

Supplementary Materials to
“Covid-19 Severity and Food Insecurity: Evidence from Pakistan”

Table S1: Covid-19 Severity and Food Insecurity
(Proxy: Subjective Measure of Covid-19 Severity)

Model #	Lack of Healthy Food [1]	Skipped a Meal [2]	Ran out of Food [3]	Went without food whole day [4]
HH affected by Covid-19 (Base: No)	0.264*** (0.017)	0.346*** (0.021)	0.329*** (0.022)	0.203*** (0.019)
Avg. Family Size	0.007** (0.003)	0.003 (0.002)	-0.000 (0.002)	0.000 (0.002)
Average Age of HH Members	-0.000 (0.001)	-0.001 (0.001)	-0.000 (0.001)	-0.000 (0.000)
Ln (HH Income)	-0.003* (0.002)	-0.001 (0.001)	-0.001 (0.001)	-0.001 (0.001)
Received Social Assistance	0.188*** (0.018)	0.099*** (0.016)	0.065*** (0.014)	0.023** (0.011)
<i>Residence Type (Base: Personal Residence (Not self-hired))</i>				
Personal Residence (Self hired)	0.009 (0.040)	0.001 (0.047)	-0.016 (0.047)	-0.029 (0.033)
On Rent	0.019 (0.023)	-0.001 (0.024)	-0.013 (0.024)	0.005 (0.020)
On Subsidized	-0.042 (0.085)	-0.065 (0.051)	0.045 (0.078)	0.075 (0.056)
Rent Free	0.001 (0.031)	0.006 (0.030)	0.043 (0.030)	0.040* (0.022)
No. of rooms in house	-0.039*** (0.005)	-0.023*** (0.005)	-0.016*** (0.005)	-0.011*** (0.004)
<i>Type of Cooking Fuel (Base: Gas)</i>				
Firewood	0.094*** (0.030)	0.065** (0.031)	0.095*** (0.031)	0.041 (0.025)
LPG + Kerosene Oil	-0.091** (0.039)	0.048 (0.037)	0.069** (0.034)	0.035 (0.029)
Electricity	-0.198* (0.114)	0.007 (0.124)	0.035 (0.106)	-0.088 (0.068)
Dung Cake	0.242*** (0.061)	0.203*** (0.051)	0.174*** (0.053)	0.104** (0.049)
Crop Residue	0.191* (0.100)	0.126 (0.078)	0.169* (0.089)	0.114* (0.066)
Charcoal / Coal	0.021 (0.073)	0.082 (0.135)	0.142 (0.124)	0.253* (0.147)
Others	-0.000 (0.089)	0.314*** (0.090)	0.227** (0.100)	0.310** (0.130)
<i>Type of Light Fuel (Base: Electricity)</i>				
Solar Energy	-0.025 (0.046)	-0.053 (0.048)	-0.006 (0.046)	0.005 (0.031)
Gas	0.003 (0.088)	0.048 (0.100)	0.082 (0.084)	0.065 (0.064)

Kerosene/Oil/Diesel/Petrol	-0.147 (0.151)	0.109 (0.092)	0.133 (0.105)	0.084 (0.130)
Firewood	0.036 (0.078)	0.045 (0.078)	0.078 (0.078)	0.043 (0.046)
Candle	0.063 (0.074)	0.171** (0.078)	0.153* (0.080)	-0.021 (0.038)
Others	0.113* (0.060)	0.113 (0.077)	0.173** (0.073)	0.173** (0.068)
<i>Drinking Water Source (Base: Piped water)</i>				
Hand Pump	0.050 (0.039)	0.021 (0.038)	-0.005 (0.039)	0.007 (0.033)
Bore Hole / Tube Well	-0.043 (0.030)	-0.036 (0.027)	0.002 (0.026)	-0.003 (0.021)
Open Well	-0.140 (0.088)	-0.034 (0.059)	0.040 (0.057)	0.010 (0.028)
Closed Well	-0.048 (0.100)	0.041 (0.063)	0.044 (0.074)	0.037 (0.055)
Spring (protected)	0.004 (0.087)	-0.056 (0.053)	0.006 (0.028)	-0.002 (0.016)
Spring (unprotected)	-0.046 (0.069)	-0.049 (0.081)	0.005 (0.061)	0.032 (0.030)
Pond/Canal/River/Stream	0.139*** (0.049)	0.064 (0.078)	0.086 (0.068)	-0.021 (0.056)
Bottled Water	-0.058 (0.050)	-0.040 (0.037)	-0.046 (0.030)	-0.020 (0.019)
Tanker / Truck / Water Bearer	-0.014 (0.042)	-0.041 (0.048)	-0.050 (0.045)	-0.038 (0.036)
Filtration Plant	-0.073** (0.033)	-0.049 (0.032)	-0.062** (0.030)	-0.029 (0.028)
Others	-0.015 (0.063)	0.010 (0.073)	0.057 (0.092)	0.044 (0.079)
Internet Connection (Base: No)	-0.139*** (0.021)	-0.076*** (0.017)	-0.069*** (0.015)	-0.035*** (0.011)
Own Computer (Base: No)	-0.085*** (0.022)	-0.007 (0.016)	-0.002 (0.015)	-0.003 (0.011)
Own Agriculture Land (Base: No)	-0.099*** (0.023)	-0.014 (0.020)	-0.034* (0.017)	0.001 (0.014)
Own Residential/Commercial Plot (Base: No)	-0.070** (0.031)	-0.017 (0.025)	-0.027 (0.024)	0.009 (0.019)
Own House (Base: Yes)	0.050** (0.022)	0.052** (0.022)	0.022 (0.021)	-0.008 (0.017)
Own Generator (Base: Yes)	-0.127*** (0.047)	-0.037 (0.036)	-0.010 (0.027)	0.026 (0.020)
Constant	0.573*** (0.037)	0.224*** (0.032)	0.165*** (0.030)	0.093*** (0.025)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.515	0.495	0.492	0.476

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S2: Covid-19 Severity and Food Insecurity
(Proxy: Decreased Income of any HH member due to Covid-19 lockdown)

	Lack of Healthy Food	Skipped a Meal	Ran out of Food	Went without food whole day
Model #	[1]	[2]	[3]	[4]
Any HH member reported income reduction (Base: No)	0.221*** (0.016)	0.110*** (0.014)	0.086*** (0.014)	0.030*** (0.010)
Avg. Family Size	0.003 (0.003)	0.001 (0.002)	-0.002 (0.002)	-0.000 (0.002)
Average Age of HH Members	-0.000 (0.001)	-0.001 (0.001)	-0.001 (0.001)	-0.000 (0.000)
Ln (HH Income)	-0.009*** (0.002)	-0.004*** (0.002)	-0.004*** (0.001)	-0.002** (0.001)
Received Social Assistance	0.226*** (0.018)	0.158*** (0.017)	0.120*** (0.015)	0.058*** (0.012)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.010 (0.037)	-0.004 (0.045)	-0.022 (0.047)	-0.033 (0.036)
On Rent	0.036 (0.023)	0.021 (0.026)	0.008 (0.025)	0.019 (0.021)
On Subsidized	0.020 (0.087)	-0.032 (0.055)	0.073 (0.080)	0.086 (0.057)
Rent Free	0.030 (0.031)	0.033 (0.033)	0.069** (0.032)	0.056** (0.024)
No. of rooms in house	-0.042*** (0.005)	-0.029*** (0.005)	-0.022*** (0.005)	-0.014*** (0.004)
Type of Cooking Fuel (Base: Gas)				
Firewood	0.107*** (0.030)	0.090*** (0.032)	0.120*** (0.033)	0.057** (0.026)
LPG + Kerosene Oil	-0.068* (0.040)	0.070* (0.039)	0.090** (0.036)	0.046 (0.030)
Electricity	-0.236** (0.106)	-0.013 (0.113)	0.016 (0.104)	-0.100 (0.076)
Dung Cake	0.289*** (0.063)	0.266*** (0.051)	0.234*** (0.059)	0.141*** (0.053)
Crop Residue	0.217** (0.095)	0.186** (0.087)	0.241** (0.105)	0.160** (0.075)
Charcoal / Coal	0.043 (0.090)	0.105 (0.146)	0.159 (0.143)	0.265* (0.160)
Others	0.119 (0.114)	0.456*** (0.126)	0.334** (0.130)	0.386*** (0.127)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.033 (0.044)	-0.059 (0.049)	-0.010 (0.048)	0.004 (0.031)
Gas	-0.002 (0.087)	0.046 (0.088)	0.084 (0.094)	0.066 (0.075)
Kerosene/Oil/Diesel/Petrol	-0.172 (0.146)	0.080 (0.080)	0.104 (0.108)	0.067 (0.151)
Firewood	0.060 (0.079)	0.058 (0.087)	0.088 (0.084)	0.047 (0.048)

