

Supplemental material:

Partisanship and anti-elite worldviews as correlates of
science and health beliefs in the multi-party system of
Spain

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Table S11: Proportion of the population holding misperceptions by item

| Question wording | Strongly agree | Agree | Neither agree nor disagree | Disagree | Strongly disagree | Don't know | Misinformed | Informed | Uninformed | Ratio |
|--|----------------|--------|----------------------------|----------|-------------------|------------|-------------|----------|------------|-------|
| I believe that genetically modified food harms the environment. | 10.93% | 25.26% | 29.95% | 13.16% | 3.55% | 17.15% | 36.19% | 16.71% | 47.10% | 2.17 |
| I believe genetically modified foods are as safe to eat as conventional foods. | 5.39% | 15.00% | 26.97% | 28.57% | 14.96% | 9.12% | 43.52% | 20.39% | 36.08% | 2.13 |
| The new 5G mobile network poses health risks. | 9.25% | 17.24% | 33.01% | 14.99% | 10.47% | 15.04% | 26.49% | 25.47% | 48.04% | 1.04 |
| I believe you can get the flu from the flu vaccine. | 6.02% | 28.67% | 20.13% | 23.38% | 15.59% | 6.20% | 34.69% | 38.98% | 26.33% | 0.89 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | 9.35% | 26.48% | 18.62% | 22.02% | 18.48% | 5.06% | 35.83% | 40.50% | 23.67% | 0.88 |
| I believe some vaccines cause autism in healthy children. | 2.57% | 6.18% | 14.48% | 24.74% | 36.17% | 15.86% | 8.75% | 60.91% | 30.34% | 0.14 |
| I believe HPV vaccination at age 12 promotes sexual activity. | 2.52% | 3.65% | 19.64% | 20.63% | 29.97% | 23.60% | 6.17% | 50.59% | 43.24% | 0.12 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | 32.86% | 40.47% | 14.38% | 6.82% | 2.01% | 3.46% | 8.83% | 73.34% | 17.83% | 0.12 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | 1.34% | 7.73% | 8.37% | 20.09% | 57.76% | 4.72% | 9.07% | 77.85% | 13.08% | 0.12 |
| 5G technology helps transmit coronavirus. | 2.58% | 4.28% | 11.96% | 15.85% | 48.43% | 16.90% | 6.86% | 64.8% | 28.85% | 0.11 |

Note: The reported ratios estimate the ratio of misinformed to informed responses. The misperceptions in the table are ordered by ratio from largest to smallest.

