### **Pakistan**

A summary of public attitudes to science and health challenges in Pakistan, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 17 August 2018.

### Country health indicators1: GDP per capita in PPP, international current dollars 5,527.38 (World Bank) GINI coefficient, most recent value 33.50 Life expectancy from birth (WB) 66.48 61.20 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 293.65 most recent value Research and development as percentage of GDP, 0.25% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 4.5% 50-64 years 8.8% 9.0% 15.7% 35-49 years 15.6% 16.3% 25-34 years 16.2% 19.9% 19.9% 15-24 years 35.0% 34.6% 0-14 years 60% 20% 0% 0%

# 43% said they learned about science at secondary school

PERCENTAGE OF PEOPLE WHO SAID YES

100

80

60

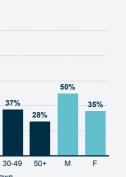
40

20

Overall

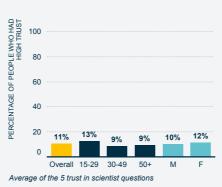
See Q5B in Question breakdown

15-29



Male/Female

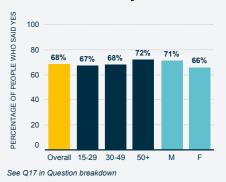
11% have high trust for the Trust in Science Index



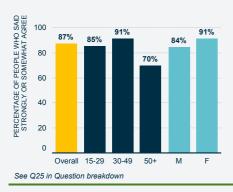
68% said science benefits people like them in this country

Male

Female

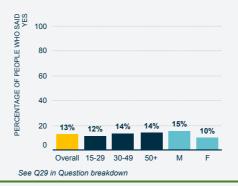


87% said they think vaccines are safe

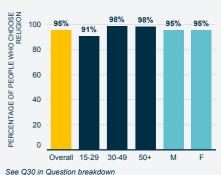


Age

13% said that science disagrees with their religion



95% said they choose religion when science disagrees with their religion



<sup>1</sup> World Bank, World Population Report, 2018

<sup>2</sup> United Nations, World Population Report, 2018

Pakistan: Country-level findings

Overall

Wellcome

#### **Pakistan**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? 8% Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 43% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? Q10A Do you have confidence in non profit organisations? 38% Q10B Do you have confidence in hospitals/health clinics? 79% Q11A How much do you trust people in your neighbourhood? 45% Q11B How much do you trust this country's national government? 15% Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? 16% Q11E How much do you trust doctors & nurses in this country? 36% Q11F How much do you trust NGO workers in this country? 10% Q11G How much do you trust traditional healers in this country? 24% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 16% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 17% Q14B How much do you trust college & universite scientists to be open & honest 11% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 9% Q16 How much of the population does science benefit in this country? 11% 28% Q17 Does the work that scientists do benefit people like you? 68% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 16% 12% 11% 62% Q20 Which of the following people do you trust for medical/health advice? 59% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 6% 23% advice Q22 How much do you trust medical & health advice from doctors/nurses? 31% 5% Q23 Before today, had you ever heard of a vaccine? 73% Q24 How much do you agree that vaccines are important for children to have? 83% Attitudes to Q25 How much do you agree that vaccines are safe? 72% vaccines Q26 How much do you agree that vaccines are effective? 4% 49 Q28 If you have children, have your children received a vaccine? 94% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 18% 13% religion Q30 When science disagrees with your religion, do you believe science? 20% 40% 80% 0% 60% 100% Yes / Higher No / Lower For scaled questions



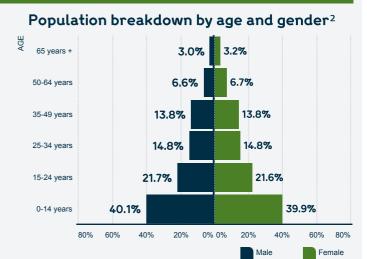
## **Palestine**

A summary of public attitudes to science and health challenges in Palestine, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

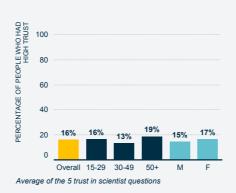
The study was completed on 14 August 2018.

### Country health indicators1: GDP per capita in PPP, international current dollars 4,885.34 (World Bank) GINI coefficient, most recent value 33.70 Life expectancy from birth (WB) 73.47 17.80 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 564.54 most recent value Research and development as percentage of GDP, 0.49% most recent value



# 68% said they learned about science at secondary school

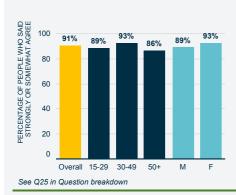
## 16% have high trust for the Trust in Science Index



56% said science benefits people like them in this country



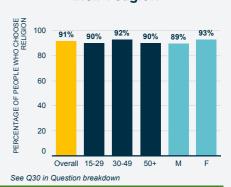
91% said they think vaccines are safe



39% said that science disagrees with their religion



91% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Palestine: Country-level findings

Wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### **Palestine**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 27% 68% education Q5C Did you learn about science at college/university? 60% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 78% Q10A Do you have confidence in non profit organisations? 47% 40% 13% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 30% Q11B How much do you trust this country's national government? 17% Confidence & trust in science & Q11C How much do you trust scientists in this country? 25% institutions Q11D How much do you trust journalists in this country? 28% 11% Q11E How much do you trust doctors & nurses in this country? 25% Q11F How much do you trust NGO workers in this country? Q11G How much do you trust traditional healers in this country? 28% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 26% Q14B How much do you trust college & universite scientists to be open & honest 16% Q15A How much do you trust corporate scientists to do work that benefits the public? 21% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 14% Q16 How much of the population does science benefit in this country? 9% 24% Q17 Does the work that scientists do benefit people like you? 56% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 59% Q20 Which of the following people do you trust for medical/health advice? 71% Trust in sources of medical/health 7% 4% Q21 How much do you trust medical & health advice from this country's government? 5% 6% 30% advice Q22 How much do you trust medical & health advice from doctors/nurses? 31% Q23 Before today, had you ever heard of a vaccine? 98% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 4% 80% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 99% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 49% 39% 12% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 100% 40% 60% 80% Yes / Higher No / Lower 4 For scaled questions



### **Panama**

A summary of public attitudes to science and health challenges in Panama, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 1 November 2018.

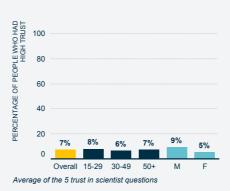
### Country health indicators1: GDP per capita in PPP, international current dollars 24,468.94 (World Bank) GINI coefficient, most recent value 50.40 Life expectancy from birth (WB) 78.00 Mortality rate per live 1000 births, most recent value 13.90 Number of researchers working in R & D per million, 39.08 most recent value Research and development as percentage of GDP, 0.06% most recent value

#### Population breakdown by age and gender<sup>2</sup> 8.0% 65 years + 50-64 years 12.6% 12.8% 19.9% 35-49 years 19.9% 15.2% 25-34 years 15.3% 16.6% 15-24 years 16.8% 27.9% 27.4% 0-14 years 60% 60% 0% 0% 20% 40%

# 71% said they learned about science at secondary school



## 7% have high trust for the Trust in Science Index



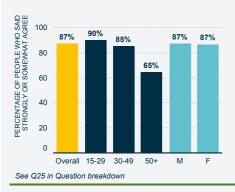
46% said science benefits people like them in this country

Male

Female



87% said they think vaccines are safe



35% said that science disagrees with their religion



74% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Panama: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### **Panama**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? education Q5C Did you learn about science at college/university? 25% 27% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 78% Q10A Do you have confidence in non profit organisations? 50% 35% Q10B Do you have confidence in hospitals/health clinics? 61% Q11A How much do you trust people in your neighbourhood? Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 26% Q11F How much do you trust NGO workers in this country? 9% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 22% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 13% Q14B How much do you trust college & universite scientists to be open & honest 11% Q15A How much do you trust corporate scientists to do work that benefits the public? 13% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 13% Q16 How much of the population does science benefit in this country? 19% Q17 Does the work that scientists do benefit people like you? 46% 10% 43% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 48% Q20 Which of the following people do you trust for medical/health advice? 64% 6% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 10% 19% advice Q22 How much do you trust medical & health advice from doctors/nurses? 4% 6% 23% Q23 Before today, had you ever heard of a vaccine? 86% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 66% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 93% D1 Do you have a religion 88% 9% Science and Q29 Has science ever disagreed with the teachings of your religion? 61% 35% 4% religion Q30 When science disagrees with your religion, do you believe science? 16% . 0% 20% 40% 60% 100% 80% No / Lower Yes / Higher For scaled questions



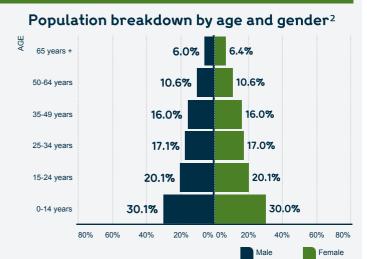
## **Paraguay**

A summary of public attitudes to science and health challenges in Paraguay, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 30 November 2018.

### Country health indicators1: GDP per capita in PPP, international current dollars 13,081.58 (World Bank) GINI coefficient, most recent value 47.90 Life expectancy from birth (WB) 73.12 17.80 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 184.06 most recent value Research and development as percentage of GDP, 0.13% most recent value



# 59% said they learned about science at secondary school



## 8% have high trust for the Trust in Science Index



31% said science benefits people like them in this country



78% said they think vaccines are safe



37% said that science disagrees with their religion



67% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Paraguay: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## **Paraguay**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 12% Q5A Did you learn about science at primary school? 13% Perceived level Q5B Did you learn about science at secondary school? 30% 59% education Q5C Did you learn about science at college/university? 23% 54% Q6 Have you tried to get science information in the past 30 days? 74% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 84% Q10A Do you have confidence in non profit organisations? 53% Q10B Do you have confidence in hospitals/health clinics? 67% Q11A How much do you trust people in your neighbourhood? 38% Q11B How much do you trust this country's national government? 12% Confidence & trust in science & Q11C How much do you trust scientists in this country? 15% 12% institutions Q11D How much do you trust journalists in this country? 18% Q11E How much do you trust doctors & nurses in this country? 32% Q11F How much do you trust NGO workers in this country? 10% 11% Q11G How much do you trust traditional healers in this country? 27% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 23% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 15% Q14B How much do you trust college & universite scientists to be open & honest 11% 16% Q15A How much do you trust corporate scientists to do work that benefits the public? 13% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 10% Q16 How much of the population does science benefit in this country? 15% 10% Q17 Does the work that scientists do benefit people like you? 48% 31% Benefits of Q18 Do you think science & technology will improve life for the next generation? 62% Q19 Do you think science & technology will increase the number of jobs in your local 45% Q20 Which of the following people do you trust for medical/health advice? 63% Trust in sources of medical/health 19% Q21 How much do you trust medical & health advice from this country's government? 4% 6% 20% advice Q22 How much do you trust medical & health advice from doctors/nurses? 27% Q23 Before today, had you ever heard of a vaccine? 88% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 60% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 96% D1 Do you have a religion 96% Science and Q29 Has science ever disagreed with the teachings of your religion? 43% 37% 21% religion Q30 When science disagrees with your religion, do you believe science? 0% 40% 60% 100% 20% 80% No / Lower Yes / Higher For scaled questions



Peru

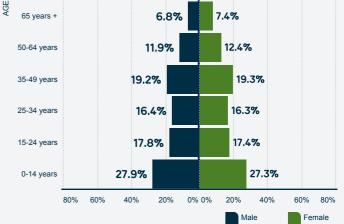
A summary of public attitudes to science and health challenges in Peru, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 15 June 2018.

#### Country health indicators1: GDP per capita in PPP, international current dollars 13,434.23 (World Bank) GINI coefficient, most recent value 43.80 Life expectancy from birth (WB) 74.98 11.60 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, N/A most recent value Research and development as percentage of GDP, N/A most recent value

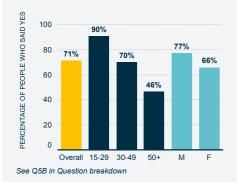
### Population breakdown by age and gender<sup>2</sup> 65 years + 7.4% 50-64 years 11.9% 12.4%

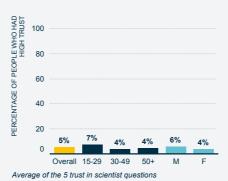


## 71% said they learned about science at secondary school

# 5% have high trust for the Trust in Science Index

47% said science benefits people like them in this country



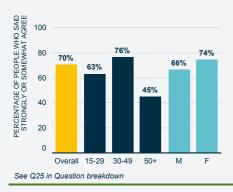




### 70% said they think vaccines are safe

## 58% said that science disagrees with their religion

68% said they choose religion when science disagrees with their religion







Male/Female Overall Age

Peru: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018 <sup>2</sup> United Nations, World Population Report, 2018

### Peru

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 89% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? education Q5C Did you learn about science at college/university? 33% 35% Q6 Have you tried to get science information in the past 30 days? 36% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 9% 90% Q9 Would you like to know more about medicine/disease/health? 92% Q10A Do you have confidence in non profit organisations? 58% 29% 12% Q10B Do you have confidence in hospitals/health clinics? 49% Q11A How much do you trust people in your neighbourhood? 10% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 14% institutions Q11D How much do you trust journalists in this country? 8% Q11E How much do you trust doctors & nurses in this country? 16% Q11F How much do you trust NGO workers in this country? 5% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 19% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 12% 9% Q14B How much do you trust college & universite scientists to be open & honest 12% 6% Q15A How much do you trust corporate scientists to do work that benefits the public? 10% 8% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 8% Q16 How much of the population does science benefit in this country? 9% 16% Q17 Does the work that scientists do benefit people like you? 47% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 11% 34% 51% Q20 Which of the following people do you trust for medical/health advice? 70% 6% 6% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 5% 10% 11% advice Q22 How much do you trust medical & health advice from doctors/nurses? 4% 8% Q23 Before today, had you ever heard of a vaccine? 91% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 43% 8% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 6% D1 Do you have a religion 4% 95% Science and Q29 Has science ever disagreed with the teachings of your religion? 35% 58% 7% religion Q30 When science disagrees with your religion, do you believe science? . 0% 100% 20% 40% 80% 60% No / Lower Yes / Higher For scaled questions



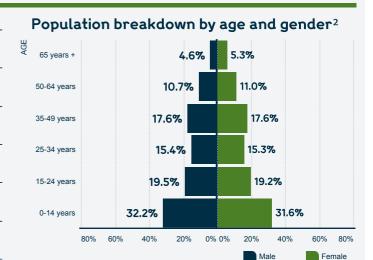
# **Philippines**

A summary of public attitudes to science and health challenges in Philippines, based on a sample of 1,000 interviews.

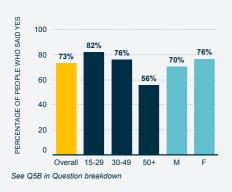
The interview type for this country was face to face.

The study was completed on 1 October 2018.

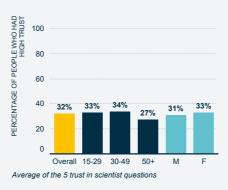
### Country health indicators1: GDP per capita in PPP, international current dollars 8,342.80 (World Bank) GINI coefficient, most recent value N/A Life expectancy from birth (WB) 69.09 22.20 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 187.66 most recent value Research and development as percentage of GDP, 0.14% most recent value



# 73% said they learned about science at secondary school



32% have high trust for the Trust in Science Index



78% said science benefits people like them in this country



79% said they think vaccines are safe



38% said that science disagrees with their religion



74% said they choose religion when science disagrees with their religion



Philippines: Country-level findings



Overall Age Male/Female

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## **Philippines**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 82% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 73% 24% education Q5C Did you learn about science at college/university? 62% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? Q10A Do you have confidence in non profit organisations? 25% 74% Q10B Do you have confidence in hospitals/health clinics? 85% Q11A How much do you trust people in your neighbourhood? 37% Q11B How much do you trust this country's national government? 38% Confidence & trust in science & Q11C How much do you trust scientists in this country? 36% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? Q11F How much do you trust NGO workers in this country? 36% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 41% Q13 How much do you trust scientists to find out accurate information? 44% Q14A How much do you trust college & university scientists to do work that benefits Trust in science 43% Q14B How much do you trust college & universite scientists to be open & honest scientists 32% Q15A How much do you trust corporate scientists to do work that benefits the public? 45% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 39% Q16 How much of the population does science benefit in this country? 46% Q17 Does the work that scientists do benefit people like you? 78% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 5% 76% Q20 Which of the following people do you trust for medical/health advice? 70% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 46% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 94% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 5% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 92% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 38% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 100% 40% 60% 80% No / Lower 4 Yes / Higher For scaled questions



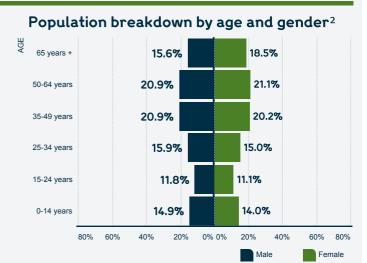
## **Poland**

A summary of public attitudes to science and health challenges in Poland, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 28 December 2018.

