



national survey results the perception and value of science an research

March 24th 2021





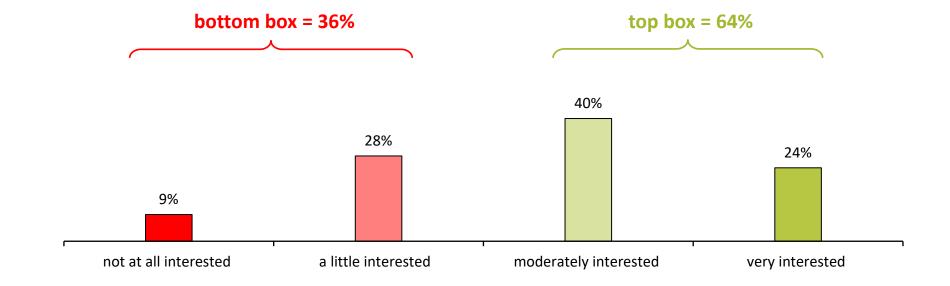
context of the survey

- The « FNR », implements barometric surveys on the perception and the value attributed to scientific research by the general public.
- The objective of the survey is to monitor over time the evolution of the perception and the value attributed toy science and research
- While the questionnaire has slightly evolved over time some fundamental questions and surveyed attributes stayed unchanged.
- In this report we will show evolutions since 2013 throughout 4 editions of the survey.
- Since 2017. the collection of data is done through a **combination of 2 methods**
 - the cawi method (computer aided web interviews through our panel Question.lu) (+/- 70 % of respondents)
 - the cati method (computer aided telephone interviews with public landline numbers) (+/- 30 % of respondents)
- In total we interviewed a sample of **600 respondents representative of the population.**
- The sample is representative based upon gender quotas, four age quotas and two nationality quotas.
- For your reading comfort we do not show decimals.
- The sum of the graphical totals will not always be exactly 100%

Total	100%	600
gender (quotas)		
male	50%	300
female	50%	300
age (quotas)		
15-29 years	23%	136
30-44 years	28%	166
45-59 years	26%	155
60 years or more	24%	143
new nationality segments (quotas)		
Luxembourg nationality	53%	318
other nationality	47%	282
education level		
primary education +3 years	13%	75
technical / secondary education	32%	191
post-secondary / university education	52%	311
refusal	4%	23
professional segments		
self-employed	7%	41
public-sector employee	27%	159
private sector employee	31%	188
without paid occupation	24%	141
student	10%	61
refusal	2%	10

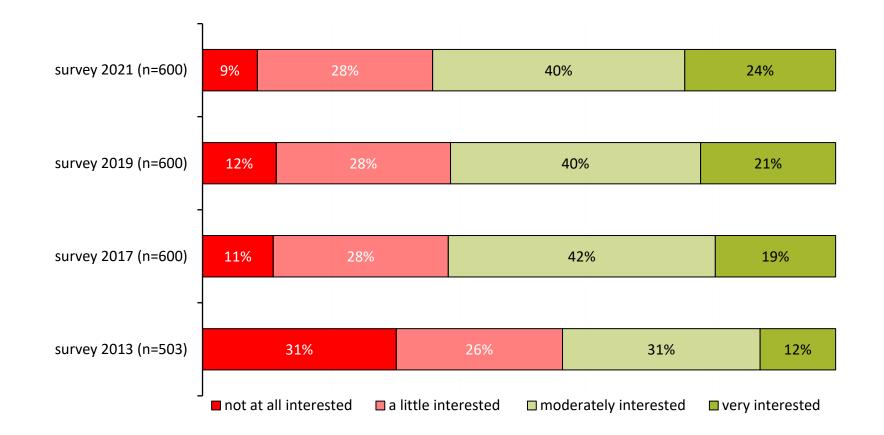
















Total (n=600)	9%	28%			40%		24%	
]							
male (n=300)	7%	26%		41	%		26%	
female (n=300)	10%	29%			39%		22%	6
	1							
15-29 years (n=136)	7%	29%			42%		22%	/ D
30-44 years (n=166)	11%	25%			43%		22%	6
45-59 years (n=155)	10%	30%			35%		25%	
years or more (n=143)	6%	28%		409	%		27%	
	1							
irg nationality (n=318)	5%	24%		45%			27%	
se nationality (n=104)	20%		35%			35%		11%
er nationality (n=178)	9%	30%			34%		26%	
	1							
cation +3 years (n=75)	23	%		43%		2	27%	8%
ary education (n=191)	8%	28%			45%		19	%
sity education (n=311)	5%	24%		40%			31%	
	1							
self-employed (n=41)	7%	20%		37%			37%	
tor employee (n=159)	8%	26%		42	2%		25%	
tor employee (n=188)	12%	30%	6		38%		219	%
id occupation (n=141)	5%	32%		3	88%		26%	
student (n=61)	10%	23%		4	16%		21%	6
	not at a	ll interested	🗖 a little int	erested 🗖 n	noderately in	nterested	🗖 very inte	erested

