

Being on the Frontline? Immigrant Workers in Europe and the COVID-19 Pandemic

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Jacopo Mazza, 12 May

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- Extra vulnerability: Legal status tied to employment

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- Identifies who, where and how many migrant workers are at risk of unemployment in Europe
- Overcomes the lack of harmonized microdata
- Can be used for forecasting

Measuring Employment Risk

The Four Dimensions of Vulnerability

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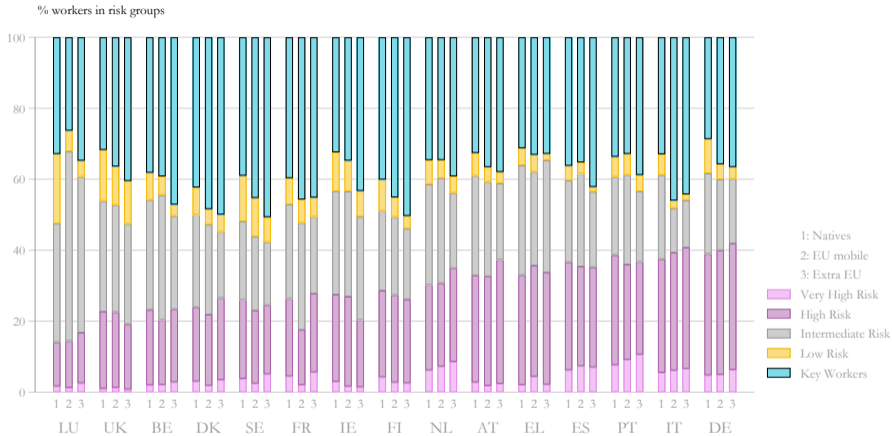
4. Resilient Industry ▶ Industry resilience

The Four Dimensions of Vulnerability

Job Characteristic:						
Permanent Contract	✓	✓	✓		✓	
Teleworkable Occupation	✓	✓		✓		✓
Resilient Industry	✓		✓	✓		✓
Risk category:	Low	Moderate			High	V. High

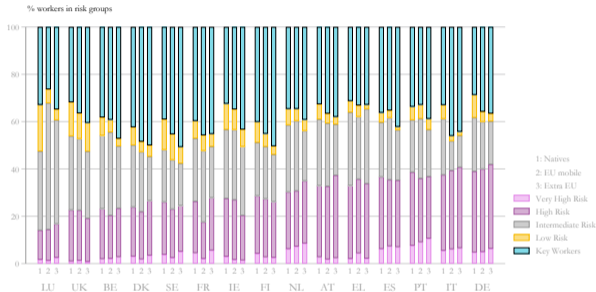
Workers at High Risk

Migrant Workers: Frequently at Risk



► Share of workers per dimension

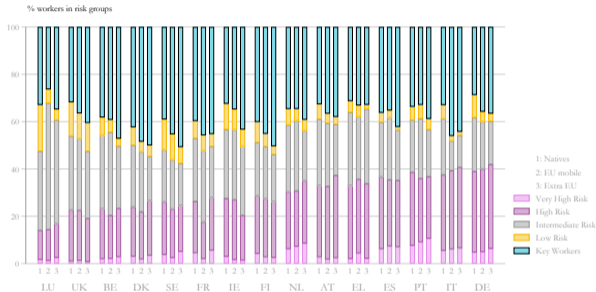
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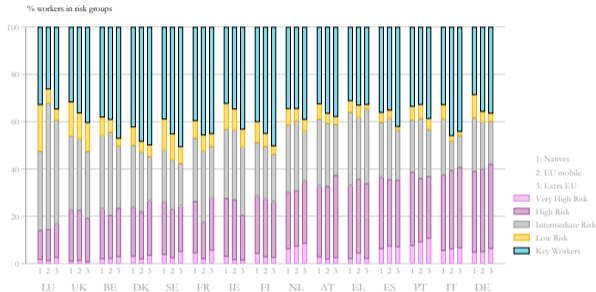
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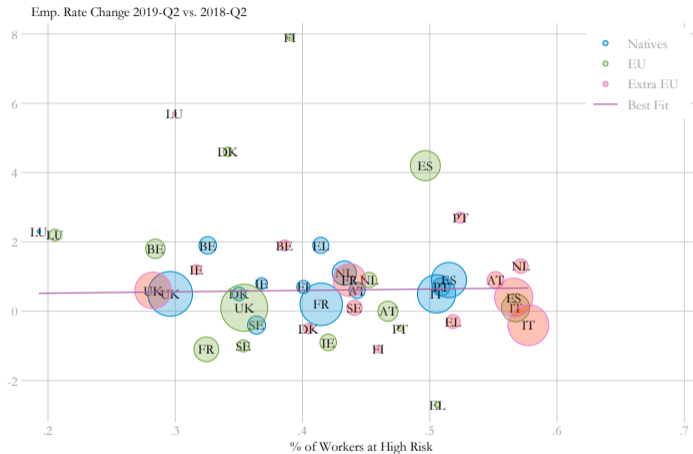


