Did the COVID-19 Pandemic Fuel Public Support for Social Protection?

Supplementary Material

TABLE A1. Distributions of variables

Type	Variable	Value	Wave 1[a]		Wave 2[b]	
DV	Support for Welfare	Strongly Disagree	91	3.6%	55	3.0%
		Disagree	533	21.0%	399	21.8%
		Agree	1384	54.4%	1003	54.7%
		Strongly Agree	536	21.1%	375	20.5%
	Support for Redistribution	Strongly Disagree	31	1.2%	20	1.1%
		Disagree	227	8.9%	161	8.8%
		Agree	1475	58.0%	1073	58.6%
		Strongly Agree	811	31.9%	578	31.6%
	Support for UBI	Strongly Disagree	255	10.0%	166	9.1%
		Disagree	769	30.2%	544	29.7%
		Agree	1105	43.4%	822	44.9%
		Strongly Agree	415	16.3%	300	16.4%
IV	Unemployment Experience	No	2320	91.2%	1626	88.8%
		Yes	224	8.8%	206	11.2%
	Employment Status Change	Other			479	26.1%
		Always Employed			1105	60.3%
		Re-employed: Unemployment Experience $_{t-1}$			81	4.4%
		Re-employed: Unemployment Experience			76	4.1%
		Unemployed: Unemployment Experience $_{t-1}$			21	1.1%
		Unemployed: Unemployment Experience			23	1.3%
		Always Unemployed			47	2.6%
	Age (Categorical)	18-25			107	5.8%
		26-45			613	33.5%
		46-65			904	49.3%
		66+			208	11.4%
Control	Party Identification	None	1053	41.4%	912	49.8%
		Incumbent	917	36.0%	513	28.0%
		Opposition	383	15.1%	303	16.5%
		Other	191	7.5%	104	5.7%
	Region	Other	1644	64.6%	1181	64.5%
		Honam	259	10.2%	189	10.3%

	Youngnam	641	25.2%	462	25.2%
Gender	Male/Other	1267	49.8%	916	50.0%
	Female	1277	50.2%	916	50.0%
Marital Status	Not Married	1005	39.5%	652	35.6%
	Married	1539	60.5%	1180	64.4%
Household	Min, Max	0	22863	0	25655
Income	Mean, SD	2696	1631	2870	1863
Household	Min, Max	1	11	1	11
Assets	Mean, SD	4.6	3.1	5.0	3.3
Political	Min, Max	1	10	1	10
Ideology	Mean, SD	5.1	1.9	5.3	1.8
Age	Min, Max	18	79	19	79
(Continuous)	Mean, SD	46.5	15.0	49.2	14.3
Education	Min, Max	1	14	1	14
	Mean, SD	11.5	2.3	11.7	2.2
Total		2544	100%	1832	100%

Note: [a, b] Reported as N and % unless otherwise specified.
Abbreviations: DV. dependent variable; IV. independent variable; Min. minimum; Max. maximum; SD. Standard deviation.

TABLE A2. Changes of attitudes between Wave 1 and Wave 2

Responses		Support for Welfare		Support for Redistribution		Support for UBI	
Wave 2	Wave 1	N	%	N	%	N	%
Strongly Disagree	Strongly Disagree	29	1.6%	8	0.4%	82	4.5%
	Disagree	21	1.1%	5	0.3%	69	3.8%
	Agree	4	0.2%	4	0.2%	12	0.7%
	Strongly Agree	1	0.1%	3	0.2%	3	0.2%
Disagree	Strongly Disagree	31	1.7%	9	0.5%	72	3.9%
	Disagree	211	11.5%	67	3.7%	287	15.7%
	Agree	138	7.5%	72	3.9%	161	8.8%
	Strongly Agree	19	1.0%	13	0.7%	24	1.3%
Agree	Strongly Disagree	8	0.4%	4	0.2%	23	1.3%
	Disagree	137	7.5%	80	4.4%	196	10.7%
	Agree	722	39.4%	775	42.3%	507	27.7%
	Strongly Agree	136	7.4%	214	11.7%	96	5.2%
Strongly Agree	Strongly Disagree	0	0.0%	2	0.1%	6	0.3%
	Disagree	13	0.7%	7	0.4%	18	1.0%
	Agree	149	8.1%	207	11.3%	119	6.5%
	Strongly Agree	213	11.6%	362	19.8%	157	8.6%
Total		1832	100%	1832	100%	1832	100%

