

**Determinants of physician attitudes towards the new selective measles vaccine mandate
in Germany**

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Supplementary Table 1

Mediation analyses: Effect of occupational group (X) on attitude towards mandates (Y) via expected consequences (M).

Mediator variable model (outcome: expected consequences)				
Predictor	<i>B</i>	SE	95% CI	<i>p</i>
Constant	2.30	0.33	(1.66-2.95)	
Occupational group	0.50	0.07	(0.39-0.61)	<.001
Dependent variable model (outcome: attitude towards mandates)				
Model summary: R ² = 0.29				
Predictor	<i>B</i>	SE	95% CI	<i>p</i>
Constant	1.10	0.30	(0.52-1.69)	
Occupational group	0.07	0.05	(-0.03-0.17)	.19
expected consequences	0.25	0.02	(0.21-0.29)	<.001
Indirect effect of X on Y via expected consequences				
Mediator	<i>B</i>		95% Quasi-Bayesian CI	<i>p</i>
expected consequences	0.13		(0.09-0.16)	<.001

n = 1,974

Occupational groups: 0 = pediatrician, 1 = other physicians. attitude towards mandates: mean score consisting of four items (Cronbach's alpha = .88) expressing negative attitude (score = 1) to positive attitude (score = 5). Expected consequence of the mandate: item 'I expect more children to be vaccinated on time' (1=disagree; 5=strongly agree). 95% CI: 95% confidence interval with lower and upper border. β coefficients are adjusted for sociodemographic characteristics, communication self-efficacy, patient clientele and 5C psychological determinants.

Supplementary Table 2

Sociodemographic characteristics of the study population and of physicians in Germany^a

Variable	Level	Pediatrician		GP		Gynecologist		Internist	
		Study population	in Germany	Study population	in Germany	Study population	in Germany	Study population	in Germany
n		376	7,832	1,178	34,554	259	12,611	416	28,732
Gender: n (%)	Male	173 (48.2)	3,493 (44.6)	512 (46.0)	17,908 (51.8)	63 (25.6)	3,992 (31.7)	221 (55.1)	18,403 (64.1)
	Female	186 (51.8)	4,339 (55.4)	601 (54.0)	16,646 (48.2)	183 (74.4)	8,619 (68.3)	180 (44.9)	10,329 (35.9)
Region: n (%)	Western	283 (80.2)	6,193 (79.1)	895 (81.4)	27,837 (80.6)	184 (75.7)	10,090 (80.0)	321 (80.2)	22,576 (78.6)
	Eastern	70 (19.8)	1,639 (20.9)	205 (18.6)	6,717 (19.4)	59 (24.3)	2,521 (20.0)	79 (19.8)	6,156 (21.4)

^a Statistical Information from the Federal Registry of Physicians, 2019