Table S12: Misinformed proportions by party: PSOE and PP

| item | party | Strongly agree | Agree | Neither agree nor disagree | Disagree | Strongly disagree | Don't know | misinformed | informed | uninformed | ratio |
|--|-------|----------------|-------|----------------------------|----------|-------------------|------------|-------------|----------|------------|-------|
| I believe genetically modified foods are as safe to eat as conventional foods. | PSOE | 2.51 | 12.54 | 35.08 | 29.82 | 13.31 | 6.74 | 43.13 | 15.05 | 41.81 | 2.87 |
| I believe that genetically modified food harms the environment. | PSOE | 10.95 | 27.06 | 30.28 | 10.26 | 3.12 | 18.33 | 38.01 | 13.38 | 48.61 | 2.84 |
| The new 5G mobile network poses health risks. | PSOE | 7.43 | 18.14 | 33.97 | 13.96 | 12.66 | 13.84 | 25.57 | 26.62 | 47.81 | 0.96 |
| I believe you can get the flu from the flu vaccine. | PSOE | 5.48 | 28.52 | 19.68 | 23.13 | 19.14 | 4.03 | 34.01 | 42.28 | 23.72 | 0.80 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | PSOE | 5.69 | 24.18 | 18.53 | 26.11 | 21.68 | 3.80 | 29.87 | 47.79 | 22.33 | 0.62 |
| People who come to live here from other countries are more likely to commit violent crimes than people who were born here. | PSOE | 4.48 | 14.54 | 24.28 | 29.29 | 25.02 | 2.37 | 19.02 | 54.32 | 26.66 | 0.35 |
| I believe some vaccines cause autism in healthy children. | PSOE | 4.12 | 6.04 | 13.42 | 23.15 | 39.65 | 13.62 | 10.16 | 62.80 | 27.04 | 0.16 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | PSOE | 2.11 | 8.28 | 6.70 | 16.13 | 63.52 | 3.26 | 10.39 | 79.65 | 9.97 | 0.13 |
| I believe HPV vaccination at age 12 promotes sexual activity. | PSOE | 2.65 | 4.13 | 20.40 | 23.02 | 30.65 | 19.14 | 6.78 | 53.67 | 39.55 | 0.13 |
| 5G technology helps transmit coronavirus. | PSOE | 1.62 | 3.91 | 10.39 | 15.15 | 52.39 | 16.53 | 5.53 | 67.5 | 26.92 | 0.08 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | PSOE | 37.42 | 43.26 | 11.71 | 3.15 | 2.09 | 2.37 | 5.24 | 80.68 | 14.08 | 0.06 |
| People who come to live here from other countries are more likely to commit violent crimes than people who were born here. | PP | 8.79 | 30.09 | 33.45 | 18.78 | 6.54 | 2.36 | 38.88 | 25.32 | 35.81 | 1.54 |
| The new 5G mobile network poses health risks. | PP | 9.00 | 25.35 | 31.22 | 15.11 | 7.62 | 11.70 | 34.36 | 22.73 | 42.92 | 1.51 |
| I believe that genetically modified food harms the environment. | PP | 9.19 | 21.12 | 33.60 | 16.59 | 3.88 | 15.61 | 30.31 | 20.48 | 49.21 | 1.48 |
| I believe genetically modified foods are as safe to eat as conventional foods. | PP | 10.19 | 18.80 | 23.51 | 31.71 | 9.91 | 5.89 | 41.61 | 28.99 | 29.40 | 1.44 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | PP | 11.18 | 31.93 | 18.12 | 15.26 | 17.75 | 5.75 | 43.12 | 33.02 | 23.87 | 1.31 |
| I believe you can get the flu from the flu vaccine. | PP | 7.68 | 27.69 | 16.21 | 28.54 | 13.52 | 6.35 | 35.37 | 42.07 | 22.56 | 0.84 |
| I believe HPV vaccination at age 12 promotes sexual activity. | PP | 4.59 | 5.98 | 17.29 | 16.07 | 25.74 | 30.33 | 10.58 | 41.81 | 47.62 | 0.25 |
| 5G technology helps transmit coronavirus. | PP | 5.08 | 3.95 | 10.93 | 19.73 | 41.47 | 18.84 | 9.03 | 61.20 | 29.77 | 0.15 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | PP | 1.73 | 9.03 | 12.68 | 22.55 | 51.63 | 2.38 | 10.76 | 74.18 | 15.07 | 0.15 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | PP | 26.33 | 43.33 | 18.93 | 7.94 | 1.32 | 2.15 | 9.26 | 69.66 | 21.08 | 0.13 |
| I believe some vaccines cause autism in healthy children. | PP | 1.48 | 5.38 | 15.80 | 16.27 | 39.35 | 21.71 | 6.86 | 55.63 | 37.51 | 0.12 |