Candle	0.040 (0.071)	0.148* (0.077)	0.132 (0.081)	-0.034 (0.041)
Others	0.131** (0.059)	0.138* (0.080)	0.196** (0.077)	0.185*** (0.071)
Drinking Water Source (Base: Piped water)				
Hand Pump	0.053 (0.037)	0.030 (0.040)	0.005 (0.040)	0.013 (0.035)
Bore Hole / Tube Well	-0.037 (0.029)	-0.039 (0.028)	-0.002 (0.027)	-0.007 (0.022)
Open Well	-0.163* (0.087)	-0.042 (0.065)	0.034 (0.064)	0.009 (0.028)
Closed Well	-0.016 (0.093)	0.036 (0.065)	0.044 (0.079)	0.031 (0.061)
Spring (protected)	0.036 (0.082)	-0.022 (0.050)	0.037 (0.030)	0.016 (0.013)
Spring (unprotected)	-0.054 (0.074)	-0.060 (0.080)	-0.009 (0.061)	0.023 (0.030)
Pond/Canal/River/Stream	0.138*** (0.052)	0.071 (0.069)	0.097 (0.061)	-0.009 (0.049)
Bottled Water	-0.052 (0.050)	-0.044 (0.036)	-0.047 (0.033)	-0.025 (0.018)
Tanker / Truck / Water Bearer	-0.009 (0.041)	-0.042 (0.046)	-0.052 (0.044)	-0.041 (0.036)
Filtration Plant	-0.065** (0.032)	-0.046 (0.032)	-0.059* (0.031)	-0.028 (0.028)
Others	0.036 (0.053)	0.068 (0.079)	0.113 (0.100)	0.075 (0.089)
Internet Connection (Base: No)	-0.150*** (0.020)	-0.096*** (0.018)	-0.088*** (0.016)	-0.048*** (0.011)
Own Computer (Base: No)	-0.078*** (0.022)	-0.011 (0.016)	-0.006 (0.016)	-0.007 (0.011)
Own Agriculture Land (Base: No)	-0.082*** (0.023)	-0.016 (0.020)	-0.038** (0.018)	-0.006 (0.014)
Own Residential/Commercial Plot (Base: No)	-0.055* (0.031)	-0.006 (0.027)	-0.015 (0.025)	0.014 (0.021)
Own House (Base: Yes)	0.040* (0.022)	0.046** (0.023)	0.018 (0.022)	-0.011 (0.018)
Own Generator (Base: Yes)	-0.124*** (0.043)	-0.054 (0.035)	-0.030 (0.026)	0.011 (0.019)
Constant	0.545*** (0.037)	0.256*** (0.033)	0.203*** (0.031)	0.125*** (0.026)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.516	0.445	0.435	0.439

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S3: Covid-19 Severity and Food Insecurity

(Proxy: Number of HH reporting Decreased Income due to Covid-19 lockdown)

	Lack of Healthy Food	Skipped a Meal	Ran out of Food	Went without food whole day
Model #	[1]	[2]	[3]	[4]
No. of HH members with reduced income (Base = No)	0.099*** (0.009)	0.045*** (0.008)	0.030*** (0.007)	0.010* (0.006)
Avg. Family Size	-0.003 (0.003)	-0.002 (0.003)	-0.003 (0.002)	-0.001 (0.002)
Average Age of HH Members	-0.001* (0.001)	-0.001** (0.001)	-0.001 (0.001)	-0.000 (0.000)
Ln (HH Income)	-0.006*** (0.002)	-0.003* (0.002)	-0.003** (0.001)	-0.002** (0.001)
Received Social Assistance	0.224*** (0.018)	0.157*** (0.017)	0.120*** (0.015)	0.058*** (0.012)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.008 (0.037)	-0.006 (0.045)	-0.023 (0.048)	-0.034 (0.036)
On Rent	0.033 (0.023)	0.020 (0.026)	0.007 (0.025)	0.019 (0.021)
On Subsidized	0.008 (0.084)	-0.041 (0.055)	0.064 (0.079)	0.083 (0.057)
Rent Free	0.036 (0.032)	0.035 (0.034)	0.069** (0.032)	0.056** (0.024)
No. of rooms in house	-0.043*** (0.005)	-0.030*** (0.005)	-0.022*** (0.005)	-0.015*** (0.004)
Type of Cooking Fuel (Base: Gas)				
Firewood	0.106*** (0.031)	0.091*** (0.033)	0.121*** (0.034)	0.057** (0.026)
LPG + Kerosene Oil	-0.077* (0.041)	0.066* (0.040)	0.086** (0.036)	0.045 (0.030)
Electricity	-0.212** (0.108)	-0.001 (0.114)	0.025 (0.103)	-0.096 (0.075)
Dung Cake	0.288*** (0.066)	0.266*** (0.051)	0.234*** (0.059)	0.141*** (0.054)
Crop Residue	0.226** (0.099)	0.193** (0.086)	0.248** (0.104)	0.162** (0.074)
Charcoal / Coal	0.050 (0.086)	0.108 (0.143)	0.161 (0.140)	0.266* (0.159)
Others	0.116 (0.115)	0.454*** (0.124)	0.332** (0.130)	0.385*** (0.128)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.038 (0.044)	-0.061 (0.049)	-0.011 (0.048)	0.004 (0.031)
Gas	-0.015 (0.088)	0.037 (0.091)	0.079 (0.093)	0.063 (0.075)
Kerosene/Oil/Diesel/Petrol	-0.165 (0.128)	0.084 (0.086)	0.107 (0.102)	0.068 (0.151)
Firewood	0.051 (0.080)	0.055 (0.088)	0.083 (0.085)	0.044 (0.048)

Candle	0.041 (0.073)	0.149* (0.077)	0.133 (0.081)	-0.033 (0.041)
Others	0.131** (0.058)	0.138* (0.081)	0.194** (0.078)	0.185** (0.072)
Drinking Water Source (Base: Piped water)				
Hand Pump	0.050 (0.038)	0.028 (0.040)	0.005 (0.041)	0.012 (0.035)
Bore Hole / Tube Well	-0.041 (0.029)	-0.041 (0.027)	-0.004 (0.027)	-0.008 (0.022)
Open Well	-0.159* (0.084)	-0.040 (0.063)	0.037 (0.063)	0.010 (0.028)
Closed Well	-0.038 (0.094)	0.024 (0.065)	0.031 (0.077)	0.026 (0.061)
Spring (protected)	0.017 (0.095)	-0.032 (0.048)	0.030 (0.030)	0.013 (0.013)
Spring (unprotected)	-0.070 (0.071)	-0.068 (0.075)	-0.014 (0.060)	0.022 (0.029)
Pond/Canal/River/Stream	0.148*** (0.054)	0.076 (0.067)	0.102* (0.060)	-0.007 (0.049)
Bottled Water	-0.051 (0.052)	-0.045 (0.036)	-0.047 (0.032)	-0.026 (0.017)
Tanker / Truck / Water Bearer	-0.011 (0.043)	-0.044 (0.047)	-0.054 (0.044)	-0.041 (0.036)
Filtration Plant	-0.068** (0.032)	-0.049 (0.032)	-0.062** (0.031)	-0.029 (0.028)
Others	0.020 (0.054)	0.058 (0.079)	0.105 (0.101)	0.072 (0.089)
Internet Connection (Base: No)	-0.163*** (0.020)	-0.102*** (0.018)	-0.093*** (0.016)	-0.049*** (0.011)
Own Computer (Base: No)	-0.080*** (0.022)	-0.013 (0.016)	-0.008 (0.016)	-0.008 (0.011)
Own Agriculture Land (Base: No)	-0.085*** (0.023)	-0.019 (0.021)	-0.042** (0.019)	-0.007 (0.014)
Own Residential/Commercial Plot (Base: No)	-0.049 (0.031)	-0.004 (0.027)	-0.014 (0.025)	0.015 (0.021)
Own House (Base: Yes)	0.035 (0.022)	0.045* (0.023)	0.017 (0.022)	-0.011 (0.018)
Own Generator (Base: Yes)	-0.139*** (0.044)	-0.062* (0.035)	-0.037 (0.027)	0.009 (0.019)
Constant	0.647*** (0.037)	0.306*** (0.033)	0.241*** (0.032)	0.138*** (0.026)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.506	0.441	0.431	0.438

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S4: Covid-19 Severity and Income Disparity's Effect on Food Insecurity
(Subjective Measure of Covid-19 Severity Interacted with Income Quartiles)

Model #	Lack of Healthy Food	Skipped a Meal	Ran out of Food	Went without food whole day
	[1]	[2]	[3]	[4]
HH affected by Covid-19 (Base: No)	0.281*** (0.038)	0.301*** (0.044)	0.235*** (0.044)	0.137*** (0.039)
Income Quartile (Base: 4)				
1st Quartile	0.189*** (0.025)	0.108*** (0.020)	0.060*** (0.018)	0.047*** (0.014)
2nd Quartile	0.160*** (0.024)	0.075*** (0.019)	0.046*** (0.016)	0.031** (0.012)
3rd Quartile	0.095*** (0.021)	0.057*** (0.016)	0.020 (0.014)	0.024** (0.010)
Covid Severity (Yes) × Income Quartiles (Base: Quartile 4)				
Covid Severity × 1 st Quartile	-0.060 (0.043)	0.065 (0.050)	0.173*** (0.050)	0.127*** (0.043)
Covid Severity × 2 nd Quartile	-0.047 (0.043)	0.046 (0.055)	0.059 (0.052)	0.050 (0.045)
Covid Severity × 3 rd Quartile	0.014 (0.047)	-0.017 (0.051)	0.013 (0.054)	-0.011 (0.043)
Avg. Family Size	0.013*** (0.003)	0.007*** (0.002)	0.003 (0.002)	0.003* (0.002)
Average Age of HH Members	0.000 (0.001)	-0.000 (0.001)	-0.000 (0.001)	0.000 (0.000)
Ln (HH Income)	-0.001 (0.002)	0.000 (0.002)	-0.001 (0.001)	-0.000 (0.001)
Received Social Assistance	0.160*** (0.018)	0.083*** (0.017)	0.055*** (0.015)	0.015 (0.011)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.012 (0.040)	0.008 (0.046)	-0.010 (0.047)	-0.023 (0.033)
On Rent	0.019 (0.023)	-0.001 (0.024)	-0.015 (0.024)	0.004 (0.020)
On Subsidized	-0.060 (0.083)	-0.080 (0.050)	0.027 (0.077)	0.060 (0.057)
Rent Free	-0.012 (0.031)	-0.004 (0.030)	0.032 (0.030)	0.031 (0.022)
No. of rooms in house	-0.031*** (0.005)	-0.019*** (0.005)	-0.013*** (0.005)	-0.009** (0.004)
Type of Cooking Fuel (Base: Gas)				
Firewood	0.088*** (0.029)	0.062** (0.031)	0.097*** (0.031)	0.041 (0.025)
LPG + Kerosene Oil	-0.089** (0.038)	0.049 (0.037)	0.072** (0.033)	0.037 (0.029)
Electricity	-0.181 (0.115)	0.014 (0.124)	0.038 (0.106)	-0.087 (0.071)
Dung Cake	0.213*** (0.058)	0.181*** (0.050)	0.155*** (0.052)	0.089* (0.049)
Crop Residue	0.182* (0.095)	0.113 (0.095)	0.157* (0.095)	0.105* (0.095)

