



European Attitudes Towards DNA



King Baudouin
Foundation



[June 2018]



BACKGROUND

Genetic information can have implications on a wide range of medical conditions. To get to the bottom of these diseases and understand how to effectively treat and prevent them, medical researchers and health care suppliers are dependent on the provision of genetic information for research purposes.

In the past, high profile criminal cases together with television crimes have familiarised many people across Europe with the strength of DNA evidence. The growing popularity of DNA ancestry tests seen to be a proof of the general interest of Europeans in finding out more about their family heritage. At the same time, there are privacy doubts of how the data is being further used once provided to a company, website or research institution.

In light of this, the King Baudouin Foundation wants to shed light on the European appetite for learning more about their own DNA as well as their willingness to share it with others.




METHODOLOGY



ORB has carried out a nationally representative survey in each of 28 EU member states to gather public opinion on DNA.

The data for each country has been weighted to ensure it is representative of the adult population. The table shows the sample size, methodology and fieldwork dates for each country.



28,782

Interviews conducted across
all 28 EU member states

Margin of error = ± 3.1
(for the average country sample size of $n=1,028$)

FIELDWORK : 3 May – 7 June 2018

Country	Method	Sample Size	Fieldwork Dates
Austria	Online	1000	18 May - 2 June
Belgium	Online	1000	25 May - 29 May
Bulgaria	Online	1198	17 May - 3 June
Croatia	Telephone	1001	9 May - 30 May
Cyprus	Telephone	1010	14 May - 21 May
Czech Republic	Online	1048	16 May - 24 May
Denmark	Online	1020	16 May - 23 May
Estonia	Online	1016	15 May - 22 May
Finland	Face-to-face	970	17 May - 6 June
France	Online	1000	21 May - 26 May
Germany	Online	950	18 May - 6 June
Greece	Online	1000	18 May - 7 June
Hungary	Telephone	1003	17 May - 30 May
Ireland	Online	1014	3 May - 9 May
Italy	Online	1000	21 May - 28 May
Latvia	Face-to-face	1015	9 May - 29 May
Lithuania	Online	1018	16 May - 22 May
Luxembourg	Online	530	31 May - 4 June
Malta	Telephone	500	21 May - 4 June
Netherlands	Online	1034	30 May - 1 June
Poland	Online	1022	21 May - 28 May
Portugal	Online	1000	21 May - 29 May
Romania	Telephone	1223	9 May - 7 June
Slovakia	Online	1047	16 May - 24 May
Slovenia	Online	1053	18 May - 7 June
Spain	Online	1005	21 May - 26 May
Sweden	Online	1031	25 May - 28 May
UK	Online	2074	14 May - 15 May