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- Risk is high for workers in Italy, Spain and Germany

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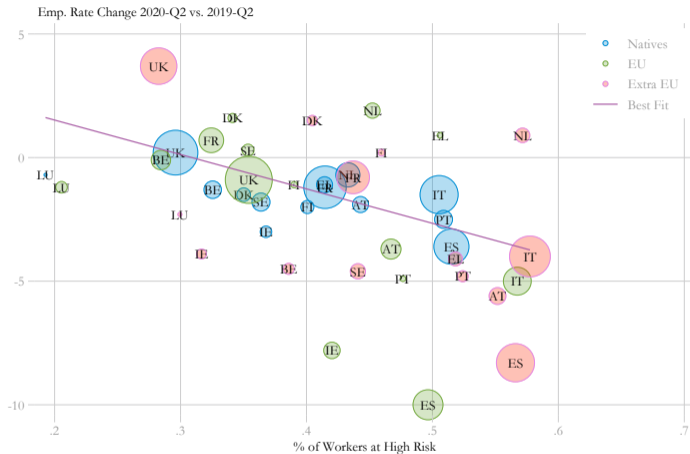
How Good Is This Measure?

Risk Measure Predicts Empl. Changes



► Effect of risk on realized losses

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How Much More at Risk?

High Risk for All Extra EU and Native Women

	(1)	(2)	(3)	(4)
EU mobile	0.037***	-0.001	0.044***	0.005
Extra EU	0.057***	0.022***	0.059***	0.025***
Female	-0.051***	0.014***	-0.049***	0.015***
Female × EU mobile			-0.059***	-0.008
Female × Extra EU			-0.085***	-0.007
Occupation FE		✓		✓
Industry FE		✓		✓

► Workers at risk by region

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- Migrant non key workers are frequently employed with temporary contracts and can't telework
- Migrants and women work in safer occupations/industries, but within occupation/industries are more at risk
- Native women are loosing jobs at higher rate than equally exposed men
- More than **9 million** migrants are at high risk of unemployment

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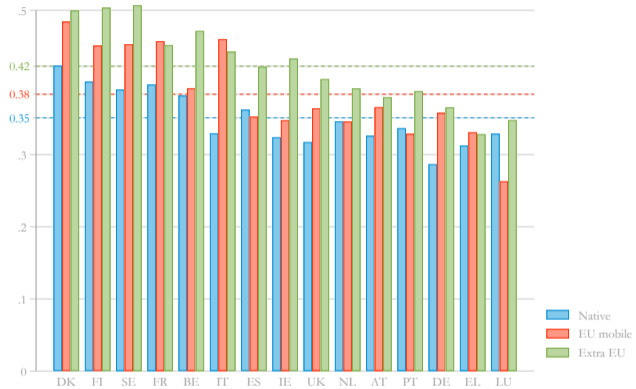
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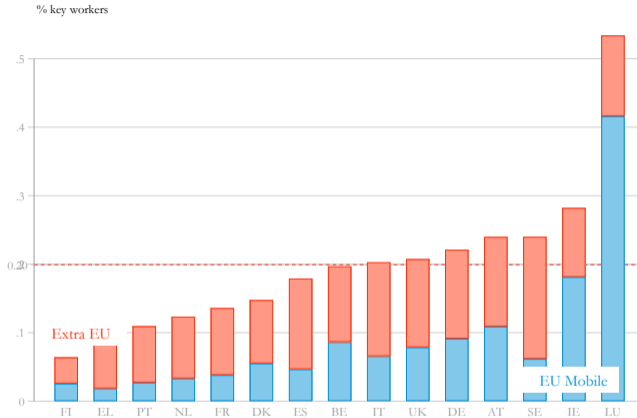
Appendix

