

# Pre-Test Results (Hotpolitics Lab)

November 22, 2019

Table 1: Survey Summary

Statistic	N	Mean	St. Dev.	Min	Max
Too long/Got Bored	47	3.553	0.996	2.000	5.000
Easy to Answer	47	3.128	0.924	1.000	5.000
Concept clear (Human Control)	47	3.723	1.057	2.000	5.000
Concept clear (Responsibility)	47	3.681	0.935	2.000	5.000
Concept Clear (Certainty)	46	3.761	0.947	2.000	5.000
Familiar with issues	47	3.617	1.095	1.000	5.000

1 (Strongly Disagree) to 5 (Strongly Agree)

Table 2: Familiarity with Issues.

Statistic	N	Mean	St. Dev.	Min	Max
Painkiller	47	3.404	1.346	1.000	5.000
Vaccinations	47	3.979	0.944	2.000	5.000
EU Asylum	47	3.532	1.349	1.000	5.000
Groundwater Pollution	47	3.085	1.282	1.000	5.000

1 (Not at all Familiar) to 5 (Very Familiar)

Table 3: Interest in issues

Statistic	N	Mean	St. Dev.	Min	Max
Painkiller	47	3.191	1.096	1.000	5.000
Vaccinations	47	3.511	1.214	1.000	5.000
EU Asylum	47	3.596	1.116	1.000	5.000
Groundwater Pollution	47	3.128	1.191	1.000	5.000

1 (Not at all Interested) to 5 (Extremely Interested)

# 1 Vaccinations

## 1.1 Certainty Statements

**Statement 1:** In the first six months of 2019 twice as many people got the measles as in the whole prior year. The reason is a drastic decrease in vaccinations and the consequences are fatal!

**Statement 2:** In the first six months of 2019 about twice as many people got the measles as in the whole prior year. The reasons for this development are complex and diverse but the consequences bear a high risk!

**Statement 3:** The number of people contracting measles has doubled in 2018. The reasons are clear and the consequences are dire!

**Statement 4:** The number of people contracting measles has just about doubled in 2018. The problem is complex but the danger can be extremely high!

