

Food inflation and food insecurity in the CAREC region: Evidence from ADBI household survey

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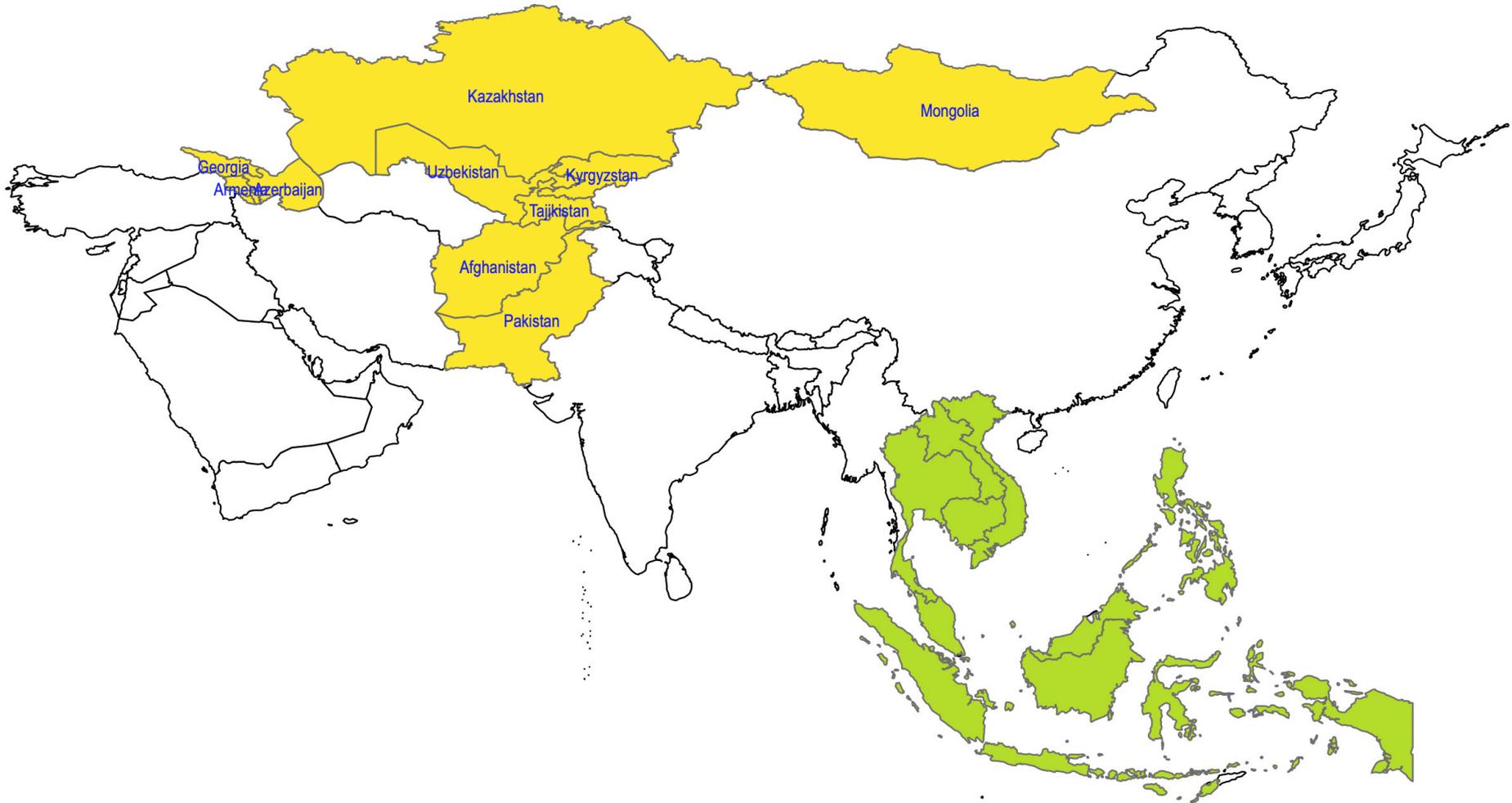
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ADBI household survey in CAREC region