	(0.099)	(0.076)	(0.085)	(0.062)
Charcoal / Coal	0.027	0.082	0.144	0.252
	(0.078)	(0.144)	(0.136)	(0.156)
Others	-0.014	0.286***	0.196**	0.276**
	(0.089)	(0.084)	(0.095)	(0.133)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.023	-0.049	-0.001	0.009
	(0.046)	(0.048)	(0.045)	(0.030)
Gas	-0.002	0.051	0.085	0.068
	(0.088)	(0.097)	(0.086)	(0.069)
Kerosene/Oil/Diesel/Petrol	-0.136	0.108	0.131	0.081
	(0.170)	(0.099)	(0.106)	(0.128)
Firewood	0.032	0.038	0.072	0.039
	(0.077)	(0.077)	(0.076)	(0.044)
Candle	0.057	0.168**	0.146*	-0.024
	(0.074)	(0.077)	(0.079)	(0.039)
Others	0.101*	0.093	0.147**	0.155**
	(0.059)	(0.074)	(0.066)	(0.065)
Drinking Water Source (Base: Piped water)				
Hand Pump	0.046	0.018	-0.007	0.006
	(0.039)	(0.038)	(0.038)	(0.032)
Bore Hole / Tube Well	-0.039	-0.035	0.003	-0.003
	(0.030)	(0.027)	(0.025)	(0.021)
Open Well	-0.136	-0.027	0.050	0.017
	(0.089)	(0.059)	(0.058)	(0.029)
Closed Well	-0.060	0.031	0.034	0.029
	(0.098)	(0.064)	(0.073)	(0.053)
Spring (protected)	0.011	-0.053	0.016	0.004
	(0.081)	(0.058)	(0.034)	(0.020)
Spring (unprotected)	-0.040	-0.046	0.019	0.041
	(0.069)	(0.081)	(0.062)	(0.031)
Pond/Canal/River/Stream	0.138***	0.055	0.072	-0.033
	(0.049)	(0.078)	(0.066)	(0.054)
Bottled Water	-0.049	-0.037	-0.042	-0.019
	(0.051)	(0.036)	(0.027)	(0.019)
Tanker / Truck / Water Bearer	-0.001	-0.030	-0.037	-0.029
	(0.042)	(0.046)	(0.042)	(0.034)
Filtration Plant	-0.066**	-0.046	-0.061**	-0.028
	(0.033)	(0.032)	(0.030)	(0.027)
Others	-0.006	0.005	0.042	0.032
	(0.063)	(0.071)	(0.088)	(0.076)
Internet Connection (Base: No)	-0.113***	-0.061***	-0.058***	-0.026**
	(0.021)	(0.018)	(0.015)	(0.011)
Own Computer (Base: No)	-0.064***	0.001	0.000	-0.002
	(0.022)	(0.016)	(0.015)	(0.011)
Own Agriculture Land (Base: No)	-0.096***	-0.013	-0.034**	-0.000
	(0.023)	(0.019)	(0.017)	(0.014)
Own Residential/Commercial Plot (Base: No)	-0.068**	-0.015	-0.026	0.010
	(0.030)	(0.025)	(0.024)	(0.018)
Own House (Base: Yes)	0.054**	0.056***	0.027	-0.004
	(0.022)	(0.021)	(0.021)	(0.017)
Own Generator (Base: Yes)	-0.109**	-0.032	-0.012	0.024
	(0.048)	(0.037)	(0.028)	(0.021)
Constant	0.397***	0.121***	0.095***	0.038
	(0.043)	(0.035)	(0.033)	(0.027)
PSU Fixed Effects	Yes	Yes	Yes	Yes

Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.526	0.501	0.500	0.484

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.10$.

Table S5: Covid-19 Severity and Income Disparity's Effect on Food Insecurity
(Decreased Income of any HH member Interacted with Income Quartiles)

Model #	Lack of Healthy Food [1]	Skipped a Meal [2]	Ran out of Food [3]	Went without food whole day [4]
Any HH member reported income reduction (Base: No)	0.192*** (0.025)	0.036** (0.017)	0.040*** (0.015)	0.015 (0.011)
Income Quartile (Base: 4)				
1st Quartile	0.247*** (0.027)	0.126*** (0.022)	0.108*** (0.021)	0.087*** (0.017)
2nd Quartile	0.128*** (0.030)	0.018 (0.024)	0.026 (0.023)	0.033* (0.019)
3rd Quartile	0.032 (0.026)	0.007 (0.021)	-0.011 (0.018)	0.011 (0.017)
Reduced Income (Yes) × Income Quartiles (Base: Q4)				
Covid Severity × 1 st Quartile	-0.012 (0.032)	0.116*** (0.031)	0.099*** (0.030)	0.047** (0.024)
Covid Severity × 2 nd Quartile	0.075** (0.035)	0.145*** (0.032)	0.077*** (0.029)	0.025 (0.024)
Covid Severity × 3 rd Quartile	0.132*** (0.034)	0.095*** (0.029)	0.063** (0.027)	0.022 (0.022)
Avg. Family Size	0.010*** (0.003)	0.007*** (0.002)	0.003 (0.002)	0.003* (0.002)
Average Age of HH Members	0.000 (0.001)	-0.000 (0.001)	-0.000 (0.001)	-0.000 (0.000)
Ln (HH Income)	-0.007*** (0.002)	-0.003* (0.002)	-0.004*** (0.001)	-0.001 (0.001)
Received Social Assistance	0.184*** (0.018)	0.129*** (0.017)	0.097*** (0.016)	0.043*** (0.012)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.020 (0.037)	0.001 (0.044)	-0.016 (0.047)	-0.028 (0.035)
On Rent	0.035 (0.022)	0.018 (0.025)	0.004 (0.024)	0.018 (0.021)
On Subsidized	0.002 (0.084)	-0.052 (0.053)	0.057 (0.080)	0.074 (0.058)
Rent Free	0.008 (0.030)	0.015 (0.033)	0.053* (0.031)	0.046* (0.024)
No. of rooms in house	-0.032*** (0.005)	-0.023*** (0.005)	-0.017*** (0.005)	-0.011*** (0.004)
Type of Cooking Fuel (Base: Gas)				
Firewood	0.096*** (0.028)	0.081** (0.032)	0.112*** (0.033)	0.052** (0.026)
LPG + Kerosene Oil	-0.066* (0.038)	0.070* (0.038)	0.090** (0.037)	0.047 (0.030)
Electricity	-0.232** (0.108)	-0.006 (0.111)	0.025 (0.105)	-0.096 (0.076)
Dung Cake	0.238*** (0.058)	0.227*** (0.051)	0.199*** (0.058)	0.118** (0.053)
Crop Residue	0.182**	0.147*	0.210**	0.139*

	(0.088)	(0.084)	(0.103)	(0.073)
Charcoal / Coal	0.044	0.107	0.162	0.267
	(0.096)	(0.164)	(0.161)	(0.173)
Others	0.088	0.428***	0.324***	0.370***
	(0.097)	(0.115)	(0.120)	(0.126)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.026	-0.048	-0.003	0.009
	(0.043)	(0.048)	(0.045)	(0.031)
Gas	0.003	0.055	0.088	0.065
	(0.087)	(0.085)	(0.093)	(0.077)
Kerosene/Oil/Diesel/Petrol	-0.164	0.082	0.102	0.064
	(0.183)	(0.081)	(0.118)	(0.144)
Firewood	0.049	0.052	0.083	0.042
	(0.076)	(0.084)	(0.081)	(0.046)
Candle	0.037	0.141*	0.122	-0.040
	(0.071)	(0.073)	(0.079)	(0.042)
Others	0.103*	0.107	0.166**	0.165**
	(0.058)	(0.076)	(0.069)	(0.068)
Drinking Water Source (Base: Piped water)				
Hand Pump	0.047	0.024	-0.003	0.006
	(0.036)	(0.039)	(0.039)	(0.034)
Bore Hole / Tube Well	-0.033	-0.036	-0.000	-0.006
	(0.028)	(0.027)	(0.026)	(0.022)
Open Well	-0.147*	-0.030	0.045	0.016
	(0.087)	(0.064)	(0.062)	(0.030)
Closed Well	-0.022	0.032	0.038	0.026
	(0.090)	(0.064)	(0.079)	(0.060)
Spring (protected)	0.047	-0.021	0.041	0.020
	(0.073)	(0.056)	(0.031)	(0.014)
Spring (unprotected)	-0.033	-0.049	0.006	0.032
	(0.078)	(0.080)	(0.060)	(0.030)
Pond/Canal/River/Stream	0.125**	0.063	0.088	-0.015
	(0.050)	(0.071)	(0.060)	(0.048)
Bottled Water	-0.038	-0.036	-0.042	-0.023
	(0.049)	(0.034)	(0.031)	(0.018)
Tanker / Truck / Water Bearer	0.015	-0.025	-0.035	-0.029
	(0.040)	(0.045)	(0.042)	(0.034)
Filtration Plant	-0.062*	-0.044	-0.056*	-0.026
	(0.032)	(0.032)	(0.031)	(0.028)
Others	0.032	0.065	0.105	0.070
	(0.051)	(0.075)	(0.096)	(0.088)
Internet Connection (Base: No)	-0.115***	-0.070***	-0.067***	-0.033***
	(0.021)	(0.018)	(0.016)	(0.011)
Own Computer (Base: No)	-0.057***	-0.002	-0.001	-0.002
	(0.021)	(0.016)	(0.016)	(0.012)
Own Agriculture Land (Base: No)	-0.074***	-0.013	-0.035*	-0.003
	(0.022)	(0.020)	(0.018)	(0.015)
Own Residential/Commercial Plot (Base: No)	-0.054*	-0.009	-0.019	0.013
	(0.030)	(0.026)	(0.025)	(0.020)
Own House (Base: Yes)	0.049**	0.055**	0.024	-0.007
	(0.021)	(0.022)	(0.021)	(0.018)
Own Generator (Base: Yes)	-0.106**	-0.048	-0.026	0.016
	(0.045)	(0.035)	(0.028)	(0.020)
Constant	0.343***	0.138***	0.110***	0.051*
	(0.043)	(0.035)	(0.034)	(0.028)
PSU Fixed Effects	Yes	Yes	Yes	Yes

Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.537	0.460	0.448	0.448

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.10$.