60 years Luxembourg nat Portuguese nat

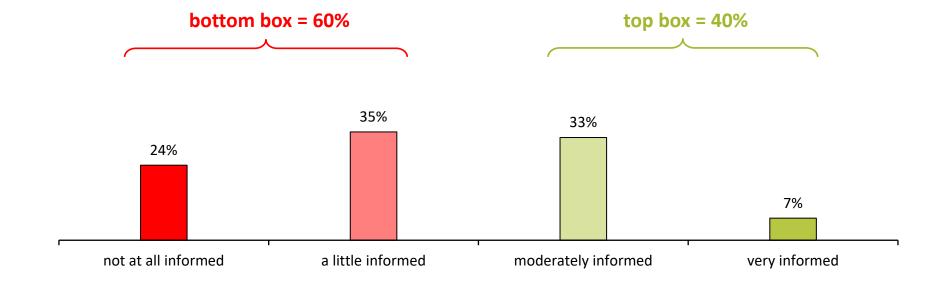
other nat

primary education technical / secondary edu post-secondary / university ed

> self-e public-sector en private sector en without paid occ

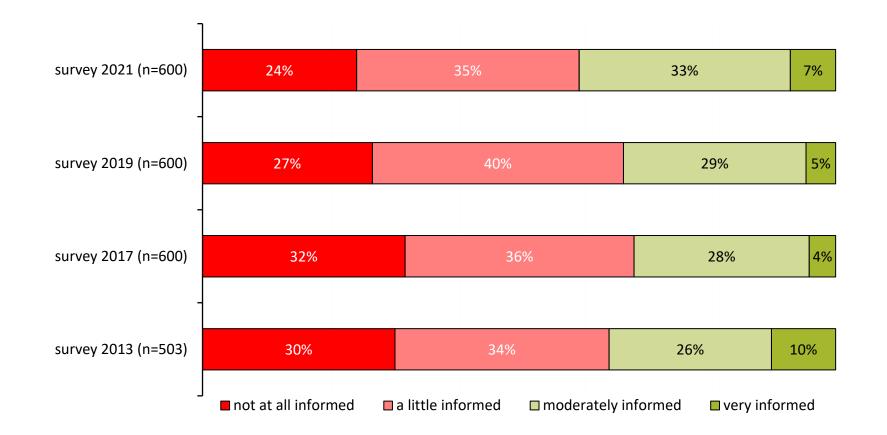














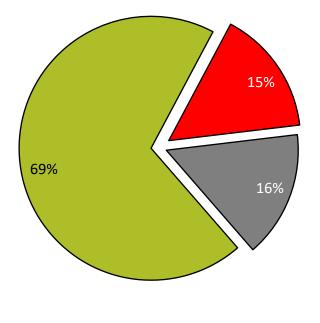


	-				
Total (n=600)	24%	35%		33%	7%
male (n=300)	19%	35%		38%	7%
female (n=300)	29%	35%	0	28%	7%
]				
15-29 years (n=136)	28%	40	%	27%	5%
30-44 years (n=166)	30%	33%		28%	10%
45-59 years (n=155)	20%	32%		39%	8%
60 years or more (n=143)	20%	37%		38%	5%
-					
Luxembourg nationality (n=318)	13%	37%		42%	8%
Portuguese nationality (n=104)	40%		31%	25%	4
other nationality (n=178)	35%		34%	24%	7%
-					
orimary education +3 years (n=75)	40%		28%	25%	7%
cal / secondary education (n=191)	19%	39%		34%	8%
ary / university education (n=311)	23%	34%		36%	7%
-					
self-employed (n=41)	24%	24%		46%	5%
public-sector employee (n=159)	22%	30%		37%	11%
private sector employee (n=188)	31%	33	%	28%	7%
without paid occupation (n=141)	20%	40%		35%	59
student (n=61)	21%	48%		28%	3
· · · · ·	not at all informed	a little informed	□ moderately	informed 🛛 🗖 very i	nformed
			•		

primary education technical / secondary ec post-secondary / university ec



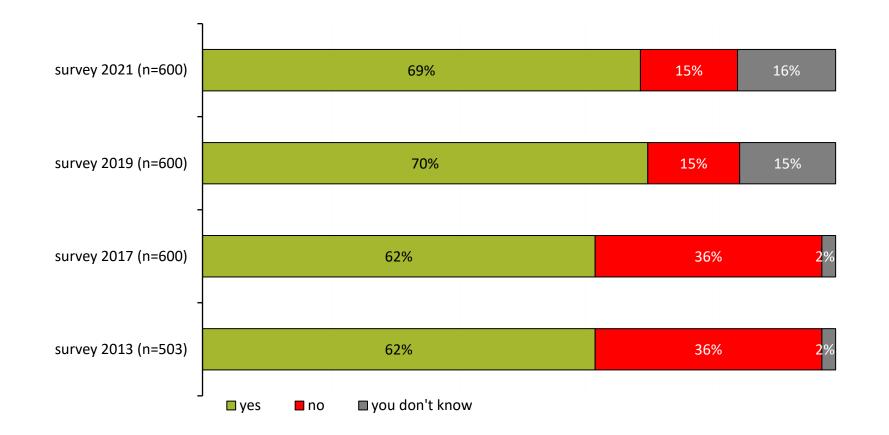




■ Yes ■ No ■ You don't know







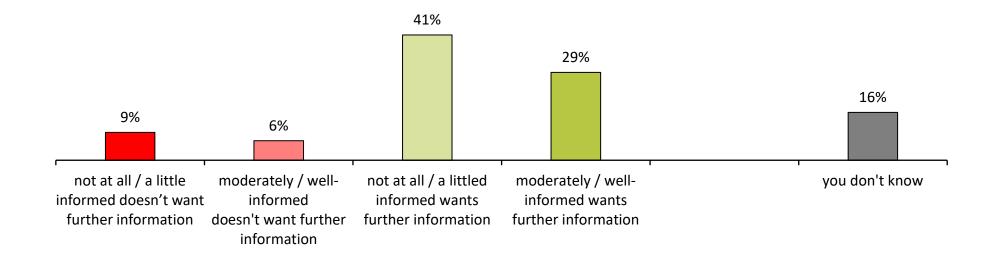


Total (n=600)			69%	15%	16%
male (n=300)			71%	16%	13%
female (n=300)			68%	14%	18%
_ 15-29 years (n=136)			68%	14%	18%
- 30-44 years (n=166)			67%	16%	17%
45-59 years (n=155)			66%	17%	16%
60 years or more (n=143)			75%	14	11%
Luxembourg nationality (n=318)			67%	15%	18%
Portuguese nationality (n=104)			67%	20%	13%
other nationality (n=178)			74%	13%	6 13%
primary education +3 years (n=75)			67%	27%	7%
technical / secondary education (n=191)			64%	17%	19%
post-secondary / university education (n=311)			73%	12%	15%
self-employed (n=41)			71%	17%	12%
public-sector employee (n=159)			64%	16%	20%
private sector employee (n=188)			66%	18%	16%
without paid occupation (n=141)			77%		12% 11%
student (n=61)			72%	16%	6 11%
_	🗖 yes	no 🗖	🛯 you don't know		





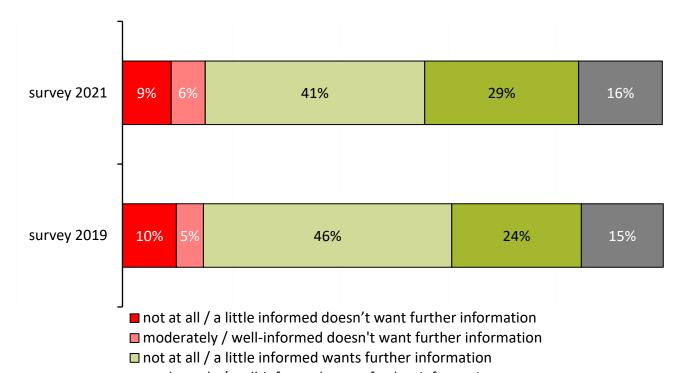
Synthetic summary of segments of the population Q202/203 (n=600)







Synthetic summary of segments of the population Q202/203 (n=600)

