

# The association between fear of pandemic COVID-19 and achievement motivation in university students. The mediating role of stress coping.

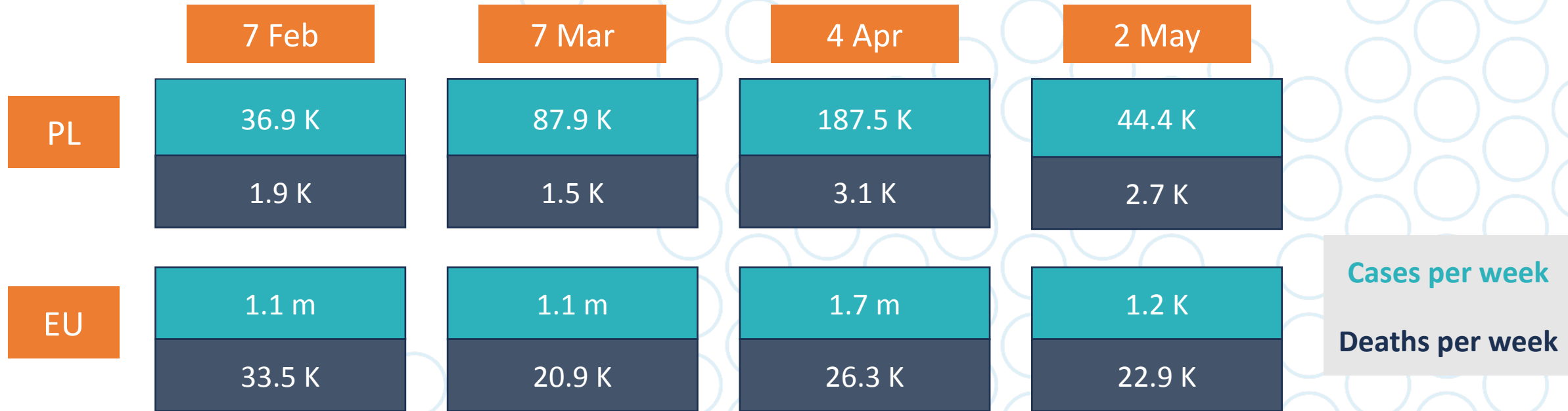
Boczoń Radosław, Romuald Derbis, University of Opole



First Annual FORTHM conference  
**FORTHM – For the Future**  
*March 6-8, 2024*

# Covid 19 in numbers

## Comparison of weekly covid-19 cases and deaths in 2021 in Poland and European Union



Sources: WHO Coronavirus (COVID-19) dashboard > Cases[Dashboard], World Health Organisation, 2023 (<https://data.who.int/dashboards/covid19/cases>)  
WHO Coronavirus (COVID-19) dashboard > Deaths[Dashboard], World Health Organisation, 2023 (<https://data.who.int/dashboards/covid19/deaths>)

# Covid challenges for education

Reduction in peer contact

Increase in amount of distractions

Non specific studying environment

Increase in exam cheating opportunity

Technological problems (both teachers and students)