Table S6: Covid-19 Severity and Income Disparity's Effect on Food Insecurity
(Number of HH reporting Decreased Income Interacted with Income Quartiles)

	Lack of Healthy Food	Skipped a Meal	Ran out of Food	Went without food whole day
Model #	[1]	[2]	[3]	[4]
No. of HH members with reduced income	0.097*** (0.010)	0.031*** (0.010)	0.027*** (0.009)	0.011* (0.007)
Income Quartile (Base: 4)				
1st Quartile	0.261*** (0.027)	0.155*** (0.023)	0.133*** (0.022)	0.095*** (0.018)
2nd Quartile	0.177*** (0.027)	0.050** (0.023)	0.048** (0.022)	0.039** (0.017)
3rd Quartile	0.074*** (0.023)	0.034 (0.021)	0.013 (0.018)	0.016 (0.015)
Reduced Income (Yes) × Income Quartiles (Base: Q4)				
Covid Severity × 1 st Quartile	0.035* (0.021)	0.078*** (0.025)	0.063** (0.024)	0.036* (0.019)
Covid Severity × 2 nd Quartile	0.049** (0.019)	0.089*** (0.021)	0.045** (0.019)	0.018 (0.015)
Covid Severity × 3 rd Quartile	0.066*** (0.016)	0.040** (0.016)	0.020 (0.015)	0.011 (0.012)
Avg. Family Size	0.005 (0.003)	0.004* (0.002)	0.001 (0.002)	0.002 (0.002)
Average Age of HH Members	-0.001 (0.001)	-0.001 (0.001)	-0.001 (0.001)	-0.000 (0.000)
Ln (HH Income)	-0.004** (0.002)	-0.002 (0.002)	-0.003** (0.001)	-0.001 (0.001)
Received Social Assistance	0.173*** (0.018)	0.123*** (0.017)	0.093*** (0.016)	0.041*** (0.012)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.020 (0.037)	0.001 (0.044)	-0.017 (0.047)	-0.028 (0.035)
On Rent	0.028 (0.023)	0.016 (0.025)	0.003 (0.024)	0.017 (0.021)
On Subsidized	-0.015 (0.081)	-0.057 (0.053)	0.052 (0.079)	0.073 (0.058)
Rent Free	0.013 (0.031)	0.018 (0.033)	0.054* (0.031)	0.047* (0.024)
No. of rooms in house	-0.031*** (0.005)	-0.022*** (0.005)	-0.017*** (0.005)	-0.011*** (0.004)
Type of Cooking Fuel (Base: Gas)				
Firewood	0.092*** (0.029)	0.079** (0.032)	0.112*** (0.033)	0.051** (0.026)
LPG + Kerosene Oil	-0.074* (0.039)	0.067* (0.039)	0.088** (0.037)	0.046 (0.030)
Electricity	-0.208* (0.109)	0.008 (0.113)	0.036 (0.104)	-0.092 (0.075)
Dung Cake	0.232*** (0.061)	0.223*** (0.051)	0.197*** (0.058)	0.116** (0.053)
Crop Residue	0.179** (0.091)	0.142* (0.081)	0.210** (0.099)	0.138** (0.070)

Charcoal / Coal	0.052 (0.095)	0.110 (0.169)	0.166 (0.163)	0.269 (0.174)
Others	0.090 (0.104)	0.430*** (0.115)	0.323*** (0.122)	0.371*** (0.126)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.030 (0.043)	-0.051 (0.048)	-0.004 (0.045)	0.008 (0.031)
Gas	-0.015 (0.092)	0.034 (0.093)	0.076 (0.092)	0.060 (0.076)
Kerosene/Oil/Diesel/Petrol	-0.147 (0.163)	0.093 (0.084)	0.109 (0.109)	0.067 (0.142)
Firewood	0.047 (0.077)	0.052 (0.084)	0.080 (0.082)	0.042 (0.047)
Candle	0.031 (0.074)	0.139* (0.072)	0.122 (0.078)	-0.040 (0.041)
Others	0.094* (0.056)	0.101 (0.075)	0.161** (0.068)	0.162** (0.069)
Drinking Water Source (Base: Piped water)				
Hand Pump	0.039 (0.036)	0.023 (0.039)	-0.003 (0.039)	0.006 (0.034)
Bore Hole / Tube Well	-0.033 (0.029)	-0.033 (0.027)	0.000 (0.027)	-0.005 (0.022)
Open Well	-0.151* (0.083)	-0.032 (0.061)	0.045 (0.060)	0.016 (0.030)
Closed Well	-0.042 (0.090)	0.028 (0.063)	0.029 (0.078)	0.024 (0.059)
Spring (protected)	0.022 (0.085)	-0.026 (0.052)	0.037 (0.031)	0.018 (0.014)
Spring (unprotected)	-0.059 (0.072)	-0.065 (0.068)	-0.003 (0.058)	0.029 (0.027)
Pond/Canal/River/Stream	0.136*** (0.050)	0.069 (0.070)	0.092 (0.060)	-0.014 (0.048)
Bottled Water	-0.036 (0.051)	-0.036 (0.034)	-0.041 (0.031)	-0.022 (0.018)
Tanker / Truck / Water Bearer	0.015 (0.041)	-0.023 (0.045)	-0.034 (0.043)	-0.029 (0.035)
Filtration Plant	-0.061* (0.032)	-0.042 (0.032)	-0.056* (0.031)	-0.026 (0.028)
Others	0.016 (0.052)	0.058 (0.076)	0.098 (0.097)	0.067 (0.087)
Internet Connection (Base: No)	-0.121*** (0.021)	-0.074*** (0.018)	-0.070*** (0.016)	-0.034*** (0.011)
Own Computer (Base: No)	-0.052** (0.021)	0.002 (0.016)	0.001 (0.016)	-0.001 (0.011)
Own Agriculture Land (Base: No)	-0.071*** (0.022)	-0.009 (0.020)	-0.034* (0.018)	-0.002 (0.014)
Own Residential/Commercial Plot (Base: No)	-0.046 (0.030)	-0.008 (0.026)	-0.018 (0.024)	0.013 (0.020)
Own House (Base: Yes)	0.042* (0.022)	0.052** (0.022)	0.023 (0.021)	-0.007 (0.018)
Own Generator (Base: Yes)	-0.113** (0.046)	-0.048 (0.035)	-0.028 (0.028)	0.016 (0.020)
Constant	0.403*** (0.043)	0.158*** (0.035)	0.125*** (0.035)	0.057** (0.028)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes

Observations	5,411	5,382	5,289	5,284
R-squared	0.533	0.459	0.446	0.448

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S7: Pairwise Correlations Among Food Insecurity Indicators

	Lack of healthy food	Skipped a meal	Ran out of food	Went without food whole day
Lack of healthy food	1			
Skipped a meal	0.4906***	1		
Ran out of food	0.4216***	0.7262***	1	
Went without food whole day	0.2855***	0.5524***	0.6661***	1

*** p < 0.01.

Table S8: Covid-19 Severity and Food Insecurity (PCC Analysis)

(All three Covid-19 severity measures reported)

Model #	PCC [1]	PCC [2]	PCC [3]
HH affected by Covid-19 (Base: No)	0.766*** (0.049)		
Any HH member reported income reduction (Base: No)		0.240*** (0.032)	
No. of HH members with reduced income			0.096*** (0.018)
Avg. Family Size	0.006 (0.005)	-0.000 (0.005)	-0.005 (0.006)
Average Age of HH Members	-0.001 (0.001)	-0.002 (0.001)	-0.003** (0.001)
Ln (HH Income)	-0.001 (0.003)	-0.009*** (0.003)	-0.007* (0.003)
Received Social Assistance	0.220*** (0.036)	0.348*** (0.038)	0.346*** (0.038)
Residence Type (Base: Personal Residence (Not self-hired))			
Personal Residence (Self hired)	0.000 (0.106)	-0.010 (0.101)	-0.013 (0.101)
On Rent	-0.001 (0.056)	0.046 (0.059)	0.044 (0.059)
On Subsidized	-0.120 (0.116)	-0.044 (0.121)	-0.062 (0.121)
Rent Free	0.036 (0.068)	0.104 (0.074)	0.108 (0.074)
No. of rooms in house	-0.047*** (0.012)	-0.060*** (0.012)	-0.061*** (0.012)
Type of Cooking Fuel (Base: Gas)			
Firewood	0.132* (0.072)	0.186** (0.074)	0.188** (0.075)
LPG + Kerosene Oil	0.095 (0.084)	0.140 (0.087)	0.131 (0.089)
Electricity	0.082 (0.270)	0.020 (0.245)	0.049 (0.247)
Dung Cake	0.425*** (0.118)	0.564*** (0.121)	0.566*** (0.121)
Crop Residue	0.331* (0.180)	0.508** (0.213)	0.519** (0.211)
Charcoal / Coal	0.160 (0.280)	0.201 (0.313)	0.208 (0.308)
Others	0.565*** (0.206)	0.817*** (0.284)	0.814*** (0.280)
Type of Light Fuel (Base: Electricity)			
Solar Energy	-0.086 (0.104)	-0.101 (0.108)	-0.107 (0.108)
Gas	-0.034 (0.211)	-0.006 (0.189)	-0.029 (0.193)
Kerosene/Oil/Diesel/Petrol	0.213 (0.195)	0.145 (0.169)	0.155 (0.182)
Firewood	0.064	0.096	0.082