Table SI3: Misinformed proportions by party: Podemos and Vox

| item | party | Strongly agree | Agree | Neither agree nor disagree | Disagree | Strongly disagree | Don't know | misinformed | informed | uninformed | ratio |
|--|---------|----------------|-------|----------------------------|----------|-------------------|------------|-------------|----------|------------|-------|
| I believe genetically modified foods are as safe to eat as conventional foods. | Podemos | 9.10 | 16.42 | 22.28 | 33.61 | 12.87 | 5.72 | 46.48 | 25.53 | 27.99 | 1.82 |
| I believe that genetically modified food harms the environment. | Podemos | 12.14 | 25.64 | 26.53 | 19.37 | 3.92 | 12.41 | 37.78 | 23.29 | 38.94 | 1.62 |
| The new 5G mobile network poses health risks. | Podemos | 15.37 | 16.73 | 27.06 | 15.44 | 11.23 | 14.18 | 32.10 | 26.67 | 41.24 | 1.20 |
| I believe you can get the flu from the flu vaccine. | Podemos | 5.13 | 29.34 | 21.79 | 14.73 | 21.02 | 7.99 | 34.46 | 35.76 | 29.78 | 0.96 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | Podemos | 6.67 | 20.43 | 22.27 | 23.78 | 23.30 | 3.54 | 27.10 | 47.08 | 25.82 | 0.58 |
| People who come to live here from other countries are more likely to commit violent crimes than people who were born here. | Podemos | 3.33 | 8.85 | 17.43 | 31.24 | 36.35 | 2.79 | 12.18 | 67.59 | 20.22 | 0.18 |
| I believe some vaccines cause autism in healthy children. | Podemos | 3.79 | 4.21 | 10.56 | 19.52 | 52.30 | 9.62 | 8.00 | 71.81 | 20.19 | 0.11 |
| 5G technology helps transmit coronavirus. | Podemos | 3.54 | 4.05 | 13.31 | 13.11 | 53.57 | 12.41 | 7.60 | 66.68 | 25.72 | 0.11 |
| I believe HPV vaccination at age 12 promotes sexual activity. | Podemos | 1.78 | 2.85 | 15.07 | 13.87 | 45.41 | 21.02 | 4.63 | 59.28 | 36.09 | 0.08 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | Podemos | 50.38 | 35.55 | 7.01 | 3.67 | 2.36 | 1.03 | 6.02 | 85.93 | 8.04 | 0.07 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | Podemos | 1.89 | 0.00 | 8.59 | 13.67 | 67.52 | 8.33 | 1.89 | 81.19 | 16.92 | 0.02 |
| People who come to live here from other countries are more likely to commit violent crimes than people who were born here. | Vox | 28.75 | 34.71 | 22.87 | 8.37 | 4.98 | 0.33 | 63.46 | 13.35 | 23.19 | 4.75 |
| I believe genetically modified foods are as safe to eat as conventional foods. | Vox | 4.50 | 17.46 | 27.90 | 30.71 | 14.17 | 5.28 | 44.87 | 21.95 | 33.17 | 2.04 |
| I believe that genetically modified food harms the environment. | Vox | 7.52 | 20.31 | 43.65 | 18.46 | 1.35 | 8.71 | 27.83 | 19.81 | 52.36 | 1.40 |
| The new 5G mobile network poses health risks. | Vox | 13.80 | 15.92 | 28.62 | 15.98 | 14.64 | 11.05 | 29.72 | 30.62 | 39.66 | 0.97 |
| I believe you can get the flu from the flu vaccine. | Vox | 8.90 | 24.20 | 19.95 | 21.32 | 17.69 | 7.94 | 33.10 | 39.01 | 27.89 | 0.85 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | Vox | 5.90 | 24.65 | 20.77 | 28.09 | 16.35 | 4.24 | 30.54 | 44.44 | 25.01 | 0.69 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | Vox | 18.27 | 36.25 | 21.61 | 13.03 | 5.46 | 5.38 | 18.49 | 54.52 | 26.99 | 0.34 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | Vox | 0.86 | 10.74 | 8.75 | 26.47 | 51.31 | 1.86 | 11.60 | 77.79 | 10.61 | 0.15 |
| I believe some vaccines cause autism in healthy children. | Vox | 3.22 | 5.30 | 16.26 | 27.39 | 31.13 | 16.71 | 8.52 | 58.51 | 32.96 | 0.15 |
| I believe HPV vaccination at age 12 promotes sexual activity. | Vox | 3.37 | 2.21 | 19.67 | 19.00 | 29.01 | 26.74 | 5.58 | 48.01 | 46.42 | 0.12 |