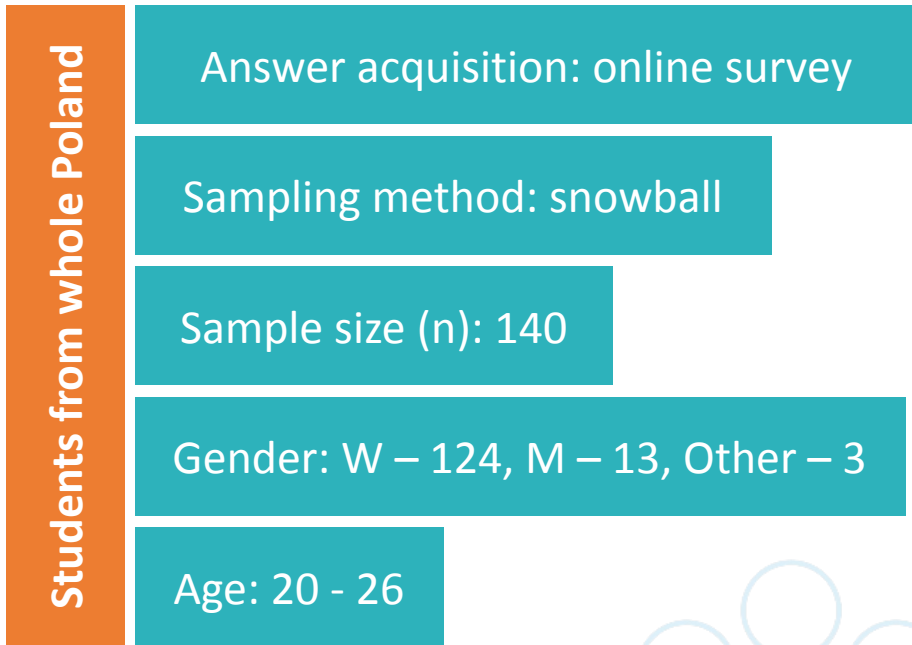
**forthem.**

Fostering Outreach  
within European Regions,  
Transnational Higher Education  
and Mobility

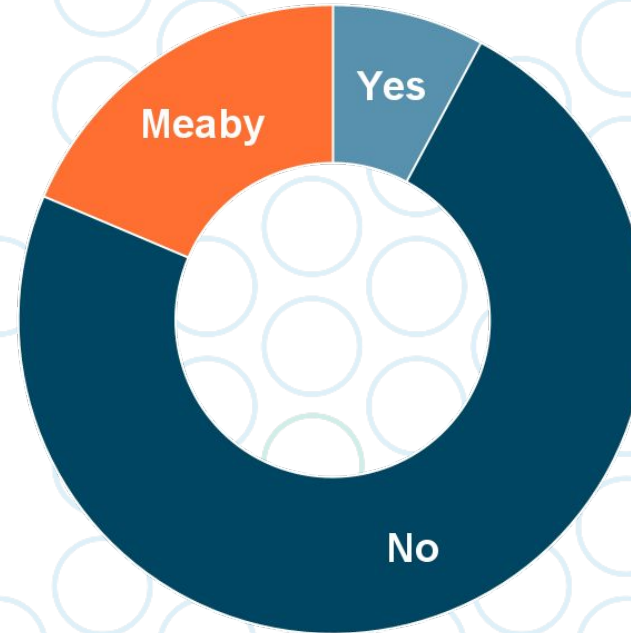
First Annual FORTHM conference  
**FORTHM – For the Future**

*March 6-8, 2024*

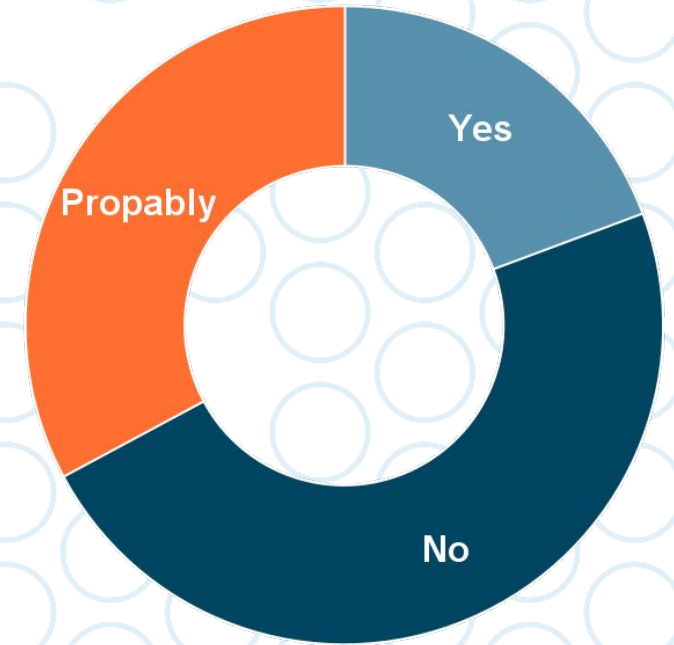
# Research sample



Planning to vaccinate



Already contracted the virus



**forthem.**

Fostering Outreach  
within European Regions,  
Transnational Higher Education  
and Mobility