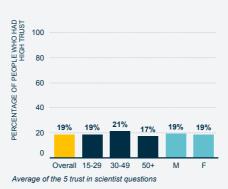
### Country health indicators1: GDP per capita in PPP, international current dollars 29,122.09 (World Bank) GINI coefficient, most recent value N/A Life expectancy from birth (WB) 77.45 4.00 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 2,158.46 most recent value Research and development as percentage of GDP, 0.97% most recent value



## 66% said they learned about science at secondary school



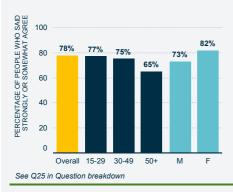
## 19% have high trust for the Trust in Science Index



70% said science benefits people like them in this country



78% said they think vaccines are safe



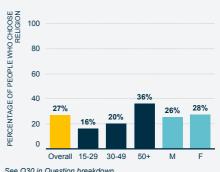
Age

Male/Female

40% said that science disagrees with their religion



27% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

<sup>1</sup> World Bank, World Population Report, 2018

Overall

<sup>2</sup> United Nations, World Population Report, 2018

Poland: Country-level findings



### **Poland**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 66% education Q5C Did you learn about science at college/university? 24% 46% Q6 Have you tried to get science information in the past 30 days? 23% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 44% Q10A Do you have confidence in non profit organisations? **57**% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 23% Q11B How much do you trust this country's national government? 12% Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 32% Q11F How much do you trust NGO workers in this country? 20% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 25% Q13 How much do you trust scientists to find out accurate information? 22% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 27% Q14B How much do you trust college & universite scientists to be open & honest 17% Q15A How much do you trust corporate scientists to do work that benefits the public? 20% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 17% Q16 How much of the population does science benefit in this country? 39% Q17 Does the work that scientists do benefit people like you? 11% 70% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 15% 35% Q20 Which of the following people do you trust for medical/health advice? 5% 72% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 7% 7% advice Q22 How much do you trust medical & health advice from doctors/nurses? . 36% Q23 Before today, had you ever heard of a vaccine? 87% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 94% D1 Do you have a religion 96% Science and Q29 Has science ever disagreed with the teachings of your religion? 40% 16% religion Q30 When science disagrees with your religion, do you believe science? 39% . 0% 20% 40% 60% 80% 100% No / Lower Yes / Higher For scaled questions



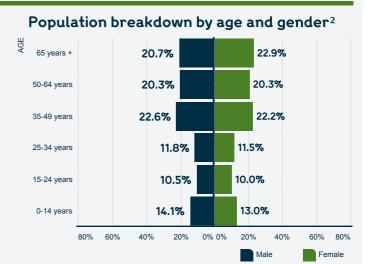
## **Portugal**

A summary of public attitudes to science and health challenges in Portugal, based on a sample of 1,001 interviews.

The interview type for this country was telephone.

The study was completed on 4 June 2018.

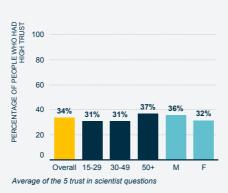
### Country health indicators1: GDP per capita in PPP, international current dollars 31,672.71 (World Bank) GINI coefficient, most recent value 35.50 Life expectancy from birth (WB) 81.13 3.10 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 3,928.60 most recent value Research and development as percentage of GDP, 1.27% most recent value



# 73% said they learned about science at secondary school



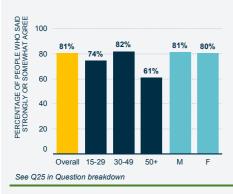
34% have high trust for the Trust in Science Index



70% said science benefits people like them in this country



81% said they think vaccines are safe



46% said that science disagrees with their religion



24% said they choose religion when science disagrees with their religion



Portugal: Country-level findings



Overall Age Male/Female

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## **Portugal**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 73% education Q5C Did you learn about science at college/university? 26% 47% Q6 Have you tried to get science information in the past 30 days? 61% 39% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 23% Q9 Would you like to know more about medicine/disease/health? 82% Q10A Do you have confidence in non profit organisations? 41% 27% 32% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 31% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 54% Q11F How much do you trust NGO workers in this country? 12% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 50% Q14A How much do you trust college & university scientists to do work that benefits Trust in science 48% Q14B How much do you trust college & universite scientists to be open & honest scientists 28% Q15A How much do you trust corporate scientists to do work that benefits the public? 23% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 16% Q16 How much of the population does science benefit in this country? 31% Q17 Does the work that scientists do benefit people like you? 70% Benefits of Q18 Do you think science & technology will improve life for the next generation? 5% 10% Q19 Do you think science & technology will increase the number of jobs in your local 15% Q20 Which of the following people do you trust for medical/health advice? 82% Trust in sources of medical/health 12% Q21 How much do you trust medical & health advice from this country's government? 5% 31% advice Q22 How much do you trust medical & health advice from doctors/nurses? 49% Q23 Before today, had you ever heard of a vaccine? 98% Q24 How much do you agree that vaccines are important for children to have? 86% Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 91% D1 Do you have a religion 83% Science and Q29 Has science ever disagreed with the teachings of your religion? 46% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 40% 60% 100% 80% No / Lower Yes / Higher For scaled questions



### Romania

A summary of public attitudes to science and health challenges in Romania, based on a sample of 1,002 interviews.

The interview type for this country was face to face.

The study was completed on 23 August 2018.

### Country health indicators1: GDP per capita in PPP, international current dollars 26,656.77 (World Bank) GINI coefficient, most recent value 35.90 Life expectancy from birth (WB) 75.01 6.60 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 912.42 most recent value Research and development as percentage of GDP, 0.48% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 19.8% 17.0% 50-64 years 19.3% 19.7% 22.5% 35-49 years 23.4% 12.8% 25-34 years 13.6% 10.6% 15-24 years 11.2% 15.4% 14.6% 0-14 years 60% 40% 60%

# 67% said they learned about science at secondary school



# 21% have high trust for the Trust in Science Index



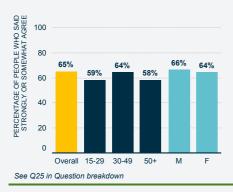
49% said science benefits people like them in this country

Male

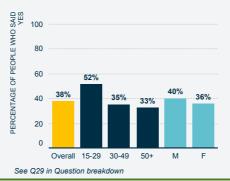
Female



65% said they think vaccines are safe



38% said that science disagrees with their religion



36% said they choose religion when science disagrees with their religion



Overall Age Male/Female



Romania: Country-level findings

Wellcome

#### Romania

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 33% science Q3 Do you think studying disease is a part of science? 5% 4% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 67% education Q5C Did you learn about science at college/university? 25% 49% Q6 Have you tried to get science information in the past 30 days? 66% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 84% Q10A Do you have confidence in non profit organisations? 42% 44% Q10B Do you have confidence in hospitals/health clinics? 59% Q11A How much do you trust people in your neighbourhood? 36% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 8% 39% institutions Q11D How much do you trust journalists in this country? 21% Q11E How much do you trust doctors & nurses in this country? 38% Q11F How much do you trust NGO workers in this country? 17% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 6% 6% Q13 How much do you trust scientists to find out accurate information? 7% 6% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 10% 28% Q14B How much do you trust college & universite scientists to be open & honest 24% 14% Q15A How much do you trust corporate scientists to do work that benefits the public? 11% 24% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 20% Q16 How much of the population does science benefit in this country? 9% 28% Q17 Does the work that scientists do benefit people like you? 49% 13% 38% Benefits of Q18 Do you think science & technology will improve life for the next generation? 8% Q19 Do you think science & technology will increase the number of jobs in your local 12% 9% 41% Q20 Which of the following people do you trust for medical/health advice? 73% Trust in sources of medical/health 17% Q21 How much do you trust medical & health advice from this country's government? 7% advice Q22 How much do you trust medical & health advice from doctors/nurses? 45% Q23 Before today, had you ever heard of a vaccine? 95% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? 8% Q28 If you have children, have your children received a vaccine? 93% D1 Do you have a religion 99% Science and Q29 Has science ever disagreed with the teachings of your religion? 44% 38% 18% religion Q30 When science disagrees with your religion, do you believe science? 80% 0% 20% 60% 100% 40% No / Lower Yes / Higher For scaled questions



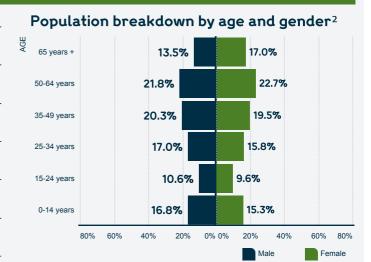
Russia

A summary of public attitudes to science and health challenges in Russia, based on a sample of 2,000 interviews.

The interview type for this country was face to face.

The study was completed on 4 October 2018.

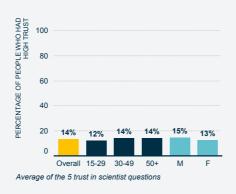
### Country health indicators1: GDP per capita in PPP, international current dollars 25,533.00 (World Bank) GINI coefficient, most recent value 37.70 Life expectancy from birth (WB) 71.59 6.50 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 2,979.10 most recent value Research and development as percentage of GDP, 1.10% most recent value



## 88% said they learned about science at secondary school

PERCENTAGE OF PEOPLE WHO SAID YES 100 88% 82% 80 60 40 20 Overall М 15-29 30-49 50+ See Q5B in Question breakdown

## 14% have high trust for the Trust in Science Index



62% said science benefits people like them in this country



### 45% said they think vaccines are safe



Age

Male/Female

35% said that science disagrees with their religion



19% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

Overall

Russia: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

### Russia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 88% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 33% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 66% Q10A Do you have confidence in non profit organisations? 29% Q10B Do you have confidence in hospitals/health clinics? 54% 11% Q11A How much do you trust people in your neighbourhood? 28% Q11B How much do you trust this country's national government? 21% Confidence & trust in science & Q11C How much do you trust scientists in this country? 29% institutions Q11D How much do you trust journalists in this country? 10% Q11E How much do you trust doctors & nurses in this country? 23% Q11F How much do you trust NGO workers in this country? 13% Q11G How much do you trust traditional healers in this country? 8% Q12 How much do you trust science? 24% Q13 How much do you trust scientists to find out accurate information? 23% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 20% Q14B How much do you trust college & universite scientists to be open & honest 23% 6% 13% Q15A How much do you trust corporate scientists to do work that benefits the public? 14% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 23% 11% Q16 How much of the population does science benefit in this country? 7% 43% Q17 Does the work that scientists do benefit people like you? 62% 14% 24% Benefits of Q18 Do you think science & technology will improve life for the next generation? 8% 10% Q19 Do you think science & technology will increase the number of jobs in your local 42% 28% Q20 Which of the following people do you trust for medical/health advice? 5% 70% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 16% advice Q22 How much do you trust medical & health advice from doctors/nurses? 22% 6% Q23 Before today, had you ever heard of a vaccine? 91% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 30% vaccines Q26 How much do you agree that vaccines are effective? 8% Q28 If you have children, have your children received a vaccine? 4% 4% D1 Do you have a religion 7% 5% 88% Science and Q29 Has science ever disagreed with the teachings of your religion? 35% 28% religion Q30 When science disagrees with your religion, do you believe science? 50% . 0% 20% 60% 100% 40% 80% No / Lower Yes / Higher For scaled questions



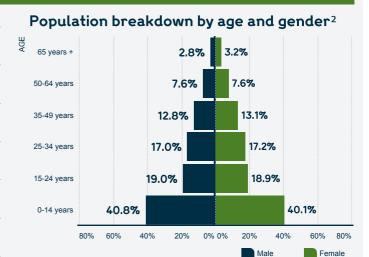
## Rwanda

A summary of public attitudes to science and health challenges in Rwanda, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 30 July 2018.

#### Country health indicators1: GDP per capita in PPP, international current dollars 2,039.17 (World Bank) GINI coefficient, most recent value 45.10 67.13 Life expectancy from birth (WB) Mortality rate per live 1000 births, most recent value 28.90 Number of researchers working in R & D per million, 12.35 most recent value Research and development as percentage of GDP, N/A most recent value



# 20% said they learned about science at secondary school

PERCENTAGE OF PEOPLE WHO SAID YES

100

80

60

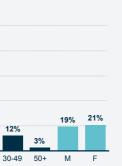
40

20

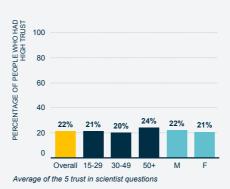
Overall

See Q5B in Question breakdown

15-29



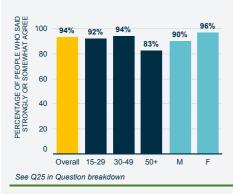
22% have high trust for the Trust in Science Index



71% said science benefits people like them in this country



94% said they think vaccines are safe



19% said that science disagrees with their religion



81% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Rwanda: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### Rwanda

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 10% science Q3 Do you think studying disease is a part of science? 23% 7% Q5A Did you learn about science at primary school? 10% **52**% Perceived level Q5B Did you learn about science at secondary school? 20% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 77% 16% Q7 Have you tried to get health information in the past 30 days? 45% Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 90% Q10A Do you have confidence in non profit organisations? 76% 9% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 36% Q11B How much do you trust this country's national government? 84% Confidence & trust in science & Q11C How much do you trust scientists in this country? 26% 25% institutions Q11D How much do you trust journalists in this country? 10% Q11E How much do you trust doctors & nurses in this country? Q11F How much do you trust NGO workers in this country? 15% 5% 36% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 25% Q13 How much do you trust scientists to find out accurate information? 24% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 27% 32% Q14B How much do you trust college & universite scientists to be open & honest 34% 22% Q15A How much do you trust corporate scientists to do work that benefits the public? 26% 29% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 34% 22% Q16 How much of the population does science benefit in this country? 18% 42% Q17 Does the work that scientists do benefit people like you? 71% 19% 11% Benefits of Q18 Do you think science & technology will improve life for the next generation? 84% 4% Q19 Do you think science & technology will increase the number of jobs in your local 16% 62% Q20 Which of the following people do you trust for medical/health advice? 6% 76% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? advice Q22 How much do you trust medical & health advice from doctors/nurses? 4% Q23 Before today, had you ever heard of a vaccine? 83% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 4% 82% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? D1 Do you have a religion 99% Science and Q29 Has science ever disagreed with the teachings of your religion? 26% 19% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 40% 80% 100% 60% Yes / Higher No / Lower For scaled questions



### Saudi Arabia

A summary of public attitudes to science and health challenges in Saudi Arabia, based on a sample of 1,016 interviews.

The interview type for this country was telephone.

The study was completed on 15 May 2018.