Table SI4: Misinformed proportions by party: Cs and Other

| item | party | Strongly agree | Agree | Neither agree nor disagree | Disagree | Strongly disagree | Don't know | misinformed | informed | uninformed | ratio |
|--|-------|----------------|-------|----------------------------|----------|-------------------|------------|-------------|----------|------------|-------|
| I believe genetically modified foods are as safe to eat as conventional foods. | Cs | 0.73 | 25.35 | 29.50 | 25.50 | 15.97 | 2.95 | 41.47 | 26.08 | 32.45 | 1.59 |
| I believe that genetically modified food harms the environment. | Cs | 7.82 | 22.86 | 38.99 | 17.88 | 2.45 | 10.01 | 30.68 | 20.33 | 49.00 | 1.51 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | Cs | 15.43 | 27.23 | 16.66 | 21.18 | 18.27 | 1.24 | 42.65 | 39.45 | 17.90 | 1.08 |
| I believe you can get the flu from the flu vaccine. | Cs | 5.05 | 33.01 | 17.74 | 29.43 | 10.62 | 4.16 | 38.06 | 40.05 | 21.90 | 0.95 |
| The new 5G mobile network poses health risks. | Cs | 7.04 | 15.27 | 25.78 | 21.18 | 8.73 | 22.00 | 22.31 | 29.90 | 47.78 | 0.75 |
| People who come to live here from other countries are more likely to commit violent crimes than people who were born here. | Cs | 1.99 | 26.62 | 22.51 | 19.79 | 24.63 | 4.46 | 28.61 | 44.42 | 26.97 | 0.64 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | Cs | 1.15 | 9.51 | 3.90 | 20.98 | 59.90 | 4.57 | 10.66 | 80.87 | 8.46 | 0.13 |
| I believe some vaccines cause autism in healthy children. | Cs | 0.83 | 5.69 | 15.86 | 21.54 | 45.92 | 10.16 | 6.52 | 67.46 | 26.02 | 0.10 |
| 5G technology helps transmit coronavirus. | Cs | 1.37 | 5.79 | 10.32 | 19.59 | 50.36 | 12.58 | 7.16 | 69.94 | 22.90 | 0.10 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | Cs | 30.56 | 42.63 | 18.06 | 5.34 | 0.42 | 3.00 | 5.76 | 73.19 | 21.06 | 0.08 |
| I believe HPV vaccination at age 12 promotes sexual activity. | Cs | 0.00 | 4.28 | 18.64 | 21.58 | 34.05 | 21.44 | 4.28 | 55.64 | 40.08 | 0.08 |
| I believe genetically modified foods are as safe to eat as conventional foods. | other | 2.23 | 16.41 | 21.83 | 32.62 | 19.18 | 7.73 | 51.80 | 18.64 | 29.56 | 2.78 |
| I believe that genetically modified food harms the environment. | other | 16.46 | 19.43 | 33.56 | 15.52 | 4.27 | 10.76 | 35.89 | 19.79 | 44.32 | 1.81 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | other | 16.62 | 29.46 | 13.36 | 23.46 | 13.87 | 3.23 | 46.08 | 37.33 | 16.59 | 1.23 |
| I believe you can get the flu from the flu vaccine. | other | 4.52 | 30.82 | 17.00 | 27.53 | 18.37 | 1.77 | 35.33 | 45.90 | 18.77 | 0.77 |
| The new 5G mobile network poses health risks. | other | 7.01 | 7.30 | 37.21 | 15.46 | 19.14 | 13.89 | 14.31 | 34.59 | 51.09 | 0.41 |
| People who come to live here from other countries are more likely to commit violent crimes than people who were born here. | other | 4.94 | 14.31 | 22.37 | 30.26 | 25.32 | 2.81 | 19.24 | 55.58 | 25.17 | 0.35 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | other | 0.53 | 8.40 | 11.72 | 17.23 | 53.82 | 8.30 | 8.93 | 71.06 | 20.01 | 0.13 |
| I believe some vaccines cause autism in healthy children. | other | 0.35 | 6.03 | 14.62 | 32.86 | 31.62 | 14.52 | 6.39 | 64.48 | 29.13 | 0.10 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | other | 42.71 | 39.66 | 5.86 | 5.47 | 1.73 | 4.57 | 7.19 | 82.38 | 10.43 | 0.09 |
| I believe HPV vaccination at age 12 promotes sexual activity. | other | 0.00 | 2.85 | 22.48 | 21.00 | 27.65 | 26.03 | 2.85 | 48.65 | 48.51 | 0.06 |
| 5G technology helps transmit coronavirus. | other | 0.31 | 3.51 | 12.16 | 15.66 | 49.56 | 18.80 | 3.82 | 65.21 | 15.19 | 30.96 |