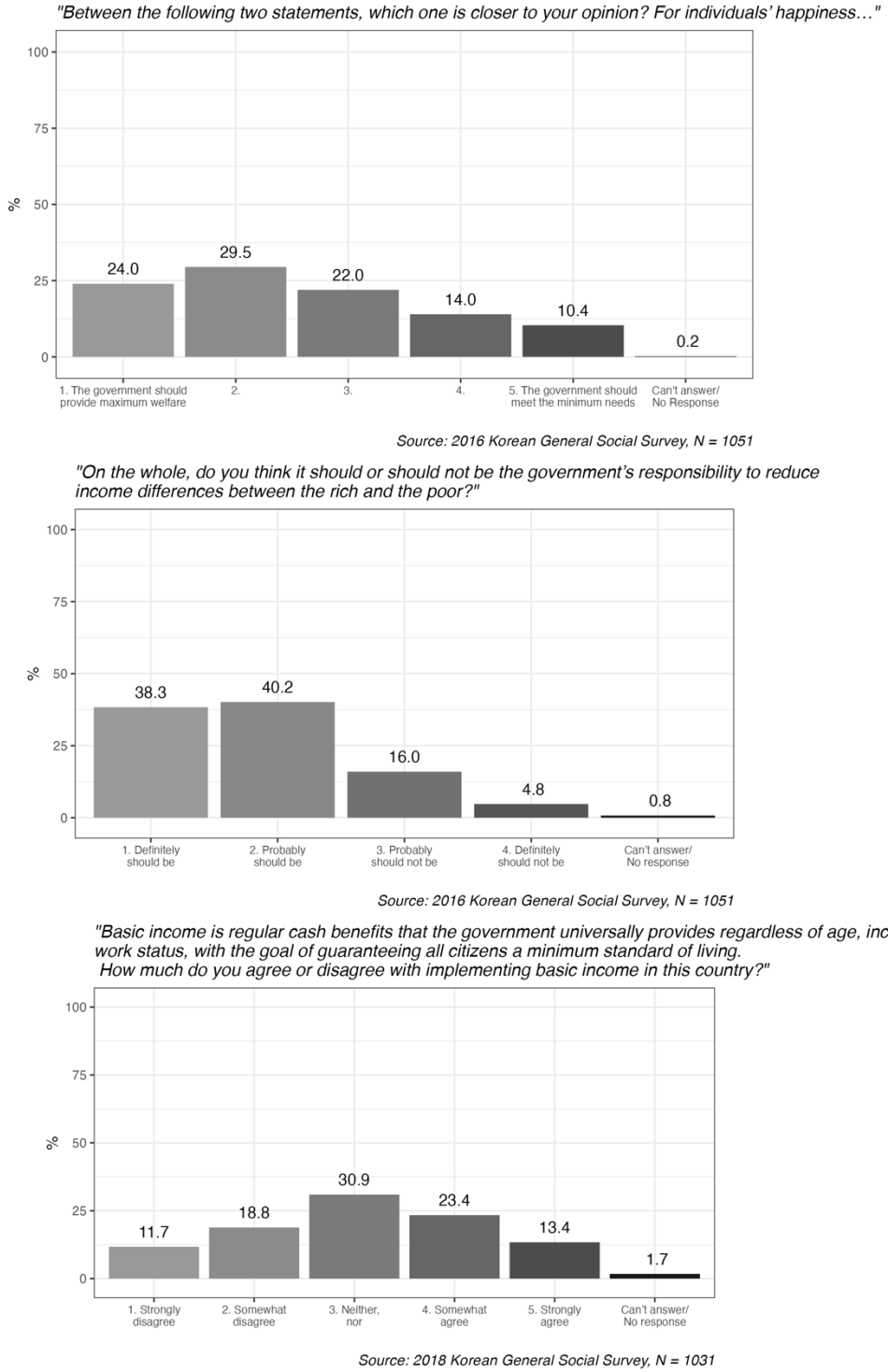

FIGURE A1. Welfare attitudes in South Korea before the COVID-19 pandemic

TABLE A3. Ordinal logit estimates (Figure 3)