	(0.167)	(0.188)	(0.189)
Candle	0.372**	0.317*	0.318*
	(0.176)	(0.171)	(0.171)
Others	0.285*	0.322*	0.315*
	(0.171)	(0.186)	(0.184)
Drinking Water Source (Base: Piped water)			
Hand Pump	0.057	0.077	0.074
	(0.084)	(0.089)	(0.089)
Bore Hole / Tube Well	-0.061	-0.067	-0.073
	(0.059)	(0.061)	(0.061)
Open Well	-0.073	-0.088	-0.082
	(0.128)	(0.141)	(0.138)
Closed Well	0.048	0.060	0.026
	(0.131)	(0.144)	(0.143)
Spring (protected)	-0.117	-0.042	-0.062
	(0.117)	(0.110)	(0.106)
Spring (unprotected)	-0.102	-0.130	-0.145
	(0.179)	(0.175)	(0.166)
Pond/Canal/River/Stream	0.161	0.192	0.203
	(0.180)	(0.158)	(0.154)
Bottled Water	-0.099	-0.091	-0.088
	(0.079)	(0.079)	(0.080)
Tanker / Truck / Water Bearer	-0.067	-0.070	-0.074
	(0.107)	(0.102)	(0.104)
Filtration Plant	-0.083	-0.071	-0.077
	(0.072)	(0.072)	(0.072)
Others	0.081	0.210	0.191
	(0.154)	(0.169)	(0.170)
Internet Connection (Base: No)	-0.180***	-0.223***	-0.237***
	(0.039)	(0.041)	(0.041)
Own Computer (Base: No)	-0.018	-0.024	-0.029
	(0.034)	(0.036)	(0.036)
Own Agriculture Land (Base: No)	-0.043	-0.050	-0.056
	(0.045)	(0.046)	(0.046)
Own Residential/Commercial Plot (Base: No)	-0.032	-0.005	-0.001
	(0.058)	(0.061)	(0.061)
Own House (Base: Yes)	0.101**	0.089*	0.086
	(0.049)	(0.052)	(0.052)
Own Generator (Base: Yes)	-0.103	-0.142*	-0.158*
	(0.084)	(0.082)	(0.083)
Constant	-0.155**	-0.080	0.026
	(0.072)	(0.074)	(0.075)
PSU Fixed Effects	Yes	Yes	Yes
Controls	Yes	Yes	Yes
Observations	5,182	5,182	5,182
R-squared	0.504	0.453	0.449

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S9: Covid-19 Severity and Food Insecurity (PCC Analysis)
(All three Covid-19 severity measures interacted with Income Quartiles)

Model #	PCC [1]	PCC [2]	PCC [3]
Income Quartile (Base: 4)			
1st Quartile	0.228*** (0.045)	0.260*** (0.049)	0.314*** (0.050)
2nd Quartile	0.152*** (0.043)	0.033 (0.054)	0.090* (0.053)
3rd Quartile	0.129*** (0.037)	0.019 (0.048)	0.069 (0.046)
HH affected by Covid-19 (Base: No)	0.665*** (0.098)		
HH affected by Covid-19 (Yes) × Income Quartiles (Base: Q4)			
HH affected by Covid-19 × 1 st Quartile	0.145 (0.112)		
HH affected by Covid-19 × 2 nd Quartile	0.114 (0.122)		
HH affected by Covid-19 × 3 rd Quartile	-0.047 (0.115)		
Any HH member reported income reduction (Base: No)		0.075** (0.037)	
Any HH member reported income reduction × Income Quartiles (Base: Q4)			
Any HH member reported income reduction × 1 st Quartile		0.277*** (0.068)	
Any HH member reported income reduction × 2 nd Quartile		0.312*** (0.071)	
Any HH member reported income reduction × 3 rd Quartile		0.205*** (0.065)	
No. of HH members with reduced income			0.060*** (0.021)
No. of HH members with reduced income × Income Quartiles (Base: Q4)			
No. of HH members with reduced income × 1 st Quartile			0.195*** (0.056)
No. of HH members with reduced income × 2 nd Quartile			0.206*** (0.045)
No. of HH members with reduced income × 3 rd Quartile			0.091** (0.036)
Avg. Family Size	0.015*** (0.005)	0.014*** (0.005)	0.008 (0.005)
Average Age of HH Members	-0.001 (0.001)	-0.001 (0.001)	-0.002 (0.001)
Ln (HH Income)	0.001 (0.003)	-0.006* (0.003)	-0.005 (0.003)
Received Social Assistance	0.186*** (0.037)	0.285*** (0.039)	0.273*** (0.039)
Residence Type (Base: Personal Residence (Not self-hired))			
Personal Residence (Self hired)	0.015 (0.105)	-0.004 (0.099)	-0.006 (0.098)
On Rent	-0.003 (0.055)	0.035 (0.056)	0.029 (0.057)
On Subsidized	-0.155	-0.092	-0.102

	(0.113)	(0.116)	(0.116)
Rent Free	0.012	0.060	0.065
	(0.068)	(0.072)	(0.073)
No. of rooms in house	-0.038***	-0.047***	-0.046***
	(0.011)	(0.012)	(0.012)
Type of Cooking Fuel (Base: Gas)			
Firewood	0.126*	0.169**	0.167**
	(0.071)	(0.073)	(0.074)
LPG + Kerosene Oil	0.098	0.141	0.136
	(0.083)	(0.086)	(0.088)
Electricity	0.094	0.033	0.067
	(0.269)	(0.240)	(0.244)
Dung Cake	0.378***	0.482***	0.476***
	(0.118)	(0.120)	(0.121)
Crop Residue	0.308*	0.449**	0.434**
	(0.175)	(0.202)	(0.191)
Charcoal / Coal	0.161	0.207	0.215
	(0.300)	(0.354)	(0.367)
Others	0.525***	0.794***	0.800***
	(0.200)	(0.267)	(0.268)
Type of Light Fuel (Base: Electricity)			
Solar Energy	-0.074	-0.076	-0.082
	(0.102)	(0.106)	(0.105)
Gas	-0.021	0.016	-0.033
	(0.204)	(0.182)	(0.200)
Kerosene/Oil/Diesel/Petrol	0.209	0.148	0.173
	(0.211)	(0.170)	(0.175)
Firewood	0.053	0.089	0.086
	(0.165)	(0.182)	(0.181)
Candle	0.368**	0.303*	0.300*
	(0.174)	(0.164)	(0.162)
Others	0.252	0.268	0.245
	(0.167)	(0.178)	(0.173)
Drinking Water Source (Base: Piped water)			
Hand Pump	0.050	0.060	0.063
	(0.083)	(0.088)	(0.087)
Bore Hole / Tube Well	-0.060	-0.060	-0.056
	(0.059)	(0.060)	(0.059)
Open Well	-0.059	-0.062	-0.066
	(0.128)	(0.140)	(0.135)
Closed Well	0.025	0.048	0.032
	(0.132)	(0.142)	(0.138)
Spring (protected)	-0.113	-0.041	-0.052
	(0.128)	(0.122)	(0.115)
Spring (unprotected)	-0.100	-0.111	-0.144
	(0.178)	(0.173)	(0.149)
Pond/Canal/River/Stream	0.139	0.170	0.179
	(0.181)	(0.163)	(0.161)
Bottled Water	-0.089	-0.072	-0.071
	(0.076)	(0.073)	(0.073)
Tanker / Truck / Water Bearer	-0.043	-0.031	-0.027
	(0.104)	(0.100)	(0.101)
Filtration Plant	-0.076	-0.066	-0.063
	(0.071)	(0.070)	(0.070)
Others	0.061	0.188	0.175
	(0.152)	(0.163)	(0.163)

Internet Connection (Base: No)	-0.145*** (0.039)	-0.164*** (0.041)	-0.174*** (0.042)
Own Computer (Base: No)	-0.001 (0.034)	-0.007 (0.036)	-0.000 (0.036)
Own Agriculture Land (Base: No)	-0.043 (0.044)	-0.041 (0.044)	-0.034 (0.045)
Own Residential/Commercial Plot (Base: No)	-0.030 (0.057)	-0.016 (0.059)	-0.017 (0.059)
Own House (Base: Yes)	0.111** (0.048)	0.109** (0.049)	0.103** (0.050)
Own Generator (Base: Yes)	-0.093 (0.084)	-0.130 (0.081)	-0.130 (0.081)
Constant	-0.377*** (0.079)	-0.333*** (0.079)	-0.288*** (0.080)
PSU Fixed Effects	Yes	Yes	Yes
Controls	Yes	Yes	Yes
Observations	5,182	5,182	5,182
R-squared	0.509	0.467	0.467

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S10: Covid-19 Severity and Regional Disparity in Food Insecurity
(Subjective Measure of Covid-19 Severity Interacted with Household Location)

	Lack of Healthy Food	Skipped a Meal	Ran out of Food	Went without food whole day
Model #	[1]	[2]	[3]	[4]
HH affected by Covid-19 (Base: No)	0.278*** (0.019)	0.320*** (0.026)	0.275*** (0.027)	0.164*** (0.026)
Rural Area (base: urban)	-0.057* (0.033)	-0.022 (0.030)	-0.033 (0.030)	-0.021 (0.023)
Covid Severity (Yes) × Rural Area (Base: Urban)	0.016 (0.033)	-0.029 (0.051)	0.051 (0.052)	0.104** (0.052)
Avg. Family Size	0.011*** (0.003)	-0.005** (0.002)	-0.004** (0.002)	0.005*** (0.002)
Average Age of HH Members	-0.000 (0.001)	-0.001 (0.001)	-0.000 (0.001)	0.000 (0.000)
Ln (HH Income)	-0.002 (0.002)	- (0.002)	- (0.002)	- (0.001)
Received Social Assistance	0.172*** (0.019)	0.151*** (0.017)	0.100*** (0.016)	0.060*** (0.013)
Residence Type (Base: Personal Residence (Not self-hired)				
Personal Residence (Self hired)	0.104* (0.055)	0.039 (0.040)	0.009 (0.039)	0.035 (0.034)
On Rent	-0.007 (0.025)	-0.039 (0.028)	-0.055* (0.029)	0.019 (0.022)
On Subsidized	- (0.051)	-0.123** (0.048)	-0.039 (0.051)	0.026 (0.037)
Rent Free	-0.055 (0.034)	-0.070* (0.036)	-0.010 (0.036)	0.008 (0.026)
No. of rooms in house	- (0.050***)	- (0.026***)	- (0.020***)	- (0.000)
Type of Cooking Fuel (Base: Gas)				
Fire wood	0.067** (0.027)	-0.008 (0.027)	0.010 (0.028)	0.004 (0.025)
LPG + Kerosene Oil	- (0.117***)	- (0.066***)	- (0.066***)	- (0.037**)