First Annual FORTHEM conference  
**FORTHEM – For the Future**

March 6-8, 2024

# Kwestionariusz Postaw wobec Koronawirusa (KPK)



Mean: 40	
Skew: -1.21	Kurt: 1.23
Shapiro–Wilk W: 0.883	
Shapiro–Wilk P: < 0.001	



Mean: 20.4	
Skew: -1.88	Kurt: -0.647
Shapiro–Wilk W: 0.974	
Shapiro–Wilk P: 0.009	



Mean: 26.4	
Skew: -1.89	Kurt: 4.72
Shapiro–Wilk W: 0.790	
Shapiro–Wilk P: < 0.001	

*Dymecka, J., (2020), The Fear of COVID-19 Scale; Department of Psychology, University of Opole: Opole, Poland*

*Krok, D., (2020), The Risk of Contracting COVID-19 and the Perceived Threat of COVID-19 Scales; Department of Psychology, University of Opole: Opole, Poland*



**forthem.**

Fostering Outreach  
within European Regions,  
Transnational Higher Education  
and Mobility

First Annual FORTHEM conference  
**FORTHEM – For the Future**

March 6-8, 2024

# Achievement Goal Questionnaire (AGQ-R)

AGQ-R-M-AP

3

Mastery Approach

1 – 7

Mean: 15

Skew: -0.5   Kurt: -0.32

Shapiro–Wilk W: 0.963

Shapiro–Wilk P: < 0.001

AGQ-R-M-AV

3

Mastery Avoidance

1 – 7

Mean: 15.3

Skew: -0.49   Kurt: -0.04

Shapiro–Wilk W: 0.956

Shapiro–Wilk P: < 0.001

AGQ-R-A-AP

3

Achievement Approach

1 – 7

Mean: 14.4

Skew: -0.29   Kurt: -0.26

Shapiro–Wilk W: 0.971

Shapiro–Wilk P: 0.004

AGQ-R-A-AV

3

Achievement Avoidance

1 – 7

Mean: 15.3

Skew: -0.48   Kurt: -0.12

Shapiro–Wilk W: 0.962

Shapiro–Wilk P: < 0.001

Elliot, A. J. (1999). Approach and avoidance motivation and achievement goals. *Educational psychologist*, 34(3), 169-189.

Wojdyło, K., Retowski, S. (2012). Kwestionariusz Celów związanych z osiągnięciami (KCO) – konstrukcja i charakterystyka psychometryczna. *Przegląd psychologiczny*, 55, 1, 9-28.