	Support for Welfare	Support for Redistribution	Support for UBI

	(1)	(2)	(3)	(4)	(5)	(6)
Unemployment	0.292***	0.177***	0.318***	0.209***	0.165***	0.239***
Experience	(0.004)	(0.005)	(0.005)	(0.003)	(0.003)	(0.005)
Household Income	-0.00004	-0.00002	-0.0001	-0.00002	-0.0001	-0.00004
	(0.0001)	(0.00004)	(0.0001)	(0.00004)	(0.0001)	(0.00005)
Household Assets	-0.057**	-0.074***	-0.055**	-0.075***	-0.094***	-0.087***
	(0.017)	(0.015)	(0.018)	(0.016)	(0.017)	(0.015)
Political Ideology	-0.256***	-0.262***	-0.266***	-0.238***	-0.194***	-0.201***
	(0.026)	(0.022)	(0.027)	(0.023)	(0.026)	(0.021)
Party: Incumbent	0.376***	0.292***	0.102	0.166*	0.549***	0.474***
	(0.094)	(0.082)	(0.097)	(0.082)	(0.093)	(0.079)
Party: Opposition	-0.177***	-0.129	-0.023	-0.038+	-0.167	-0.135
	(0.021)	(0.113)	(0.021)	(0.020)	(0.126)	(0.107)
Party: Other	0.499***	0.390***	0.267***	0.418***	0.285***	0.329***
	(0.026)	(0.044)	(0.027)	(0.019)	(0.055)	(0.042)
Region: Honam	-0.225***	-0.329***	-0.093**	-0.112***	-0.129***	-0.085***
	(0.028)	(0.023)	(0.029)	(0.024)	(0.028)	(0.022)
Region: Youngnam	-0.047	-0.109	-0.037	-0.077	0.039	0.005
	(0.100)	(0.086)	(0.103)	(0.088)	(0.096)	(0.083)
Gender: Female	-0.262**	-0.212**	-0.430***	-0.289***	-0.273**	-0.221**
	(0.088)	(0.076)	(0.092)	(0.078)	(0.085)	(0.072)
Age	-0.002	-0.004	0.010**	0.012***	0.008**	0.005+
	(0.003)	(0.003)	(0.004)	(0.003)	(0.003)	(0.003)
Education	0.008	-0.016	0.040*	0.042**	0.010	-0.013
	(0.016)	(0.014)	(0.018)	(0.015)	(0.015)	(0.013)
Marital Status: Married	-0.076	-0.024	-0.119	-0.166+	-0.039	-0.073
	(0.111)	(0.094)	(0.114)	(0.097)	(0.106)	(0.090)
N	1,832	2,544	1,832	2,544	1,832	2,544
[a]Pseudo R^2	0.055	0.054	0.049	0.045	0.048	0.046
AIC	3,838.386	5,353.476	3,338.066	4,648.900	4,364.086	6,103.378

Note: + $p < 0.1$; * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.

Standard errors in parentheses. [a] McFadden's Pseudo R^2. Models 1, 3, and 5 only include respondents who answered both the Wave 1 and Wave 2 surveys. Models 2, 4, and 6 include all respondents from the Wave 1 survey.

TABLE A4. Predicted probabilities (Figure 3)

Policy Attitudes	Unemployment Experience	Strongly Disagree	Disagree	Agree	Strongly Agree
Support for	No	0.040	0.245	0.577	0.139
Welfare	Yes	0.030	0.199	0.593	0.178

Support for	No	0.014	0.102	0.640	0.244
Redistribution	Yes	0.010	0.077	0.605	0.307
Support for	No	0.118	0.375	0.409	0.098
UBI	Yes	0.102	0.350	0.435	0.114

Note: The predicted probabilities are estimated based on Models 1, 3, and 5 in Table A3. All other variables are held either at their means (in the case of continuous variables) or modes (in the case of categorical variables).

TABLE A5. Ordinal logit estimates (Figure 4)

	Support for Welfare (1)	Support for Redistribution (2)	Support for UBI (3)
Unemployment	-0.215**	-0.012	-0.236***
Experience $_{t-1}$	(0.071)	(0.072)	(0.068)
Unemployment	0.495***	0.351**	0.385***
Experience	(0.111)	(0.114)	(0.109)
Household Income	-0.00001	-0.0001	-0.0001
	(0.0001)	(0.0001)	(0.0001)
Household Assets	-0.085***	-0.048**	-0.071***
	(0.017)	(0.018)	(0.017)
Political Ideology	-0.264***	-0.236***	-0.158***
	(0.027)	(0.028)	(0.027)
Party: Incumbent	0.459***	0.150	0.569***
	(0.098)	(0.102)	(0.101)
Party: Opposition	-0.295***	-0.204***	-0.285*
	(0.030)	(0.033)	(0.128)
Party: Other	0.427***	0.630***	0.342***
	(0.015)	(0.016)	(0.032)
Region: Honam	-0.418***	-0.247***	-0.286***
	(0.034)	(0.033)	(0.035)
Region: Youngnam	0.165	-0.013	0.095
	(0.101)	(0.104)	(0.097)
Gender: Female	-0.124	-0.406***	-0.297***
	(0.089)	(0.092)	(0.085)
Age	-0.001	0.009*	0.009**
	(0.003)	(0.004)	(0.003)
Education	0.010	0.031+	0.025
	(0.017)	(0.019)	(0.015)
Marital Status: Married	-0.004	-0.097	0.131
	(0.111)	(0.114)	(0.107)
N	1,832	1,832	1,832