Electricity	-0.258**	0.017	0.009	-0.084
	(0.107)	(0.116)	(0.105)	(0.061)
Dung Cake	-0.039	-0.008	0.003	0.063
	(0.072)	(0.053)	(0.043)	(0.043)
Crop Residue	0.014	-0.006	0.034	-0.009
	(0.071)	(0.054)	(0.064)	(0.059)
Charcoal / Coal	0.165***	0.479***	0.546***	0.694***
	(0.050)	(0.084)	(0.082)	(0.098)
Others	-0.021	0.320***	0.295**	0.275*
	(0.086)	(0.079)	(0.128)	(0.145)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.000	-0.074*	-0.016	-0.002
	(0.052)	(0.040)	(0.041)	(0.035)
Gas	-0.029	0.044	0.074	0.078
	(0.089)	(0.095)	(0.082)	(0.072)
Kerosene/Oil/Diesel/Petrol	-0.096	0.136	0.082	0.006
	(0.149)	(0.090)	(0.106)	(0.095)
Fire Wood	-0.040	-0.058	0.060	0.016
	(0.099)	(0.086)	(0.061)	(0.054)
Candle	0.133**	0.320***	0.351***	-0.046
	(0.056)	(0.092)	(0.101)	(0.036)
Others	0.101**	0.108*	0.172***	0.185***
	(0.048)	(0.063)	(0.064)	(0.060)
Drinking Water Source (Base: Piped water)				
Hand Pump	0.003	0.039	0.047	-0.040
	(0.038)	(0.033)	(0.031)	(0.026)
Bore Hole / Tube Well	-0.004	0.047*	0.074***	0.011
	(0.026)	(0.026)	(0.026)	(0.022)
Open Well	-0.136**	-0.027	0.021	-0.061*
	(0.057)	(0.055)	(0.062)	(0.037)
Closed Well	-0.037	0.076	0.010	-0.024
	(0.086)	(0.060)	(0.059)	(0.063)
Spring (protected)	0.127	-0.116**	-0.091	0.092***
	(0.079)	(0.048)	(0.061)	(0.035)
Spring (unprotected)	-0.080	-0.094*	-0.054	-0.059**
	(0.080)	(0.052)	(0.042)	(0.025)
Pond/Canal/River/Stream	-0.029	-0.097**	-0.053	-0.064
	(0.053)	(0.049)	(0.049)	(0.044)
Bottled Water	-0.083*	-	-	-
		0.147***	0.111***	0.083***

	(0.048)	(0.028)	(0.024)	(0.017)
Tanker / Truck / Water Bearer	-0.069**	0.102***	-0.021	-0.040
	(0.033)	(0.033)	(0.033)	(0.030)
Filtration Plant	-0.060**	-0.026	-0.029	-0.025
	(0.029)	(0.026)	(0.023)	(0.021)
Others	-0.079	-0.055	-0.065	-0.067
	(0.136)	(0.088)	(0.066)	(0.047)
Internet Connection (Base: No)	-	-	-	-
	0.154***	0.123***	0.116***	0.079***
	(0.021)	(0.016)	(0.014)	(0.012)
Own Computer (Base: No)	-	-	-	-
	0.128***	-0.018	0.001	-0.009
	(0.024)	(0.015)	(0.014)	(0.010)
Own Agriculture Land (Base: No)	-	-	-	-
	0.086***	0.059***	0.068***	-0.019
	(0.027)	(0.020)	(0.017)	(0.013)
Own Residential/Commercial Plot (Base: No)	-0.062**	0.013	-0.023	0.015
	(0.031)	(0.034)	(0.032)	(0.026)
Own House (Base: Yes)	0.097***	0.125***	0.095***	0.006
	(0.025)	(0.027)	(0.028)	(0.019)
Own Generator (Base: Yes)	-0.038	-0.030	-0.025	-0.014
	(0.059)	(0.028)	(0.028)	(0.015)
Constant	0.622***	0.328***	0.242***	0.148***
	(0.036)	(0.035)	(0.033)	(0.030)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.306	0.255	0.233	0.151

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S11: Covid-19 Severity and Regional Disparity in Food Insecurity
(Decreased Income of any HH member Interacted with Household Location)

Model #	Lack of Healthy Food [1]	Skipped a Meal [2]	Ran out of Food [3]	Went without food whole day [4]
Any HH member reported income reduction (Base: No)	0.218*** (0.019)	0.052** (0.020)	0.004 (0.021)	-0.020 (0.020)
Rural Area (base: urban)	-0.044 (0.038)	-0.016 (0.039)	-0.034 (0.039)	-0.015 (0.034)
Reduced Income (Yes) × Rural Area (Base: Urban)	0.009 (0.034)	-0.025 (0.039)	0.017 (0.040)	0.025 (0.034)
Avg. Family Size	0.006** (0.003)	-0.004* (0.003)	-0.003 (0.002)	-0.004** (0.002)
Average Age of HH Members	-0.000 (0.001)	-0.001 (0.001)	-0.001 (0.001)	-0.000 (0.000)
Ln (HH Income)	-0.008*** (0.002)	-0.008*** (0.002)	-0.007*** (0.002)	-0.006*** (0.001)
Received Social Assistance	0.215*** (0.019)	0.212*** (0.018)	0.158*** (0.016)	0.101*** (0.014)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.075 (0.054)	0.013 (0.038)	-0.014 (0.039)	0.019 (0.033)
On Rent	0.007 (0.025)	-0.008 (0.029)	-0.024 (0.029)	0.040* (0.022)
On Subsidized	-0.117** (0.056)	-0.114** (0.052)	-0.038 (0.054)	0.023 (0.039)
Rent Free	-0.035 (0.034)	-0.053 (0.037)	0.010 (0.037)	0.024 (0.028)
No. of rooms in house	-0.048*** (0.006)	-0.029*** (0.005)	-0.024*** (0.005)	-0.003 (0.004)
Type of Cooking Fuel (Base: Gas)				
Fire wood	0.094*** (0.027)	0.005 (0.028)	0.019 (0.029)	0.009 (0.026)
LPG + Kerosene Oil	-0.095*** (0.030)	-0.062*** (0.024)	-0.066*** (0.019)	-0.039** (0.016)
Electricity	-0.294*** (0.108)	-0.007 (0.116)	-0.007 (0.112)	-0.092 (0.068)

Dung Cake	0.034 (0.074)	0.031 (0.060)	0.036 (0.050)	0.085* (0.048)
Crop Residue	0.041 (0.082)	0.019 (0.063)	0.064 (0.081)	0.012 (0.065)
Charcoal / Coal	0.151* (0.077)	0.458*** (0.109)	0.526*** (0.100)	0.681*** (0.108)
Others	0.159 (0.105)	0.428*** (0.106)	0.352** (0.158)	0.310** (0.152)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.000 (0.053)	-0.074* (0.040)	-0.014 (0.040)	0.002 (0.037)
Gas	-0.022 (0.087)	0.034 (0.089)	0.058 (0.091)	0.068 (0.080)
Kerosene/Oil/Diesel/Petrol	-0.118 (0.129)	0.131* (0.079)	0.081 (0.114)	0.009 (0.113)
Fire Wood	0.009 (0.094)	-0.044 (0.089)	0.064 (0.067)	0.017 (0.072)
Candle	0.132** (0.055)	0.299*** (0.088)	0.327*** (0.096)	-0.065 (0.044)
Others	0.154*** (0.049)	0.179*** (0.059)	0.239*** (0.073)	0.243*** (0.070)
Drinking Water Source (Base: Piped water)				
Hand Pump	-0.014 (0.037)	0.008 (0.035)	0.017 (0.032)	-0.063** (0.026)
Bore Hole / Tube Well	-0.005 (0.027)	0.033 (0.027)	0.060** (0.027)	0.000 (0.022)
Open Well	-0.132** (0.055)	-0.008 (0.061)	0.043 (0.068)	-0.045 (0.045)
Closed Well	0.012 (0.092)	0.079 (0.053)	0.015 (0.066)	-0.019 (0.075)
Spring (protected)	0.179** (0.071)	-0.068* (0.038)	-0.051 (0.048)	-0.067** (0.027)
Spring (unprotected)	-0.080 (0.073)	-0.100* (0.057)	-0.061 (0.054)	-0.064** (0.032)
Pond/Canal/River/Stream	-0.021 (0.060)	-0.106** (0.050)	-0.060 (0.052)	-0.068 (0.048)
Bottled Water	-0.094** (0.046)	-0.164*** (0.031)	-0.127*** (0.025)	-0.094*** (0.018)
Tanker / Truck / Water Bearer	-0.041 (0.034)	-0.079** (0.036)	-0.005 (0.035)	-0.032 (0.032)

Filtration Plant	-0.081***	-0.060**	-0.060**	-0.047**
	(0.030)	(0.028)	(0.024)	(0.022)
Others	-0.057	-0.036	-0.045	-0.056
	(0.143)	(0.083)	(0.061)	(0.050)
Internet Connection (Base: No)	-0.177***	-0.145***	-0.137***	-0.092***
	(0.021)	(0.017)	(0.014)	(0.011)
Own Computer (Base: No)	-0.126***	-0.032**	-0.012	-0.018*
	(0.023)	(0.016)	(0.014)	(0.010)
Own Agriculture Land (Base: No)	-0.077***	-0.070***	-0.084***	-0.035**
	(0.028)	(0.021)	(0.019)	(0.016)
Own Residential/Commercial Plot (Base: No)	-0.045	0.023	-0.016	0.019
	(0.031)	(0.034)	(0.031)	(0.025)
Own House (Base: Yes)	0.104***	0.126***	0.092***	0.002
	(0.025)	(0.027)	(0.027)	(0.020)
Own Generator (Base: Yes)	-0.033	-0.038	-0.034	-0.021
	(0.053)	(0.026)	(0.026)	(0.017)
Constant	0.578***	0.375***	0.305***	0.198***
	(0.038)	(0.038)	(0.037)	(0.033)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.300	0.190	0.163	0.097