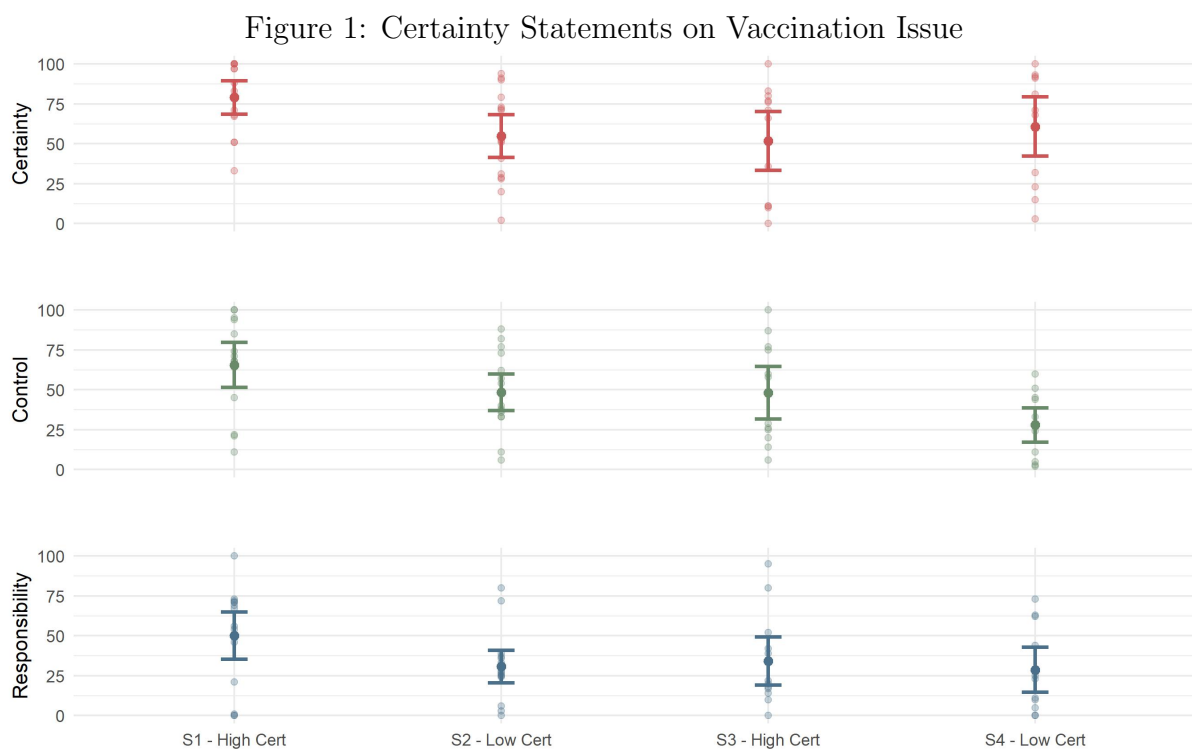


Table 4: Two-Sided T-Test Statements 1 and 2

	<b>Certainty</b>	Control	Responsibility
Test statistic	2.514	1.664	1.882
Mean X	79	65.571	50.071
Mean Y	54.933	48.467	30.733
Lower	4.393	-4.056	-1.921
Upper	43.741	38.265	40.598
p value	0.018	0.108	0.073

## 1.2 Control Statements

**Statement 5:** For any of us to be safe, 95 percent of the Dutch population must be vaccinated. Otherwise the disease spreads and mutates, which puts everybody at risk.

**Statement 6:** For any of us to be safe, 95 percent of the European population must be vaccinated. Otherwise the disease can spread and mutate which would put everybody at risk.

**Statement 7:** People go abroad and carry these diseases into the country, infecting others who have chosen not to be vaccinated.

**Statement 8:** The measles are usually contracted abroad and passed on to others who could not, for medical reasons, be vaccinated.