### Country health indicators1: GDP per capita in PPP, international current dollars 53,779.02 (World Bank) GINI coefficient, most recent value N/A Life expectancy from birth (WB) 74.56 6.30 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 0.00 most recent value Research and development as percentage of GDP, N/A most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 3.3% 50-64 years 10.2% 8.1% 22.6% 35-49 years 26.5% 25-34 years 18.9% 18.8% 17.4% 15.5% 15-24 years 0-14 years 26.0% 29.6% 60% 40% 0% 0%

# 79% said they learned about science at secondary school



# 28% have high trust for the Trust in Science Index



89% said science benefits people like them in this country

Male

Female



# 85% said they think vaccines are safe



Age

Male/Female

Data unavailable for this country

Data unavailable for this country

See Q29 in Question breakdown See Q30 in Question breakdown

<sup>1</sup> World Bank, World Population Report, 2018

<sup>2</sup> United Nations, World Population Report, 2018

Overall

Saudi Arabia: Country-level findings

Wellcome

### Saudi Arabia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? 9% Perceived Q2 How much did you understand the meaning of 'science' & 'scientists'? knowledge of 36% science Q3 Do you think studying disease is a part of science? 89% Q5A Did you learn about science at primary school? 99% Perceived level of science Q5B Did you learn about science at secondary school? 79% 15% education Q5C Did you learn about science at college/university? 54% 18% 29% Q6 Have you tried to get science information in the past 30 days? 41% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 24% 76% Q9 Would you like to know more about medicine/disease/health? 81% Q10A Do you have confidence in non profit organisations? 60% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 35% Q11C How much do you trust scientists in this country? Confidence & 48% trust in science & Q11D How much do you trust journalists in this country? 12% institutions Q11E How much do you trust doctors & nurses in this country? 39% Q11F How much do you trust NGO workers in this country? 31% Q11G How much do you trust traditional healers in this country? 12% Q12 How much do you trust science? 38% Q13 How much do you trust scientists to find out accurate information? 15% 35% Q14A How much do you trust college & university scientists to do work that benefits Trust in science 33% the public? Q14B How much do you trust college & universite scientists to be open & honest about who pays for their work? scientists 22% Q15A How much do you trust corporate scientists to do work that benefits the public? 24% 29% Q15B How much do you trust corporate scientists to be open & honest about who 33% 23% pays for their work? Q16 How much of the population does science benefit in this country? Q17 Does the work that scientists do benefit people like you? 89% Benefits of Q18 Do you think science & technology will improve life for the next generation? 93% Q19 Do you think science & technology will increase the number of jobs in your local 70% Q20 Which of the following people do you trust for medical/health advice? Trust in 71% sources of medical/health Q22 How much do you trust medical & health advice from doctors/nurses? advice Q23 Before today, had you ever heard of a vaccine? 95% Q24 How much do you agree that vaccines are important for children to have? 84% Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? 68% Q28 If you have children, have your children received a vaccine? 98% Science and religion D1 Do you have a religion 100% 0% 20% 40% 60% 100% 80% No / Lower Yes / Higher For scaled questions



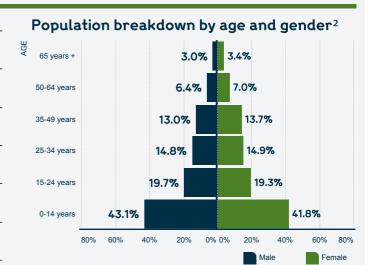
## Senegal

A summary of public attitudes to science and health challenges in Senegal, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 6 July 2018.

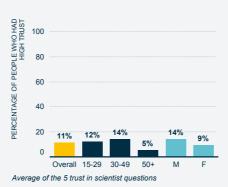
### Country health indicators1: GDP per capita in PPP, international current dollars 3,450.21 (World Bank) GINI coefficient, most recent value 40.30 67.15 Life expectancy from birth (WB) 32.70 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 549.32 most recent value Research and development as percentage of GDP, 0.75% most recent value



# 47% said they learned about science at secondary school



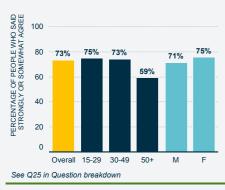
# 11% have high trust for the Trust in Science Index



59% said science benefits people like them in this country



73% said they think vaccines are safe



Age

16% said that science disagrees with their religion



88% said they choose religion when science disagrees with their religion



Male/Female

Overall

Senegal: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

## Senegal

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 80% Q5A Did you learn about science at primary school? 51% Perceived level Q5B Did you learn about science at secondary school? 47% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 73% Q7 Have you tried to get health information in the past 30 days? 31% Interest in science Q8 Would you like to know more about science? 19% Q9 Would you like to know more about medicine/disease/health? 81% Q10A Do you have confidence in non profit organisations? 29% 31% 40% Q10B Do you have confidence in hospitals/health clinics? 78% Q11A How much do you trust people in your neighbourhood? 38% Q11B How much do you trust this country's national government? 16% Confidence & trust in science & Q11C How much do you trust scientists in this country? 24% institutions Q11D How much do you trust journalists in this country? 12% Q11E How much do you trust doctors & nurses in this country? 42% Q11F How much do you trust NGO workers in this country? 25% 6% 12% Q11G How much do you trust traditional healers in this country? 21% 14% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 15% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 17% Q14B How much do you trust college & universite scientists to be open & honest 33% 6% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 33% 10% Q16 How much of the population does science benefit in this country? 16% Q17 Does the work that scientists do benefit people like you? 59% Benefits of Q18 Do you think science & technology will improve life for the next generation? 13% Q19 Do you think science & technology will increase the number of jobs in your local 10% 53% Q20 Which of the following people do you trust for medical/health advice? 73% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 23% 13% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 85% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 89% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 30% 54% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 40% 80% 100% 60% Yes / Higher No / Lower 4 For scaled questions



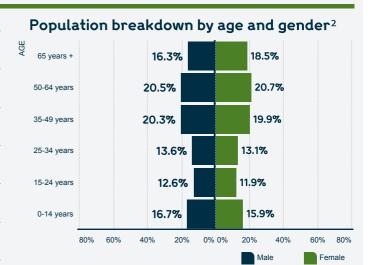
Serbia

A summary of public attitudes to science and health challenges in Serbia, based on a sample of 1,000 interviews.

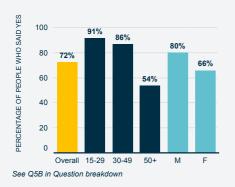
The interview type for this country was face to face.

The study was completed on 16 August 2018.

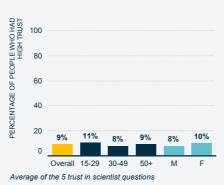
### Country health indicators1: GDP per capita in PPP, international current dollars 15,428.80 (World Bank) GINI coefficient, most recent value 28.50 Life expectancy from birth (WB) 75.24 5.00 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 2,132.77 most recent value Research and development as percentage of GDP, 0.89% most recent value



# 72% said they learned about science at secondary school



## 9% have high trust for the Trust in Science Index



53% said science benefits people like them in this country



66% said they think vaccines are safe



Age

36% said that science disagrees with their religion



27% said they choose religion when science disagrees with their religion



Male/Female

Serbia: Country-level findings

Overall



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

#### Serbia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 90% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 8% 72% education Q5C Did you learn about science at college/university? 45% 34% Q6 Have you tried to get science information in the past 30 days? 61% 37% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 33% Q9 Would you like to know more about medicine/disease/health? 73% Q10A Do you have confidence in non profit organisations? 35% Q10B Do you have confidence in hospitals/health clinics? 67% Q11A How much do you trust people in your neighbourhood? 20% Q11B How much do you trust this country's national government? 13% Confidence & trust in science & Q11C How much do you trust scientists in this country? 23% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 30% Q11F How much do you trust NGO workers in this country? Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 19% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 16% Q14B How much do you trust college & universite scientists to be open & honest 18% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? Q16 How much of the population does science benefit in this country? 8% 31% Q17 Does the work that scientists do benefit people like you? 53% 31% Benefits of Q18 Do you think science & technology will improve life for the next generation? 11% Q19 Do you think science & technology will increase the number of jobs in your local 26% Q20 Which of the following people do you trust for medical/health advice? Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 14% advice Q22 How much do you trust medical & health advice from doctors/nurses? 31% Q23 Before today, had you ever heard of a vaccine? 96% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 47% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 95% D1 Do you have a religion 97% Science and Q29 Has science ever disagreed with the teachings of your religion? 27% 36% religion Q30 When science disagrees with your religion, do you believe science? 60% 100% 0% 20% 40% 80% No / Lower Yes / Higher For scaled questions



### Sierra Leone

A summary of public attitudes to science and health challenges in Sierra Leone, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 31 July 2018.

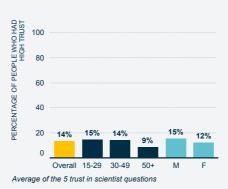
### Country health indicators1: GDP per capita in PPP, international current dollars 1,527.13 (World Bank) GINI coefficient, most recent value 34.00 51.84 Life expectancy from birth (WB) 81.70 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 0.00 most recent value Research and development as percentage of GDP, N/A most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 2.5% 50-64 years 6.7% 6.5% 13.7% 35-49 years 13.6% 14.6% 25-34 years 14.6% 20.1% 20.1% 15-24 years 42.3% 0-14 years 42.7% 80% 20% 0% 0% 60% Male Female

# 42% said they learned about science at secondary school



14% have high trust for the Trust in Science Index



68% said science benefits people like them in this country

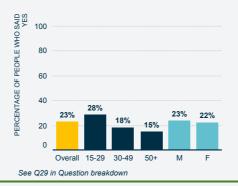


93% said they think vaccines are safe



Age

23% said that science disagrees with their religion



87% said they choose religion when science disagrees with their religion



Male/Female

Overall

Sierra Leone: Country-level findings

Wellcome

<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

#### Sierra Leone

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? 5% Perceived level Q5B Did you learn about science at secondary school? 6% 5% 42% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 8% 71% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 80% Q9 Would you like to know more about medicine/disease/health? 85% Q10A Do you have confidence in non profit organisations? 21% 69% Q10B Do you have confidence in hospitals/health clinics? 74% Q11A How much do you trust people in your neighbourhood? 43% Q11B How much do you trust this country's national government? 42% Confidence & trust in science & Q11C How much do you trust scientists in this country? 20% institutions Q11D How much do you trust journalists in this country? 35% Q11E How much do you trust doctors & nurses in this country? 41% Q11F How much do you trust NGO workers in this country? 11% 35% Q11G How much do you trust traditional healers in this country? 22% Q12 How much do you trust science? 26% Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 20% 23% Q14B How much do you trust college & universite scientists to be open & honest 24% 19% Q15A How much do you trust corporate scientists to do work that benefits the public? 19% 24% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 19% Q16 How much of the population does science benefit in this country? 16% 33% Q17 Does the work that scientists do benefit people like you? 68% 15% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 12% 66% Q20 Which of the following people do you trust for medical/health advice? 76% Trust in sources of medical/health 11% Q21 How much do you trust medical & health advice from this country's government? 7% 40% advice Q22 How much do you trust medical & health advice from doctors/nurses? 5% 5% Q23 Before today, had you ever heard of a vaccine? 89% Q24 How much do you agree that vaccines are important for children to have? 90% Attitudes to Q25 How much do you agree that vaccines are safe? 84% vaccines Q26 How much do you agree that vaccines are effective? 839 Q28 If you have children, have your children received a vaccine? 97% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 19% 23% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 40% 100% 60% 80% Yes / Higher No / Lower For scaled questions



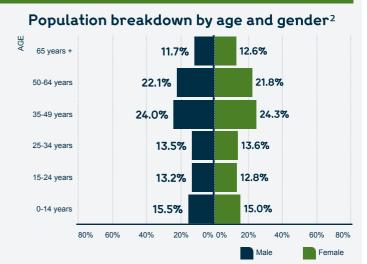
## Singapore

A summary of public attitudes to science and health challenges in Singapore, based on a sample of 1,000 interviews.

The interview type for this country was telephone.

The study was completed on 17 September 2018.

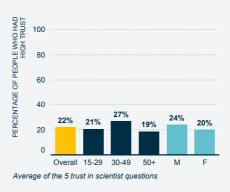
### Country health indicators1: GDP per capita in PPP, international current dollars 93,905.42 (World Bank) GINI coefficient, most recent value N/A Life expectancy from birth (WB) 82.80 2.20 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 6,729.68 most recent value Research and development as percentage of GDP, 2.18% most recent value



# 88% said they learned about science at secondary school



## 22% have high trust for the Trust in Science Index



75% said science benefits people like them in this country



76% said they think vaccines are safe



25% said that science disagrees with their religion



56% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Singapore: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## Singapore

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? 8% Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 21% science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 8% 4% 88% education Q5C Did you learn about science at college/university? 34% 40% Q6 Have you tried to get science information in the past 30 days? 41% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? Q10A Do you have confidence in non profit organisations? 25% 55% Q10B Do you have confidence in hospitals/health clinics? 94% Q11A How much do you trust people in your neighbourhood? 15% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 14% institutions Q11D How much do you trust journalists in this country? 12% Q11E How much do you trust doctors & nurses in this country? 54% Q11F How much do you trust NGO workers in this country? 11% 15% Q11G How much do you trust traditional healers in this country? 9% Q12 How much do you trust science? 7% Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 27% Q14B How much do you trust college & universite scientists to be open & honest 20% Q15A How much do you trust corporate scientists to do work that benefits the public? 21% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 18% Q16 How much of the population does science benefit in this country? 8% 40% Q17 Does the work that scientists do benefit people like you? 75% 13% Benefits of Q18 Do you think science & technology will improve life for the next generation? 88% 9% Q19 Do you think science & technology will increase the number of jobs in your local 5/1% Q20 Which of the following people do you trust for medical/health advice? 93% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? advice Q22 How much do you trust medical & health advice from doctors/nurses? 58% Q23 Before today, had you ever heard of a vaccine? 81% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 47% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 95% D1 Do you have a religion 95% Science and Q29 Has science ever disagreed with the teachings of your religion? 22% 25% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 40% 100% 60% 80% No / Lower Yes / Higher For scaled questions



### Slovakia

A summary of public attitudes to science and health challenges in Slovakia, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 18 October 2018.

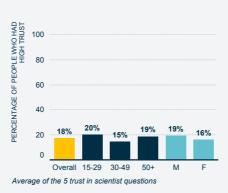
### Country health indicators1: GDP per capita in PPP, international current dollars 31,616.48 (World Bank) GINI coefficient, most recent value 26.50 Life expectancy from birth (WB) 76.56 Mortality rate per live 1000 births, most recent value 4.59 Number of researchers working in R & D per million, 2,598.90 most recent value Research and development as percentage of GDP, 0.79% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 14.0% 16.8% 50-64 years 20.5% 20.9% 21.5% 35-49 years 22.4% 14.9% 25-34 years 15.7% 12.0% 11.4% 15-24 years 15.3% 14.5% 0-14 years 60% 60%

# 67% said they learned about science at secondary school



# 18% have high trust for the Trust in Science Index



58% said science benefits people like them in this country

Male

Female



73% said they think vaccines are safe



44% said that science disagrees with their religion



26% said they choose religion when science disagrees with their religion



Slovakia: Country-level findings



Overall Age Male/Female

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### Slovakia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 67% education Q5C Did you learn about science at college/university? 23% 56% Q6 Have you tried to get science information in the past 30 days? 24% Q7 Have you tried to get health information in the past 30 days? 61% Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? Q10A Do you have confidence in non profit organisations? 49% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 31% Q11F How much do you trust NGO workers in this country? 14% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 18% Q13 How much do you trust scientists to find out accurate information? 21% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 23% Q14B How much do you trust college & universite scientists to be open & honest 13% Q15A How much do you trust corporate scientists to do work that benefits the public? 19% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 11% Q16 How much of the population does science benefit in this country? 7% 27% Q17 Does the work that scientists do benefit people like you? 58% 11% 31% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 33% Q20 Which of the following people do you trust for medical/health advice? Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 19% advice Q22 How much do you trust medical & health advice from doctors/nurses? 30% Q23 Before today, had you ever heard of a vaccine? Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? D1 Do you have a religion 5% 8% 87% Science and Q29 Has science ever disagreed with the teachings of your religion? 44% 12% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 40% 80% 100% 60% No / Lower Yes / Higher For scaled questions



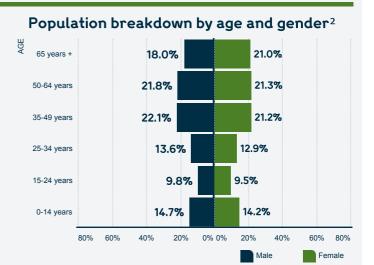
## Slovenia

A summary of public attitudes to science and health challenges in Slovenia, based on a sample of 1,000 interviews.