[a]Pseudo R^2	0.061	0.046	0.039
AIC	3,789.169	3,321.169	4,379.833

Note: $^{+}$ p < 0.1; * p < 0.05; ** p < 0.01; *** p < 0.001.
Standard errors in parentheses. [a] McFadden's Pseudo R^2.

TABLE A6. Predicted probabilities (Figure 4)

Policy Attitudes	Unemployment Experience	Strongly Disagree	Disagree	Agree	Strongly Agree
Support for	No	0.029	0.237	0.583	0.152
Welfare	Yes	0.018	0.163	0.592	0.227
Support for	No	0.012	0.102	0.643	0.243
Redistribution	Yes	0.009	0.074	0.603	0.314
Support for	No	0.101	0.341	0.439	0.119
UBI	Yes	0.071	0.280	0.484	0.165

Note: The predicted probabilities are estimated based on the models in Table A5. All other variables are held either at their means (in the case of continuous variables) or modes (in the case of categorical variables).

TABLE A7. Ordinal logit estimates (Figure 5)

	Support for Welfare	Support for Redistribution	Support for UBI
	(1)	(2)	(3)
Always Employed	0.090	-0.119	0.135
	(0.095)	(0.099)	(0.092)
Re-employed: Unemployment	-0.017	-0.050**	-0.227***
Experience $_{t-1}$	(0.016)	(0.017)	(0.016)
Re-employed: Unemployment	0.599***	0.429***	0.583***
Experience	(0.014)	(0.014)	(0.014)
Unemployed: Unemployment	0.668***	0.735***	1.052***
Experience $_{t-1}$	(0.002)	(0.002)	(0.002)
Unemployed: Unemployment	1.095***	0.193***	0.480***
Experience	(0.003)	(0.003)	(0.003)
Always Unemployed	-0.697***	-0.322***	0.074***
	(0.007)	(0.008)	(0.007)
Household Income	-0.00001	-0.0001	-0.0001
	(0.0001)	(0.0001)	(0.0001)
Household Assets	-0.083***	-0.048**	-0.070***
	(0.017)	(0.018)	(0.017)
Political Ideology	-0.263***	-0.236***	-0.152***
	(0.027)	(0.028)	(0.027)
Party: Incumbent	0.441***	0.151	0.551***

	(0.098)	(0.102)	(0.101)
Party: Opposition	-0.304***	-0.201***	-0.290*
	(0.031)	(0.029)	(0.128)
Party: Other	0.423***	0.628***	0.361***
	(0.014)	(0.015)	(0.031)
Region: Honam	-0.394***	-0.244***	-0.268***
	(0.031)	(0.030)	(0.029)
Region: Youngnam	0.165	-0.005	0.103
	(0.101)	(0.105)	(0.097)
Gender: Female	-0.114	-0.433***	-0.278**
	(0.090)	(0.093)	(0.086)
Age	-0.001	0.008*	0.009**
	(0.003)	(0.004)	(0.003)
Education	0.003	0.030	0.020
	(0.017)	(0.019)	(0.016)
Marital Status: Married	-0.036	-0.096	0.124
	(0.111)	(0.115)	(0.106)
N	1,832	1,832	1,832
[a]Pseudo R^2	0.064	0.047	0.041
AIC	3,784.189	3,324.620	4,379.393

Note: + p < 0.1; * p < 0.05; ** p < 0.01; *** p < 0.001.

Standard errors in parentheses. [a] McFadden's Pseudo R^2.