Figure 2: Control Statements on Vaccination Issue

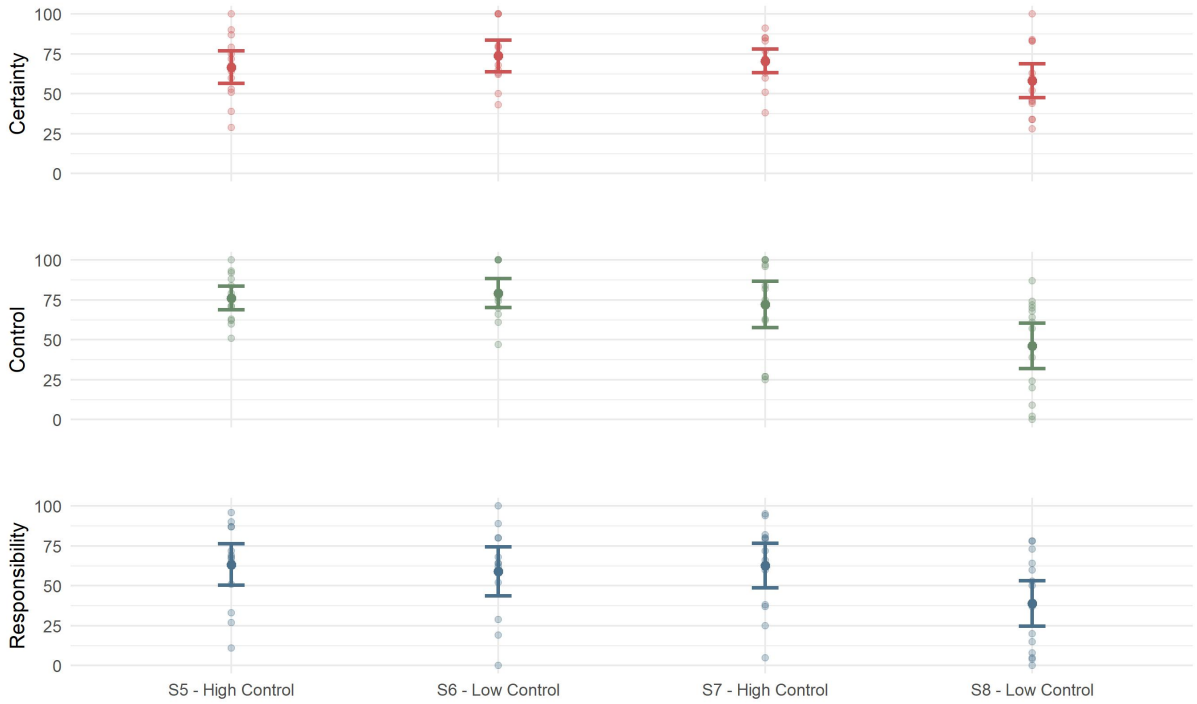


Table 5: Two-Sided T-Test Statements 7 and 8

	Certainty	<b>Control</b>	Responsibility
Test statistic	1.72	2.29	2.13
Mean X	58.14	72.15	62.54
Mean Y	58.14	2.56	38.93
Lower	-2.50	-4.06	0.79
Upper	27.27	49.32	46.43
p value	0.10	0.03	0.04

### 1.3 Responsibility Statements

**Statement 9:** Both, reckless parents who do not vaccinate their children, and corporations carry the responsibility. Bol.com, for instance, has been subject to criticism as its recommendations lead people directly to anti-vaxxer books.

**Statement 10:** Parents are often not aware of the risks of not vaccination their children. They are often misled online where they read anti-vaccine and science skeptic messages.

**Statement 11:** Vaccine skeptic parents are in most cases highly educated. They should

really know better and be held accountable for endangering all of us!

**Statement 12:** Vaccine skepticism is an issue of misinformation which misleads even highly educated people. But even a handful of skeptics can endanger all of us!

**Statement 13:** Particularly some European nations are posing a risk to us all. The Belgians are amongst the most vaccine sceptic. A measles epidemic in Belgium, however would not stop at the boarder. It would affect us too.

**Statement 14:** The globally rising vaccine skepticism is problematic for everyone as, for instance, a measles epidemic in Belgium would not stop at the boarder. It would affect us too.