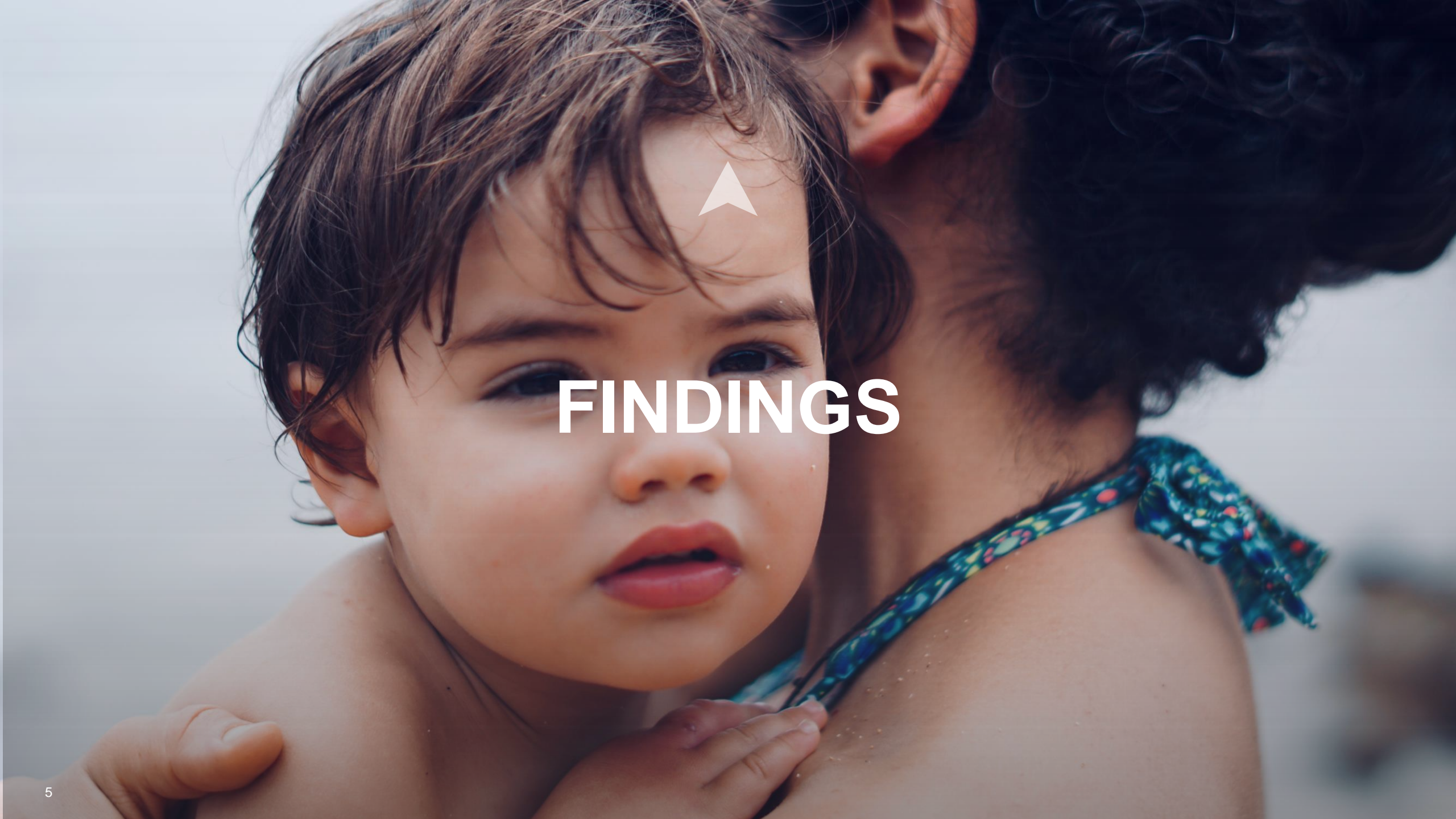
QUESTIONNAIRE

Our survey asked each respondent the following four questions:

How strongly do you agree or disagree with each of the following statements?

<i>Rotate statements</i>	Strongly agree	Tend to agree	Tend to disagree	Strongly disagree	Do not know/ No response
I would like to know as much as possible about my DNA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I'm willing to share my genetic information with my family	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I'm willing to share my genetic information with academic researchers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I'm willing to share my genetic information with pharmaceutical companies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



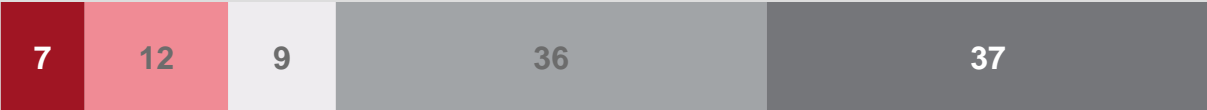


FINDINGS

OVERVIEW EUROPEAN ATTITUDES TOWARDS DNA

Public Opinion in the EU

I would like to know as much as possible about my DNA



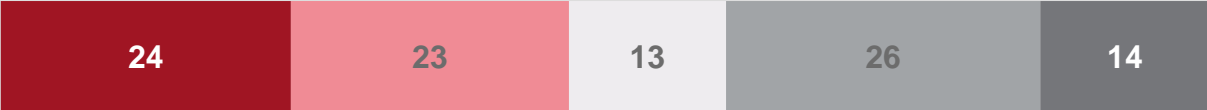
I'm willing to share my genetic information with my family