TABLE A8. Predicted probabilities (Figures 5 and 6)

Policy Attitudes	Employment Status Change	Strongly Disagree	Disagree	Agree	Strongly Agree
Support for	Other	0.029	0.245	0.581	0.145
Welfare	Always Employed	0.027	0.230	0.587	0.156
	Re-employed: Unemployment Experience $_{t-1}$	0.030	0.247	0.580	0.143
	Re-employed: Unemployment Experience	0.016	0.155	0.593	0.236
	Unemployed: Unemployment Experience $_{t-1}$	0.015	0.147	0.590	0.248
	Unemployed: Unemployment Experience	0.010	0.102	0.552	0.336
	Always Unemployed	0.057	0.374	0.491	0.078
Support for	Other	0.011	0.095	0.636	0.257
Redistribution	Always Employed	0.013	0.105	0.646	0.235

	Re-employed: Unemployment Experience $_{t-1}$	0.012	0.099	0.641	0.248
	Re-employed: Unemployment Experience	0.007	0.065	0.581	0.347
	Unemployed: Unemployment Experience $_{t-1}$	0.005	0.049	0.526	0.420
	Unemployed: Unemployment Experience	0.009	0.080	0.615	0.296
	Always Unemployed	0.016	0.125	0.658	0.201
Support for	Other	0.108	0.354	0.428	0.110
UBI	Always Employed	0.096	0.333	0.448	0.124
	Re-employed: Unemployment Experience $_{t-1}$	0.132	0.386	0.392	0.090
	Re-employed: Unemployment Experience	0.064	0.261	0.495	0.181
	Unemployed: Unemployment Experience $_{t-1}$	0.041	0.190	0.508	0.261
	Unemployed: Unemployment Experience	0.070	0.277	0.487	0.166
	Always Unemployed	0.101	0.342	0.439	0.117

Note: The predicted probabilities are estimated based on the models in Table A7. All other variables are held either at their means (in the case of continuous variables) or modes (in the case of categorical variables).

TABLE A9. Ordinal logit estimates (Figure 7)

	Support for Welfare	Support for Redistribution	Support for UBI
	(1)	(2)	(3)
Unemployment Experience $_{t-1}$	0.333***	0.513***	-0.089
	(0.071)	(0.073)	(0.069)
Age: 18-25	-0.038	-0.007	-0.305***
	(0.030)	(0.030)	(0.030)
Age: 26-45	0.061	-0.084	-0.222***
	(0.060)	(0.061)	(0.062)
Age: 46-65	0.113*	0.262***	0.004
	(0.053)	(0.056)	(0.053)
Unemployment Experience $_{t-1}$	0.369***	0.225***	0.409***
× Age: 18-25	(0.002)	(0.002)	(0.002)
Unemployment Experience $_{t-1}$	-0.425***	-0.667***	0.152***
× Age: 26-45	(0.020)	(0.020)	(0.017)
Unemployment Experience $_{t-1}$	-0.846***	-0.671***	-0.350***

× Age: 46-65	(0.041)	(0.043)	(0.041)
Unemployment Experience	0.485***	0.355***	0.373***
	(0.088)	(0.093)	(0.088)
Household Income	-0.00001	-0.0001	-0.0001
	(0.0001)	(0.0001)	(0.0001)
Household Assets	-0.088***	-0.050**	-0.071***
	(0.017)	(0.018)	(0.017)
Political Ideology	-0.262***	-0.233***	-0.158***
	(0.026)	(0.027)	(0.026)
Party: Incumbent	0.452***	0.155	0.564***
	(0.097)	(0.100)	(0.099)
Party: Opposition	-0.296***	-0.164***	-0.263*
	(0.031)	(0.032)	(0.125)
Party: Other	0.436***	0.611***	0.335***
	(0.015)	(0.016)	(0.030)
Region: Honam	-0.419***	-0.245***	-0.284***
	(0.031)	(0.031)	(0.031)
Region: Youngnam	0.166	-0.023	0.094
	(0.101)	(0.104)	(0.097)
Gender: Female	-0.120	-0.405***	-0.295***
	(0.088)	(0.091)	(0.084)
Education	0.010	0.030	0.021
	(0.017)	(0.019)	(0.016)
Marital Status: Married	-0.039	-0.084	0.157+
	(0.095)	(0.099)	(0.092)
N	1,832	1,832	1,832
[a]Pseudo R^2	0.062	0.048	0.039
AIC	3,794.965	3,324.852	4,389.190

Note: + p < 0.1; * p < 0.05; ** p < 0.01; *** p < 0.001.
Standard errors in parentheses. [a] McFadden's Pseudo R^2.