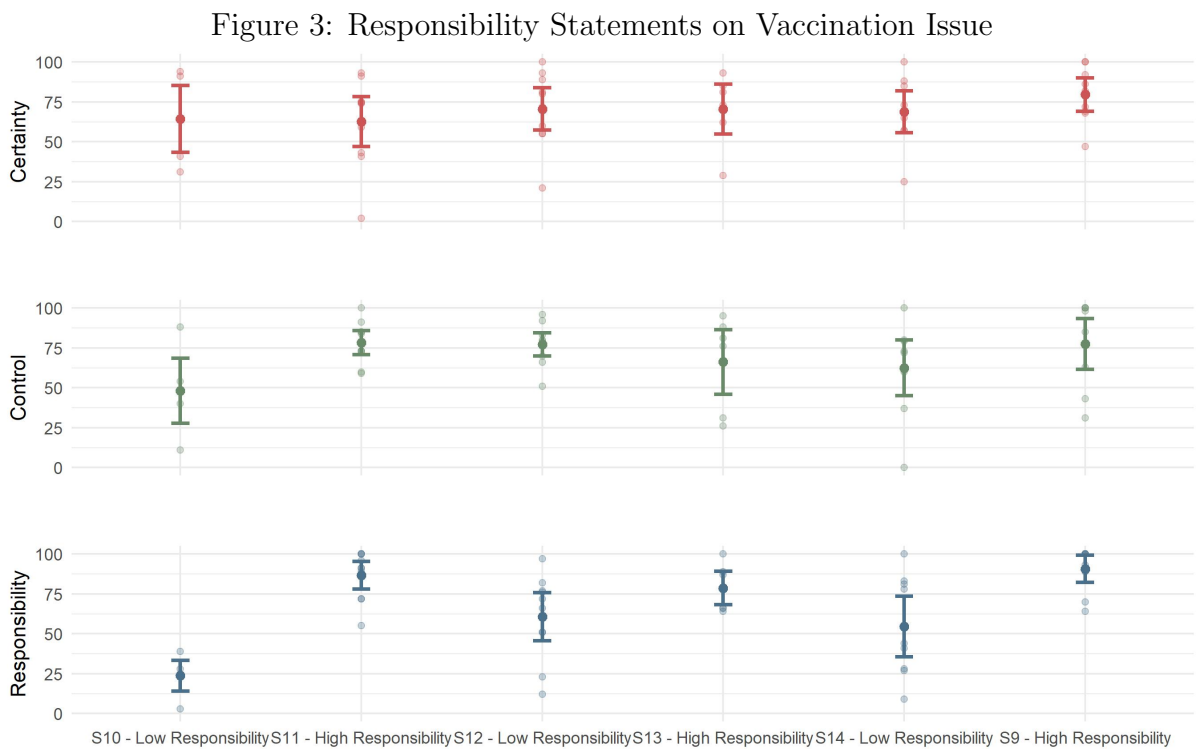


Table 6: Two-Sided T-Test Statements 11 and 12

	Certainty	Control	<b>Responsibility</b>
Test statistic	-0.69	0.19	2.66
Mean X	62.7	78.3	86.6
Mean Y	70.6	77.2	60.7
Lower	-31.99	-11.09	5.09
Upper	16.20	13.29	46.71
p value	0.50	0.85	0.02

## 2 Painkillers

### 2.1 Certainty Statements

**Statement 1:** A recent government report predicts a painkiller epidemic in the Netherlands. It started with increased prescriptions of highly potent painkillers and directly resulted in massive overdose mortality and high addiction rates.

**Statement 2:** A recent government report foresees a looming painkiller epidemic in the Netherlands. Increased prescriptions of highly potent painkillers might be linked to massive overdose mortality and high addiction rates.

**Statement 3:** The increased prescription of opioids is directly linked to an increase in hospitalization and deaths.

Figure 4: Certainty Statements on Painkiller Issue

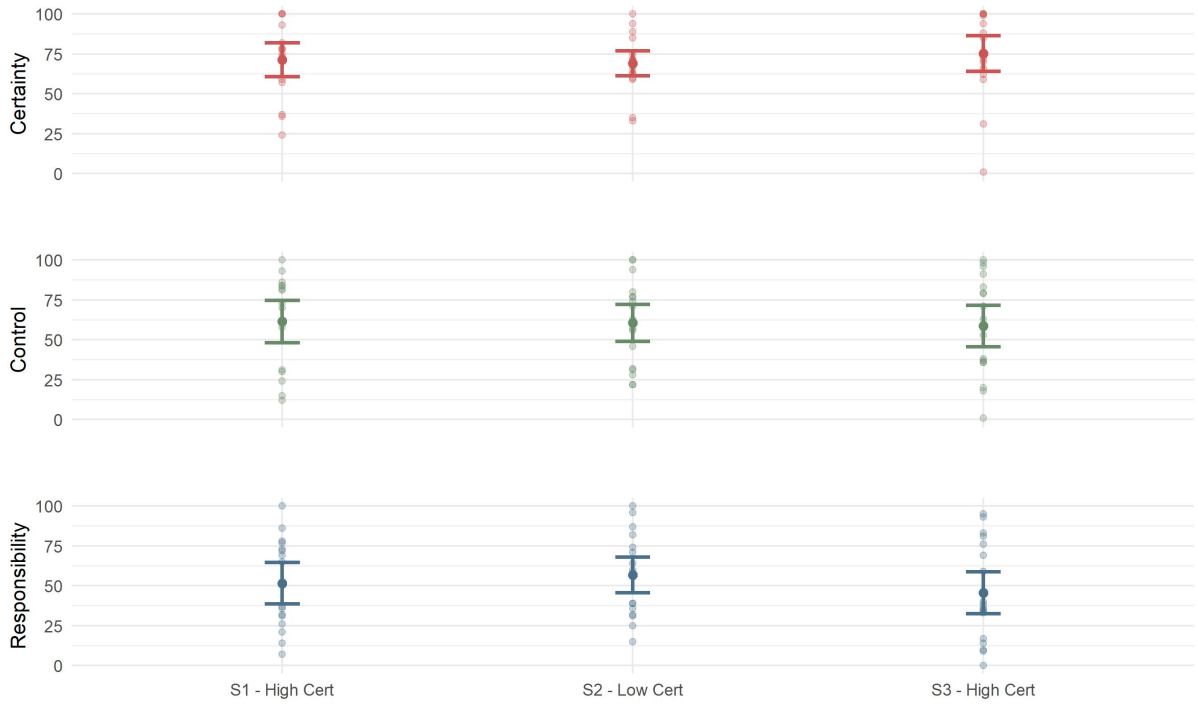


Table 7: Two-Sided T-Test Statements 1 and 2

	Certainty	Control	Responsibility
Test statistic	0.31	0.09	-0.55
Mean X	71.31	61.5	51.5
Mean Y	69.05	60.59	56.76
Lower	-12.61	-19.12	-24.74
Upper	17.12	20.95	14.22
p value	0.76	0.92	0.59