Table S15: Misinformed proportions by party: No party

| item | party | Strongly agree | Agree | Neither agree nor disagree | Disagree | Strongly disagree | Don't know | misinformed | informed | uninformed | ratio |
|--|-------|----------------|-------|----------------------------|----------|-------------------|------------|-------------|----------|------------|-------|
| I believe that genetically modified food harms the environment. | none | 11.52 | 30.47 | 19.45 | 6.97 | 4.53 | 27.06 | 41.99 | 11.50 | 46.52 | 3.65 |
| I believe genetically modified foods are as safe to eat as conventional foods. | none | 7.16 | 9.89 | 22.45 | 21.12 | 19.53 | 19.86 | 40.65 | 17.05 | 42.31 | 2.38 |
| The new 5G mobile network poses health risks. | none | 7.45 | 14.94 | 41.36 | 12.07 | 3.98 | 20.19 | 22.39 | 16.06 | 61.55 | 1.39 |
| I believe you can get the flu from the flu vaccine. | none | 5.49 | 28.63 | 26.85 | 20.08 | 8.04 | 10.92 | 34.12 | 28.11 | 37.76 | 1.21 |
| Do you feel that homeopathic medicines are an effective cure for everyday health concerns such as allergies, headaches, fatigue, cold sores and the flu? | none | 9.42 | 26.96 | 19.88 | 17.52 | 16.11 | 10.11 | 36.38 | 33.63 | 29.99 | 1.08 |
| People who come to live here from other countries are more likely to commit violent crimes than people who were born here. | none | 4.89 | 18.37 | 33.92 | 23.08 | 14.62 | 5.12 | 23.26 | 37.70 | 39.04 | 0.62 |
| I believe some vaccines cause autism in healthy children. | none | 2.13 | 9.35 | 15.66 | 34.47 | 17.39 | 21.01 | 11.48 | 51.86 | 36.67 | 0.22 |
| The Earth is getting warmer mostly because of human activity such as burning fossil fuels. | none | 24.44 | 38.98 | 18.35 | 10.79 | 1.45 | 5.99 | 12.24 | 63.42 | 24.34 | 0.19 |
| I believe HPV vaccination at age 12 promotes sexual activity. | none | 2.98 | 2.13 | 22.57 | 25.99 | 22.55 | 23.79 | 5.11 | 48.54 | 46.35 | 0.11 |
| How about serious conditions such as cancer: Do you feel that homeopathic medicines are an effective cure for serious conditions such as cancer? | none | 0.43 | 7.28 | 5.97 | 24.70 | 55.23 | 6.39 | 7.71 | 79.93 | 12.36 | 0.10 |
| 5G technology helps transmit coronavirus. | none | 3.12 | 3.76 | 12.58 | 15.15 | 46.14 | 19.25 | 6.88 | 61.29 | 31.83 | 0.11 |

Table SI6: Science misperceptions across groups (reference party: Vox)

| | Climate Change | | GMO Environment | | GMO Eating | | 5G Health | | 5G Corona | |
|-----------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| (Intercept) | 1.50*** (0.12) | 1.87*** (0.16) | 3.33*** (0.20) | 2.42*** (0.24) | 2.97*** (0.21) | 3.15*** (0.26) | 2.97*** (0.24) | 1.62*** (0.29) | 1.96*** (0.12) | 0.81*** (0.15) |
| PP | -0.37*** (0.09) | -0.41*** (0.09) | -0.09 (0.15) | -0.07 (0.14) | 0.26 (0.15) | 0.25 (0.16) | 0.06 (0.17) | 0.10 (0.16) | -0.01 (0.09) | -0.02 (0.09) |
| Podemos | -0.77*** (0.10) | -0.73*** (0.10) | -0.01 (0.15) | 0.12 (0.15) | 0.14 (0.16) | 0.16 (0.17) | 0.05 (0.19) | 0.31 (0.19) | -0.12 (0.10) | 0.22* (0.09) |
| PSOE | -0.60*** (0.08) | -0.63*** (0.09) | 0.13 (0.14) | 0.28* (0.13) | 0.06 (0.14) | 0.03 (0.15) | -0.17 (0.17) | 0.12 (0.17) | -0.25*** (0.09) | 0.02 (0.08) |
| Ciudadanos | -0.47*** (0.11) | -0.48*** (0.11) | -0.13 (0.17) | -0.02 (0.16) | 0.10 (0.18) | 0.10 (0.18) | -0.15 (0.21) | 0.01 (0.20) | -0.16 (0.11) | -0.01 (0.10) |
| Anti-Expert | | 0.41** (0.13) | | 0.06 (0.20) | | 0.38 (0.22) | | 0.31 (0.25) | | 1.76*** (0.22) |
| Conspiratorial | | -0.79*** (0.13) | | 1.26*** (0.21) | | -0.54* (0.22) | | 1.63*** (0.25) | | 0.08 (0.23) |
| Religiosity | | 0.12 (0.09) | | 0.28* (0.14) | | -0.04 (0.15) | | 0.18 (0.18) | | 0.44** (0.16) |
| Control variables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>N</i> | 1385 | 1382 | 621 | 620 | 668 | 667 | 505 | 504 | 1649 | 1646 |
| <i>R</i> ² | 0.063 | 0.089 | 0.025 | 0.093 | 0.051 | 0.061 | 0.075 | 0.174 | 0.030 | 0.162 |

* $p < .05$, ** $p < .01$, *** $p < .005$ (two-sided). All models include age, gender, university education, and political knowledge as controls, and employ survey weights. Cell entries are OLS regression coefficients with standard errors in parentheses.