TABLE A10. Predicted probabilities (Figures 7 and 8)

Policy Attitudes	Unemployment Experience	Age	Strongly Disagree	Disagree	Agree	Strongly Agree
Support for Welfare	No	18-25	0.032	0.257	0.574	0.137
	Yes	18-25	0.016	0.152	0.590	0.242
	No	26-45	0.029	0.240	0.582	0.149
	Yes	26-45	0.032	0.256	0.575	0.137

	No	46-65	0.028	0.232	0.585	0.155
	Yes	46-65	0.045	0.324	0.532	0.099
	No	66+	0.031	0.251	0.577	0.141
	Yes	66+	0.022	0.197	0.594	0.186
Support for	No	18-25	0.014	0.111	0.652	0.224
Redistribution	Yes	18-25	0.007	0.057	0.560	0.376
	No	26-45	0.015	0.119	0.656	0.211
	Yes	26-45	0.017	0.135	0.662	0.186
	No	46-65	0.010	0.088	0.628	0.274
	Yes	46-65	0.012	0.101	0.643	0.244
	No	66+	0.013	0.110	0.651	0.225
	Yes	66+	0.008	0.070	0.595	0.327
Support for	No	18-25	0.122	0.372	0.407	0.099
UBI	Yes	18-25	0.091	0.323	0.454	0.131
	No	26-45	0.113	0.360	0.421	0.106
	Yes	26-45	0.107	0.351	0.430	0.112
	No	46-65	0.092	0.325	0.453	0.130
	Yes	46-65	0.136	0.390	0.386	0.088
	No	66+	0.093	0.326	0.452	0.129
	Yes	66+	0.100	0.340	0.440	0.120

Note: The predicted probabilities are estimated based on the models in Table A9. All other variables are held either at their means (in the case of continuous variables) or modes (in the case of categorical variables).

TABLE A11. Correlations among independent and control variables

	Unemployment Experience (Wave 1)	Unemployment Experience (Wave 2)	Employment Status Change	Household Income	Household Assets	Political Ideology	Party Identification	Region	Gender	Age	Education	Marital Status
Unemployment Experience (Wave 1)	1.000	0.420	0.182	-0.121	-0.113	-0.009	-0.001	0.023	0.019	0.060	-0.088	-0.033
Unemployment Experience (Wave 2)	0.420	1.000	0.406	-0.125	-0.086	-0.030	-0.015	0.025	0.031	0.018	-0.037	-0.056
Employment Status Change	0.182	0.406	1.000	-0.057	-0.075	-0.055	0.038	-0.019	-0.076	-0.062	0.050	-0.108
Household Income	-0.121	-0.125	-0.057	1.000	0.419	0.028	0.027	-0.085	-0.019	0.042	0.172	0.140
Household Assets	-0.113	-0.086	-0.075	0.419	1.000	0.099	0.056	-0.139	-0.036	0.253	0.197	0.309
Political Ideology	-0.009	-0.030	-0.055	0.028	0.099	1.000	0.004	0.029	-0.102	0.113	0.021	0.086
Party Identification	-0.001	-0.015	0.038	0.027	0.056	0.004	1.000	-0.024	-0.086	0.086	0.038	0.086
Region	0.023	0.025	-0.019	-0.085	-0.139	0.029	-0.024	1.000	0.011	0.040	-0.067	0.018
Gender	0.019	0.031	-0.076	-0.019	-0.036	-0.102	-0.086	0.011	1.000	-0.051	-0.142	-0.062
Age	0.060	0.018	-0.062	0.042	0.253	0.113	0.086	0.040	-0.051	1.000	-0.151	0.484
Education	-0.088	-0.037	0.050	0.172	0.197	0.021	0.038	-0.067	-0.142	-0.151	1.000	0.018
Marital Status	-0.033	-0.056	-0.108	0.140	0.309	0.086	0.086	0.018	-0.062	0.484	0.018	1.000

Note: The following variables use the values recorded in the Wave 1 survey: Household Income, Household Assets, Political Ideology, Party Identification, Region, Gender, Age, Education, Marital Status.

TABLE A12. Employment status at the time of the Wave 2 survey for Individuals with COVID-19-driven unemployment experiences (By age)

Age	Employment Status	N	%
18-25	Employed	6	54.5%
	Unemployed	0	0.0%
	Other	5	45.5%
26-45	Employed	49	67.1%
	Unemployed	10	13.7%
	Other	14	19.2%
46-65	Employed	82	58.2%
	Unemployed	27	19.1%
	Other	32	22.7%
66+	Employed	20	55.6%
	Unemployed	7	19.4%
	Other	9	25.0%
Total		261	100.0%