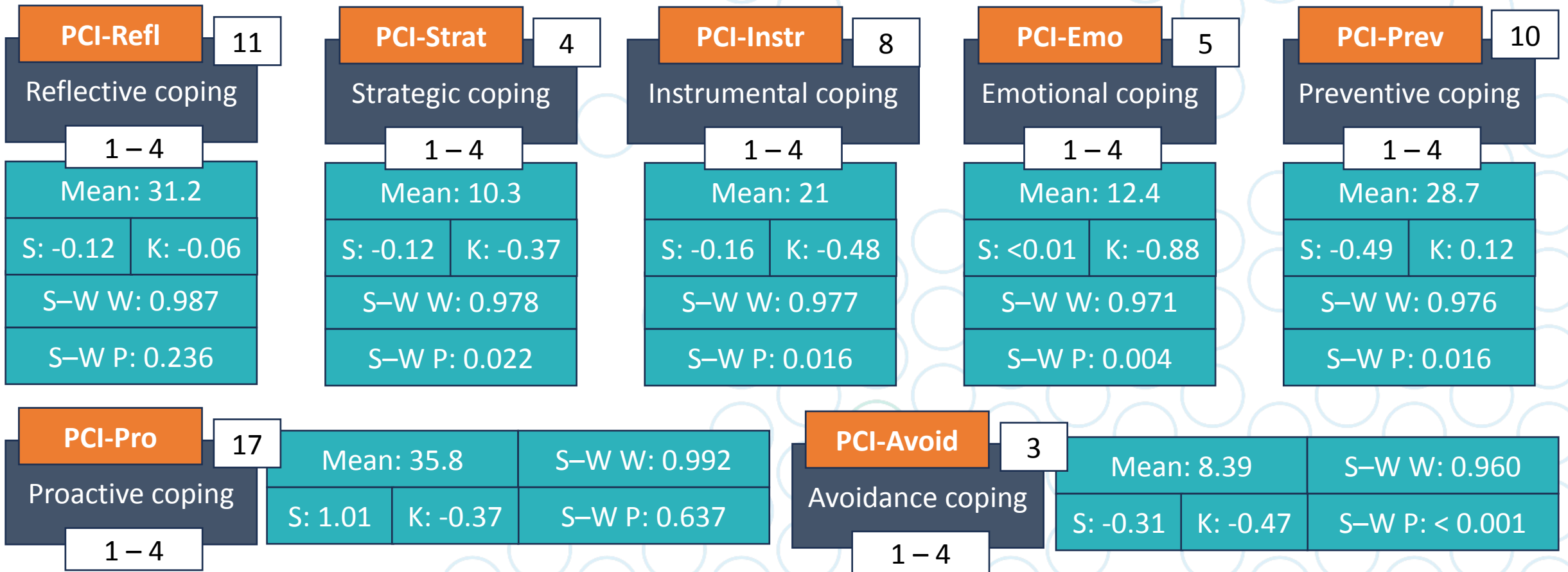
**forthem.**

Fostering Outreach  
within European Regions,  
Transnational Higher Education  
and Mobility

First Annual FORTHEM conference  
**FORTHEM – For the Future**

March 6-8, 2024

# Proactive Coping Inventory (PCI)



Greenglass, E., Schwarzer, R., Jakubiec, D., Fiksenbaum, L., & Taubert, S. (1999, July). The proactive coping inventory (PCI): A multidimensional research instrument. In 20th International Conference of the Stress and Anxiety Research Society (STAR), Cracow, Poland (Vol. 12, p. 14).

[13] Pasikowski, T., Sęk, H., Greenglass, E., Taubert, S. (2002). The proactive coping inventory – Polish adaptation. Polish Psychological Bulletin, 33, 1, 41-46.



First Annual FORTHEM conference  
**FORTHEM – For the Future**  
 March 6-8, 2024

Pearson's r correlation table for KPK, PCI and AGR-R variables.

	KPK-Risk	KPK-Threat	AGQ-R-M-AP	AGQ-R-M-AV	AGQ-R-A-AP	AGQ-R-A-AV
AGQ-R-M-AP	0.029	0.096	—			
AGQ-R-M-AV	0.138	0.074	<b>0.443 ***</b>	—		
AGQ-R-A-AP	-0.056	-0.076	<b>0.614 ***</b>	<b>0.641 ***</b>	—	
AGQ-R-A-AV	0.036	0.084	<b>0.636 ***</b>	<b>0.482 ***</b>	<b>0.522 ***</b>	—
PCI-Prev	0.055	0.016	<b>0.451 ***</b>	<b>0.222 **</b>	<b>0.290 ***</b>	<b>0.368 ***</b>
PCI-Refl	-0.003	0.051	<b>0.320 ***</b>	0.129	<b>0.240 **</b>	<b>0.276 ***</b>
PCI-Strat	<b>-0.176 *</b>	<b>-0.171 *</b>	<b>0.360 ***</b>	<b>0.233 **</b>	<b>0.301 ***</b>	<b>0.244 **</b>
PCI-Pro	-0.153	-0.128	<b>0.443 ***</b>	0.115	<b>0.305 ***</b>	<b>0.256 **</b>
PCI-Avoid	0.081	0.144	<b>-0.247 **</b>	-0.082	-0.148	-0.054

Note. Variables without significant correlations were excluded from the table.