The interview type for this country was telephone.

The study was completed on 20 May 2018.

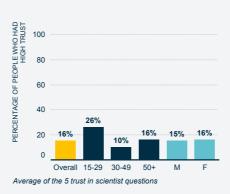
### Country health indicators1: GDP per capita in PPP, international current dollars 34,868.21 (World Bank) GINI coefficient, most recent value 25.40 Life expectancy from birth (WB) 80.78 1.70 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 3,899.20 most recent value Research and development as percentage of GDP, 2.00% most recent value



# 59% said they learned about science at secondary school



16% have high trust for the Trust in Science Index



70% said science benefits people like them in this country



70% said they think vaccines are safe



39% said that science disagrees with their religion



23% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Slovenia: Country-level findings

wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

### Slovenia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? 5% Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 59% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 60% 40% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 75% Q10A Do you have confidence in non profit organisations? 48% 51% Q10B Do you have confidence in hospitals/health clinics? 81% Q11A How much do you trust people in your neighbourhood? 39% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 44% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 46% Q11F How much do you trust NGO workers in this country? 16% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 20% Q14B How much do you trust college & universite scientists to be open & honest 6% 14% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 12% Q16 How much of the population does science benefit in this country? 41% Q17 Does the work that scientists do benefit people like you? 70% Benefits of Q18 Do you think science & technology will improve life for the next generation? 80% Q19 Do you think science & technology will increase the number of jobs in your local 46% Q20 Which of the following people do you trust for medical/health advice? Trust in sources of medical/health 5% 5% Q21 How much do you trust medical & health advice from this country's government? 12% advice Q22 How much do you trust medical & health advice from doctors/nurses? 46% Q23 Before today, had you ever heard of a vaccine? 91% Q24 How much do you agree that vaccines are important for children to have? 67% Attitudes to Q25 How much do you agree that vaccines are safe? 39% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 95% D1 Do you have a religion Science and Q29 Has science ever disagreed with the teachings of your religion? 39% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 40% 60% 80% 100% Yes / Higher No / Lower For scaled questions



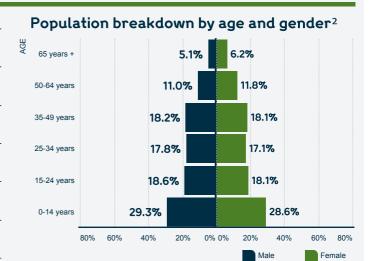
#### South Africa

A summary of public attitudes to science and health challenges in South Africa, based on a sample of 1,000 interviews.

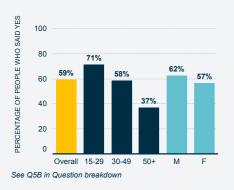
The interview type for this country was face to face.

The study was completed on 15 August 2018.

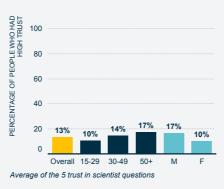
#### Country health indicators1: GDP per capita in PPP, international current dollars 13,497.55 (World Bank) GINI coefficient, most recent value 63.00 62.77 Life expectancy from birth (WB) Mortality rate per live 1000 births, most recent value 28.80 Number of researchers working in R & D per million, 473.12 most recent value Research and development as percentage of GDP, 0.80% most recent value



# 59% said they learned about science at secondary school



13% have high trust for the Trust in Science Index



54% said science benefits people like them in this country



82% said they think vaccines are safe



32% said that science disagrees with their religion



70% said they choose religion when science disagrees with their religion



Overall Age Male/Female

South Africa: Country-level findings

wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### South Africa

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 11% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 59% education Q5C Did you learn about science at college/university? 23% Q6 Have you tried to get science information in the past 30 days? 74% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 90% Q10A Do you have confidence in non profit organisations? 38% 46% Q10B Do you have confidence in hospitals/health clinics? 27% Q11A How much do you trust people in your neighbourhood? 22% Q11B How much do you trust this country's national government? 19% Confidence & trust in science & Q11C How much do you trust scientists in this country? 23% institutions Q11D How much do you trust journalists in this country? 19% Q11E How much do you trust doctors & nurses in this country? 46% Q11F How much do you trust NGO workers in this country? 16% Q11G How much do you trust traditional healers in this country? 14% Q12 How much do you trust science? 24% Q13 How much do you trust scientists to find out accurate information? 25% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 26% Q14B How much do you trust college & universite scientists to be open & honest 26% 17% Q15A How much do you trust corporate scientists to do work that benefits the public? 24% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 17% Q16 How much of the population does science benefit in this country? 12% 23% Q17 Does the work that scientists do benefit people like you? 54% 8% Benefits of Q18 Do you think science & technology will improve life for the next generation? 10% Q19 Do you think science & technology will increase the number of jobs in your local 61% Q20 Which of the following people do you trust for medical/health advice? 74% Trust in sources of medical/health 5% 5% Q21 How much do you trust medical & health advice from this country's government? 11% 33% advice Q22 How much do you trust medical & health advice from doctors/nurses? 8% 7% Q23 Before today, had you ever heard of a vaccine? 42% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? 5% 6% Q28 If you have children, have your children received a vaccine? 90% D1 Do you have a religion Science and Q29 Has science ever disagreed with the teachings of your religion? 62% 32% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 100% 40% 60% 80% No / Lower Yes / Higher For scaled questions



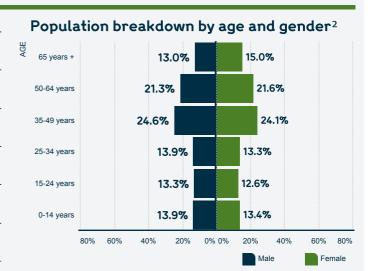
#### South Korea

A summary of public attitudes to science and health challenges in South Korea, based on a sample of 1,014 interviews.

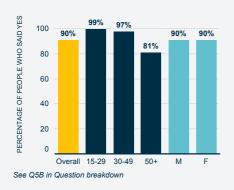
The interview type for this country was telephone.

The study was completed on 14 September 2018.

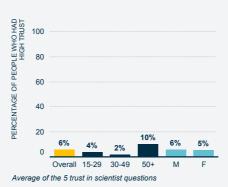
#### Country health indicators1: GDP per capita in PPP, international current dollars 38,335.27 (World Bank) GINI coefficient, most recent value 31.60 82.02 Life expectancy from birth (WB) 2.80 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 7,113.17 most recent value Research and development as percentage of GDP, 4.24% most recent value



# 90% said they learned about science at secondary school



#### 6% have high trust for the Trust in Science Index



73% said science benefits people like them in this country



49% said they think vaccines are safe



61% said that science disagrees with their religion



24% said they choose religion when science disagrees with their religion



Overall Age Male/Female

South Korea: Country-level findings

wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### South Korea

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 90% education Q5C Did you learn about science at college/university? 36% Q6 Have you tried to get science information in the past 30 days? 35% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 83% Q10A Do you have confidence in non profit organisations? 31% Q10B Do you have confidence in hospitals/health clinics? 69% Q11A How much do you trust people in your neighbourhood? 12% Q11B How much do you trust this country's national government? 10% Confidence & trust in science & Q11C How much do you trust scientists in this country? 14% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 17% Q11F How much do you trust NGO workers in this country? Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 24% Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 9% Q14B How much do you trust college & universite scientists to be open & honest 6% 9% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 6% 8% Q16 How much of the population does science benefit in this country? 5% 44% Q17 Does the work that scientists do benefit people like you? 73% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 30% Q20 Which of the following people do you trust for medical/health advice? 10% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 13% advice Q22 How much do you trust medical & health advice from doctors/nurses? 24% Q23 Before today, had you ever heard of a vaccine? 89% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 16% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 95% D1 Do you have a religion 48% Science and Q29 Has science ever disagreed with the teachings of your religion? 61% 15% religion Q30 When science disagrees with your religion, do you believe science? 51% 0% 20% 40% 80% 100% 60% No / Lower Yes / Higher For scaled questions



**Spain** 

A summary of public attitudes to science and health challenges in Spain, based on a sample of 1,000 interviews.

The interview type for this country was telephone.

The study was completed on 6 October 2018.

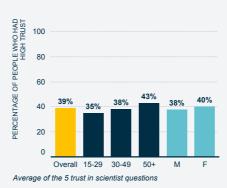
#### Country health indicators1: GDP per capita in PPP, international current dollars 37,997.85 (World Bank) GINI coefficient, most recent value 36.20 Life expectancy from birth (WB) 82.83 2.60 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 2,732.25 most recent value Research and development as percentage of GDP, 1.19% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 18.9% 21.2% 50-64 years 19.9% 19.8% 24.2% 35-49 years 25.0% 11.7% 25-34 years 12.0% 9.0% 15-24 years 9.3% 14.9% 14.2% 0-14 years 60% 60% 80%

# 77% said they learned about science at secondary school



# 39% have high trust for the Trust in Science Index



79% said science benefits people like them in this country

Male

Female



# 80% said they think vaccines are safe



64% said that science disagrees with their religion



18% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Spain: Country-level findings

Wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## **Spain**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Some Family/friends Traditional healer Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? Q10A Do you have confidence in non profit organisations? 44% 47% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 40% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 67% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? Q11F How much do you trust NGO workers in this country? 27% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science 55% Q14B How much do you trust college & universite scientists to be open & honest scientists Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 21% Q16 How much of the population does science benefit in this country? 48% Q17 Does the work that scientists do benefit people like you? 18% 79% Benefits of Q18 Do you think science & technology will improve life for the next generation? 10% Q19 Do you think science & technology will increase the number of jobs in your local 5% 42% Q20 Which of the following people do you trust for medical/health advice? 88% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 10% 37% advice Q22 How much do you trust medical & health advice from doctors/nurses? 75% Q23 Before today, had you ever heard of a vaccine? Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 97% D1 Do you have a religion 74% Science and Q29 Has science ever disagreed with the teachings of your religion? religion Q30 When science disagrees with your religion, do you believe science? 67% . 0% 40% 60% 20% 80% 100% Yes / Higher No / Lower For scaled questions



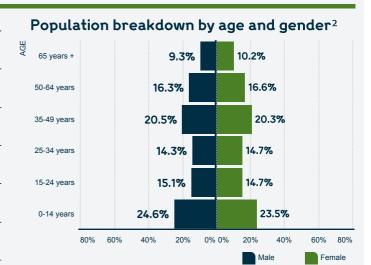
#### Sri Lanka

A summary of public attitudes to science and health challenges in Sri Lanka, based on a sample of 1,109 interviews.

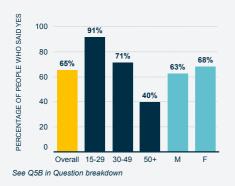
The interview type for this country was face to face.

The study was completed on 13 September 2018.

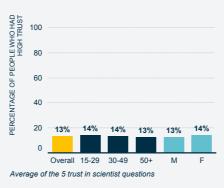
#### Country health indicators1: GDP per capita in PPP, international current dollars 12,835.33 (World Bank) GINI coefficient, most recent value 39.80 Life expectancy from birth (WB) 75.28 7.50 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 99.74 most recent value Research and development as percentage of GDP, 0.10% most recent value



# 65% said they learned about science at secondary school



13% have high trust for the Trust in Science Index



45% said science benefits people like them in this country



# 86% said they think vaccines are safe



19% said that science disagrees with their religion



73% said they choose religion when science disagrees with their religion



Age Male/Female

Overall

Sri Lanka: Country-level findings

W wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### Sri Lanka

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 65% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 75% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 85% Q10A Do you have confidence in non profit organisations? 48% Q10B Do you have confidence in hospitals/health clinics? 87% Q11A How much do you trust people in your neighbourhood? 32% Q11B How much do you trust this country's national government? 15% Confidence & trust in science & Q11C How much do you trust scientists in this country? 30% institutions Q11D How much do you trust journalists in this country? 16% 10% Q11E How much do you trust doctors & nurses in this country? 50% Q11F How much do you trust NGO workers in this country? 14% 10% Q11G How much do you trust traditional healers in this country? 39% Q12 How much do you trust science? 12% Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 15% Q14B How much do you trust college & universite scientists to be open & honest 35% 11% 5% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 34% 9% Q16 How much of the population does science benefit in this country? 23% Q17 Does the work that scientists do benefit people like you? 45% Benefits of Q18 Do you think science & technology will improve life for the next generation? 7% Q19 Do you think science & technology will increase the number of jobs in your local 14% 12% 5% 60% Q20 Which of the following people do you trust for medical/health advice? 84% 10% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 87% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? **57%** 6% 4% vaccines Q26 How much do you agree that vaccines are effective? 7% Q28 If you have children, have your children received a vaccine? D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 12% 19% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 40% 60% 80% 100% No / Lower Yes / Higher For scaled questions



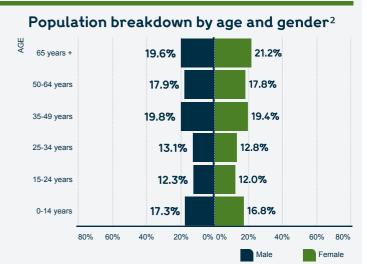
#### Sweden

A summary of public attitudes to science and health challenges in Sweden, based on a sample of 1,000 interviews.

The interview type for this country was telephone.

The study was completed on 31 May 2018.

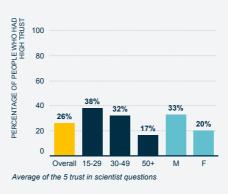
#### Country health indicators1: GDP per capita in PPP, international current dollars 50,208.16 (World Bank) GINI coefficient, most recent value 29.20 82.20 Life expectancy from birth (WB) 2.29 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 7,153.42 most recent value Research and development as percentage of GDP, 3.25% most recent value



# 77% said they learned about science at secondary school



# 26% have high trust for the Trust in Science Index



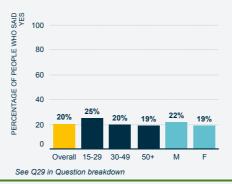
75% said science benefits people like them in this country



70% said they think vaccines are safe



20% said that science disagrees with their religion



30% said they choose religion when science disagrees with their religion



Overall Age Male/Female

<sup>2</sup> United Nations, World Population Report, 2018

Sweden: Country-level findings

Wellcome

<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

#### Sweden

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Traditional healer N/A / Don't know/refused / It depends Family/friends Some Not much Famous person Neutral Q1 How much do you know about science? 6% Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? education Q5C Did you learn about science at college/university? 42% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 72% Q10A Do you have confidence in non profit organisations? 14% 53% Q10B Do you have confidence in hospitals/health clinics? 81% Q11A How much do you trust people in your neighbourhood? 52% Q11B How much do you trust this country's national government? 17% Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? 15% Q11E How much do you trust doctors & nurses in this country? 66% Q11F How much do you trust NGO workers in this country? 17% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 29% Q14B How much do you trust college & universite scientists to be open & honest 24% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? Q16 How much of the population does science benefit in this country? 41% Q17 Does the work that scientists do benefit people like you? 75% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 10% 19% Q20 Which of the following people do you trust for medical/health advice? 89% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 9% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 98% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 36% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 97% D1 Do you have a religion 56% Science and Q29 Has science ever disagreed with the teachings of your religion? 20% religion Q30 When science disagrees with your religion, do you believe science? 56% . 0% 100% 20% 40% 60% 80% No / Lower Yes / Higher For scaled questions



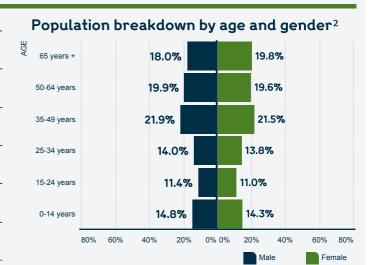
#### **Switzerland**

A summary of public attitudes to science and health challenges in Switzerland, based on a sample of 1,000 interviews.