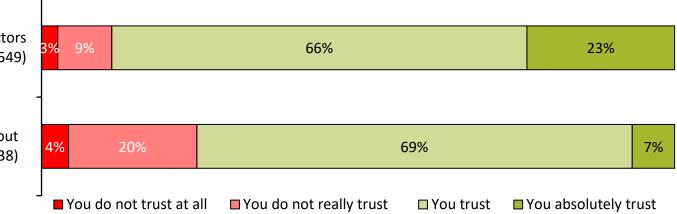


moderately / well-informed wants further information

🛯 you don't know





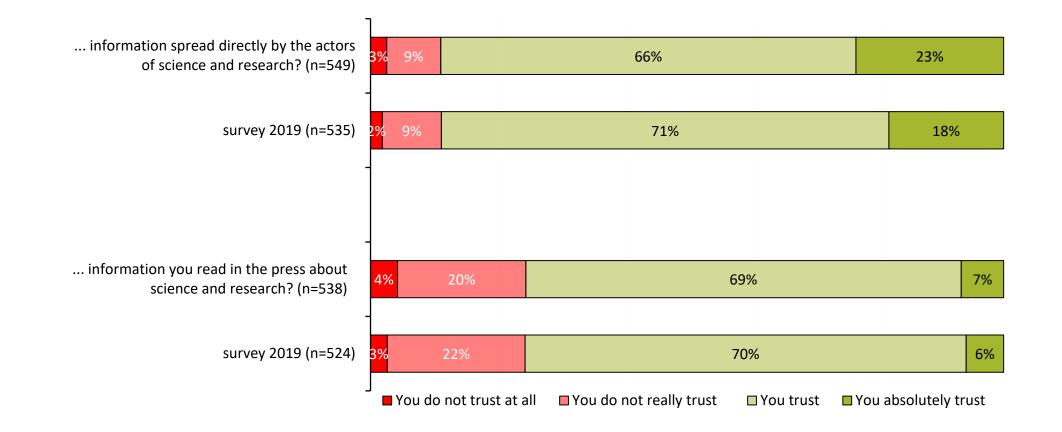


... information spread directly by the actors of science and research? (n=549)

... information you read in the press about science and research? (n=538)









	-		_	
l (n=549)		89%	(n=538)	75%
			-	
e (n=279)		90%	(n=279)	79%
e (n=270)		88%	(n=259)	72%
-			(
s (n=127)		85%	(n=123)	70%
s (n=149)		87%	(n=145)	77%
s (n=145)		91%	(n=141)	76%
e (n=128)		92%	(n=129)	79%
. (11=120)		5270	(11-129)	13/0
/ (n=304)		91%	(n=294)	80%
• • •		86%	· · · -	
/ (n=245)		80%	(n=244) _	70%
(204)		0404	(- 204)	
/ (n=304)		91%	(n=294)	80%
ty (n=87)		83%	(n=86)	71%
/ (n=158)		88%	(n=158)	70%
			_	
rs (n=63)		84%	(n=64)	69%
(n=174)		88%	(n=171)	77%
າ (n=295) [.]		92%	(n=287)	77%
-	1			
ed (n=41)		93%	(n=40) [–]	65%
e (n=146)		88%	(n=145)	77%
e (n=169)		86%	(n=160)	78%
n (n=129)		93%	(n=131)	79%
nt (n=58)		90%	(n=57)	67%
	· · · · · · · ·	5070		
	information spread directly by			information you read in the press
	the actors of science and research?			about science and research?

Luxembourg nationality Portuguese nationality other nationality

other nationality

Luxembourg nationality

Total

male female

15-29 years 30-44 years 45-59 years 60 years or more

primary education +3 years technical / secondary education post-secondary / university education

> self-employed public-sector employee private sector employee without paid occupation student