\* p < .05, \*\* p < .01, \*\*\* p < .001



**forthem.**

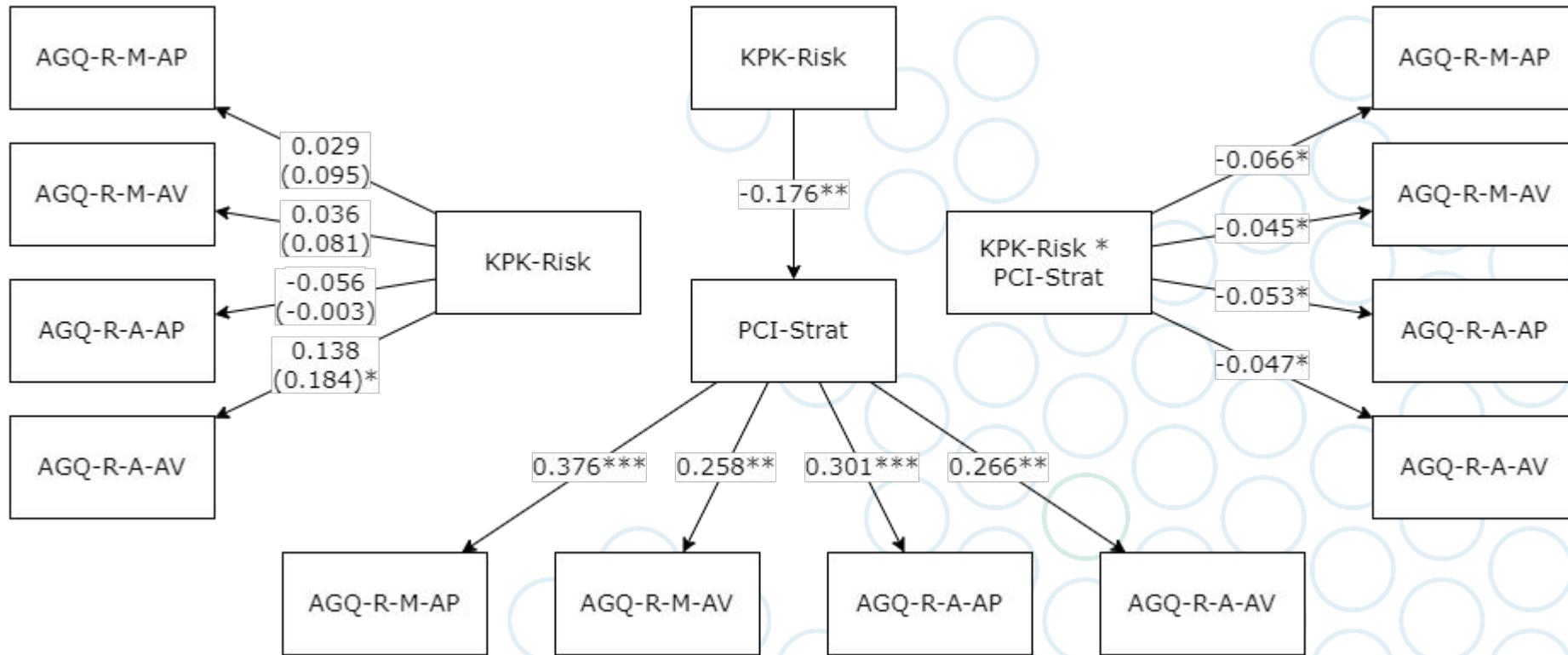
Fostering Outreach  
within European Regions,  
Transnational Higher Education  
and Mobility