The interview type for this country was telephone.

The study was completed on 7 November 2018.

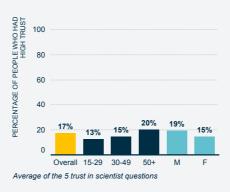
#### Country health indicators1: GDP per capita in PPP, international current dollars 64,712.13 (World Bank) GINI coefficient, most recent value 32.30 82.90 Life expectancy from birth (WB) 3.70 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 5,257.30 most recent value Research and development as percentage of GDP, 3.37% most recent value



#### 76% said they learned about science at secondary school



#### 17% have high trust for the Trust in Science Index



80% said science benefits people like them in this country



53% said they think vaccines are safe



Age

53% said that science disagrees with their religion



18% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

Switzerland: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

#### **Switzerland**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 76% education Q5C Did you learn about science at college/university? 23% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 59% Q10A Do you have confidence in non profit organisations? 58% Q10B Do you have confidence in hospitals/health clinics? 90% Q11A How much do you trust people in your neighbourhood? 49% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 43% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 64% Q11F How much do you trust NGO workers in this country? 24% Q11G How much do you trust traditional healers in this country? 13% 8% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 8% 36% Q14B How much do you trust college & universite scientists to be open & honest 7% 18% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? Q16 How much of the population does science benefit in this country? 47% Q17 Does the work that scientists do benefit people like you? 80% 16% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 14% 33% Q20 Which of the following people do you trust for medical/health advice? 80% Trust in sources of medical/health 14% Q21 How much do you trust medical & health advice from this country's government? 8% 32% advice Q22 How much do you trust medical & health advice from doctors/nurses? 54% 4% Q23 Before today, had you ever heard of a vaccine? 93% Q24 How much do you agree that vaccines are important for children to have? 49% Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 92% D1 Do you have a religion 81% Science and Q29 Has science ever disagreed with the teachings of your religion? 11% 53% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 60% 100% 40% 80% Yes / Higher No / Lower For scaled questions



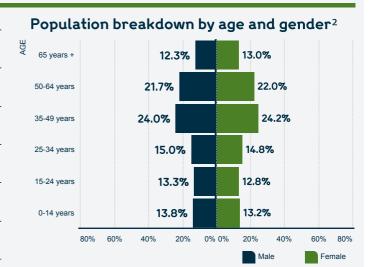
#### **Taiwan**

A summary of public attitudes to science and health challenges in Taiwan, based on a sample of 1,000 interviews.

The interview type for this country was telephone.

The study was completed on 6 July 2018.

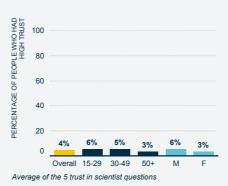
#### Country health indicators1: GDP per capita in PPP, international current dollars N/A (World Bank) GINI coefficient, most recent value 33.70 80.40 Life expectancy from birth (WB) 7.27 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, N/A most recent value Research and development as percentage of GDP, 2.93% most recent value



# 74% said they learned about science at secondary school



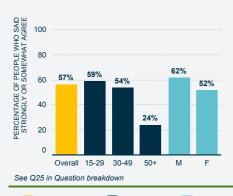
#### 4% have high trust for the Trust in Science Index



65% said science benefits people like them in this country



57% said they think vaccines are safe



19% said that science disagrees with their religion



23% said they choose religion when science disagrees with their religion



Taiwan: Country-level findings



Overall Age Male/Female

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### **Taiwan**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 74% education Q5C Did you learn about science at college/university? 30% 30% Q6 Have you tried to get science information in the past 30 days? 36% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 74% Q10A Do you have confidence in non profit organisations? 41% 40% Q10B Do you have confidence in hospitals/health clinics? 83% 10% Q11A How much do you trust people in your neighbourhood? 20% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 22% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? Q11F How much do you trust NGO workers in this country? 12% Q11G How much do you trust traditional healers in this country? 10% 4% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 7% Q14B How much do you trust college & universite scientists to be open & honest Q15A How much do you trust corporate scientists to do work that benefits the public? 11% 6% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 4% Q16 How much of the population does science benefit in this country? 7% 35% Q17 Does the work that scientists do benefit people like you? 10% 65% Benefits of Q18 Do you think science & technology will improve life for the next generation? 84% Q19 Do you think science & technology will increase the number of jobs in your local 9% 35% Q20 Which of the following people do you trust for medical/health advice? 83% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 13% advice Q22 How much do you trust medical & health advice from doctors/nurses? 32% Q23 Before today, had you ever heard of a vaccine? Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 22% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 89% D1 Do you have a religion 33% 66% Science and Q29 Has science ever disagreed with the teachings of your religion? 19% religion Q30 When science disagrees with your religion, do you believe science? 26% . 0% 20% 60% 100% 40% 80% Yes / Higher No / Lower For scaled questions



## **Tajikistan**

A summary of public attitudes to science and health challenges in Tajikistan, based on a sample of 1,000 interviews.

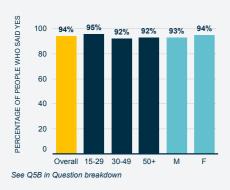
The interview type for this country was face to face.

The study was completed on 29 December 2018.

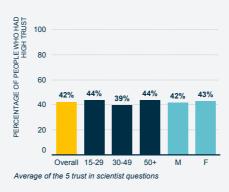
#### Country health indicators1: GDP per capita in PPP, international current dollars 3,194.99 (World Bank) GINI coefficient, most recent value 34.00 Life expectancy from birth (WB) 71.05 Mortality rate per live 1000 births, most recent value 29.40 Number of researchers working in R & D per million, N/A most recent value Research and development as percentage of GDP, N/A most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 3.5% 50-64 years 9.3% 9.7% 15.6% 35-49 years 15.4% 16.9% 25-34 years 16.9% 19.8% 20.0% 15-24 years 34.4% 0-14 years 35.1% 60% 0% 0%

# 94% said they learned about science at secondary school



#### 42% have high trust for the Trust in Science Index



75% said science benefits people like them in this country

Male

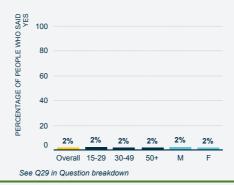
Female



91% said they think vaccines are safe



2% said that science disagrees with their religion



36% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Tajikistan: Country-level findings

W wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## **Tajikistan**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Neutral Famous person Q1 How much do you know about science? 6% Perceived Q2 How much did you understand the meaning of 'science' & 'scientists'? knowledge of 44% science Q3 Do you think studying disease is a part of science? 92% Q5A Did you learn about science at primary school? 4% 7% 88% Perceived level Q5B Did you learn about science at secondary school? 5% 94% of science education Q5C Did you learn about science at college/university? 30% 25% Q6 Have you tried to get science information in the past 30 days? 41% Q7 Have you tried to get health information in the past 30 days? 45% Interest in science Q8 Would you like to know more about science? 14% 82% Q9 Would you like to know more about medicine/disease/health? 85% Q10A Do you have confidence in non profit organisations? 29% 44% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? Confidence & Q11C How much do you trust scientists in this country? 59% trust in science & institutions Q11D How much do you trust journalists in this country? 38% Q11E How much do you trust doctors & nurses in this country? 76% Q11F How much do you trust NGO workers in this country? 26% 20% Q11G How much do you trust traditional healers in this country? 29% Q12 How much do you trust science? 70% Q13 How much do you trust scientists to find out accurate information? 51% Q14A How much do you trust college & university scientists to do work that benefits 46% Trust in science/ scientists Q14B How much do you trust college & universite scientists to be open & honest 39% about who pays for their work? Q15A How much do you trust corporate scientists to do work that benefits the public? 13% 41% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 39% 17% Q16 How much of the population does science benefit in this country? 12% 52% Q17 Does the work that scientists do benefit people like you? 75% Benefits of Q18 Do you think science & technology will improve life for the next generation? science 6% 92% Q19 Do you think science & technology will increase the number of jobs in your local 12% 8% 5% 76% area? Q20 Which of the following people do you trust for medical/health advice? 86% 4% 6% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 68% advice Q22 How much do you trust medical & health advice from doctors/nurses? 69% Q23 Before today, had you ever heard of a vaccine? 92% Q24 How much do you agree that vaccines are important for children to have? 93% Attitudes to Q25 How much do you agree that vaccines are safe? 5% Q26 How much do you agree that vaccines are effective? 90% Q28 If you have children, have your children received a vaccine? 10% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 6% 92% religion Q30 When science disagrees with your religion, do you believe science? 7% 47% 0% 60% 20% 40% 80% 100% No / Lower Yes / Higher For scaled questions



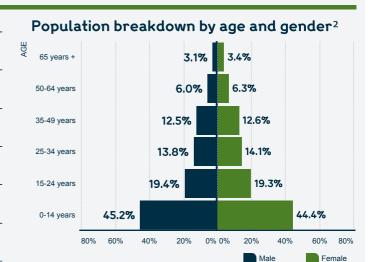
#### **Tanzania**

A summary of public attitudes to science and health challenges in Tanzania, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 17 July 2018.

#### Country health indicators1: GDP per capita in PPP, international current dollars 2,945.88 (World Bank) GINI coefficient, most recent value 37.80 Life expectancy from birth (WB) 65.67 38.20 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 18.34 most recent value Research and development as percentage of GDP, 0.53% most recent value

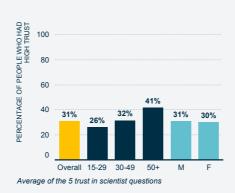


#### 26% said they learned about science at secondary school

100 80 60 40 23% 20 10% Overall М 15-29 30-49 50+

PERCENTAGE OF PEOPLE WHO SAID YES

31% have high trust for the Trust in Science Index



74% said science benefits people like them in this country



96% said they think vaccines are safe

See Q5B in Question breakdown



Age

Male/Female

27% said that science disagrees with their religion



86% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

Overall

Tanzania: Country-level findings

<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

#### Tanzania

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 26% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 84% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 86% Q9 Would you like to know more about medicine/disease/health? 91% Q10A Do you have confidence in non profit organisations? 35% 51% 14% Q10B Do you have confidence in hospitals/health clinics? 21% 75% Q11A How much do you trust people in your neighbourhood? 36% Q11B How much do you trust this country's national government? 5% 4% Confidence & trust in science & Q11C How much do you trust scientists in this country? 8% 6% 40% institutions Q11D How much do you trust journalists in this country? 5% 5% Q11E How much do you trust doctors & nurses in this country? 52% Q11F How much do you trust NGO workers in this country? 10% 21% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 36% Q14B How much do you trust college & universite scientists to be open & honest 31% Q15A How much do you trust corporate scientists to do work that benefits the public? 32% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 29% Q16 How much of the population does science benefit in this country? 5% 50% Q17 Does the work that scientists do benefit people like you? 74% Benefits of Q18 Do you think science & technology will improve life for the next generation? 5% 9% Q19 Do you think science & technology will increase the number of jobs in your local 7% 7/10/ Q20 Which of the following people do you trust for medical/health advice? 82% 8% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 5% advice Q22 How much do you trust medical & health advice from doctors/nurses? 4%4% Q23 Before today, had you ever heard of a vaccine? 93% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 85% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 97% D1 Do you have a religion 99% Science and Q29 Has science ever disagreed with the teachings of your religion? 70% 27% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 100% 40% 60% 80% Yes / Higher No / Lower 4 For scaled questions



#### **Thailand**

A summary of public attitudes to science and health challenges in Thailand, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 19 August 2018.

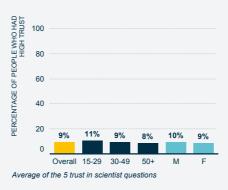
#### Country health indicators1: GDP per capita in PPP, international current dollars 17,872.22 (World Bank) GINI coefficient, most recent value 36.00 Life expectancy from birth (WB) 75.30 Mortality rate per live 1000 births, most recent value 8.19 Number of researchers working in R & D per million, 865.40 most recent value Research and development as percentage of GDP, 0.62% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 10.6% 11.6% 50-64 years 19.4% 19.8% 24.7% 35-49 years 24.5% 13.2% 25-34 years 13.5% 13.5% 15-24 years 14.1% 18.0% 17.1% 0-14 years 60% 0% 0% Male Female

#### 50% said they learned about science at secondary school



#### 9% have high trust for the Trust in Science Index



67% said science benefits people like them in this country



93% said they think vaccines are safe



Age

22% said that science disagrees with their religion



29% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

Overall

Thailand: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

#### **Thailand**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 50% education Q5C Did you learn about science at college/university? 23% 25% Q6 Have you tried to get science information in the past 30 days? 82% Q7 Have you tried to get health information in the past 30 days? 39% Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 70% Q10A Do you have confidence in non profit organisations? 34% 36% Q10B Do you have confidence in hospitals/health clinics? 88% Q11A How much do you trust people in your neighbourhood? 13% Q11B How much do you trust this country's national government? 22% Confidence & trust in science & Q11C How much do you trust scientists in this country? 18% institutions Q11D How much do you trust journalists in this country? 12% Q11E How much do you trust doctors & nurses in this country? Q11F How much do you trust NGO workers in this country? 19% 9% Q11G How much do you trust traditional healers in this country? 12% Q12 How much do you trust science? 13% Q13 How much do you trust scientists to find out accurate information? 16% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 15% Q14B How much do you trust college & universite scientists to be open & honest 25% 5% 9% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 25% 8% Q16 How much of the population does science benefit in this country? 15% 25% Q17 Does the work that scientists do benefit people like you? 67% 14% Benefits of Q18 Do you think science & technology will improve life for the next generation? 81% 13% Q19 Do you think science & technology will increase the number of jobs in your local 20% Q20 Which of the following people do you trust for medical/health advice? 89% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 7% 5% 20% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 76% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 98% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 20% religion Q30 When science disagrees with your religion, do you believe science? 7% . 0% 40% 20% 80% 100% 60% No / Lower Yes / Higher For scaled questions



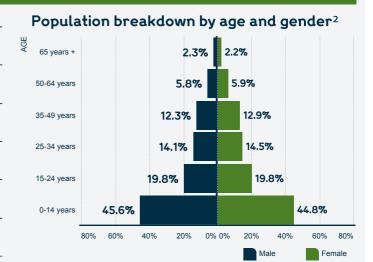
#### The Gambia

A summary of public attitudes to science and health challenges in The Gambia, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 14 July 2018.

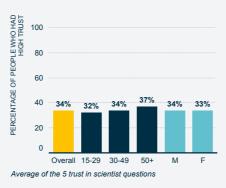
#### Country health indicators1: GDP per capita in PPP, international current dollars 1,695.52 (World Bank) GINI coefficient, most recent value 35.90 Life expectancy from birth (WB) 61.19 41.40 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 33.56 most recent value Research and development as percentage of GDP, 0.13% most recent value



# 49% said they learned about science at secondary school



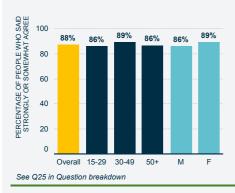
34% have high trust for the Trust in Science Index



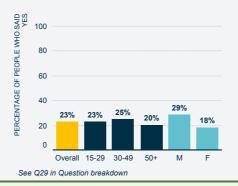
74% said science benefits people like them in this country



88% said they think vaccines are safe



23% said that science disagrees with their religion



96% said they choose religion when science disagrees with their religion



Overall Age Male/Female

The Gambia: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### The Gambia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? 33% Perceived level Q5B Did you learn about science at secondary school? 49% education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 72% Q7 Have you tried to get health information in the past 30 days? 45% Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 96% Q10A Do you have confidence in non profit organisations? 68% 13% Q10B Do you have confidence in hospitals/health clinics? 79% Q11A How much do you trust people in your neighbourhood? 66% Q11B How much do you trust this country's national government? 55% Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 63% Q11F How much do you trust NGO workers in this country? 12% 41% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 48% Q14B How much do you trust college & universite scientists to be open & honest 37% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 37% Q16 How much of the population does science benefit in this country? 12% Q17 Does the work that scientists do benefit people like you? 74% 13% 13% Benefits of Q18 Do you think science & technology will improve life for the next generation? 11% Q19 Do you think science & technology will increase the number of jobs in your local 13% 8% 79% Q20 Which of the following people do you trust for medical/health advice? 81% Trust in sources of medical/health 7% 7% Q21 How much do you trust medical & health advice from this country's government? advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 79% Q24 How much do you agree that vaccines are important for children to have? 4% Attitudes to Q25 How much do you agree that vaccines are safe? 82% vaccines Q26 How much do you agree that vaccines are effective? 6% 83% Q28 If you have children, have your children received a vaccine? 94% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 20% 23% 57% religion Q30 When science disagrees with your religion, do you believe science? 20% 40% 100% 0% 60% 80% Yes / Higher No / Lower For scaled questions



Togo

41.8%

60%

Female

A summary of public attitudes to science and health challenges in Togo, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 26 July 2018.