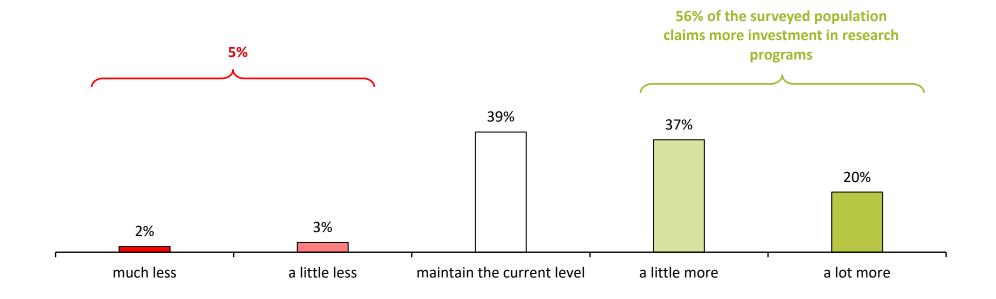




c.) investment and educational efforts

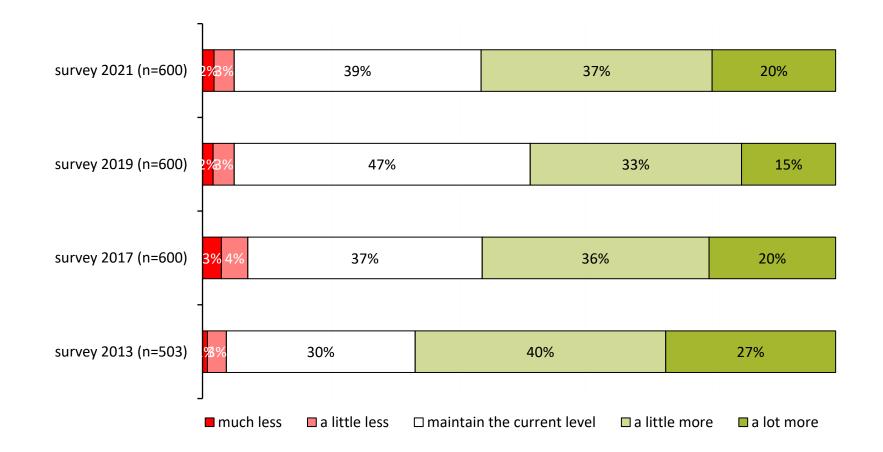












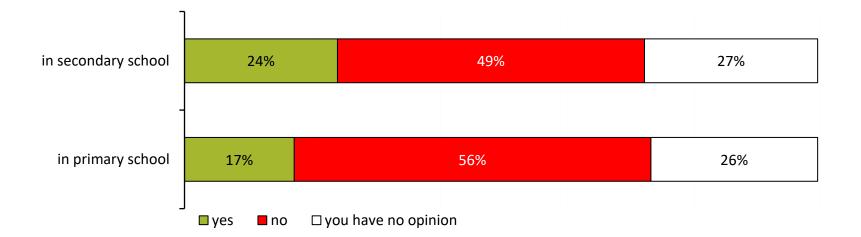




Total (n=600)	2 3 39%			37%		20%
male (n=300)	<mark>1</mark> 3	39%		32%		25%
female (n=300)	23	39%		41%		14%
15-29 years (n=136)	1 6%	32%		43%		18%
30-44 years (n=166)	<mark>3%</mark> 2	41%		32%	,)	22%
45-59 years (n=155)	<mark>2</mark> 2	43%		32%		22%
60 years or more (n=143)	13	39%		419	%	16%
Luxembourg nationality (n=318)	2 4% 35%			41%		19%
other nationality (n=282)	<mark>1</mark> 2	44%		32%		20%
]					
primary education +3 years (n=75)	<mark>4%</mark> 3	48%		33%		12%
technical / secondary education (n=191)	2 4	38%		40%		16%
post-secondary / university education (n=311)	<mark>1</mark> 3	38%		35%		23%
	1					
self-employed (n=41)		39%		34%		27%
public-sector employee (n=159)	23	37%		33%		25%
private sector employee (n=188)	<mark>3%</mark> 2	45%			36%	14%
without paid occupation (n=141)	<mark>1</mark> 4%	37%		39%		18%
student (n=61)	5	31%		46%		18%
	much less	a little less	maintain t	he current level	🗖 a little more	🗖 a lot more

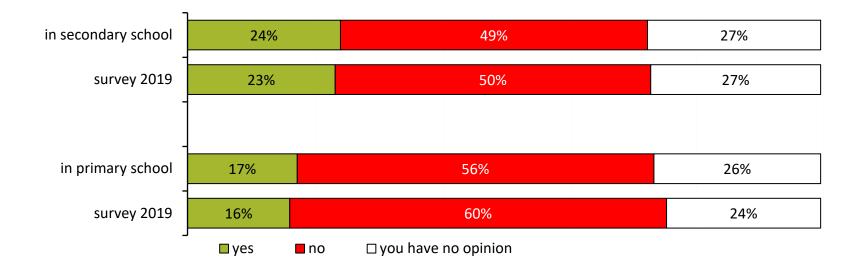






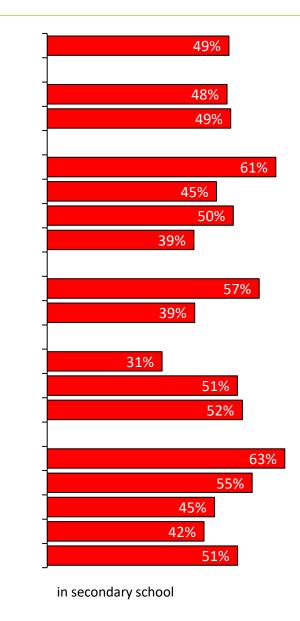


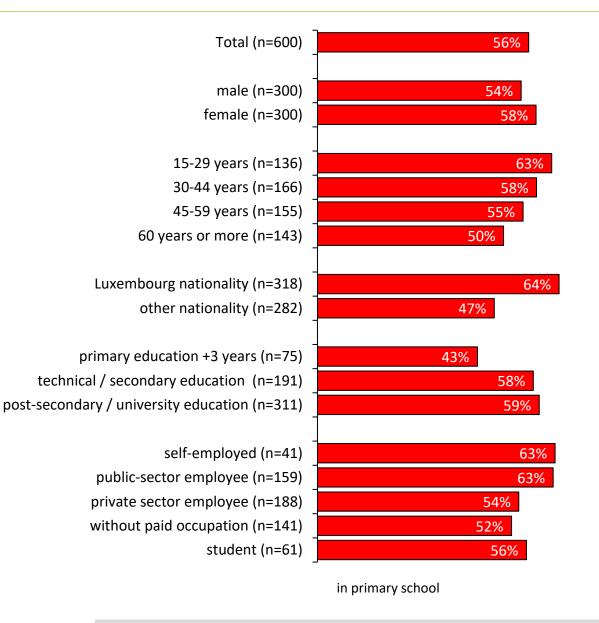












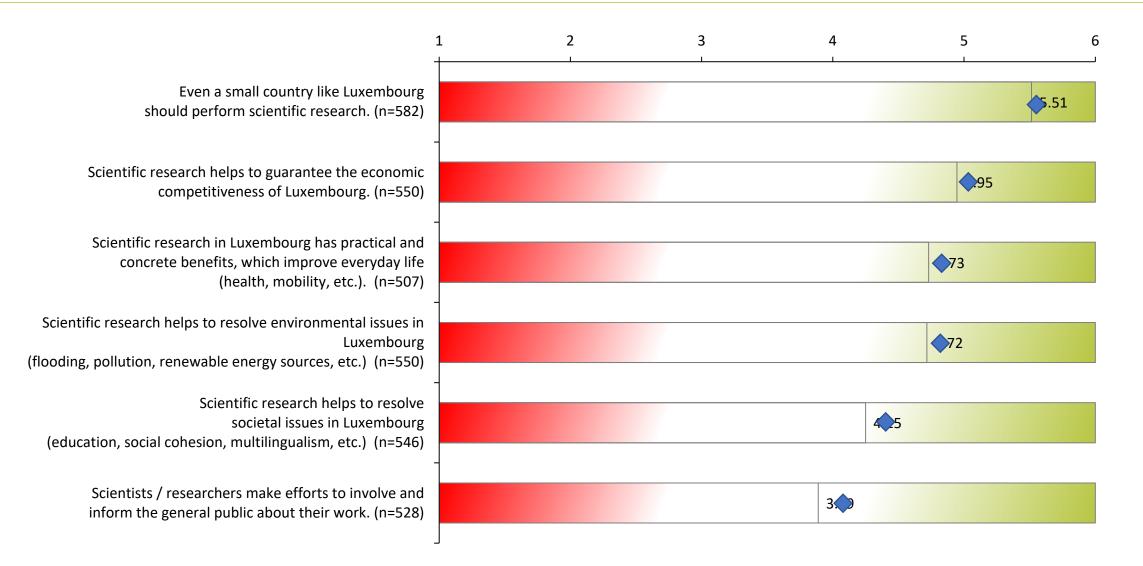




d.) basic attitudes and impact of scientific research

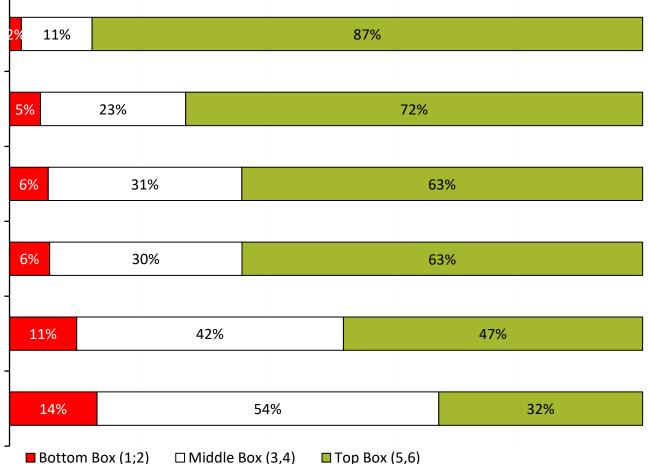












Even a small country like Luxembourg should perform scientific research. (n=582)