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S12: Covid-19 Severity and Regional Disparity in Food Insecurity
(Number of HH reporting Decreased Income Interacted with Household Location)

	Lack of Healthy Food	Skipped a Meal	Ran out of Food	Went without food whole day
Model #	[1]	[2]	[3]	[4]
No. of HH members with reduced income	0.105*** (0.010)	0.022** (0.010)	-0.001 (0.010)	-0.008 (0.009)
Rural Area (base: urban)	-0.063* (0.036)	-0.025 (0.036)	-0.027 (0.036)	-0.004 (0.032)
No. of Members with Reduced Income × Rural Area (Base: Urban)	0.024 (0.020)	-0.007 (0.020)	0.001 (0.020)	0.002 (0.017)
Avg. Family Size	0.000 (0.003)	-0.005** (0.003)	-0.003 (0.002)	-0.004* (0.002)
Average Age of HH Members	-0.001** (0.001)	-0.001* (0.001)	-0.001 (0.001)	0.000 (0.000)
Ln (HH Income)	-0.006*** (0.002)	-0.008*** (0.002)	-0.007*** (0.002)	-0.006*** (0.001)
Received Social Assistance	0.216*** (0.019)	0.212*** (0.018)	0.158*** (0.016)	0.101*** (0.014)
Residence Type (Base: Personal Residence (Not self-hired)				
Personal Residence (Self hired)	0.078 (0.054)	0.014 (0.038)	-0.014 (0.039)	0.018 (0.033)
On Rent	0.003 (0.025)	-0.008 (0.029)	-0.023 (0.029)	0.040* (0.022)
On Subsidized	-0.132** (0.054)	-0.119** (0.051)	-0.039 (0.054)	0.025 (0.039)
Rent Free	-0.029 (0.034)	-0.051 (0.037)	0.009 (0.037)	0.023 (0.028)
No. of rooms in house	-0.049*** (0.006)	-0.029*** (0.005)	-0.024*** (0.005)	-0.003 (0.004)
Type of Cooking Fuel (Base: Gas)				
Fire wood	0.093*** (0.027)	0.004 (0.028)	0.018 (0.028)	0.008 (0.026)
LPG + Kerosene Oil	-0.097*** (0.029)	-0.063*** (0.024)	-0.066*** (0.019)	-0.039** (0.016)
Electricity	-0.268**	-0.002	-0.008	-0.095

	(0.108)	(0.116)	(0.113)	(0.068)
Dung Cake	0.032	0.029	0.034	0.084*
	(0.076)	(0.061)	(0.050)	(0.049)
Crop Residue	0.043	0.020	0.065	0.012
	(0.082)	(0.062)	(0.081)	(0.065)
Charcoal / Coal	0.161**	0.460***	0.525***	0.679***
	(0.072)	(0.107)	(0.100)	(0.109)
Others	0.142	0.422***	0.348**	0.311**
	(0.106)	(0.106)	(0.158)	(0.151)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.003	-0.075*	-0.014	0.002
	(0.053)	(0.040)	(0.040)	(0.037)
Gas	-0.051	0.028	0.058	0.072
	(0.085)	(0.091)	(0.092)	(0.080)
Kerosene/Oil/Diesel/Petrol	-0.095	0.137*	0.082	0.007
	(0.114)	(0.080)	(0.114)	(0.113)
Fire Wood	0.000	-0.045	0.060	0.016
	(0.097)	(0.089)	(0.067)	(0.072)
Candle	0.125**	0.298***	0.326***	-0.065
	(0.054)	(0.088)	(0.096)	(0.044)
Others	0.154***	0.178***	0.241***	0.246***
	(0.046)	(0.059)	(0.073)	(0.071)
Drinking Water Source (Base: Piped water)				
Hand Pump	-0.029	0.005	0.016	-0.062**
	(0.037)	(0.035)	(0.032)	(0.027)
Bore Hole / Tube Well	-0.013	0.031	0.060**	0.001
	(0.027)	(0.027)	(0.027)	(0.022)
Open Well	-0.137**	-0.010	0.045	-0.043
	(0.055)	(0.062)	(0.068)	(0.045)
Closed Well	-0.013	0.073	0.013	-0.016
	(0.088)	(0.051)	(0.066)	(0.075)
Spring (protected)	0.161**	-0.073*	-0.050	-0.064**
	(0.080)	(0.039)	(0.047)	(0.027)
Spring (unprotected)	-0.079	-0.100*	-0.061	-0.064*
	(0.071)	(0.057)	(0.055)	(0.033)
Pond/Canal/River/Stream	-0.019	-0.106**	-0.062	-0.069
	(0.060)	(0.050)	(0.052)	(0.048)
Bottled Water	-0.090*	-0.164***	-0.127***	-0.094***
	(0.046)	(0.032)	(0.026)	(0.018)
Tanker / Truck / Water Bearer	-0.049	-0.081**	-0.005	-0.031

	(0.035)	(0.036)	(0.035)	(0.032)
Filtration Plant	-0.089***	-0.061**	-0.061**	-0.046**
	(0.030)	(0.028)	(0.024)	(0.022)
Others	-0.059	-0.037	-0.045	-0.055
	(0.147)	(0.083)	(0.061)	(0.050)
Internet Connection (Base: No)	-0.184***	-0.147***	-0.137***	-0.091***
	(0.021)	(0.017)	(0.014)	(0.011)
Own Computer (Base: No)	-0.126***	-0.033**	-0.013	-0.018*
	(0.023)	(0.016)	(0.014)	(0.010)
Own Agriculture Land (Base: No)	-0.074***	-0.070***	-0.086***	-0.036**
	(0.028)	(0.022)	(0.019)	(0.016)
Own Residential/Commercial Plot (Base: No)	-0.046	0.022	-0.016	0.020
	(0.030)	(0.033)	(0.031)	(0.025)
Own House (Base: Yes)	0.098***	0.125***	0.091***	0.003
	(0.025)	(0.027)	(0.027)	(0.020)
Own Generator (Base: Yes)	-0.040	-0.040	-0.034	-0.021
	(0.054)	(0.026)	(0.026)	(0.016)
Constant	0.686***	0.400***	0.306***	0.187***
	(0.035)	(0.036)	(0.035)	(0.031)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,284
R-squared	0.292	0.189	0.163	0.097

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** p<0.01, **p<0.05, *p<0.10.

Table S13: Covid-19 Severity and Food Insecurity (Logit Regressions)

(Proxy: Subjective Measure of Covid-19 Severity)

Model #	Lack of Healthy Food [1]	Skipped a Meal [2]	Ran out of Food [3]	Went without food whole day [4]
HH affected by Covid-19 (Base: No)	2.307*** (0.180)	1.535*** (0.115)	1.550*** (0.121)	1.440*** (0.155)
Avg. Family Size	0.071*** (0.018)	-0.030* (0.017)	-0.035* (0.019)	-0.068*** (0.025)
Average Age of HH Members	-0.001 (0.004)	-0.004 (0.004)	-0.002 (0.004)	0.001 (0.005)
Ln (HH Income)	-0.010 (0.011)	-0.064*** (0.016)	-0.085*** (0.019)	-0.124*** (0.029)
Received Social Assistance	0.983*** (0.110)	1.076*** (0.129)	0.997*** (0.150)	1.105*** (0.242)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.579* (0.340)	0.207 (0.231)	0.049 (0.258)	0.328 (0.314)
On Rent	-0.022 (0.158)	-0.270 (0.167)	-0.449** (0.199)	0.166 (0.240)
On Subsidized	-1.006*** (0.346)	-1.128** (0.562)	-0.400 (0.568)	0.417 (0.538)
Rent Free	-0.380* (0.215)	-0.521** (0.207)	-0.248 (0.224)	0.101 (0.275)
No. of rooms in house	-0.310*** (0.037)	-0.245*** (0.044)	-0.231*** (0.050)	-0.013 (0.055)
Type of Cooking Fuel (Base: Gas)				
Firewood	0.207 (0.158)	-0.072 (0.143)	0.040 (0.159)	0.089 (0.214)
LPG + Kerosene Oil	-0.768*** (0.174)	-0.668*** (0.209)	-0.997*** (0.232)	-0.705** (0.277)
Electricity	-1.408** (0.580)	0.180 (0.656)	0.150 (0.704)	-1.228 (1.309)
Dung Cake	-0.432 (0.412)	-0.109 (0.282)	-0.054 (0.244)	0.512* (0.304)
Crop Residue	-0.111 (0.388)	-0.056 (0.323)	0.262 (0.426)	0.040 (0.616)
Charcoal / Coal	1.832* (0.946)	2.643*** (0.702)	2.919*** (0.692)	3.754*** (0.809)
Others	-0.262 (0.568)	1.966*** (0.703)	1.599** (0.693)	1.441** (0.679)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.017 (0.312)	-0.486* (0.264)	-0.088 (0.270)	0.018 (0.344)
Gas	-0.233	0.294	0.568	0.945