## 2.2 Control Statements

**Statement 4:** Doctors have thoughtlessly prescribed highly potent painkillers ignoring the severe side-effects.

**Statement 5:** The side-effects and risks of opioids have long been unknown but they have been prescribed to an increasing number of patients.

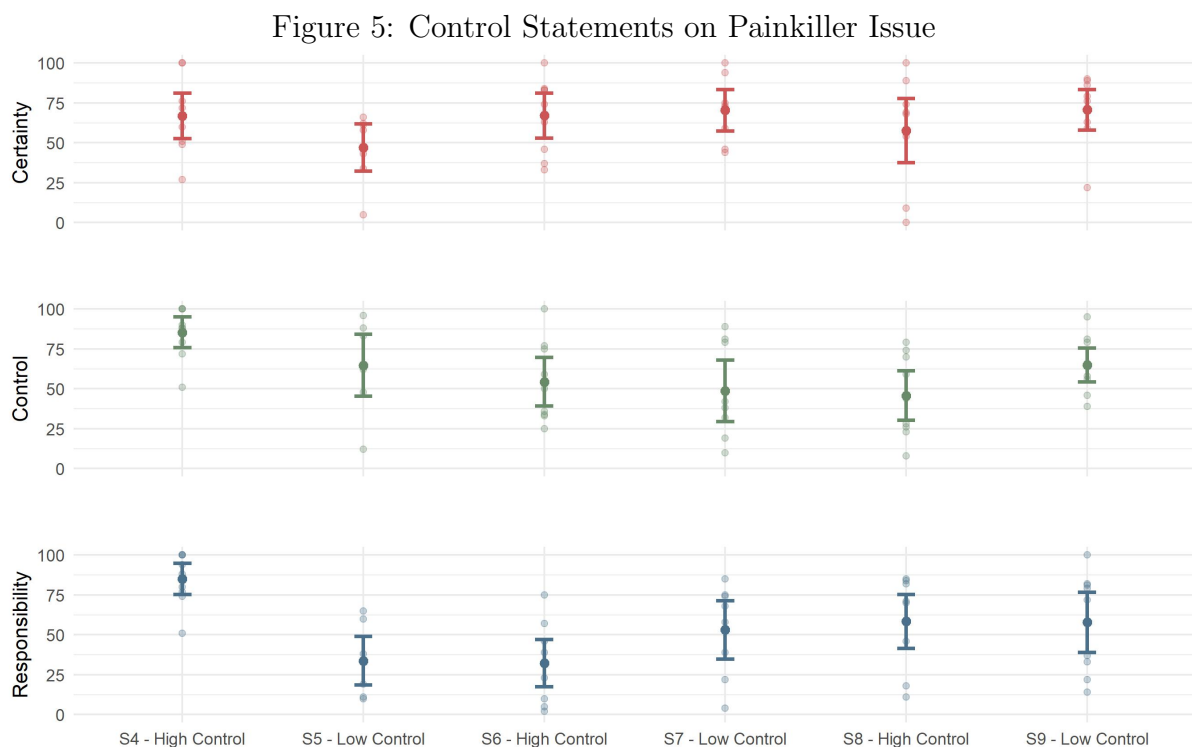
**Statement 6:** The severe risks of opiod use have been blanketed while prescriptions of these highly addictive pills have nearly doubled since 2009 in the Netherlands.



**Statement 7:** An ageing population with more pain and the need to cut the length of hospital stays have contributed to increased prescriptions of these highly addictive pills.

**Statement 8:** Patients often demand strong painkillers and go beyond their prescriptions and slide ride into addiction.