Scientific research helps to guarantee the economic competitiveness of Luxembourg. (n=550)

Scientific research in Luxembourg has practical and concrete benefits, which improve everyday life (health, mobility, etc.). (n=507)

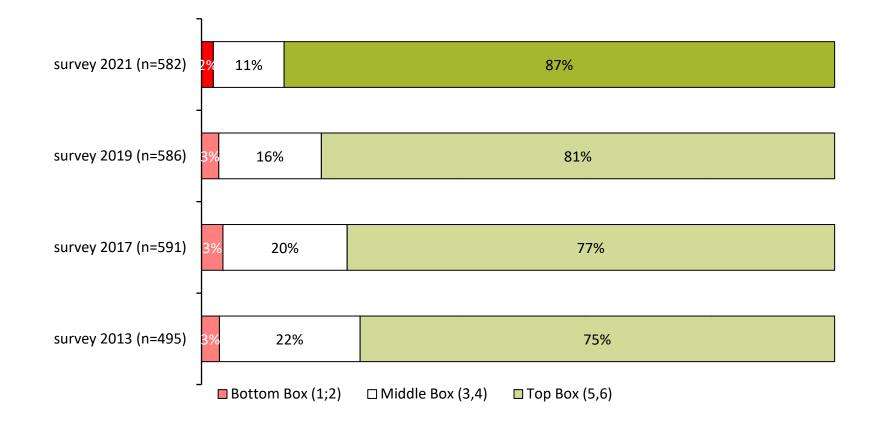
Scientific research helps to resolve environmental issues in Luxembourg (flooding, pollution, renewable energy sources, etc.) (n=550)

Scientific research helps to resolve societal issues in Luxembourg (education, social cohesion, multilingualism, etc.) (n=546)

Scientists / researchers make efforts to involve and inform the general public about their work. (n=528)



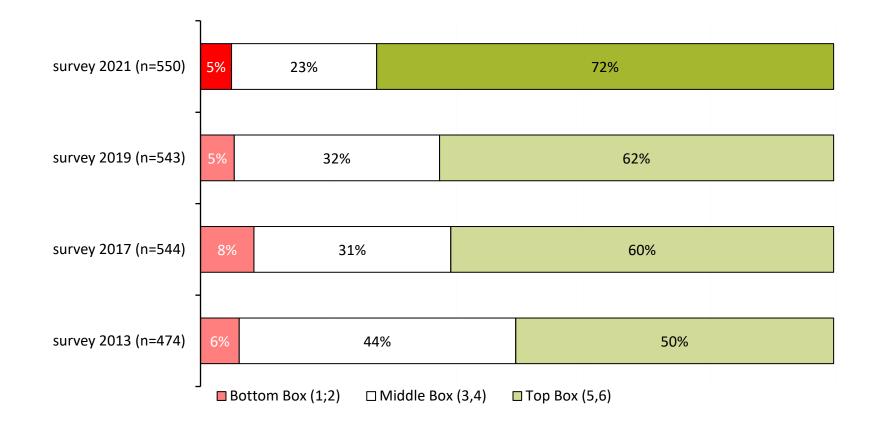




Q.400.1 **Even a small country like Luxembourg should perform scientific research**. Comparative survey 2021 vs. 2019/2017/2013



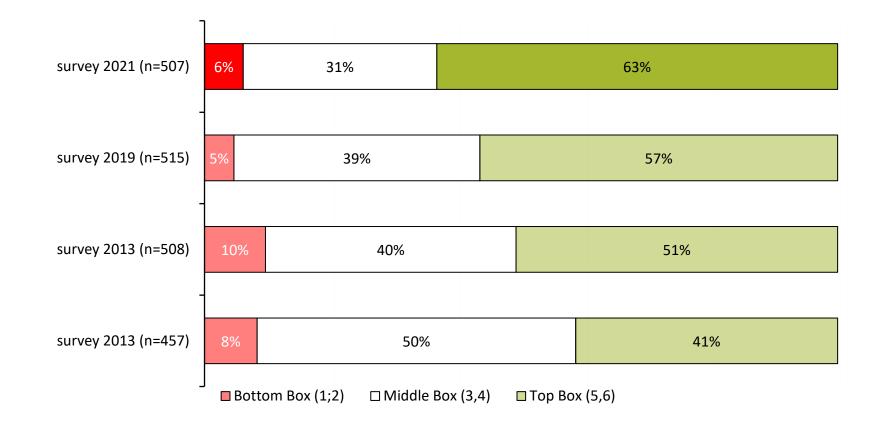




Q.400.3 Scientific research helps to guarantee the economic competitiveness of Luxembourg. Comparative survey 2021 vs. 2019/2017/2013



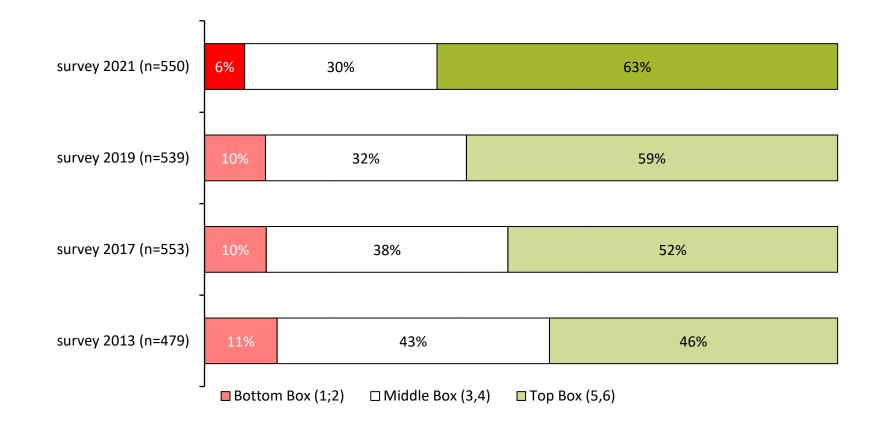




Q.400.2 Scientific research in Luxembourg has practical and concrete benefits, which improve everyday life (health, mobility, etc.). Comparative survey 2021 vs. 2019/2017/2013