I'm willing to share my genetic information with academic researchers



I'm willing to share my genetic information with pharmaceutical companies



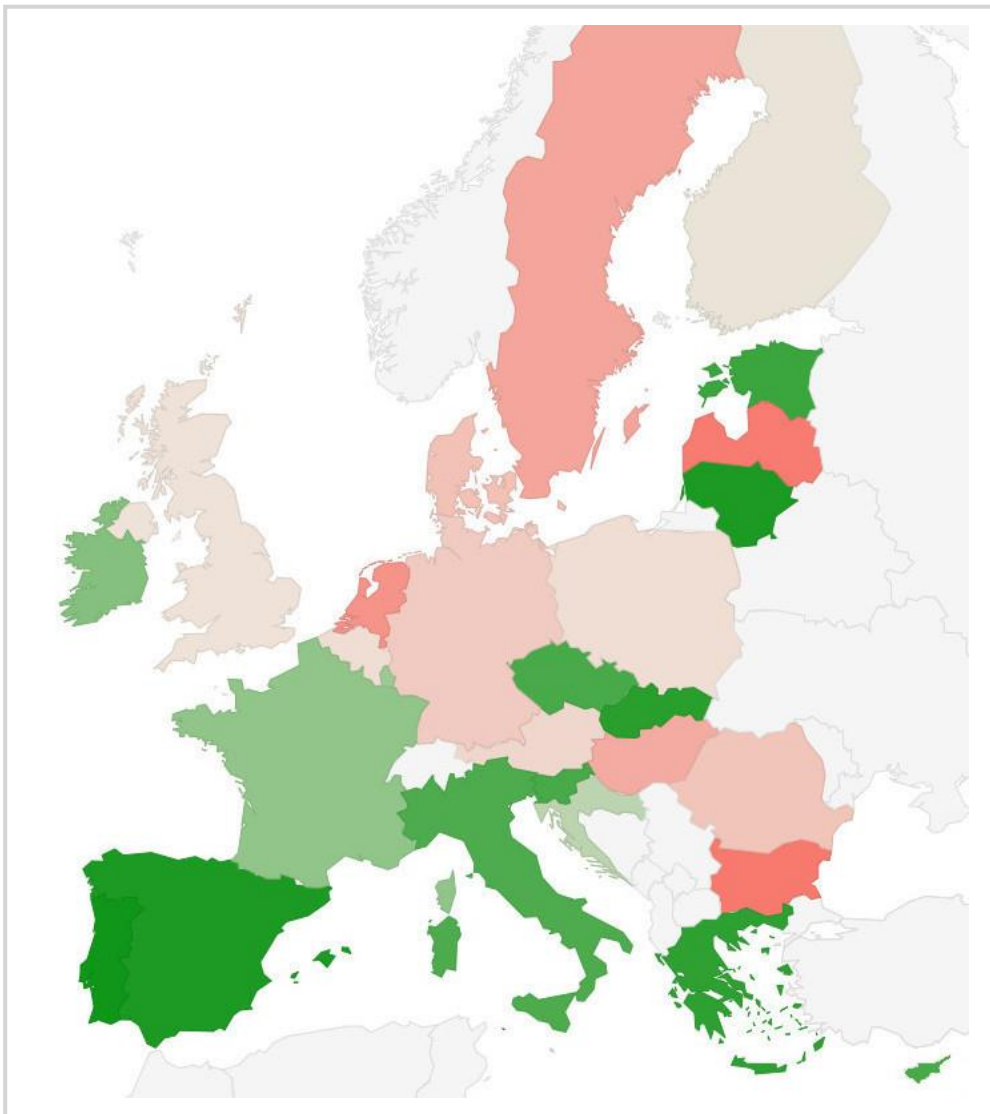
0% 20% 40% 60% 80% 100%

■ Strongly disagree ■ Tend to disagree ■ DK/NR ■ Tend to agree ■ Strongly agree

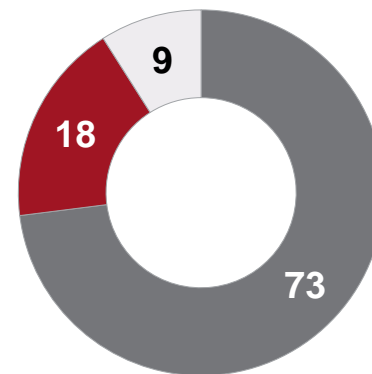
n=28,782
Weighted to be representative of the adult EU population



WANT TO KNOW AS MUCH AS POSSIBLE ABOUT MY DNA



EU-wide Average*:



- Agree
- Don't agree
- Don't know/No response

* Weighted to be representative of the adult EU population

n=28,782

Top 5:



Portugal	5	89
Spain	6	88
Lithuania	6	88
Slovakia	7	87
Greece	9	88

Low 5:



Hungary	31	60
Sweden	29	56
Netherlands	35	56
Latvia	39	52
Bulgaria	34	46

To maximise visibility within the range, the colour scale has been adapted to the lowest and highest net value in each of the maps.



WANT TO KNOW AS MUCH AS POSSIBLE ABOUT MY DNA

Gender:



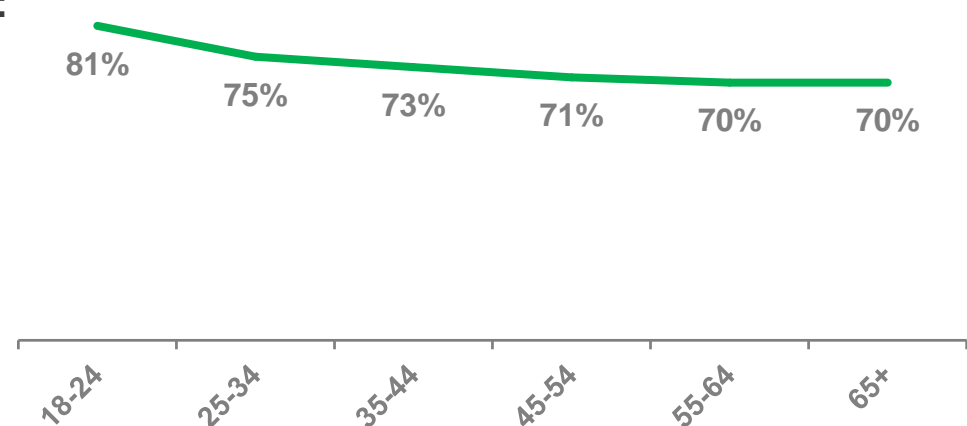
73%



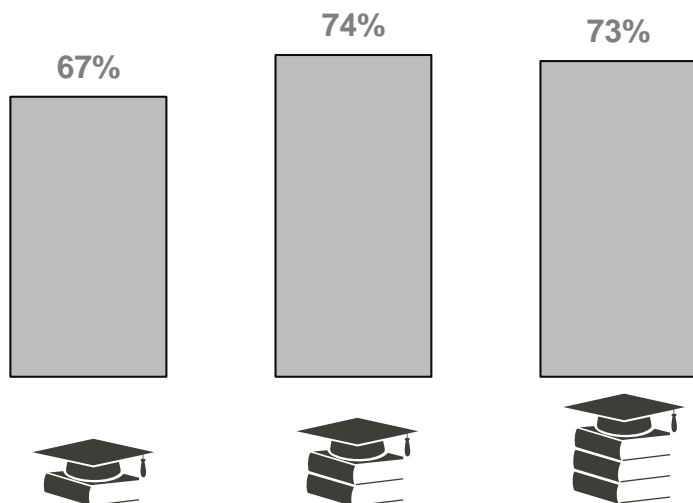
72%

...want to know about their DNA.