#### Country health indicators1: GDP per capita in PPP, international current dollars 1,659.90 (World Bank) GINI coefficient, most recent value 43.10 60.23 Life expectancy from birth (WB) 49.20 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 31.77 most recent value Research and development as percentage of GDP, 0.27% most recent value

# Population breakdown by age and gender<sup>2</sup> 65 years + 2.8% 3.0% 50-64 years 6.8% 7.0% 35-49 years 14.2% 14.2% 25-34 years 15.0% 14.9% 15-24 years 19.1% 19.0%

20%

0% 0%

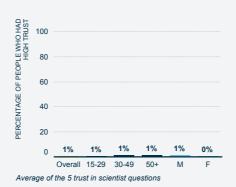
42.0%

# 63% said they learned about science at secondary school

#### PERCENTAGE OF PEOPLE WHO SAID YES 100 80 72% 68% 57% 60 53% 40 20 Overall М 15-29 30-49 50+ See Q5B in Question breakdown

# 1% have high trust for the Trust in Science Index

0-14 years

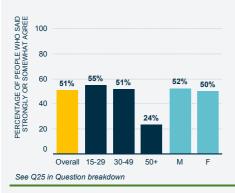


43% said science benefits people like them in this country

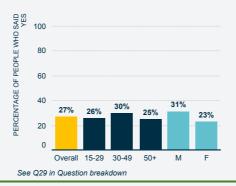
Male



51% said they think vaccines are safe



27% said that science disagrees with their religion



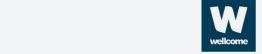
75% said they choose religion when science disagrees with their religion



Age Male/Female

Togo: Country-level findings

Overall



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 20% 14% 66% Q5A Did you learn about science at primary school? 6% Perceived level Q5B Did you learn about science at secondary school? of science 63% education Q5C Did you learn about science at college/university? 27% Q6 Have you tried to get science information in the past 30 days? 76% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 83% Q10A Do you have confidence in non profit organisations? 38% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? 21% Q11E How much do you trust doctors & nurses in this country? 15% Q11F How much do you trust NGO workers in this country? 23% 5% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 34% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 44% Q14B How much do you trust college & universite scientists to be open & honest 47% 13% Q15A How much do you trust corporate scientists to do work that benefits the public? 43% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 44% Q16 How much of the population does science benefit in this country? 20% 19% Q17 Does the work that scientists do benefit people like you? 43% 19% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 26% 51% Q20 Which of the following people do you trust for medical/health advice? 63% 6% 6% 7% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 23% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 83% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 33% vaccines Q26 How much do you agree that vaccines are effective? 8% Q28 If you have children, have your children received a vaccine? 5% 94% D1 Do you have a religion 93% Science and Q29 Has science ever disagreed with the teachings of your religion? 27% 22% religion Q30 When science disagrees with your religion, do you believe science? 13% 0% 20% 40% 100% 60% 80% No / Lower Yes / Higher For scaled questions



#### **Tunisia**

A summary of public attitudes to science and health challenges in Tunisia, based on a sample of 1,001 interviews.

The interview type for this country was face to face.

The study was completed on 15 May 2018.

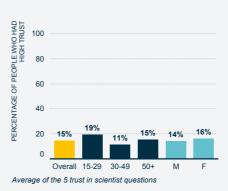
#### Country health indicators1: GDP per capita in PPP, international current dollars 11,910.95 (World Bank) GINI coefficient, most recent value 35.80 Life expectancy from birth (WB) 75.73 11.20 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 1,964.97 most recent value Research and development as percentage of GDP, 0.60% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 8.3% 50-64 years 15.0% 15.0% 21.0% 35-49 years 20.6% 17.7% 25-34 years 17.5% 15.1% 15-24 years 15.5% 22.9% 0-14 years 23.7% 60% 60% 0% 0%

# 63% said they learned about science at secondary school



# 15% have high trust for the Trust in Science Index



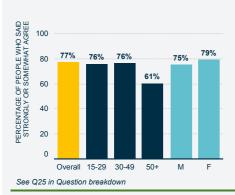
57% said science benefits people like them in this country

Male

Female



77% said they think vaccines are safe



Age

38% said that science disagrees with their religion



70% said they choose religion when science disagrees with their religion



Male/Female

Overall

Tunisia: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

#### Tunisia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 26% science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? 11% 13% Perceived level Q5B Did you learn about science at secondary school? 31% 6% 63% education Q5C Did you learn about science at college/university? 18% 61% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 73% Q10A Do you have confidence in non profit organisations? 46% 42% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 23% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 28% institutions Q11D How much do you trust journalists in this country? 11% Q11E How much do you trust doctors & nurses in this country? 35% Q11F How much do you trust NGO workers in this country? 12% 12% Q11G How much do you trust traditional healers in this country? 9% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 26% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 20% 22% Q14B How much do you trust college & universite scientists to be open & honest 23% 14% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 13% Q16 How much of the population does science benefit in this country? 11% 18% Q17 Does the work that scientists do benefit people like you? 57% 14% Benefits of Q18 Do you think science & technology will improve life for the next generation? 11% Q19 Do you think science & technology will increase the number of jobs in your local 13% 12% 46% Q20 Which of the following people do you trust for medical/health advice? 70% 5% 7% 12% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 5% 7% 29% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 89% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 21% 41% 38% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 40% 100% 60% 80% Yes / Higher No / Lower For scaled questions



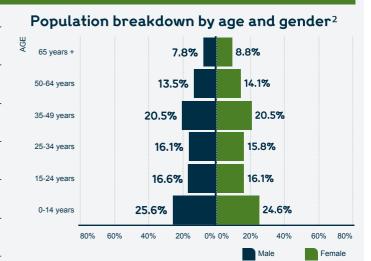
## Turkey

A summary of public attitudes to science and health challenges in Turkey, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 7 September 2018.

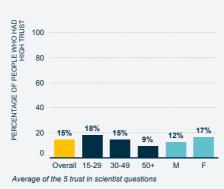
#### Country health indicators1: GDP per capita in PPP, international current dollars 26,518.85 (World Bank) GINI coefficient, most recent value 41.90 Life expectancy from birth (WB) 75.75 10.00 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 1,215.78 most recent value Research and development as percentage of GDP, 0.88% most recent value



# 61% said they learned about science at secondary school



#### 15% have high trust for the Trust in Science Index



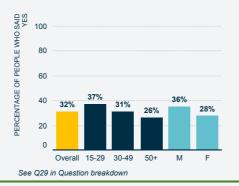
64% said science benefits people like them in this country



# 82% said they think vaccines are safe



32% said that science disagrees with their religion



51% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Turkey: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## Turkey

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 31% science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 13% 61% education Q5C Did you learn about science at college/university? 30% 54% Q6 Have you tried to get science information in the past 30 days? 61% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 90% Q10A Do you have confidence in non profit organisations? 52% 38% Q10B Do you have confidence in hospitals/health clinics? Q11A How much do you trust people in your neighbourhood? 37% Q11B How much do you trust this country's national government? 30% Confidence & trust in science & Q11C How much do you trust scientists in this country? 36% institutions Q11D How much do you trust journalists in this country? 14% Q11E How much do you trust doctors & nurses in this country? 43% Q11F How much do you trust NGO workers in this country? 10% Q11G How much do you trust traditional healers in this country? 20% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists Q14B How much do you trust college & universite scientists to be open & honest 19% 13% Q15A How much do you trust corporate scientists to do work that benefits the public? 18% 13% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 23% 11% Q16 How much of the population does science benefit in this country? 8% 29% Q17 Does the work that scientists do benefit people like you? 64% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 34% 10% 110/ Q20 Which of the following people do you trust for medical/health advice? 76% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 7% 9% 31% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 89% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 94% D1 Do you have a religion 5% 93% Science and Q29 Has science ever disagreed with the teachings of your religion? 55% 32% 13% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 80% 100% 40% 60% No / Lower Yes / Higher For scaled questions



#### **Turkmenistan**

A summary of public attitudes to science and health challenges in Turkmenistan, based on a sample of 1,000 interviews.

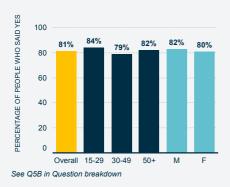
The interview type for this country was face to face.

The study was completed on 20 July 2018.

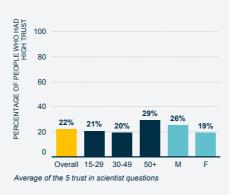
#### Country health indicators1: GDP per capita in PPP, international current dollars 17,992.77 (World Bank) GINI coefficient, most recent value 40.80 Life expectancy from birth (WB) 67.83 Mortality rate per live 1000 births, most recent value 40.60 Number of researchers working in R & D per million, N/A most recent value Research and development as percentage of GDP, N/A most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 4.6% 50-64 years 11.5% 12.4% 18.2% 35-49 years 18.2% 17.3% 25-34 years 17.5% 17.9% 15-24 years 18.4% 30.4% 29.6% 0-14 years 0% 0% 60% Male Female

# 81% said they learned about science at secondary school



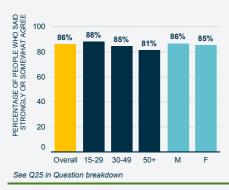
# 22% have high trust for the Trust in Science Index



72% said science benefits people like them in this country

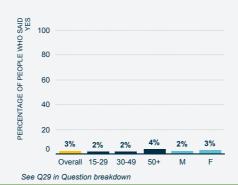


86% said they think vaccines are safe



Age

3% said that science disagrees with their religion



11% said they choose religion when science disagrees with their religion



Male/Female

Overall



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

Turkmenistan: Country-level findings

#### Turkmenistan

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived Q2 How much did you understand the meaning of 'science' & 'scientists'? 60% knowledge of science Q3 Do you think studying disease is a part of science? 92% Q5A Did you learn about science at primary school? 77% Perceived level Q5B Did you learn about science at secondary school? 81% of science education Q5C Did you learn about science at college/university? Q6 Have you tried to get science information in the past 30 days? 89% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 20% 51% Q9 Would you like to know more about medicine/disease/health? 63% 11% Q10A Do you have confidence in non profit organisations? 16% 66% Q10B Do you have confidence in hospitals/health clinics? 89% 4% 6% Q11A How much do you trust people in your neighbourhood? Confidence & Q11C How much do you trust scientists in this country? 9% 26% trust in science & institutions Q11D How much do you trust journalists in this country? 23% 14% Q11E How much do you trust doctors & nurses in this country? 53% Q11F How much do you trust NGO workers in this country? 33% 11% Q11G How much do you trust traditional healers in this country? 27% 15% Q12 How much do you trust science? 27% 7% Q13 How much do you trust scientists to find out accurate information? 8% 6% 22% Q14A How much do you trust college & university scientists to do work that benefits 10% 25% Trust in science/ scientists Q14B How much do you trust college & universite scientists to be open & honest 22% 10% about who pays for their work? Q15A How much do you trust corporate scientists to do work that benefits the public? 8% 26% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 9% 21% Q16 How much of the population does science benefit in this country? 8% 56% Q17 Does the work that scientists do benefit people like you? 72% 20% 8% Benefits of Q18 Do you think science & technology will improve life for the next generation? science 18% 75% Q19 Do you think science & technology will increase the number of jobs in your local 48% 26% area? Q20 Which of the following people do you trust for medical/health advice? 14% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 42% advice Q22 How much do you trust medical & health advice from doctors/nurses? 43% Q23 Before today, had you ever heard of a vaccine? 89% 6% 4% Q24 How much do you agree that vaccines are important for children to have? 87% Attitudes to Q25 How much do you agree that vaccines are safe? 84% Q26 How much do you agree that vaccines are effective? 83% Q28 If you have children, have your children received a vaccine? 99% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 26% religion Q30 When science disagrees with your religion, do you believe science? 29% 40% 11% 40% 60% 20% 80% 100% No / Lower 👅 Yes / Higher For scaled questions



UAE

## Country-level data

A summary of public attitudes to science and health challenges in the UAE, based on a sample of 1,005 interviews.

The interview type for this country was telephone.

The study was completed on 24 May 2018.

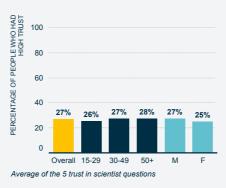
#### Country health indicators1: GDP per capita in PPP, international current dollars 73,878.47 (World Bank) GINI coefficient, most recent value N/A Life expectancy from birth (WB) 77.26 7.80 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 2,406.57 most recent value Research and development as percentage of GDP, 0.99% most recent value



#### 87% said they learned about science at secondary school



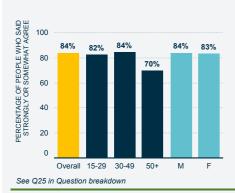
#### 27% have high trust for the Trust in Science Index



79% said science benefits people like them in this country



84% said they think vaccines are safe



Age

Male/Female

34% said that science disagrees with their religion



62% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

**UAE: Country-level findings** 

Overall



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018



#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? 7% Perceived Q2 How much did you understand the meaning of 'science' & 'scientists'? knowledge of 31% science Q3 Do you think studying disease is a part of science? 10% 88% Q5A Did you learn about science at primary school? 95% Perceived level Q5B Did you learn about science at secondary school? 87% of science education Q5C Did you learn about science at college/university? 48% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? 56% Interest in science Q8 Would you like to know more about science? 73% Q9 Would you like to know more about medicine/disease/health? 73% Q10A Do you have confidence in non profit organisations? 20% 10% 70% Q10B Do you have confidence in hospitals/health clinics? 80% 12% Q11A How much do you trust people in your neighbourhood? Confidence & Q11C How much do you trust scientists in this country? 26% 5% trust in science & institutions Q11D How much do you trust journalists in this country? 29% 19% Q11E How much do you trust doctors & nurses in this country? 41% 6% 4% Q11F How much do you trust NGO workers in this country? 24% 39% Q11G How much do you trust traditional healers in this country? 15% 31% Q12 How much do you trust science? 15% 44% Q13 How much do you trust scientists to find out accurate information? 13% 40% Q14A How much do you trust college & university scientists to do work that benefits 32% Trust in science/ scientists Q14B How much do you trust college & universite scientists to be open & honest 40% 24% about who pays for their work? Q15A How much do you trust corporate scientists to do work that benefits the public? 36% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 26% 34% Q16 How much of the population does science benefit in this country? 11% 46% Q17 Does the work that scientists do benefit people like you? 7% 79% Benefits of Q18 Do you think science & technology will improve life for the next generation? science 5% Q19 Do you think science & technology will increase the number of jobs in your local 61% area? Q20 Which of the following people do you trust for medical/health advice? **72**% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 64% advice Q22 How much do you trust medical & health advice from doctors/nurses? 47% Q23 Before today, had you ever heard of a vaccine? 77% Q24 How much do you agree that vaccines are important for children to have? 81% Attitudes to Q25 How much do you agree that vaccines are safe? 65% Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 98% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 13% 53% 34% religion Q30 When science disagrees with your religion, do you believe science? 5% 8% 25% 0% 20% 40% 60% 80% 100% No / Lower Yes / Higher For scaled questions



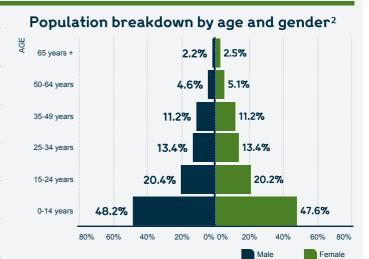
## Uganda

A summary of public attitudes to science and health challenges in Uganda, based on a sample of 1,000 interviews.