Table SI7: Health misperceptions across groups (reference party: Vox)

| | Vax: Autism | | Vax: HPV | | VAX: Flu | | Homeopathy: Flu | | Homeopathy: Cancer | |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| (Intercept) | 2.76*** (0.21) | 1.14*** (0.24) | 2.46*** (0.22) | 1.32*** (0.26) | 2.98*** (0.22) | 1.75*** (0.28) | 2.72*** (0.27) | 1.37*** (0.33) | 2.43*** (0.22) | 1.16*** (0.27) |
| PP | -0.16 (0.15) | -0.13 (0.14) | 0.18 (0.16) | 0.20 (0.15) | -0.04 (0.16) | -0.03 (0.16) | 0.22 (0.18) | 0.24 (0.17) | 0.02 (0.14) | 0.07 (0.14) |
| Podemos | -0.38* (0.16) | -0.08 (0.15) | -0.30 (0.17) | 0.03 (0.17) | -0.06 (0.17) | 0.12 (0.17) | -0.10 (0.20) | 0.23 (0.20) | -0.43** (0.16) | -0.12 (0.16) |
| PSOE | -0.10 (0.14) | 0.15 (0.13) | -0.01 (0.14) | 0.29* (0.14) | -0.15 (0.15) | 0.06 (0.15) | -0.18 (0.17) | 0.16 (0.17) | -0.21 (0.14) | 0.08 (0.13) |
| Ciudadanos | -0.27 (0.17) | -0.12 (0.16) | -0.15 (0.18) | -0.04 (0.17) | 0.07 (0.19) | 0.19 (0.18) | 0.23 (0.22) | 0.46* (0.21) | -0.14 (0.18) | 0.09 (0.17) |
| Anti-Expert | | 1.62*** (0.20) | | 0.91*** (0.22) | | 0.29 (0.24) | | 0.79** (0.27) | | 1.11*** (0.22) |
| Conspiratorial | | 0.95*** (0.21) | | 0.58* (0.22) | | 1.36*** (0.23) | | 0.92*** (0.27) | | 0.62*** (0.22) |
| Religiosity | | 0.51*** (0.14) | | 0.88*** (0.15) | | 0.38* (0.15) | | 0.85*** (0.18) | | 0.63*** (0.14) |
| Control variables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>N</i> | 636 | 636 | 583 | 582 | 707 | 707 | 561 | 560 | 559 | 558 |
| <i>R</i> ² | 0.050 | 0.227 | 0.048 | 0.159 | 0.050 | 0.117 | 0.040 | 0.134 | 0.063 | 0.181 |

* $p < .05$, ** $p < .01$, *** $p < .005$ (two-sided). All models include age, gender, university education, and political knowledge as controls, and employ survey weights. Cell entries are OLS regression coefficients with standard errors in parentheses.

Table SI8: Science misperceptions across groups (reference party: Podemos)