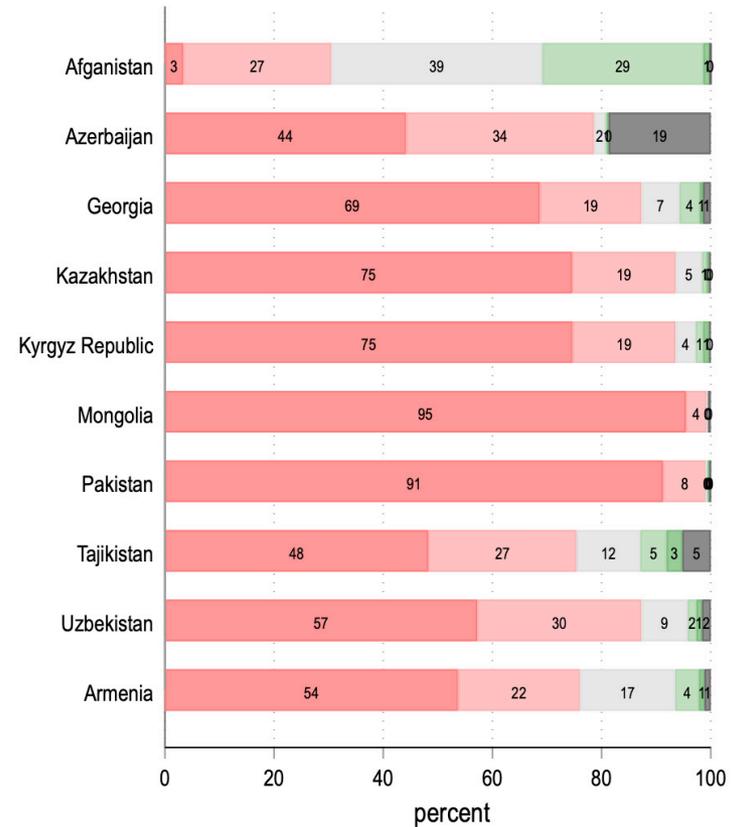
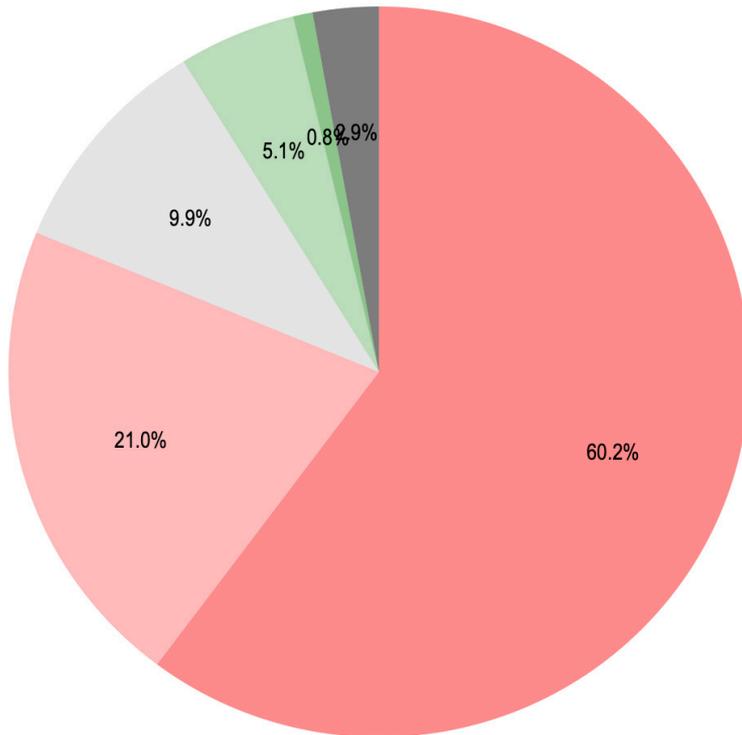
- Wave I & II: COVID-19 pandemic impacts on household e.g., socioeconomic status, employment, family business (if any), financial conditions, household expenditure, child education
- Wave III: inflation impacts on household; recovery from the pandemic
- Sample: Representative samples of 1,000+ households from each country
- Survey waves
 - Wave I & II: 2021 and 2022 survey in 10 CAREC countries (excluding PRC)
 - Wave III: 2023 survey in 9 CAREC countries + Armenia (excluding PRC and Turkmenistan)
- Details of previous survey:
Azhgaliyeva et al. (2022a) and Morgan and Trinh (2021)