	(0.433)	(0.542)	(0.488)	(0.622)
Kerosene/Oil/Diesel/Petrol	-0.616	0.662	0.353	0.104
	(1.018)	(0.480)	(0.644)	(0.889)
Firewood	-0.325	-0.274	0.368	0.170
	(0.614)	(0.470)	(0.303)	(0.567)
Candle	1.059*	1.374***	1.483***	-0.611
	(0.554)	(0.506)	(0.520)	(0.521)
Others	1.202*	0.461	0.885***	1.299***
	(0.700)	(0.310)	(0.301)	(0.316)
Drinking Water Source (Base: Piped water)				
Hand Pump	-0.084	0.097	0.168	-0.424*
	(0.228)	(0.176)	(0.185)	(0.245)
Bore Hole / Tube Well	-0.028	0.274*	0.503***	0.111
	(0.155)	(0.157)	(0.175)	(0.210)
Open Well	-0.849**	-0.226	0.122	-0.736
	(0.368)	(0.376)	(0.460)	(0.453)
Closed Well	-0.223	0.484	0.143	-0.130
	(0.555)	(0.379)	(0.402)	(0.630)
Spring (protected)	0.899	-1.579***	-2.209**	-
	(0.547)	(0.411)	(0.995)	
Spring (unprotected)	-0.564	-0.777	-0.487	-0.627
	(0.491)	(0.548)	(0.553)	(0.454)
Pond/Canal/River/Stream	-0.253	-0.807**	-0.567	-0.743
	(0.303)	(0.401)	(0.442)	(0.559)
Bottled Water	-0.503*	-1.197***	-1.287***	-2.472***
	(0.262)	(0.282)	(0.328)	(0.702)
Tanker / Truck / Water Bearer	-0.450**	-0.679***	-0.188	-0.423
	(0.208)	(0.226)	(0.237)	(0.306)
Filtration Plant	-0.358**	-0.204	-0.354*	-0.296
	(0.165)	(0.183)	(0.213)	(0.280)
Others	-0.498	-0.420	-0.578	-0.734
	(0.910)	(0.538)	(0.478)	(0.454)
Internet Connection (Base: No)	-0.792***	-0.936***	-1.242***	-1.449***
	(0.111)	(0.136)	(0.164)	(0.247)
Own Computer (Base: No)	-0.650***	-0.441***	-0.416*	-0.576*
	(0.140)	(0.170)	(0.229)	(0.305)
Own Agriculture Land (Base: No)	-0.545***	-0.541***	-0.835***	-0.432*
	(0.152)	(0.175)	(0.202)	(0.227)
Own Residential/Commercial Plot (Base: No)	-0.406**	0.012	-0.395	0.132
	(0.193)	(0.248)	(0.318)	(0.367)
Own House (Base: Yes)	0.610***	0.808***	0.740***	0.050
	(0.151)	(0.160)	(0.187)	(0.233)
Own Generator (Base: Yes)	-0.138	-0.313	-0.083	-0.451
	(0.356)	(0.309)	(0.394)	(0.526)
Constant	0.567***	-0.458**	-0.898***	-1.658***
	(0.203)	(0.223)	(0.251)	(0.327)
PSU Fixed Effects	Yes	Yes	Yes	Yes
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,240

PSU = Primary sampling units. PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around primary sampling units (PSU) are in parentheses. *** $p < 0.01$, ** $p < 0.05$, * $p < 0.10$.

Table S14: Covid-19 Severity and Income Disparity's Effect on Food Insecurity (Logit Regressions)

(Subjective Measure of Covid-19 Severity Interacted with Income Quartiles)

Model #	Lack of Healthy Food [1]	Skipped a Meal [2]	Ran out of Food [3]	Went without food whole day [4]
HH affected by Covid-19 (Base: No)	1.658*** (0.318)	1.874*** (0.281)	1.681*** (0.317)	1.737*** (0.409)
Income Quartile (Base: 4)				
1st Quartile	1.076*** (0.135)	1.023*** (0.169)	0.850*** (0.199)	0.724** (0.303)
2nd Quartile	0.819*** (0.118)	0.673*** (0.170)	0.516*** (0.198)	0.684** (0.302)
3rd Quartile	0.568*** (0.110)	0.743*** (0.159)	0.598*** (0.189)	0.970*** (0.260)
Covid Severity (Yes) × Income Quartiles (Base: Quartile 4)				
Covid Severity × 1 st Quartile	0.856** (0.400)	-0.390 (0.310)	0.071 (0.340)	0.121 (0.424)
Covid Severity × 2 nd Quartile	0.772* (0.438)	-0.341 (0.323)	-0.377 (0.355)	-0.626 (0.444)
Covid Severity × 3 rd Quartile	0.733* (0.410)	-0.732** (0.303)	-0.552 (0.350)	-1.069*** (0.410)
Avg. Family Size	0.108*** (0.018)	-0.001 (0.018)	-0.006 (0.020)	-0.043* (0.025)
Average Age of HH Members	0.002 (0.004)	-0.001 (0.004)	0.001 (0.004)	0.004 (0.005)
Ln (HH Income)	-0.003 (0.011)	-0.059*** (0.016)	-0.083*** (0.019)	-0.126*** (0.030)
Received Social Assistance	0.853*** (0.113)	0.993*** (0.133)	0.952*** (0.156)	1.092*** (0.253)
Residence Type (Base: Personal Residence (Not self-hired))				
Personal Residence (Self hired)	0.631* (0.337)	0.258 (0.228)	0.094 (0.256)	0.380 (0.316)
On Rent	0.077 (0.154)	-0.215 (0.164)	-0.394** (0.194)	0.186 (0.237)
On Subsidized	-0.891*** (0.334)	-1.024* (0.578)	-0.329 (0.587)	0.435 (0.540)

Rent Free	-0.364*	-0.504**	-0.241	0.079
	(0.213)	(0.203)	(0.222)	(0.277)
No. of rooms in house	-0.267***	-0.211***	-0.203***	0.007
	(0.037)	(0.044)	(0.051)	(0.058)
Type of Cooking Fuel (Base: Gas)				
Firewood	0.056	-0.177	-0.057	0.028
	(0.156)	(0.145)	(0.161)	(0.212)
LPG + Kerosene Oil	-0.818***	-0.691***	-0.981***	-0.684**
	(0.183)	(0.209)	(0.230)	(0.275)
Electricity	-1.511**	0.189	0.101	-1.433
	(0.632)	(0.692)	(0.746)	(1.434)
Dung Cake	-0.588	-0.204	-0.173	0.414
	(0.416)	(0.278)	(0.244)	(0.302)
Crop Residue	-0.281	-0.180	0.152	-0.067
	(0.394)	(0.308)	(0.406)	(0.603)
Charcoal / Coal	1.715*	2.550***	2.813***	3.675***
	(0.952)	(0.740)	(0.721)	(0.871)
Others	-0.561	1.667**	1.342*	1.043
	(0.589)	(0.660)	(0.706)	(0.746)
Type of Light Fuel (Base: Electricity)				
Solar Energy	-0.054	-0.473*	-0.067	0.033
	(0.298)	(0.257)	(0.258)	(0.332)
Gas	-0.149	0.365	0.638	1.034*
	(0.458)	(0.536)	(0.491)	(0.621)
Kerosene/Oil/Diesel/Petrol	-0.511	0.733	0.424	0.150
	(1.192)	(0.549)	(0.713)	(1.008)
Firewood	-0.400	-0.362	0.269	0.102
	(0.570)	(0.465)	(0.307)	(0.556)
Candle	0.963*	1.329***	1.446***	-0.629
	(0.541)	(0.492)	(0.512)	(0.514)
Others	1.072	0.362	0.725**	1.189***
	(0.751)	(0.305)	(0.282)	(0.319)
Drinking Water Source (Base: Piped water)				
Hand Pump	-0.154	0.038	0.123	-0.415*
	(0.229)	(0.173)	(0.179)	(0.241)
Bore Hole / Tube Well	-0.070	0.247	0.488***	0.105
	(0.158)	(0.157)	(0.176)	(0.210)
Open Well	-0.819**	-0.230	0.086	-0.841*
	(0.351)	(0.377)	(0.449)	(0.487)
Closed Well	-0.296	0.484	0.195	-0.040

	(0.521)	(0.367)	(0.399)	(0.645)
Spring (protected)	1.059*	-1.593***	-2.180**	
	(0.560)	(0.400)	(1.066)	
Spring (unprotected)	-0.518	-0.783	-0.515	-0.674
	(0.499)	(0.556)	(0.540)	(0.459)
Pond/Canal/River/Stream	-0.230	-0.828**	-0.624	-0.798
	(0.295)	(0.391)	(0.432)	(0.536)
Bottled Water	-0.433	-1.175***	-1.278***	-2.450***
	(0.266)	(0.298)	(0.332)	(0.733)
Tanker / Truck / Water Bearer	-0.506**	-0.707***	-0.192	-0.434
	(0.213)	(0.222)	(0.236)	(0.305)
Filtration Plant	-0.308*	-0.156	-0.323	-0.258
	(0.167)	(0.189)	(0.215)	(0.282)
Others	-0.578	-0.472	-0.651	-0.794*
	(0.904)	(0.521)	(0.463)	(0.433)
Internet Connection (Base: No)	-0.681***	-0.850***	-1.151***	-1.365***
	(0.115)	(0.138)	(0.164)	(0.250)
Own Computer (Base: No)	-0.472***	-0.288	-0.292	-0.414
	(0.139)	(0.176)	(0.229)	(0.298)
Own Agriculture Land (Base: No)	-0.543***	-0.542***	-0.853***	-0.480**
	(0.152)	(0.174)	(0.202)	(0.229)
Own Residential/Commercial Plot (Base: No)	-0.335*	0.061	-0.350	0.149
	(0.189)	(0.247)	(0.316)	(0.370)
Own House (Base: Yes)	0.562***	0.796***	0.736***	0.082
	(0.148)	(0.156)	(0.183)	(0.232)
Own Generator (Base: Yes)	-0.125	-0.276	-0.054	-0.412
	(0.337)	(0.323)	(0.404)	(0.522)
Constant	-0.406*	-1.408***	-1.707***	-2.580***
	(0.236)	(0.272)	(0.311)	(0.433)
Controls	Yes	Yes	Yes	Yes
Observations	5,411	5,382	5,289	5,240

PSU represents either a rural or urban area from which households are randomly selected for survey. In total, there are 500 PSUs in data, 349 PSUs were urban while 151 were rural areas. Robust standard errors clustered around PSUs are in parentheses. *** p<0.01, **p<0.05, *p<0.10. PSU = Primary sampling units.