% key workers



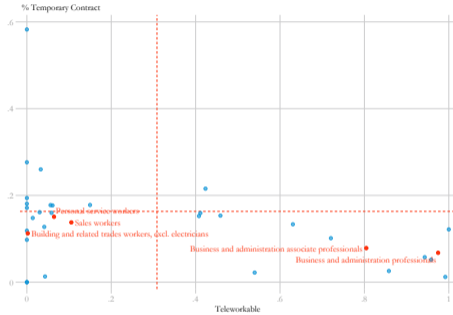
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Migrants Among Key Workers, by Country



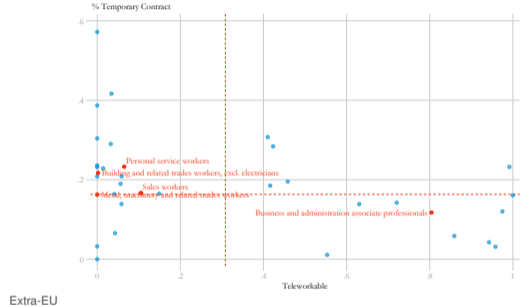
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Migrants: Highly Temporary, Little Telework

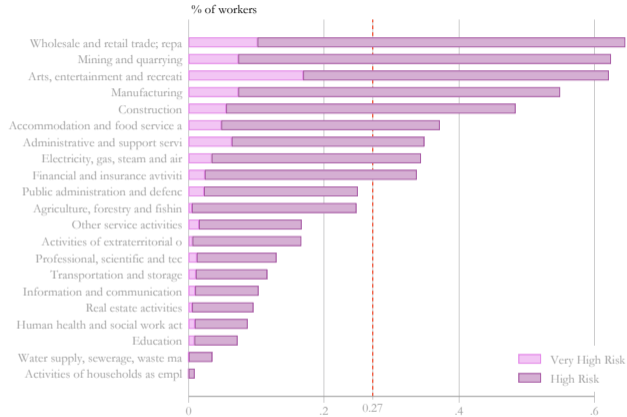


EU Mobile

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Industry Resilience



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Workers for Component of Exposure Measure

	Key Workers	Temp. Contracts	High Resilience	Teleworkable
AT	.37	.09	.39	.36
BE	.42	.09	.53	.41
DE	.32	.13	.26	.36
DK	.45	.11	.51	.42
ES	.40	.26	.50	.32
FI	.43	.17	.50	.40
FR	.43	.17	.46	.38
EL	.44	.11	.51	.33
IE	.37	.10	.49	.39
IT	.39	.17	.42	.34
LU	.32	.10	.49	.52
NL	.38	.21	.43	.41
PT	.36	.22	.42	.34
SE	.42	.16	.51	.44
UK	.36	.05	.55	.44
Total	.39	.14	.47	.39

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Same Risk, More Unempl. For Native Women

% of Workers at High Risk	-13.918*** (2.934)	-13.811*** (3.075)	-12.611*** (2.311)	-12.546*** (2.428)
EU mobile		-1.601 (1.113)		-1.664 (1.251)
Extra EU		-0.543 (1.333)		-0.196 (1.235)
Females		-1.325*** (0.268)		-1.287*** (0.269)
EU mobile × Female				0.035 (1.803)
Extra EU × Female				-0.658 (1.958)

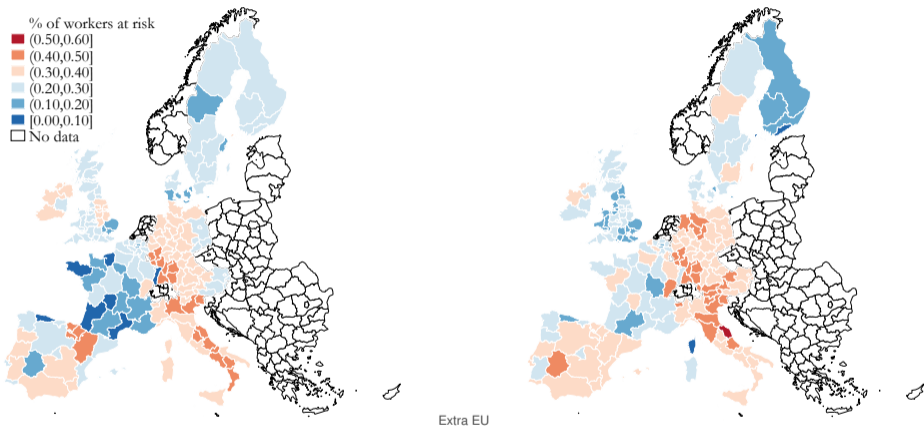
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Workers at Risk, by NUTS 2 Regions



EU Mobile

Extra EU

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