Map of study sites, wave III survey



How do you think prices have changed compared with one year ago?

CAREC + Armenia



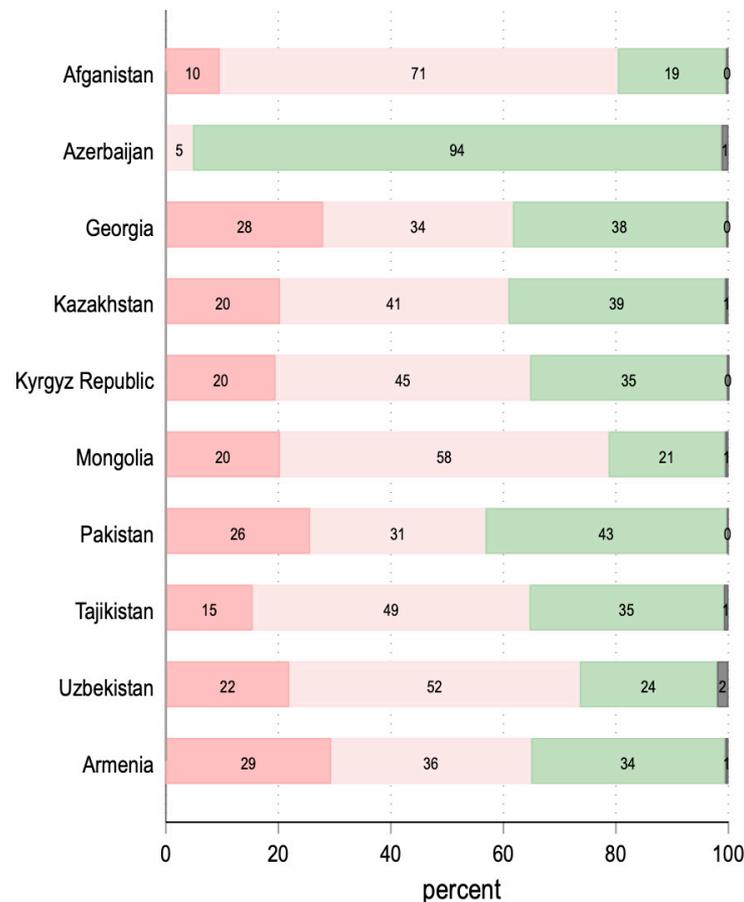
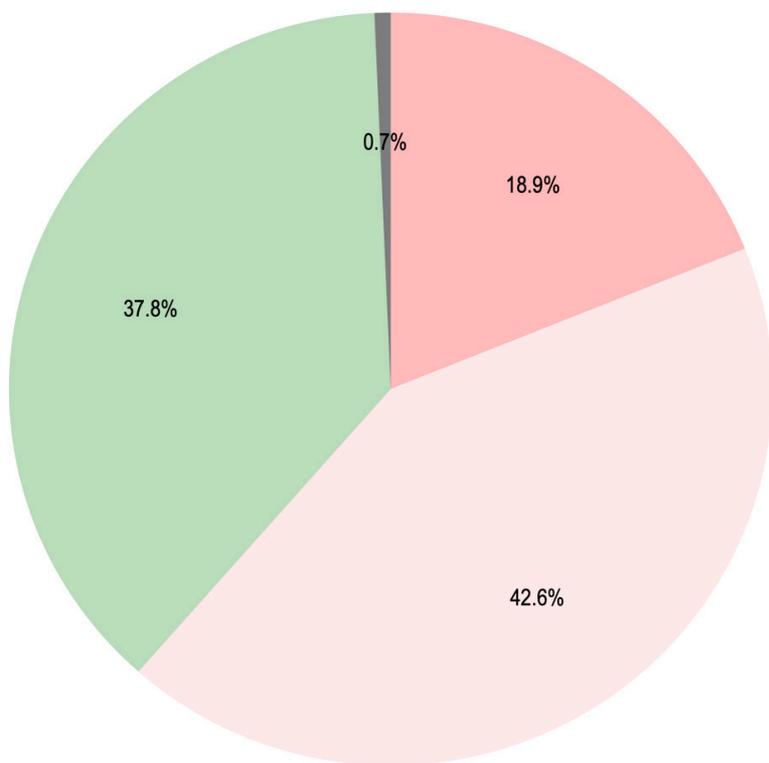
- Gone up significantly
- Gone up slightly
- Remained almost unchanged
- Gone down slightly
- Gone down significantly
- Refuse to answer