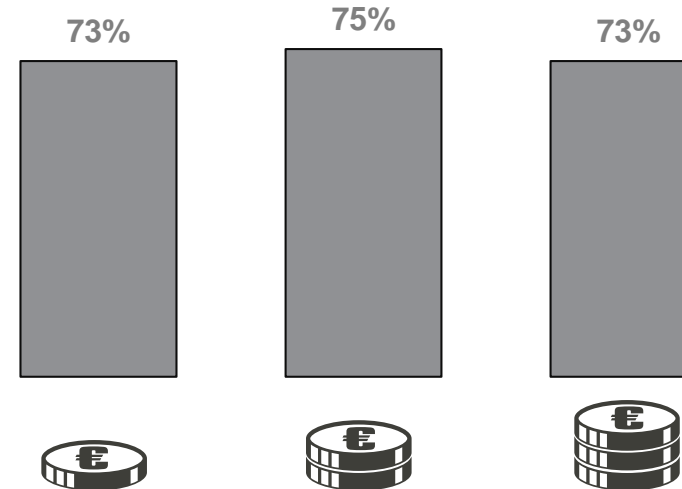
Age:



Education Level*:



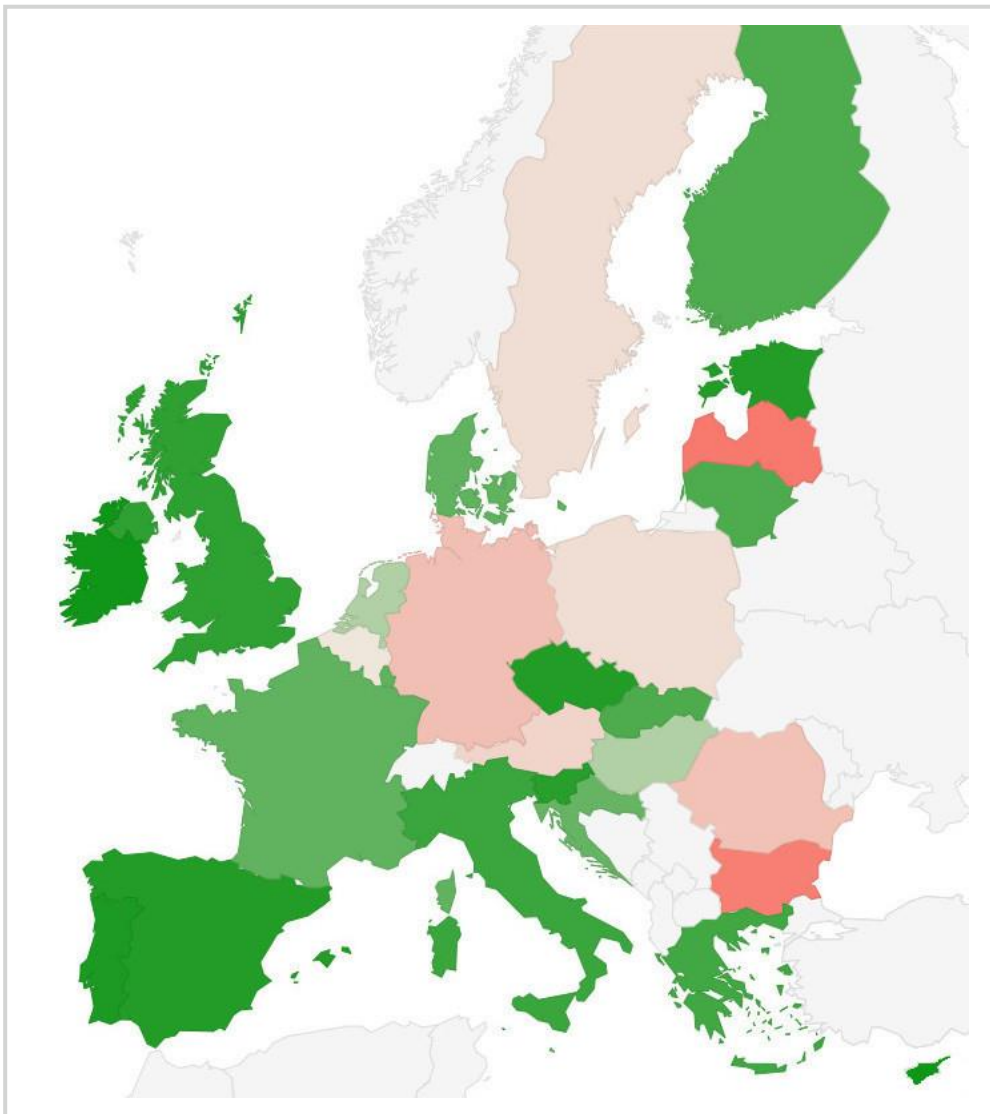
Income Level:



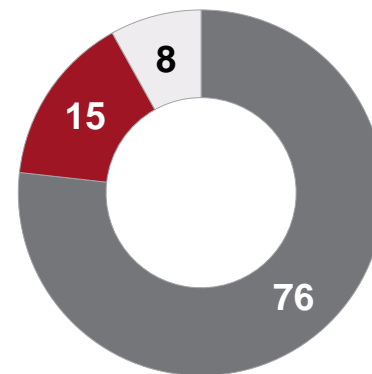
* low education level: none or primary school; medium: secondary school; high: university degree