| | Climate Change | | GMO Environment | | GMO Eating | | 5G Health | | 5G Corona | |
|-----------------------|-------------------|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| (Intercept) | 0.73*** (0.11) | 1.14*** (0.14) | 3.31*** (0.18) | 2.54*** (0.22) | 3.11*** (0.19) | 3.32*** (0.24) | 3.02*** (0.24) | 1.93*** (0.26) | 1.84*** (0.12) | 1.04*** (0.13) |
| PP | 0.40*** (0.08) | 0.32*** (0.09) | -0.07 (0.13) | -0.19 (0.14) | 0.12 (0.14) | 0.09 (0.15) | 0.01 (0.16) | -0.20 (0.16) | 0.11 (0.08) | -0.25*** (0.08) |
| PSOE | 0.17* (0.08) | 0.09 (0.08) | 0.14 (0.12) | 0.16 (0.12) | -0.08 (0.12) | -0.13 (0.13) | -0.22 (0.15) | -0.19 (0.15) | -0.14 (0.08) | -0.20*** (0.07) |
| Vox | 0.77*** (0.10) | 0.73*** (0.10) | 0.01 (0.15) | -0.12 (0.15) | -0.14 (0.16) | -0.16 (0.17) | -0.05 (0.19) | -0.31 (0.19) | 0.12 (0.10) | -0.22* (0.09) |
| Ciudadanos | 0.30** (0.10) | 0.25* (0.10) | -0.12 (0.15) | -0.14 (0.15) | -0.04 (0.16) | -0.07 (0.16) | -0.20 (0.20) | -0.30 (0.19) | -0.04 (0.10) | -0.24* (0.09) |
| Anti-Expert | | 0.41** (0.13) | | 0.06 (0.20) | | 0.38 (0.22) | | 0.31 (0.25) | | 1.76*** (0.13) |
| Conspiratorial | | -0.79*** (0.13) | | 1.26*** (0.21) | | -0.54* (0.22) | | 1.63*** (0.25) | | 0.08 (0.13) |
| Religiosity | | 0.12 (0.09) | | 0.28* (0.14) | | -0.04 (0.15) | | 0.18 (0.18) | | 0.44*** (0.09) |
| Control variables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>N</i> | 1385 | 1382 | 621 | 620 | 668 | 667 | 505 | 504 | 1649 | 1646 |
| <i>R</i> ² | 0.063 | 0.089 | 0.025 | 0.093 | 0.051 | 0.061 | 0.075 | 0.174 | 0.030 | 0.162 |

* $p < .05$, ** $p < .01$, *** $p < .005$ (two-sided). All models include age, gender, university education, and political knowledge as controls, and employ survey weights. Cell entries are OLS regression coefficients with standard errors in parentheses.

Table SI9: Health misperceptions across groups (reference party: Podemos)

| | Vax: Autism | | Vax: HPV | | VAX: Flu | | Homeopathy: Flu | | Homeopathy: Cancer | |
|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|-------------------|
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) |
| (Intercept) | 2.38*** (0.19) | 1.06*** (0.22) | 2.16*** (0.20) | 1.35*** (0.24) | 2.91*** (0.21) | 1.87*** (0.25) | 2.62*** (0.26) | 1.60*** (0.31) | 2.00*** (0.21) | 1.05*** (0.25) |
| PP | 0.22 (0.15) | -0.05 (0.14) | 0.48** (0.16) | 0.18 (0.15) | 0.03 (0.16) | -0.14 (0.16) | 0.32 (0.18) | 0.01 (0.18) | 0.45** (0.15) | 0.19 (0.15) |
| PSOE | 0.28* (0.13) | 0.24* (0.12) | 0.29* (0.14) | 0.26* (0.13) | -0.09 (0.14) | -0.06 (0.14) | -0.08 (0.17) | -0.07 (0.16) | 0.22 (0.14) | 0.20 (0.13) |
| Vox | 0.38* (0.16) | 0.08 (0.15) | 0.30 (0.17) | -0.03 (0.17) | 0.06 (0.17) | -0.12 (0.17) | 0.10 (0.20) | -0.23 (0.20) | 0.43** (0.16) | 0.12 (0.16) |
| Ciudadanos | 0.11 (0.16) | -0.03 (0.15) | 0.15 (0.17) | -0.07 (0.17) | 0.13 (0.18) | 0.08 (0.18) | 0.33 (0.22) | 0.23 (0.21) | 0.29 (0.18) | 0.20 (0.17) |
| Anti-Expert | | 1.62*** (0.20) | | 0.91*** (0.22) | | 0.29 (0.24) | | 0.79** (0.27) | | 1.11*** (0.22) |
| Conspiratorial | | 0.95*** (0.21) | | 0.58* (0.22) | | 1.36*** (0.23) | | 0.92*** (0.27) | | 0.62** (0.22) |
| Religiosity | | 0.51*** (0.14) | | 0.88*** (0.15) | | 0.38* (0.15) | | 0.85*** (0.18) | | 0.63*** (0.14) |
| Control variables | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| <i>N</i> | 636 | 636 | 583 | 582 | 707 | 707 | 561 | 560 | 559 | 558 |
| <i>R</i> ² | 0.050 | 0.227 | 0.048 | 0.159 | 0.050 | 0.117 | 0.040 | 0.134 | 0.063 | 0.181 |

* $p < .05$, ** $p < .01$, *** $p < .005$ (two-sided). All models include age, gender, university education, and political knowledge as controls, and employ survey weights. Cell entries are OLS regression coefficients with standard errors in parentheses.