If increase, by what percent do you think prices have changed compared with one year ago?

	Overall	Cereals	Vegetables/ fruit	Meat/ fish
All	44.10	38.06	36.42	37.50
Afghanistan	30.78	13.33	13.59	12.84
Azerbaijan	54.59	63.86	66.85	62.65
Georgia	39.88	24.05	22.27	34.19
Kazakhstan	39.00	30.37	31.48	36.59
Kyrgyz Repub	45.75	43.01	40.10	34.91
Mongolia	53.07	48.78	51.28	37.97
Pakistan	70.86	65.06	59.87	59.54
Tajikistan	32.57	28.14	28.44	25.88
Uzbekistan	26.78	25.88	25.88	18.54
Armenia	30.16	15.00	13.12	17.53

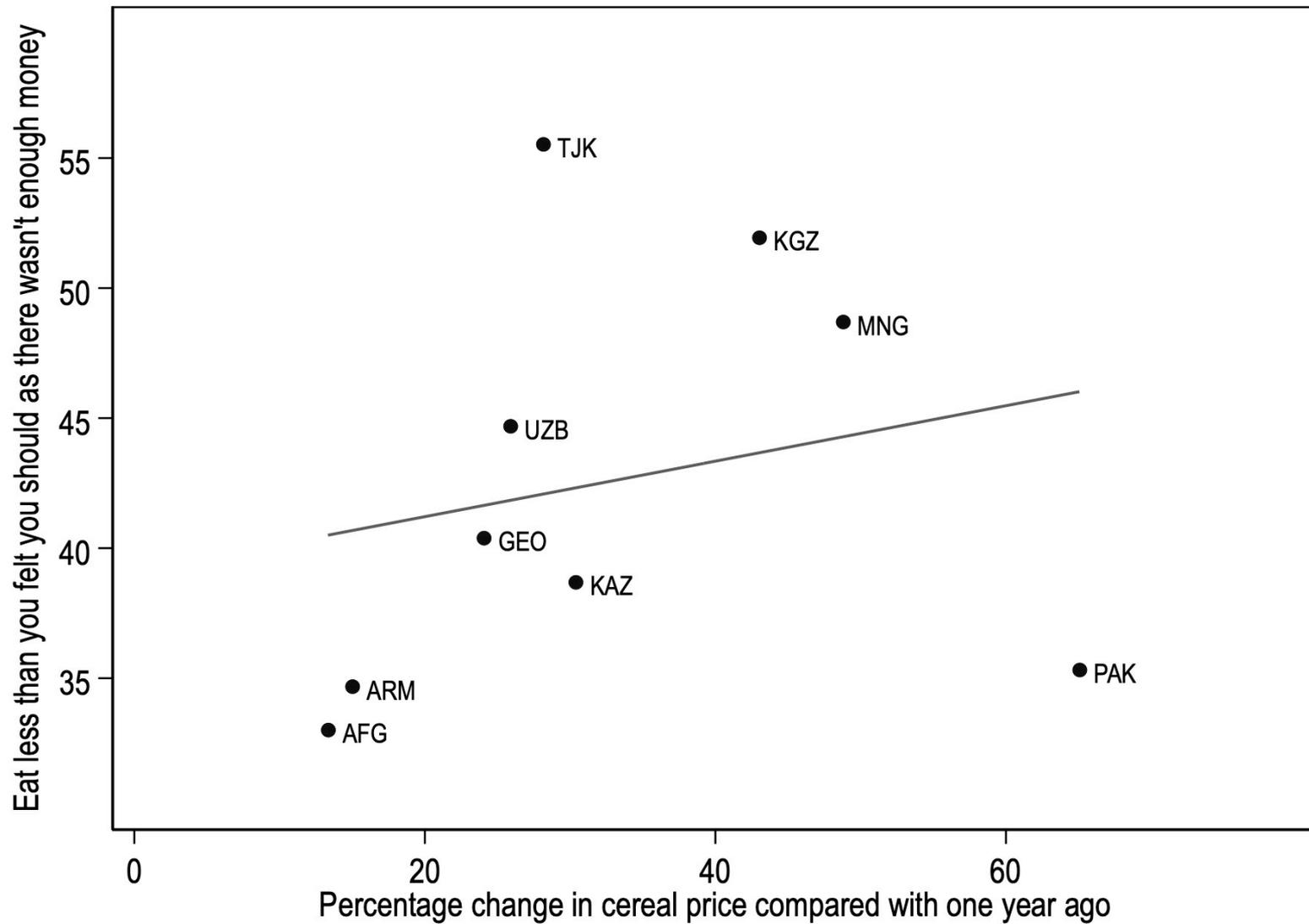
In 2023, how often, if ever, you did not have enough money to buy the necessary food?