SHARE GENETIC INFO WITH FAMILY



EU-wide Average*:



- Willing
- Not willing
- Don't know/No response

* Weighted to be representative of the adult EU population

n=28,782

Top 5:



Ireland	7	90
Cyprus	8	90
Portugal	7	88
Czech Republic	8	88
Estonia	7	87

Low 5:



Austria	26	67
Romania	28	63
Germany	28	62
Bulgaria	32	45
Latvia	39	50



SHARE GENETIC INFO WITH FAMILY

Gender:



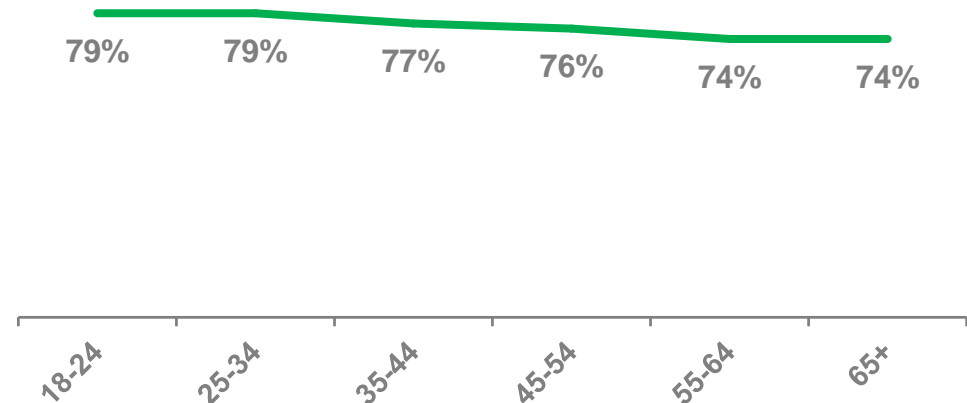
77%



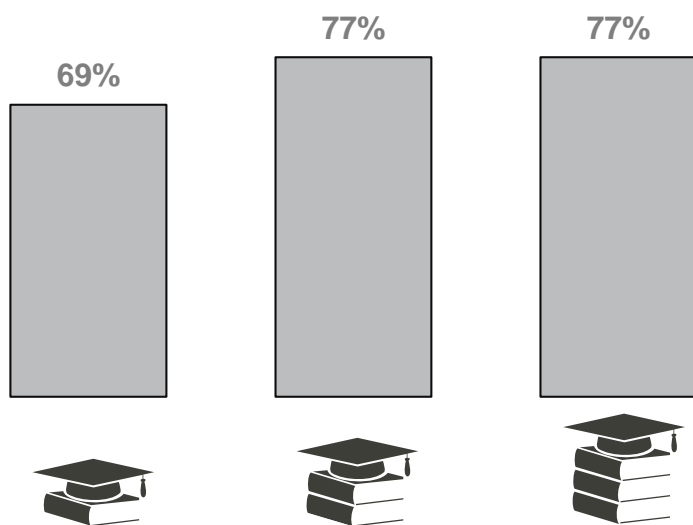
76%

...are willing to share their DNA with their family.

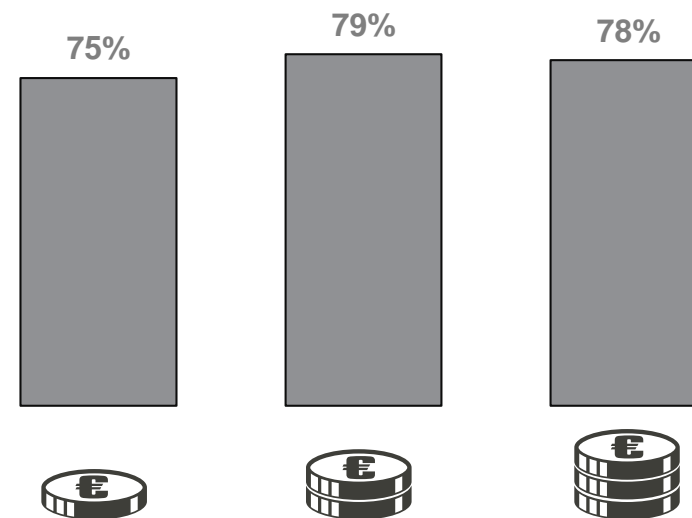
Age:



Education Level*:



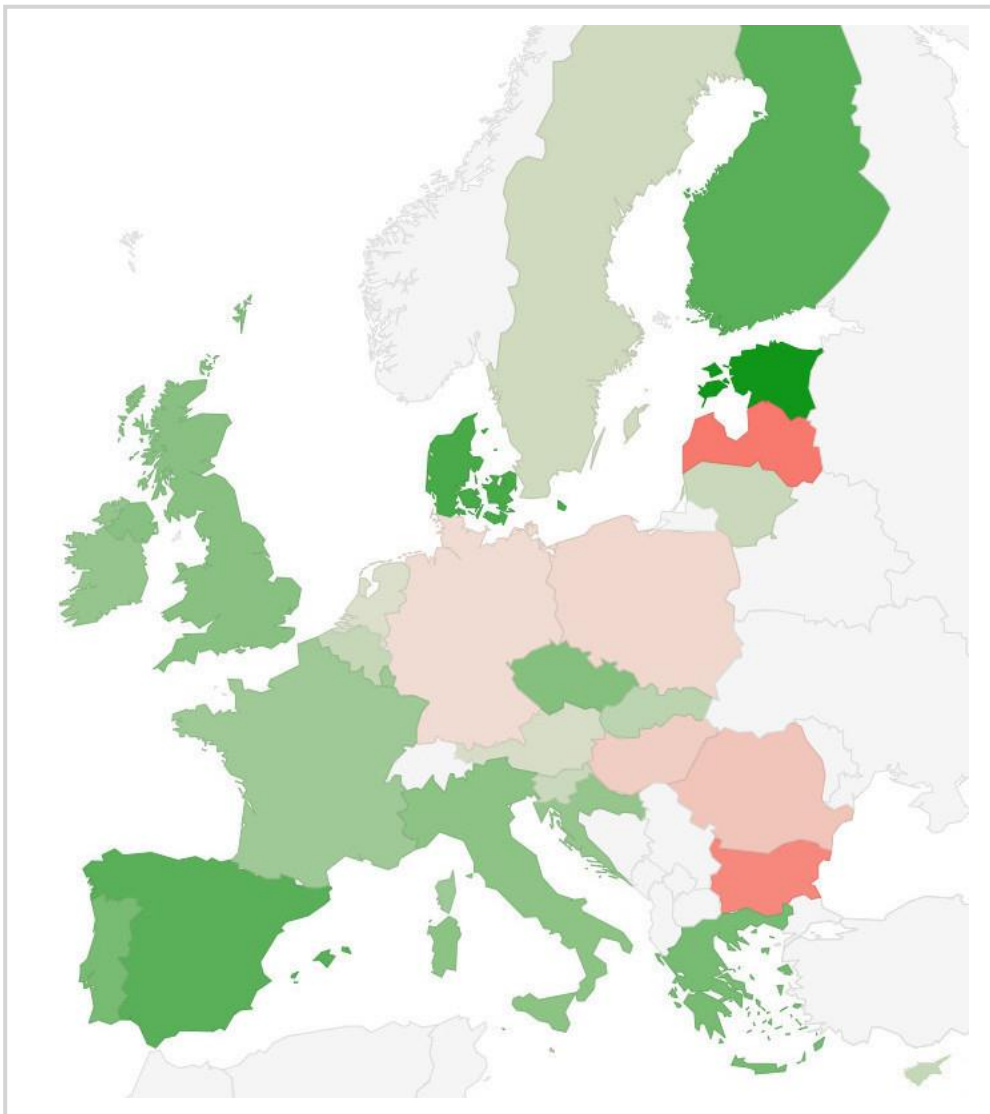
Income Level:



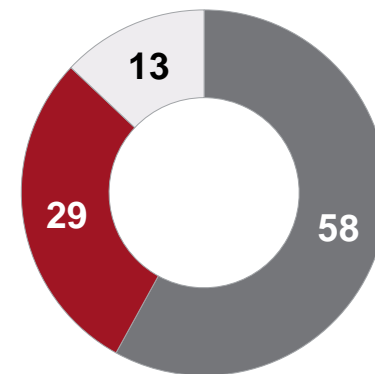
* low education level: none or primary school; medium: secondary school; high: university degree



SHARE GENETIC INFO WITH ACADEMIC RESEARCHERS



EU-wide Average*:

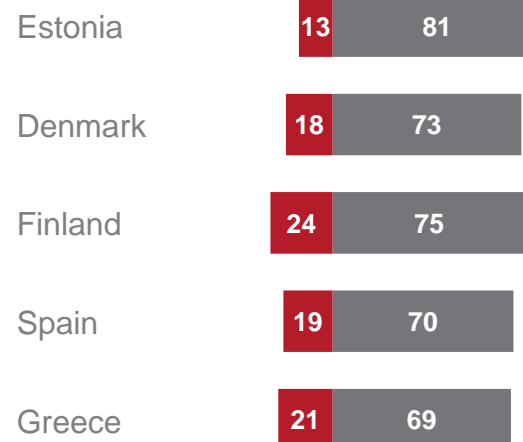


- Willing
- Not willing
- Don't know/No response

* Weighted to be representative of the adult EU population

n=28,782

Top 5:



Low 5:



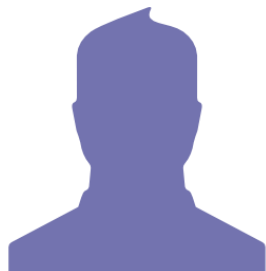


SHARE GENETIC INFO WITH ACADEMIC RESEARCHERS

Gender:



