severity		Motivation	0.204 (0.617)	0.204	0.330	0.741
Perceived vulnerability		Motivation	0.004 (1.284)	0.004	0.003	0.997
Internet ^a	Self-efficacy		0.100 (0.203)	0.100	0.494	0.621
Traditional media ^a	Self-efficacy		-0.125 (0.160)	-0.125	-0.783	0.434
Friends ^a	Self-efficacy		-0.063 (0.189)	-0.063	-0.334	0.738
Family ^a	Self-efficacy		0.027 (0.149)	0.027	0.182	0.856
Coworkers/classmates ^a	Self-efficacy		-0.017 (0.152)	-0.017	-0.114	0.909
On-site training ^a	Self-efficacy		0.091 (0.209)	0.091	0.436	0.663
Medical personnel ^a	Self-efficacy		0.182 (0.191)	0.182	0.956	0.339
Internet ^a	Response efficacy		0.041 (0.224)	0.041	0.183	0.855
Traditional media ^a	Response efficacy		0.084 (0.129)	0.084	0.655	0.513
Friends ^a	Response efficacy		-0.115 (0.189)	-0.115	-0.609	0.543
Family ^a	Response efficacy		0.014 (0.131)	0.014	0.110	0.912
Coworkers/classmates ^a	Response efficacy		0.109 (0.149)	0.109	0.735	0.462
On-site training ^a	Response efficacy		-0.016 (0.136)	-0.016	-0.119	0.905
Medical personnel ^a	Response efficacy		0.114 (0.130)	0.114	0.874	0.382
Internet ^a	Response cost		-0.101 (0.198)	-0.101	-0.510	0.610
Traditional media ^a	Response cost		-0.124 (0.143)	-0.124	-0.863	0.388
Friends ^a	Response cost		0.085 (0.187)	0.085	0.454	0.649
Family ^a	Response cost		0.070 (0.165)	0.070	0.421	0.673
Coworkers/classmates ^a	Response cost		0.267 (0.179)	0.267	1.496	0.134
On-site training ^a	Response cost		0.029 (0.144)	0.029	0.201	0.841
Medical personnel ^a	Response cost		-0.051 (0.134)	-0.051	-0.377	0.706
Internet ^a	Knowledge		-0.221 (0.214)	-0.221	-1.031	0.302
Traditional media ^a	Knowledge		-0.005 (0.132)	-0.005	-0.039	0.968
Friends ^a	Knowledge		0.078 (0.195)	0.078	0.401	0.688
Family ^a	Knowledge		-0.086 (0.131)	-0.086	-0.661	0.508
Coworkers/classmates ^a	Knowledge		0.179 (0.168)	0.179	1.065	0.286
On-site training ^a	Knowledge		0.024 (0.153)	0.024	0.160	0.872
Medical personnel ^a	Knowledge		0.116 (0.130)	0.116	0.897	0.369
	Self-efficacy	Motivation ^b	0.427 (1.366)	0.427	0.313	0.754
	Response efficacy	Motivation ^b	-0.037 (3.383)	-0.037	-0.011	0.991
	Response cost	Motivation ^b	-0.207 (0.126)	-0.207	-1.645	0.100
	Knowledge	Motivation ^b	0.111 (1.588)	0.111	0.070	0.944

^a COVID-19 information sources; ^b Motivation to COVID-19 vaccination; IV = independent variable; DV = dependent variable; Coeff. = coefficient; SE = standard error; Stand. Coeff. = standardized coefficient.

Table S2. Results of the structural equation modeling investigating the proposed model (participants with a non-health-related major).

IV	Mediator	DV	Coeff. (SE)	Stand. Coeff.	t-value	p-value
Perceived severity		Motivation	0.190 (0.031)	0.190	6.179	<0.001
Perceived vulnerability		Motivation	-0.001 (0.024)	-0.001	-0.024	0.981
Internet ^a	Self-efficacy		-0.006 (0.051)	-0.006	-0.127	0.898
Traditional media ^a	Self-efficacy		0.059 (0.043)	0.059	1.389	0.164
Friends ^a	Self-efficacy		0.086 (0.066)	0.086	1.308	0.191
Family ^a	Self-efficacy		-0.016 (0.058)	-0.016	-0.272	0.786
Coworkers/classmates ^a	Self-efficacy		-0.055 (0.056)	-0.055	-0.974	0.330
On-site training ^a	Self-efficacy		0.008 (0.050)	0.008	0.168	0.867
Medical personnel ^a	Self-efficacy		0.110 (0.047)	0.110	2.332	0.019
Internet ^a	Response efficacy		0.067 (0.037)	0.067	1.815	0.069
Traditional media ^a	Response efficacy		0.034 (0.036)	0.034	0.941	0.346
Friends ^a	Response efficacy		0.046 (0.055)	0.046	0.851	0.394

Family ^a	Response efficacy		-0.015 (0.048)	-0.015	-0.304	0.761
Coworkers/classmates ^a	Response efficacy		-0.107 (0.046)	-0.107	-2.305	0.021
On-site training ^a	Response efficacy		0.026 (0.043)	0.026	0.614	0.539
Medical personnel ^a	Response efficacy		0.147 (0.039)	0.147	3.767	<0.001
Internet ^a	Response cost		0.165 (0.048)	0.165	3.414	<0.001
Traditional media ^a	Response cost		-0.038 (0.040)	-0.038	-0.944	0.345
Friends ^a	Response cost		0.063 (0.062)	0.063	1.022	0.306
Family ^a	Response cost		-0.100 (0.052)	-0.100	-1.934	0.053
Coworkers/classmates ^a	Response cost		0.018 (0.057)	0.018	0.308	0.758
On-site training ^a	Response cost		0.184 (0.050)	0.184	3.705	<0.001
Medical personnel ^a	Response cost		-0.031 (0.043)	-0.031	-0.725	0.468
Internet ^a	Knowledge		-0.228 (0.037)	-0.228	-6.155	<0.001
Traditional media ^a	Knowledge		0.107 (0.034)	0.107	3.193	<0.001
Friends ^a	Knowledge		0.077 (0.052)	0.077	1.498	0.134
Family ^a	Knowledge		0.038 (0.044)	0.038	0.874	0.382
Coworkers/classmates ^a	Knowledge		-0.118 (0.045)	-0.118	-2.608	0.009
On-site training ^a	Knowledge		0.133 (0.043)	0.133	3.121	<0.001
Medical personnel ^a	Knowledge		0.097 (0.038)	0.097	2.563	0.010
	Self-efficacy	Motivation ^b	0.116 (0.357)	0.116	0.325	0.745
	Response efficacy	Motivation ^b	0.544 (0.837)	0.544	0.650	0.515
	Response cost	Motivation ^b	-0.007 (0.029)	-0.007	-0.253	0.800
	Knowledge	Motivation ^b	-0.181 (0.351)	-0.181	-0.516	0.605

^a COVID-19 information sources; ^b Motivation to COVID-19 vaccination; IV = independent variable; DV = dependent variable; Coeff. = coefficient; SE = standard error; Stand. Coeff. = standardized coefficient. Significant values are in **bold**.