First Annual FORTHEM conference  
**FORTHEM – For the Future**

March 6-8, 2024

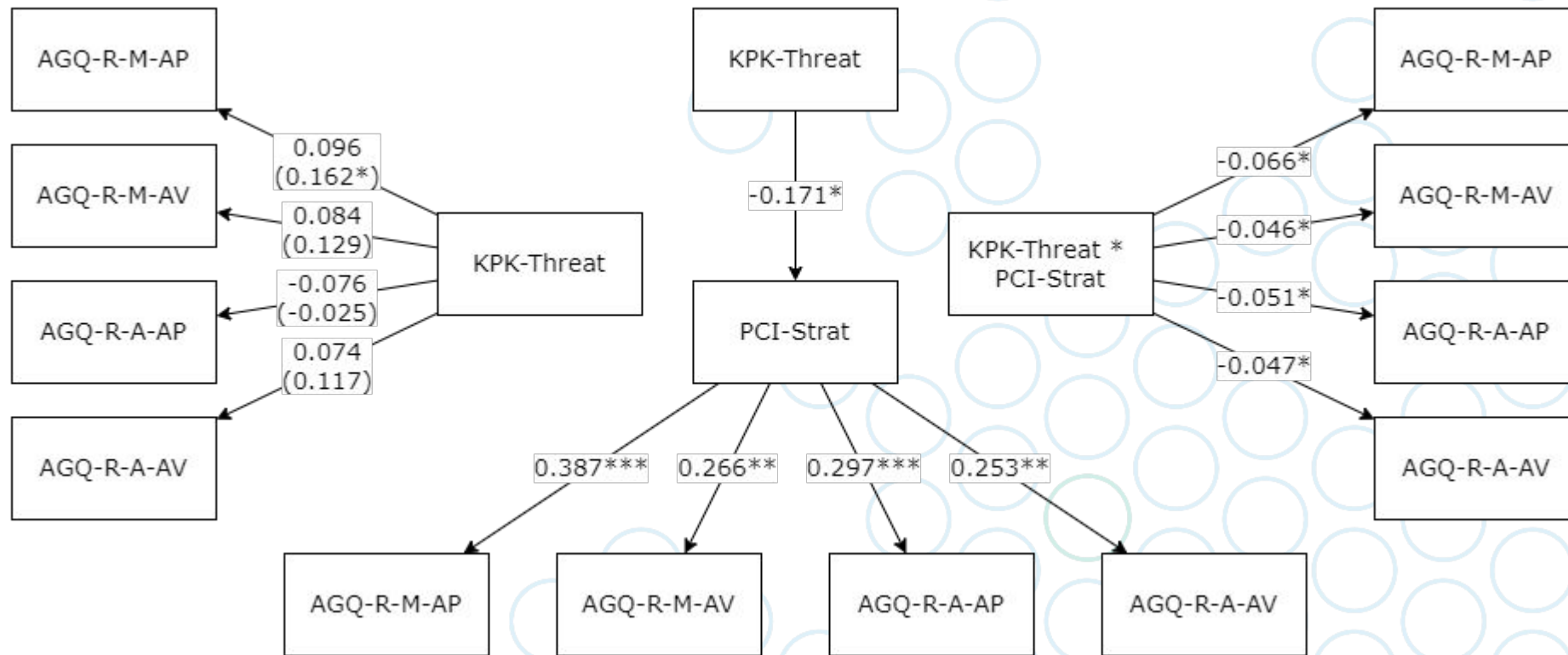


# First mediation model



Note. On the left direct and (total)  $\beta$ , on the right indirect effect results  
 \*  $p < .05$ , \*\*  $p < .01$ , \*\*\*  $p < .001$

# Second mediation model



Note. On the left direct and (total)  $\beta$ , on the right indirect effect results  
 $^* p < .05$ ,  $^{**} p < .01$ ,  $^{***} p < .001$



**forthem.**

Fostering Outreach  
 within European Regions,  
 Transnational Higher Education  
 and Mobility

First Annual FORTHEM conference  
**FORTHEM - For the Future**

March 6-8, 2024

# Conclusions

- Pandemic perception was not directly associated with goal motivation styles.
- People who percept pandemic as less of a threat prefer strategic coping which can counteract the influence of the pandemic stress.
- Coping strategies were significantly correlated with certain goal motivation styles.
- Most of the selected coping strategies, were not related with perception of Covid-19, which points out to feeling lack of control when faced with pandemic.

**Thank you for your  
attention !**



**forthem.**

Fostering Outreach  
within European Regions,  
Transnational Higher Education  
and Mobility

First Annual FORTHM conference  
**FORTHM – For the Future**

*March 6-8, 2024*