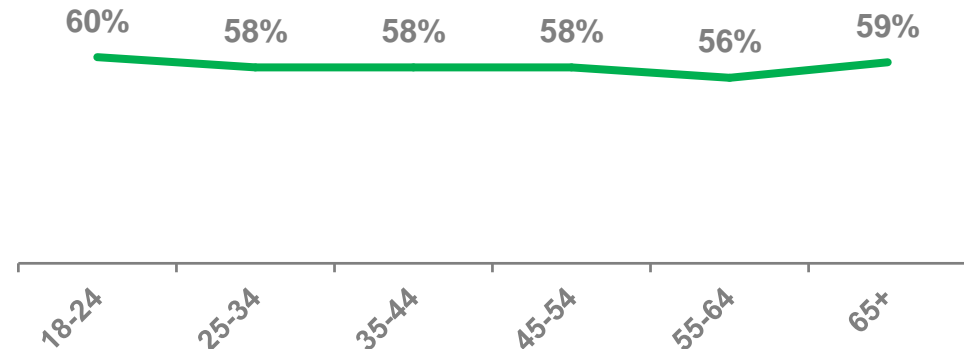
57%



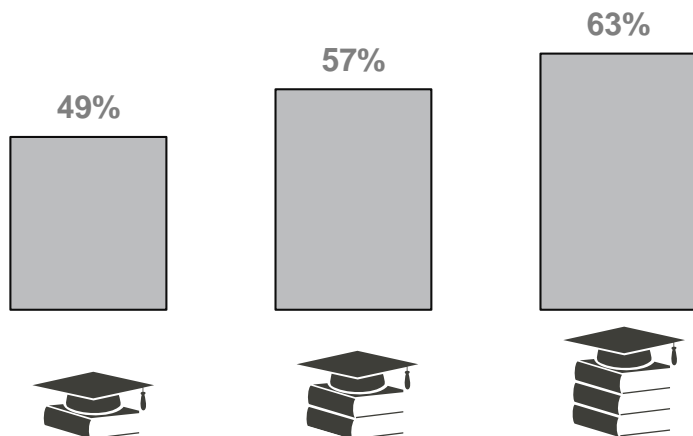
59%

...are willing to share their DNA with academic researchers.

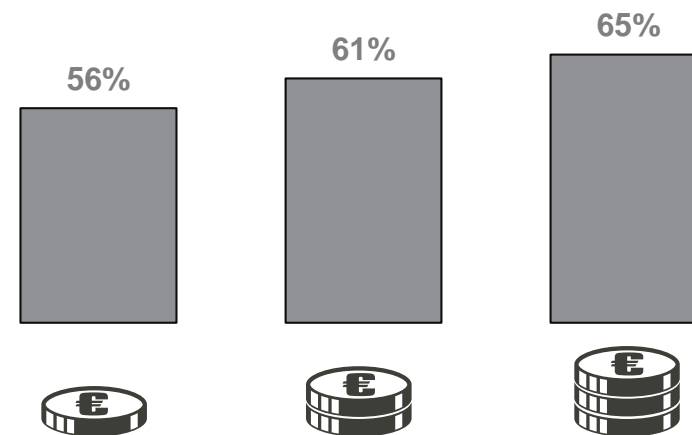
Age:



Education Level*:



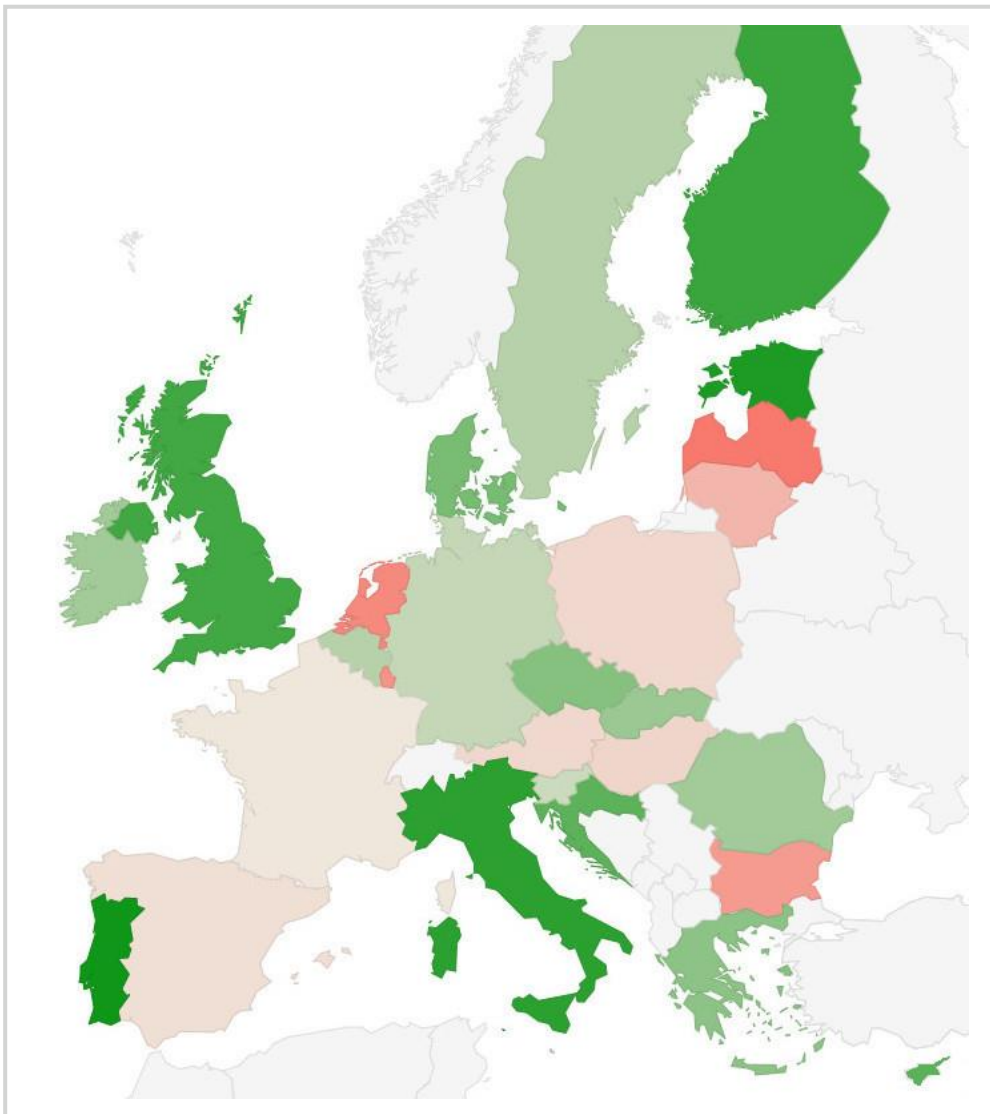
Income Level:



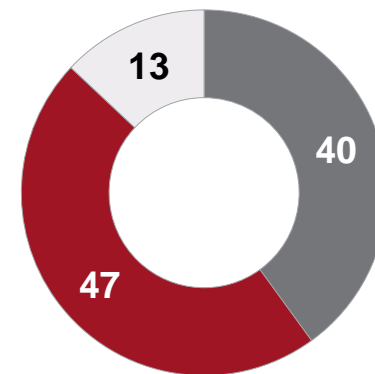
* low education level: none or primary school; medium: secondary school; high: university degree



SHARE GENETIC INFO WITH PHARMACEUTICAL COMPANIES



EU-wide Average*:



- Willing
- Not willing
- Don't know/No response

* Weighted to be representative of the adult EU population

n=28,782

Top 5:



Portugal	35	51
Estonia	38	52
Italy	37	49
Finland	44	54
UK	36	45

Low 5:

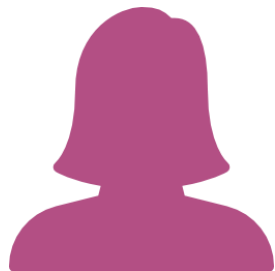


Lithuania	59	29
Bulgaria	58	20
Luxembourg	68	28
Netherlands	66	23
Latvia	68	20



SHARE GENETIC INFO WITH PHARMACEUTICAL COMPANIES

Gender:



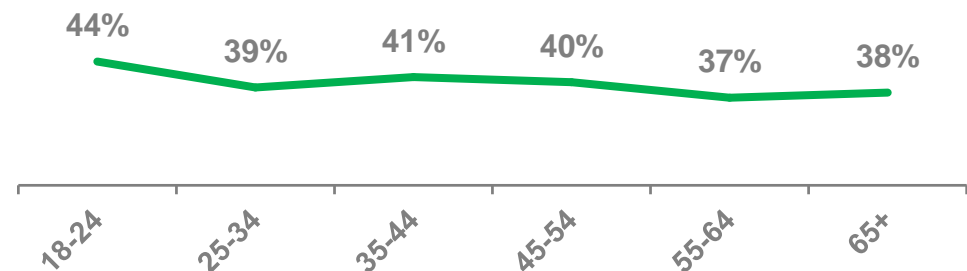
39%



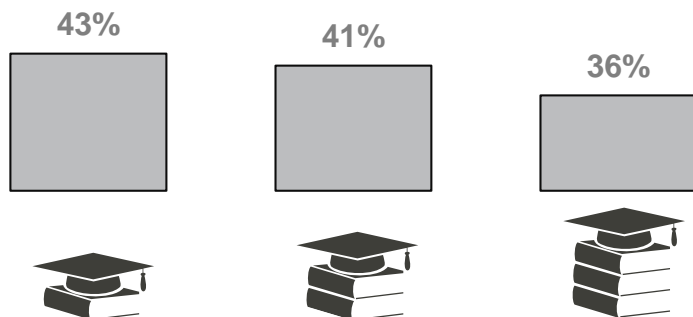
40%

...are willing to share their DNA with pharmaceutical companies.

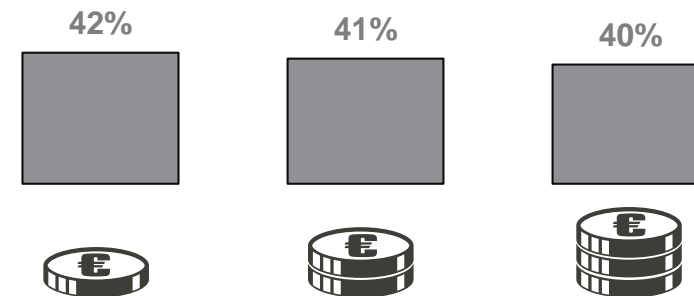
Age:



Education Level*:



Income Level:



* low education level: none or primary school; medium: secondary school; high: university degree