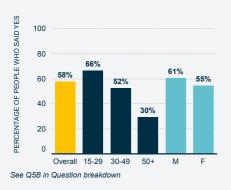
The interview type for this country was face to face.

The study was completed on 22 September 2018.

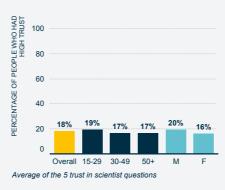
#### Country health indicators1: GDP per capita in PPP, international current dollars 1,864.22 (World Bank) GINI coefficient, most recent value 42.80 Life expectancy from birth (WB) 59.89 Mortality rate per live 1000 births, most recent value 35.40 Number of researchers working in R & D per million, 26.47 most recent value Research and development as percentage of GDP, 0.17% most recent value



# 58% said they learned about science at secondary school



18% have high trust for the Trust in Science Index



76% said science benefits people like them in this country



86% said they think vaccines are safe



Age

40% said that science disagrees with their religion



73% said they choose religion when science disagrees with their religion



Male/Female

Overall

Uganda: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

## Uganda

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? 6% Perceived level Q5B Did you learn about science at secondary school? 20% 58% education Q5C Did you learn about science at college/university? 24% 19% Q6 Have you tried to get science information in the past 30 days? 57% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 96% Q10A Do you have confidence in non profit organisations? 56% 8% Q10B Do you have confidence in hospitals/health clinics? 54% Q11A How much do you trust people in your neighbourhood? 36% Q11B How much do you trust this country's national government? 25% Confidence & trust in science & Q11C How much do you trust scientists in this country? 30% 10% institutions Q11D How much do you trust journalists in this country? 35% Q11E How much do you trust doctors & nurses in this country? 40% Q11F How much do you trust NGO workers in this country? 22% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 31% Q13 How much do you trust scientists to find out accurate information? 28% Q14A How much do you trust college & university scientists to do work that benefits Trust in science 12% 31% Q14B How much do you trust college & universite scientists to be open & honest scientists 16% 22% Q15A How much do you trust corporate scientists to do work that benefits the public? 31% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 23% Q16 How much of the population does science benefit in this country? 36% Q17 Does the work that scientists do benefit people like you? 76% Benefits of Q18 Do you think science & technology will improve life for the next generation? 9% 83% 9% Q19 Do you think science & technology will increase the number of jobs in your local 9% 65% Q20 Which of the following people do you trust for medical/health advice? 78% Trust in sources of medical/health 9% Q21 How much do you trust medical & health advice from this country's government? 4% 6% 37% advice Q22 How much do you trust medical & health advice from doctors/nurses? 48% Q23 Before today, had you ever heard of a vaccine? 81% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 75% 5% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 97% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 40% 12% religion Q30 When science disagrees with your religion, do you believe science? 0% 20% 100% 40% 60% 80% No / Lower Yes / Higher For scaled questions



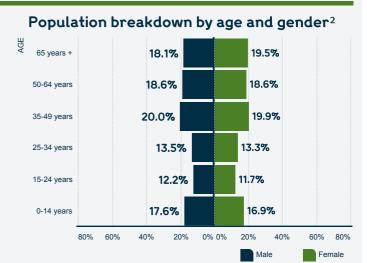
UK

A summary of public attitudes to science and health challenges in the UK, based on a sample of 1,000 interviews.

The interview type for this country was telephone.

The study was completed on 22 May 2018.

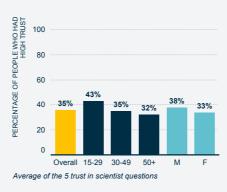
#### Country health indicators1: GDP per capita in PPP, international current dollars 43,268.78 (World Bank) GINI coefficient, most recent value 33.20 Life expectancy from birth (WB) 80.96 3.70 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 4,429.58 most recent value Research and development as percentage of GDP, 1.69% most recent value



# 90% said they learned about science at secondary school



# 35% have high trust for the Trust in Science Index



82% said science benefits people like them in this country



# 75% said they think vaccines are safe



44% said that science disagrees with their religion

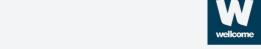


42% said they choose religion when science disagrees with their religion



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018





Overall Age Male/Female



#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 48% science Q3 Do you think studying disease is a part of science? 93% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 90% education Q5C Did you learn about science at college/university? 32% Q6 Have you tried to get science information in the past 30 days? 61% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 66% Q10A Do you have confidence in non profit organisations? 62% Q10B Do you have confidence in hospitals/health clinics? 82% Q11A How much do you trust people in your neighbourhood? 53% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 47% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? Q11F How much do you trust NGO workers in this country? 33% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? 54% Q14A How much do you trust college & university scientists to do work that benefits Trust in science 48% Q14B How much do you trust college & universite scientists to be open & honest scientists Q15A How much do you trust corporate scientists to do work that benefits the public? 24% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 19% Q16 How much of the population does science benefit in this country? 50% Q17 Does the work that scientists do benefit people like you? 82% 14% Benefits of Q18 Do you think science & technology will improve life for the next generation? 4% 11% Q19 Do you think science & technology will increase the number of jobs in your local 8% 45% Q20 Which of the following people do you trust for medical/health advice? 4% 90% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 41% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 97% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 46% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? D1 Do you have a religion 69% Science and Q29 Has science ever disagreed with the teachings of your religion? 44% 9% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 60% 80% 100% 40% Yes / Higher No / Lower For scaled questions



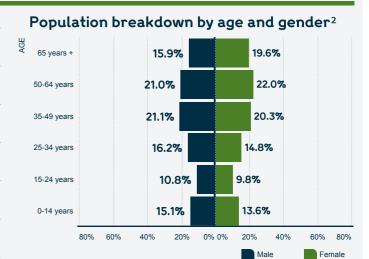
Ukraine

A summary of public attitudes to science and health challenges in Ukraine, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 18 August 2018.

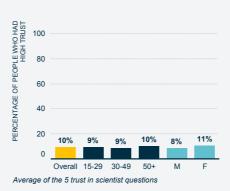
## Country health indicators1: GDP per capita in PPP, international current dollars 8,666.90 (World Bank) GINI coefficient, most recent value 25.00 Life expectancy from birth (WB) 71.48 7.50 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 1,037.24 most recent value Research and development as percentage of GDP, 0.48% most recent value



# 95% said they learned about science at secondary school



# 10% have high trust for the Trust in Science Index



60% said science benefits people like them in this country



29% said they think vaccines are safe



31% said that science disagrees with their religion

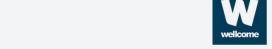


34% said they choose religion when science disagrees with their religion



**Ukraine: Country-level findings** 

Overall



Age Male/Female

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

### Ukraine

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? 6% Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 95% education Q5C Did you learn about science at college/university? 61% 25% Q6 Have you tried to get science information in the past 30 days? 26% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 17% Q9 Would you like to know more about medicine/disease/health? 13% 59% Q10A Do you have confidence in non profit organisations? 42% 36% Q10B Do you have confidence in hospitals/health clinics? 55% 13% Q11A How much do you trust people in your neighbourhood? 23% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 18% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 14% Q11F How much do you trust NGO workers in this country? Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 18% Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 14% Q14B How much do you trust college & universite scientists to be open & honest 26% 9% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 8% Q16 How much of the population does science benefit in this country? 44% Q17 Does the work that scientists do benefit people like you? 60% 21% Benefits of Q18 Do you think science & technology will improve life for the next generation? 12% Q19 Do you think science & technology will increase the number of jobs in your local 23% Q20 Which of the following people do you trust for medical/health advice? Trust in sources of medical/health 5% 259 Q21 How much do you trust medical & health advice from this country's government? advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 94% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 19% vaccines Q26 How much do you agree that vaccines are effective? 8% Q28 If you have children, have your children received a vaccine? D1 Do you have a religion 91% Science and Q29 Has science ever disagreed with the teachings of your religion? 35% 34% 31% religion Q30 When science disagrees with your religion, do you believe science? 24% 35% . 0% 20% 40% 80% 100% 60% No / Lower Yes / Higher For scaled questions



# Uruguay

A summary of public attitudes to science and health challenges in Uruguay, based on a sample of 1,000 interviews.

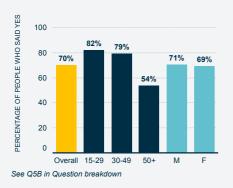
The interview type for this country was face to face.

The study was completed on 13 December 2018.

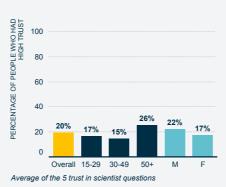
## Country health indicators1: GDP per capita in PPP, international current dollars 22,562.46 (World Bank) GINI coefficient, most recent value 39.70 Life expectancy from birth (WB) 77.49 7.00 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 645.18 most recent value Research and development as percentage of GDP, 0.36% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 14.4% 17.1% 50-64 years 16.1% 16.3% 18.9% 35-49 years 19.3% 13.1% 25-34 years 13.6% 14.4% 15-24 years 15.1% 20.2% 0-14 years 21.4% 60% 40% 0% 0%

## 70% said they learned about science at secondary school



# 20% have high trust for the Trust in Science Index



56% said science benefits people like them in this country

Male

Female

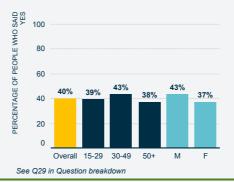


72% said they think vaccines are safe



Age

40% said that science disagrees with their religion



42% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

Overall

**Uruguay: Country-level findings** 



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

# Uruguay

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 93% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 70% education Q5C Did you learn about science at college/university? 43% 28% Q6 Have you tried to get science information in the past 30 days? 39% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 78% Q10A Do you have confidence in non profit organisations? 47% 23% Q10B Do you have confidence in hospitals/health clinics? 76% Q11A How much do you trust people in your neighbourhood? 35% Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 31% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 44% Q11F How much do you trust NGO workers in this country? Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 6% 5% Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 29% Q14B How much do you trust college & universite scientists to be open & honest 21% Q15A How much do you trust corporate scientists to do work that benefits the public? 19% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 16% Q16 How much of the population does science benefit in this country? 25% Q17 Does the work that scientists do benefit people like you? 56% 10% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 34% Q20 Which of the following people do you trust for medical/health advice? Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 6% 36% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 96% Q24 How much do you agree that vaccines are important for children to have? 83% Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 96% D1 Do you have a religion 66% Science and Q29 Has science ever disagreed with the teachings of your religion? 43% 40% religion Q30 When science disagrees with your religion, do you believe science? 40% 0% 20% 60% 80% 100% 40% No / Lower Yes / Higher For scaled questions



USA

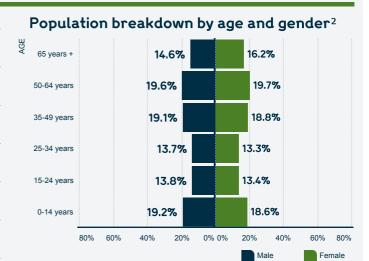
# Country-level data

A summary of public attitudes to science and health challenges in the USA, based on a sample of 1,006 interviews.

The interview type for this country was telephone.

The study was completed on 23 August 2018.

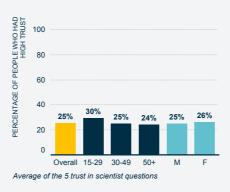
## Country health indicators1: GDP per capita in PPP, international current dollars 59,531.66 (World Bank) GINI coefficient, most recent value 41.50 Life expectancy from birth (WB) 78.69 Mortality rate per live 1000 births, most recent value 5.70 Number of researchers working in R & D per million, 4,313.38 most recent value Research and development as percentage of GDP, 2.74% most recent value



# 87% said they learned about science at secondary school



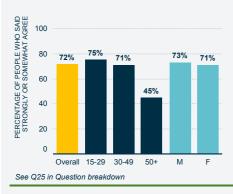
25% have high trust for the Trust in Science Index



83% said science benefits people like them in this country



72% said they think vaccines are safe



59% said that science disagrees with their religion



60% said they choose religion when science disagrees with their religion



Age Male/Female

USA: Country-level findings

Overall

W wellcome

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018



#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 69% science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? education Q5C Did you learn about science at college/university? 59% Q6 Have you tried to get science information in the past 30 days? 56% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 79% Q10A Do you have confidence in non profit organisations? 60% 27% Q10B Do you have confidence in hospitals/health clinics? 76% Q11A How much do you trust people in your neighbourhood? Q11B How much do you trust this country's national government? Confidence & trust in science & Q11C How much do you trust scientists in this country? 43% institutions Q11D How much do you trust journalists in this country? 18% Q11E How much do you trust doctors & nurses in this country? 51% Q11F How much do you trust NGO workers in this country? 22% Q11G How much do you trust traditional healers in this country? 11% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists Q14B How much do you trust college & universite scientists to be open & honest 19% 19% Q15A How much do you trust corporate scientists to do work that benefits the public? Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? Q16 How much of the population does science benefit in this country? 48% Q17 Does the work that scientists do benefit people like you? 83% Benefits of Q18 Do you think science & technology will improve life for the next generation? 91% Q19 Do you think science & technology will increase the number of jobs in your local 7% 61% Q20 Which of the following people do you trust for medical/health advice? 88% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 12% advice Q22 How much do you trust medical & health advice from doctors/nurses? 54% Q23 Before today, had you ever heard of a vaccine? 98% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 93% D1 Do you have a religion Science and Q29 Has science ever disagreed with the teachings of your religion? 35% 59% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 40% 80% 100% 60% No / Lower Yes / Higher For scaled questions



## Uzbekistan

A summary of public attitudes to science and health challenges in Uzbekistan, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 16 August 2018.

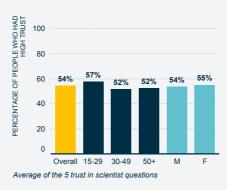
## Country health indicators1: GDP per capita in PPP, international current dollars 6,865.00 (World Bank) GINI coefficient, most recent value 35.30 71.31 Life expectancy from birth (WB) Mortality rate per live 1000 births, most recent value 20.00 Number of researchers working in R & D per million, 505.97 most recent value Research and development as percentage of GDP, 0.22% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 4.9% 50-64 years 12.0% 12.5% 18.5% 35-49 years 18.1% 18.1% 25-34 years 18.2% 18.9% 19.4% 15-24 years 28.1% 27.2% 0-14 years 0% 0% 20% 60%

## 98% said they learned about science at secondary school



54% have high trust for the Trust in Science Index



83% said science benefits people like them in this country

Male

Female



92% said they think vaccines are safe



Age

52% said that science disagrees with their religion



22% said they choose religion when science disagrees with their religion



Overall

Uzbekistan: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

## Uzbekistan

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Famous person Neutral Q1 How much do you know about science? 8% Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? education Q5C Did you learn about science at college/university? 14% Q6 Have you tried to get science information in the past 30 days? 36% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 12% Q9 Would you like to know more about medicine/disease/health? 90% Q10A Do you have confidence in non profit organisations? 74% 13% Q10B Do you have confidence in hospitals/health clinics? 89% Q11A How much do you trust people in your neighbourhood? 68% Q11B How much do you trust this country's national government? 91% Confidence & trust in science & Q11C How much do you trust scientists in this country? 66% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 61% Q11F How much do you trust NGO workers in this country? 12% 39% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 8% 49% Q14B How much do you trust college & universite scientists to be open & honest 14% Q15A How much do you trust corporate scientists to do work that benefits the public? 8% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 43% Q16 How much of the population does science benefit in this country? 9% 7% 56% Q17 Does the work that scientists do benefit people like you? 83% 7% 10% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 5% 8% 86% Q20 Which of the following people do you trust for medical/health advice? 79% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? advice Q22 How much do you trust medical & health advice from doctors/nurses? П Q23 Before today, had you ever heard of a vaccine? 90% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 93% D1 Do you have a religion Science and Q29 Has science ever disagreed with the teachings of your religion? 18% 30% religion Q30 When science disagrees with your religion, do you believe science? 60% 0% 20% 40% 60% 80% 100% No / Lower Yes / Higher For scaled questions



## Venezuela

A summary of public attitudes to science and health challenges in Venezuela, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 28 November 2018.