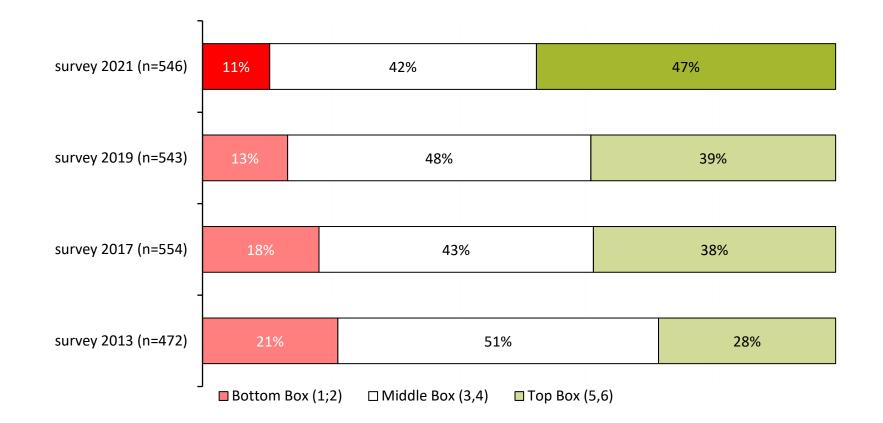




Q.400.4 Scientific research helps to resolve environmental issues in Luxembourg (flooding, pollution, renewable energy sources, etc.). Comparative survey 2021 vs. 2019/2017/2013



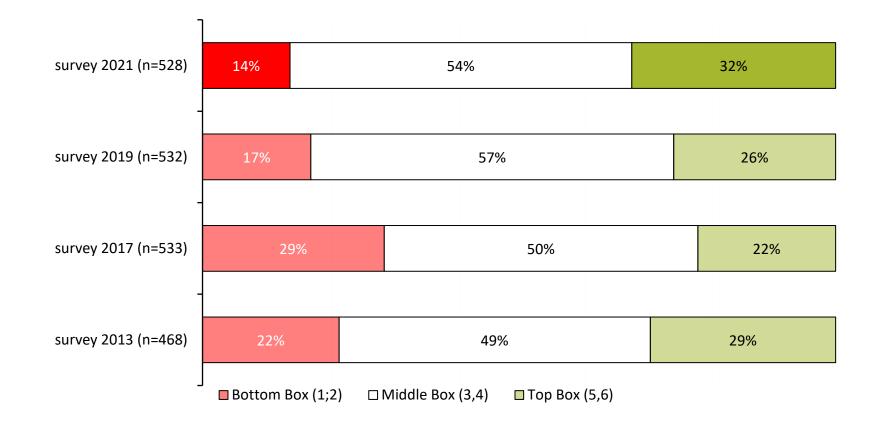




Q.400.5 Scientific research helps to resolve societal issues in Luxembourg (education, social cohesion, multilingualism, etc.). Comparative survey 2021 vs. 2019/2017/2013







Q.400.6 Scientists / researchers make efforts to involve and inform the general public about their work. Comparative survey 2021 vs. 2019/2017/2013