**Statement 9:** The increased focus on pain management and short hospital stays has likely resulted in more patients being sent home with these highly addictive pills.



## 2.3 Responsibility Ratings

**Statement 10:** Pharmaceutical companies' lobbying for the use of painkillers and doctors' easy prescribing are responsible for the shocking rise in overdose deaths.

**Statement 11:** Policy makers will have to make painkiller abuse and addiction a public health priority to reverse this upsetting trend.

**Statement 12:** Policy-makers owe it to us to police the reckless pharma lobby and to finally regulate drugs that put our lives at risk.

**Statement 13:** To prevent more deaths due to painkiller overdoses, painkiller abuse and addiction must become a public health priority.

**Statement 14:** "And who is responsible: the pharma-lobby and reckless doctors! To prevent more deaths due to painkiller overdoses, they will have to be held accountable."

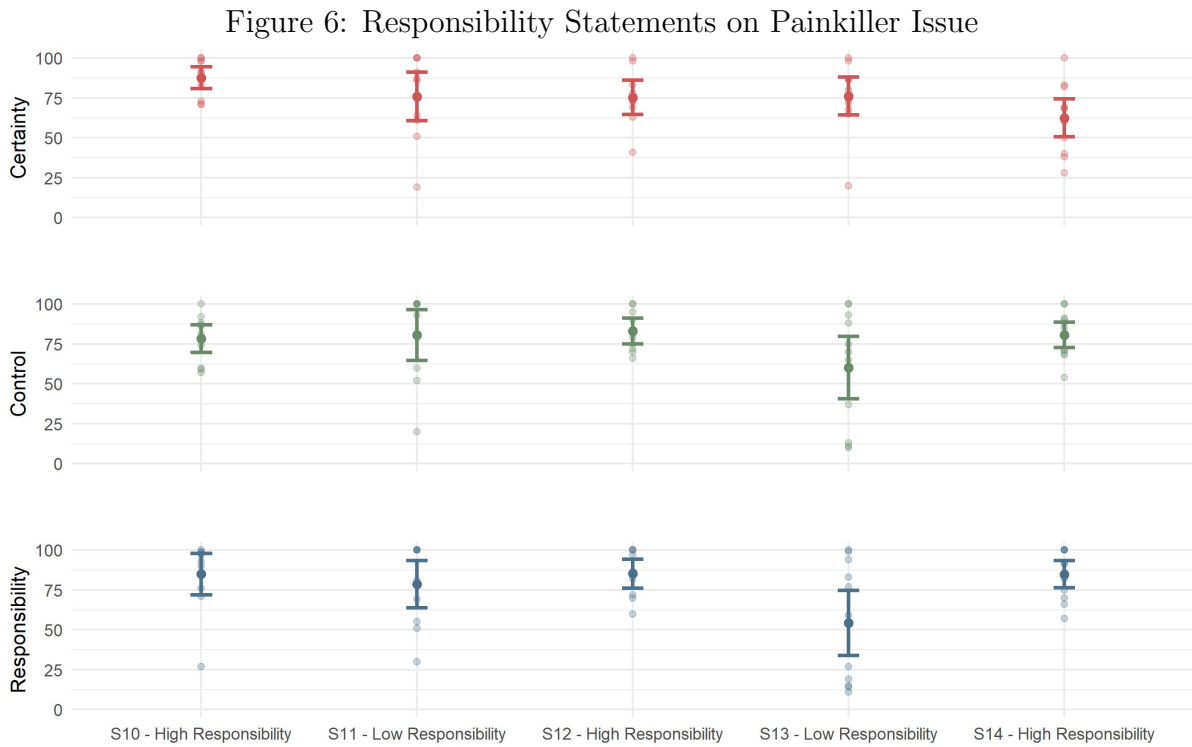


Table 8: Two-Sided T-Test Statements 12 and 13

	Certainty	Control	<b>Responsibility</b>
Test statistic	-0.085	1.94	2.49
Mean X	75.33	83	85.22
Mean Y	76.1	60.18	54.36
Lower	-19.42	-2.58	4.239
Upper	17.91	48.22	57.47
p value	0.93	0.07	0.03