CAREC + Armenia

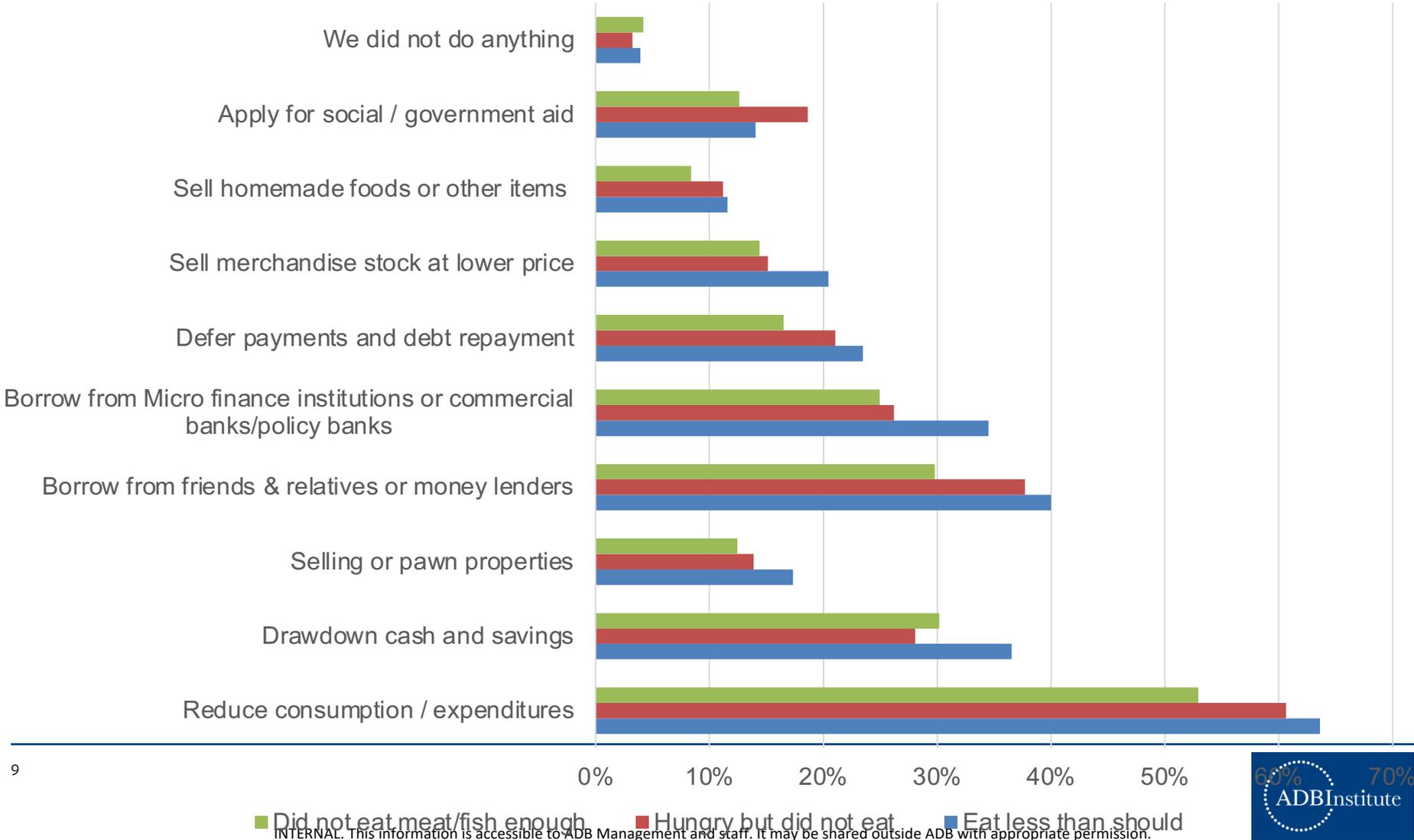


Often Sometimes Never Refuse to answer

Food inflation vs. food insecurity



What actions from below have your family taken to overcome inflation in 2023 (by groups)?



Household level analysis

Table. Correlates of food insecurity, linear probability model.

Outcome	Eat less than you should (Mean: 0.38)	Hungry but did not eat enough (Mean: 0.15)	Did not eat meat/ fish as often as you want (Mean: 0.37)
<u>Change in price (ref: no change)</u>			
Gone up significantly	0.082***	0.034*	0.079***
Gone up slightly	-0.033	-0.049***	-0.027
Gone down slightly	-0.103***	-0.067***	0.046
Gone down significantly	-0.018	0.039	-0.058
<u>Change in income (ref: no change)</u>			
Increased > 50%	-0.119***	-0.061*	-0.131***
Increased 26 to 50%	-0.148***	-0.081***	-0.146***
Increased 1 to 25%	-0.101***	-0.069***	-0.085***
Decreased 1 to 25%	-0.002	-0.038**	0.100***
Decreased 26 to 50%	0.170***	0.136***	0.096***
Decreased 51 to 75%	0.285***	0.270***	0.183***
Decreased > 75%	0.162***	0.173***	0.080
Female household head	0.083***	0.018	0.053***
Employed	-0.099***	-0.046***	-0.042**
Self employed	-0.140***	-0.057***	-0.076***
With child(ren)	0.006	-0.012	0.027**
Rural area	0.008	0.007	0.009
Constant	0.290***	0.302***	0.655***
Country & Age group FE	Yes	Yes	Yes
Observations	6058	6058	6058

Thank You!

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