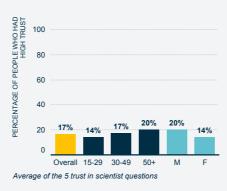
## Country health indicators1: GDP per capita in PPP, international current dollars 17,639.89 (World Bank) GINI coefficient, most recent value 46.90 Life expectancy from birth (WB) 74.54 25.70 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 240.35 most recent value Research and development as percentage of GDP, 0.25% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 6.9% 50-64 years 13.0% 12.7% 19.0% 35-49 years 18.9% 16.2% 25-34 years 16.2% 17.4% 15-24 years 17.7% 28.2% 27.5% 0-14 years 60% 60% 0% 0% 20%

# 76% said they learned about science at secondary school



## 17% have high trust for the Trust in Science Index



60% said science benefits people like them in this country

Male

Female



92% said they think vaccines are safe



39% said that science disagrees with their religion



76% said they choose religion when science disagrees with their religion



Overall Age Male/Female

Venezuela: Country-level findings



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

### Venezuela

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? science Q3 Do you think studying disease is a part of science? 92% Q5A Did you learn about science at primary school? Perceived level Q5B Did you learn about science at secondary school? 76% education Q5C Did you learn about science at college/university? 28% 32% Q6 Have you tried to get science information in the past 30 days? 28% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? Q9 Would you like to know more about medicine/disease/health? 90% Q10A Do you have confidence in non profit organisations? 51% 36% 13% Q10B Do you have confidence in hospitals/health clinics? 51% Q11A How much do you trust people in your neighbourhood? 16% Q11B How much do you trust this country's national government? 12% Confidence & trust in science & Q11C How much do you trust scientists in this country? institutions Q11D How much do you trust journalists in this country? 13% Q11E How much do you trust doctors & nurses in this country? 28% Q11F How much do you trust NGO workers in this country? 12% Q11G How much do you trust traditional healers in this country? 10% Q12 How much do you trust science? 4% 8% Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 23% Q14B How much do you trust college & universite scientists to be open & honest 17% Q15A How much do you trust corporate scientists to do work that benefits the public? 20% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 19% Q16 How much of the population does science benefit in this country? 29% Q17 Does the work that scientists do benefit people like you? 60% Benefits of Q18 Do you think science & technology will improve life for the next generation? 14% Q19 Do you think science & technology will increase the number of jobs in your local 10% 56% Q20 Which of the following people do you trust for medical/health advice? 71% 4% 4% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? advice Q22 How much do you trust medical & health advice from doctors/nurses? 29% 10% Q23 Before today, had you ever heard of a vaccine? 88% Q24 How much do you agree that vaccines are important for children to have? Attitudes to Q25 How much do you agree that vaccines are safe? 79% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 96% D1 Do you have a religion 6% 5% 89% Science and Q29 Has science ever disagreed with the teachings of your religion? 39% 5% religion Q30 When science disagrees with your religion, do you believe science? 16% . 0% 20% 40% 100% 60% 80% Yes / Higher No / Lower For scaled questions



## **Vietnam**

A summary of public attitudes to science and health challenges in Vietnam, based on a sample of 1,012 interviews.

The interview type for this country was face to face.

The study was completed on 19 August 2018.

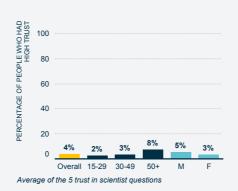
## Country health indicators1: GDP per capita in PPP, international current dollars 6,775.83 (World Bank) GINI coefficient, most recent value 35.30 Life expectancy from birth (WB) 76.25 16.70 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 672.07 most recent value Research and development as percentage of GDP, 0.44% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 8.4% 50-64 years 14.3% 14.9% 21.1% 35-49 years 21.2% 17.5% 25-34 years 17.8% 16.3% 15-24 years 16.9% 23.1% 21.8% 0-14 years 60% 0% 0%

# 51% said they learned about science at secondary school

#### 

# 4% have high trust for the Trust in Science Index



62% said science benefits people like them in this country

Male

Female



# 71% said they think vaccines are safe



9% said that science disagrees with their religion



13% said they choose religion when science disagrees with their religion



Overall Age Male/Female

World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

Vietnam: Country-level findings

Wellcome

### **Vietnam**

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Neutral Famous person Q1 How much do you know about science? 10% Perceived Q2 How much did you understand the meaning of 'science' & 'scientists'? knowledge of 11% 37% science Q3 Do you think studying disease is a part of science? 60% 13% Q5A Did you learn about science at primary school? 61% 5% 5% Perceived level Q5B Did you learn about science at secondary school? 10% 51% of science education Q5C Did you learn about science at college/university? 29% 5% Q6 Have you tried to get science information in the past 30 days? Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 54% 42% Q9 Would you like to know more about medicine/disease/health? 60% Q10A Do you have confidence in non profit organisations? 15% 54% Q10B Do you have confidence in hospitals/health clinics? 80% Q11A How much do you trust people in your neighbourhood? Confidence & Q11C How much do you trust scientists in this country? 4% 8% trust in science & institutions Q11D How much do you trust journalists in this country? 5% 10% Q11E How much do you trust doctors & nurses in this country? 23% Q11F How much do you trust NGO workers in this country? 7% 21% Q11G How much do you trust traditional healers in this country? 16% 7% 5% Q12 How much do you trust science? 32% 7% Q13 How much do you trust scientists to find out accurate information? 36% 8% Q14A How much do you trust college & university scientists to do work that benefits 38% 7% Trust in science/ scientists Q14B How much do you trust college & universite scientists to be open & honest 42% 5% about who pays for their work? Q15A How much do you trust corporate scientists to do work that benefits the public? 38% 6% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 42% 4% Q16 How much of the population does science benefit in this country? 20% 23% Q17 Does the work that scientists do benefit people like you? 62% 17% 21% Benefits of Q18 Do you think science & technology will improve life for the next generation? science 11% 82% Q19 Do you think science & technology will increase the number of jobs in your local 61% area? Q20 Which of the following people do you trust for medical/health advice? 79% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 32% advice Q22 How much do you trust medical & health advice from doctors/nurses? 41% 11% Q23 Before today, had you ever heard of a vaccine? 10% 42% Q24 How much do you agree that vaccines are important for children to have? 70% 5% Attitudes to Q25 How much do you agree that vaccines are safe? 35% 9% Q26 How much do you agree that vaccines are effective? 46% Q28 If you have children, have your children received a vaccine? 93% D1 Do you have a religion 46% Science and Q29 Has science ever disagreed with the teachings of your religion? religion Q30 When science disagrees with your religion, do you believe science? 6% 52% 139 29% 40% . 0% 20% 60% 80% 100% No / Lower Yes / Higher For scaled questions



Yemen

A summary of public attitudes to science and health challenges in Yemen, based on a sample of 1,000 interviews.

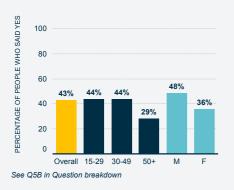
The interview type for this country was face to face.

The study was completed on 10 November 2018.

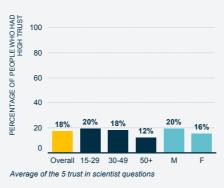
## Country health indicators1: GDP per capita in PPP, international current dollars 2,600.87 (World Bank) GINI coefficient, most recent value 36.70 Life expectancy from birth (WB) 64.95 43.20 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, N/A most recent value Research and development as percentage of GDP, N/A most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 3.1% 50-64 years 6.6% 6.3% 12.2% 35-49 years 12.2% 16.0% 25-34 years 16.1% 21.8% 22.0% 15-24 years 40.6% 40.2% 0-14 years 80% 40% 20% 0% 0% 60%

# 43% said they learned about science at secondary school



# 18% have high trust for the Trust in Science Index



58% said science benefits people like them in this country

Male

Female



84% said they think vaccines are safe



Male/Female

11% said that science disagrees with their religion



78% said they choose religion when science disagrees with their religion



See Q30 in Question breakdown

Overall

Yemen: Country-level findings



<sup>&</sup>lt;sup>1</sup> World Bank, World Population Report, 2018

<sup>&</sup>lt;sup>2</sup> United Nations, World Population Report, 2018

### Yemen

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Traditional healer Some Family/friends Not much Famous person Neutral Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 23% science Q3 Do you think studying disease is a part of science? 25% 5% 69% Q5A Did you learn about science at primary school? 35% Perceived level Q5B Did you learn about science at secondary school? 15% 43% education Q5C Did you learn about science at college/university? 20% 44% Q6 Have you tried to get science information in the past 30 days? 83% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 35% 61% Q9 Would you like to know more about medicine/disease/health? Q10A Do you have confidence in non profit organisations? 65% 10% 26% Q10B Do you have confidence in hospitals/health clinics? 59% Q11A How much do you trust people in your neighbourhood? Q11B How much do you trust this country's national government? 10% Confidence & trust in science & Q11C How much do you trust scientists in this country? 26% institutions Q11D How much do you trust journalists in this country? Q11E How much do you trust doctors & nurses in this country? 27% Q11F How much do you trust NGO workers in this country? 23% Q11G How much do you trust traditional healers in this country? 14% 18% Q12 How much do you trust science? Q13 How much do you trust scientists to find out accurate information? Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 29% 24% Q14B How much do you trust college & universite scientists to be open & honest 37% 18% Q15A How much do you trust corporate scientists to do work that benefits the public? 21% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 16% Q16 How much of the population does science benefit in this country? 29% Q17 Does the work that scientists do benefit people like you? 58% 20% Benefits of Q18 Do you think science & technology will improve life for the next generation? Q19 Do you think science & technology will increase the number of jobs in your local 24% 12% 57% Q20 Which of the following people do you trust for medical/health advice? 59% Trust in sources of medical/health 7% Q21 How much do you trust medical & health advice from this country's government? 6% 6% 30% advice Q22 How much do you trust medical & health advice from doctors/nurses? 4% 30% Q23 Before today, had you ever heard of a vaccine? 98% Q24 How much do you agree that vaccines are important for children to have? 8n% Attitudes to Q25 How much do you agree that vaccines are safe? vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 98% D1 Do you have a religion 100% Science and Q29 Has science ever disagreed with the teachings of your religion? 28% 61% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 40% 60% 80% 100% Yes / Higher No / Lower For scaled questions



## **Zambia**

A summary of public attitudes to science and health challenges in Zambia, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 13 September 2018.

## Country health indicators1: GDP per capita in PPP, international current dollars 4,024.05 (World Bank) GINI coefficient, most recent value 57.10 61.87 Life expectancy from birth (WB) 41.50 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 40.97 most recent value Research and development as percentage of GDP, 0.28% most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 2.8% 50-64 years 4.9% 12.4% 35-49 years 12.3% 14.3% 25-34 years 14.4% 20.4% 20.6% 15-24 years 44.7% 0-14 years 45.4% 80% 60% 40% 20% 0% 0% 60%

# 60% said they learned about science at secondary school



## 17% have high trust for the Trust in Science Index



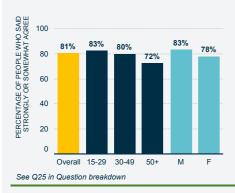
67% said science benefits people like them in this country

Male

Female



81% said they think vaccines are safe



41% said that science disagrees with their religion



86% said they choose religion when science disagrees with their religion



Age Male/Female

Zambia: Country-level findings

Overall



World Bank, World Population Report, 2018
 United Nations, World Population Report, 2018

## Zambia

#### Question breakdown Answer types Role types Yes / A lot No / Not at all Doctor/nurse Religious leader N/A / Don't know/refused / It depends Family/friends Traditional healer Some Not much Neutral Famous person Q1 How much do you know about science? Perceived knowledge of Q2 How much did you understand the meaning of 'science' & 'scientists'? 25% science Q3 Do you think studying disease is a part of science? 82% Q5A Did you learn about science at primary school? 83% Perceived level Q5B Did you learn about science at secondary school? 60% education Q5C Did you learn about science at college/university? 58% 29% Q6 Have you tried to get science information in the past 30 days? 68% Q7 Have you tried to get health information in the past 30 days? Interest in science Q8 Would you like to know more about science? 11% Q9 Would you like to know more about medicine/disease/health? 94% Q10A Do you have confidence in non profit organisations? **57%** 12% Q10B Do you have confidence in hospitals/health clinics? 81% Q11A How much do you trust people in your neighbourhood? 37% Q11B How much do you trust this country's national government? 37% Confidence & trust in science & Q11C How much do you trust scientists in this country? 17% 29% institutions Q11D How much do you trust journalists in this country? 10% 7% 33% Q11E How much do you trust doctors & nurses in this country? 56% Q11F How much do you trust NGO workers in this country? 12% 29% Q11G How much do you trust traditional healers in this country? Q12 How much do you trust science? 6% 26% Q13 How much do you trust scientists to find out accurate information? 24% Q14A How much do you trust college & university scientists to do work that benefits Trust in science/ scientists 20% 23% Q14B How much do you trust college & universite scientists to be open & honest 26% 18% Q15A How much do you trust corporate scientists to do work that benefits the public? 27% Q15B How much do you trust corporate scientists to be open & honest about who pays for their work? 21% Q16 How much of the population does science benefit in this country? 11% 32% Q17 Does the work that scientists do benefit people like you? 67% 10% Benefits of Q18 Do you think science & technology will improve life for the next generation? 11% 78% Q19 Do you think science & technology will increase the number of jobs in your local 13% 17% 64% Q20 Which of the following people do you trust for medical/health advice? 81% Trust in sources of medical/health Q21 How much do you trust medical & health advice from this country's government? 7% 5% 43% advice Q22 How much do you trust medical & health advice from doctors/nurses? Q23 Before today, had you ever heard of a vaccine? 77% Q24 How much do you agree that vaccines are important for children to have? 84% Attitudes to Q25 How much do you agree that vaccines are safe? 69% vaccines Q26 How much do you agree that vaccines are effective? Q28 If you have children, have your children received a vaccine? 97% D1 Do you have a religion 99% Science and Q29 Has science ever disagreed with the teachings of your religion? 41% 13% religion Q30 When science disagrees with your religion, do you believe science? . 0% 20% 40% 100% 60% 80% Yes / Higher No / Lower For scaled questions



## **Zimbabwe**

A summary of public attitudes to science and health challenges in Zimbabwe, based on a sample of 1,000 interviews.

The interview type for this country was face to face.

The study was completed on 22 September 2018.

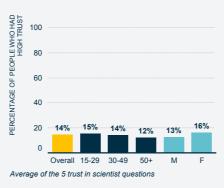
## Country health indicators1: GDP per capita in PPP, international current dollars 2,428.56 (World Bank) GINI coefficient, most recent value 43.20 Life expectancy from birth (WB) 61.16 36.50 Mortality rate per live 1000 births, most recent value Number of researchers working in R & D per million, 88.72 most recent value Research and development as percentage of GDP, N/A most recent value

#### Population breakdown by age and gender<sup>2</sup> 65 years + 3.2% 50-64 years 5.3% 6.0% 13.1% 35-49 years 12.8% 16.9% 17.2% 25-34 years 20.3% 20.7% 15-24 years 41.5% 40.2% 0-14 years 80% 20% 0% 0% 60%

# 69% said they learned about science at secondary school



14% have high trust for the Trust in Science Index



71% said science benefits people like them in this country

Male

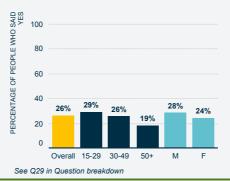
Female



85% said they think vaccines are safe



26% said that science disagrees with their religion



62% said they choose religion when science disagrees with their religion



Overall Age Male/Female



Zimbabwe: Country-level findings

wellcome

## **Zimbabwe**

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