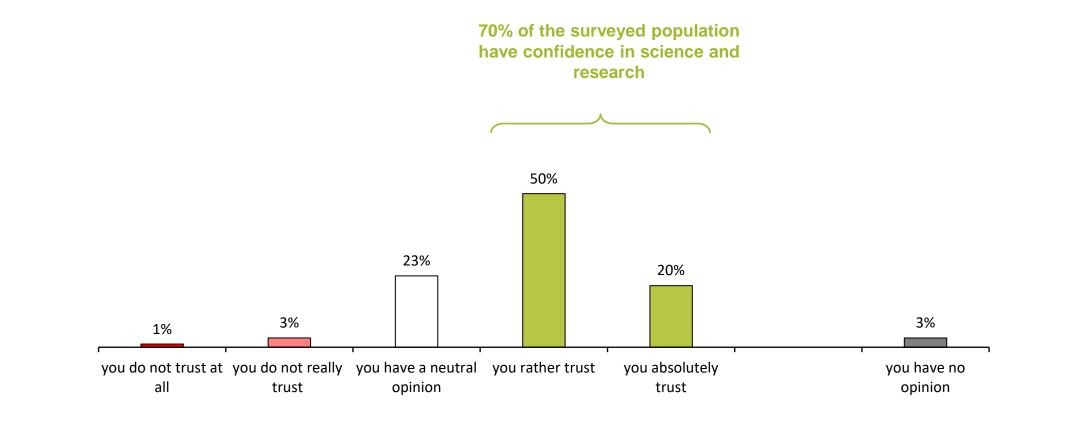




e.) confidence indicators

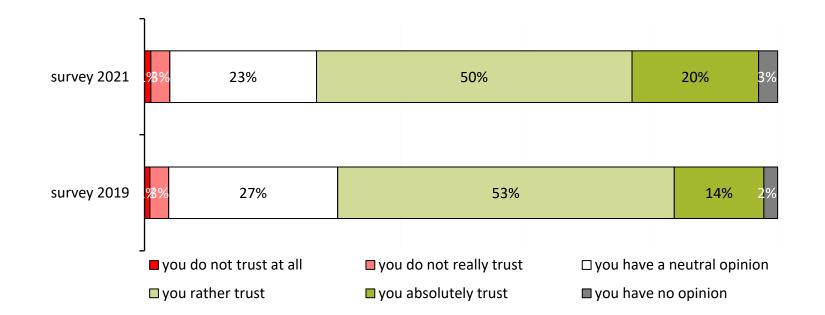














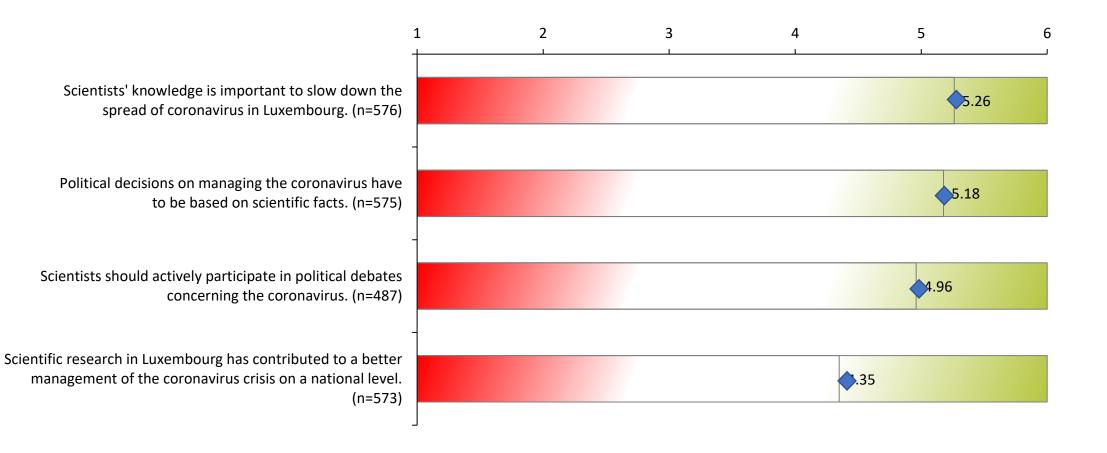
Total (n=600)	13 23%	50%	20% 3%
male (n=300)	13 20%	51%	23% 3
female (n=300)	1 3 26%	49%	17% 3%
]		
15-29 years (n=136)	1 4 24%	45%	23% 4%
30-44 years (n=166)	20%	52%	22% 3%
45-59 years (n=155)	23 25%	50%	19% 2
60 years or more (n=143)	3 24%	52%	16% 3%
Luxembourg nationality (n=318)	<u>14%</u> 21%	50%	22% 2
Portuguese nationality (n=104)	<u>12</u> <u>36%</u>	43%	13% 6% 21% 3
other nationality (n=178)	12 20%	20% 53%	
primary education +3 years (n=75)	4% 5% 36	% 43%	5% 7%
technical / secondary education (n=191)	1 3 26%	47%	21% 2
post-secondary / university education (n=311)	2 17%	55%	24% 1
self-employed (n=41)	24%	59%	17% 26% 3%
public-sector employee (n=159)	<u>12 25%</u>	12 25% 43%	
private sector employee (n=188)	<mark>2 4%</mark> 23%	52%	17% 3
without paid occupation (n=141)	4 21%	55%	17% 4%
student (n=61)	2 5% 25%	44%	25%
	you do not trust at all	you do not really trust	□ you have a neutral opinion
	🗖 you rather trust	you absolutely trust	🗖 you have no opinion





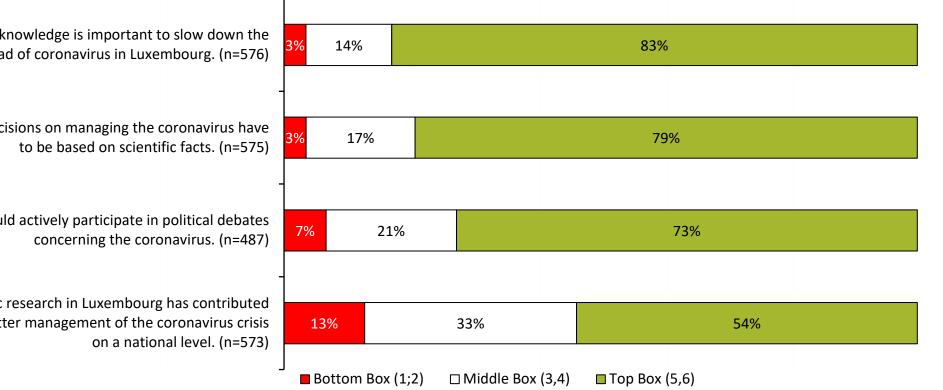
f.) Covid 19 specific questions











Scientists' knowledge is important to slow down the spread of coronavirus in Luxembourg. (n=576)

Political decisions on managing the coronavirus have

Scientists should actively participate in political debates

Scientific research in Luxembourg has contributed to a better management of the coronavirus crisis



Total (n=600)	<mark>3%</mark> 14%	83%
male (n=300)	4% 14%	82%
female (n=300)	<mark>3%</mark> 13%	84%
15-29 years (n=136)	4% 15%	81%
30-44 years (n=166)	4% 15%	81%
45-59 years (n=155)	<mark>3%</mark> 13%	84%
60 years or more (n=143)	<mark>4%</mark> 11%	86%
Luxembourg nationality (n=318)	4% 14%	82%
other nationality (n=282)	<mark>3%</mark> 13%	84%
primary education +3 years (n=75)	6% 10%	84%
technical / secondary education (n=191)	<mark>3%</mark> 17%	80%
post-secondary / university education (n=311)	<mark>3%</mark> 12%	85%
self-employed (n=41)	15%	85%
public-sector employee (n=159)	6% 12%	82%
private sector employee (n=188)	2 15%	83%
without paid occupation (n=141)	4% 14%	82%
student (n=61)	<mark>4%</mark> 11%	86%
	Bottom Box (1;2)	□ Middle Box (3,4)



Total (n=600)	<mark>3%</mark> 17%	79%
	40(470(700/
male (n=300)	4% 17%	79%
female (n=300)	<mark>3%</mark> 17%	80%
15-29 years (n=136)	<mark>2</mark> 13%	85%
30-44 years (n=166)	5% 18%	77%
45-59 years (n=155)	<mark>4%</mark> 20%	76%
60 years or more (n=143)	<mark>3%</mark> 17%	81%
Luxembourg nationality (n=318)	<mark>3%</mark> 15%	82%
other nationality (n=282)	4% 20%	76%
primary education +3 years (n=75)	4% 16%	79%
technical / secondary education (n=191)	2 21%	77%
post-secondary / university education (n=311)	4% 15%	81%
self-employed (n=41)	5% 15%	80%
public-sector employee (n=159)	4% 15%	80%
private sector employee (n=188)	<mark>3%</mark> 20%	77%
without paid occupation (n=141)	<mark>3%</mark> 18%	79%
student (n=61)	13%	88%
	Bottom Box (1;2)	□ Middle Box (3,4)



Total (n=600)	7% 21%	73%
	-	
male (n=300)	8% 23%	68%
female (n=300)	5% 18%	77%
15-29 years (n=136)	<mark>4%</mark> 23%	73%
30-44 years (n=166)	6% 23%	72%
45-59 years (n=155)	5% 21%	73%
60 years or more (n=143)	12% 15%	73%
Luxembourg nationality (n=318)	6% 21%	72%
other nationality (n=282)	7% 20%	74%
primary education +3 years (n=75)	7% 15%	77%
technical / secondary education (n=191)	7% 21%	72%
post-secondary / university education (n=311)	5% 22%	73%
self-employed (n=41)	10% 20%	70%
public-sector employee (n=159)	9% 18%	73%
private sector employee (n=188)	<mark>4%</mark> 26%	70%
without paid occupation (n=141)	7% 15%	77%
student (n=61)	<mark>3%</mark> 24%	72%
	■ Bottom Box (1;2)	Middle Box (3,4) 🗖 Top Box (5,6)



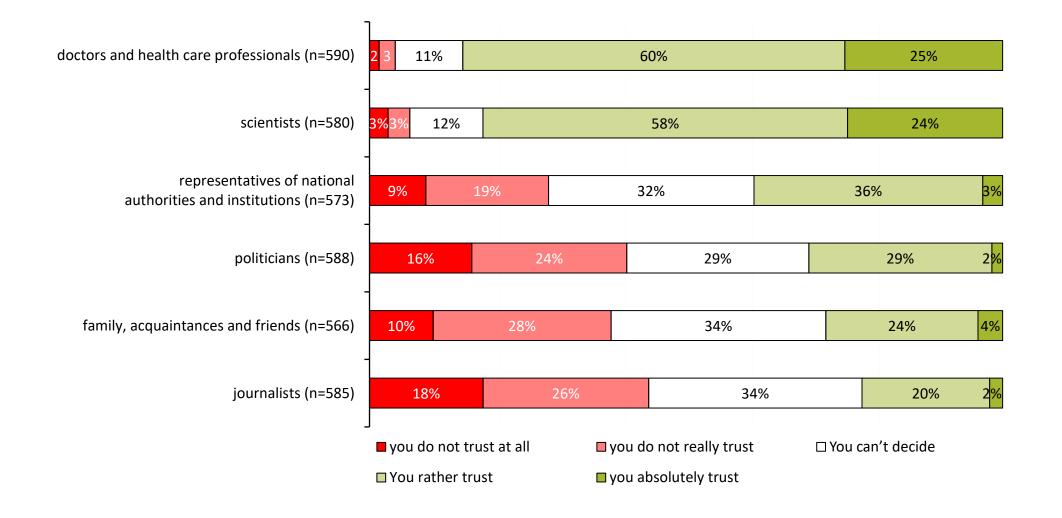
Total (n=600)	13%	33%		54%		
mala (n-200)	1.20/	220/		F 40/		
male (n=300)	13%	33%		54%		
female (n=300)	12%	35%		54%		
15-29 years (n=136)	17%	40%		43%		
30-44 years (n=166)	12%	33%		54%		
45-59 years (n=155)	12%	28%		60%		
60 years or more (n=143)	11%	34%		55%		
	1					
Luxembourg nationality (n=318)	12%	35%		52%		
other nationality (n=282)	13%	31%		56%		
	1					
orimary education +3 years (n=75)	12%	17%		71%		
cal / secondary education (n=191)	14%	37%		49%		
ary / university education (n=311)	11%	34%		55%		
	1					
self-employed (n=41)	12%	32%		56%		
public-sector employee (n=159)	17%	34%		49%		
private sector employee (n=188)	12%	34%		54%		
without paid occupation (n=141)	10%	32%		59%		
student (n=61)	13%	38%		50%		
	Bottom	Box (1;2) 🗆 Middle Box (3)	,4) 🗖 Top B	ox (5,6)		

primary

technical / sec post-secondary / un

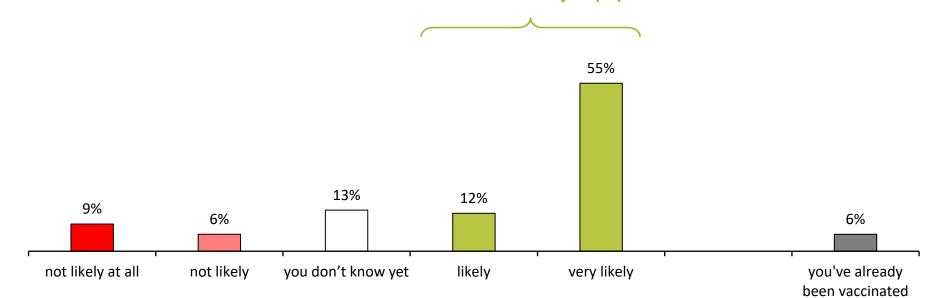








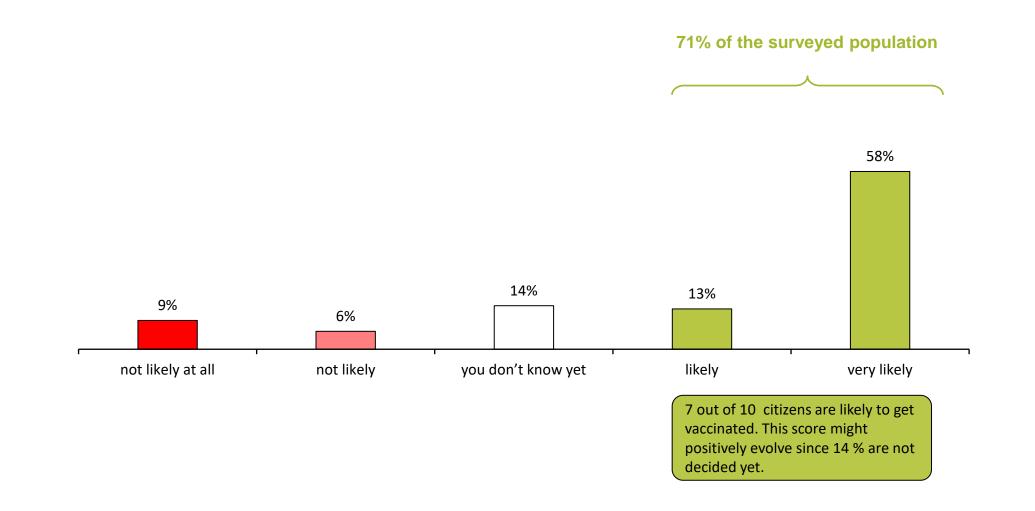




67% of the surveyed population









Total (n=567)	9% 6% 14%	13%	58%
male (n=287)	8% 5% 13% 11%		63%
female (n=280)	10% 7% 15%	15%	52%
15-29 years (n=132)		6 17%	42%
30-44 years (n=157)	8% 5% 17%	17%	54%
45-59 years (n=144)	11% 7% 13%	11%	58%
60 years or more (n=134)	<mark>4%2%</mark> 10% 6%	78%	
Luxembourg nationality (n=301)	7% 6% 12% 10%		65%
Portuguese nationality (n=97)	14% 6% 22%	19%	39%
other nationality (n=169)	11% 6% 14%	15%	54%
primary education +3 years (n=70)	9% 4% 21%	14%	51%
technical / secondary education (n=179)	9% 4% 18%	12%	56%
post-secondary / university education (n=296)	8% 7% 9% 14%		61%
refusal (n=22)	32%	9% 23%	36%
self-employed (n=38)	8% 0 [°] 8% 13%	71	.%
public-sector employee (n=150)	10% 5% 14%	13%	58%
private sector employee (n=175)	<u>11%</u> 7% 17%	19%	46%
without paid occupation (n=135)	<mark>4%</mark> 3% 8% 7%	79%	
student (n=60)	13% 12%	23% 13%	38%
refusal (n=9)	33%	11% 22%	33%
	not likely at all not lik	ely 🛛 you don't know yet	□ likely □ very likely