S4 Table.

	Subjective understanding		Objective understanding		Perceived magnitude of risk		Perceived accuracy of information		Backlash against information		Risk acceptance	
Men=Ref	1		1		1		1		1		1	
Women	0.85	*	0.64	**	1.08		0.91		0.74		1.04	
	(0.74–0.98)		(0.55–0.73)		(0.92–1.27)		(0.77–1.07)		(0.53–1.02)		(0.91–1.19)	
20s=Ref	1		1		1		1		1		1	
30s	1		1.38	**	0.82		0.91		0.72		1.18	
	(0.81–1.23)		(1.12–1.70)		(0.65–1.03)		(0.72–1.16)		(0.43–1.20)		(0.97–1.44)	
40s	0.87		1.49	**	0.73	**	0.92		1.11		1.22	*
	(0.71–1.08)		(1.20–1.83)		(0.58–0.92)		(0.73–1.17)		(0.69–1.81)		(1.00–1.49)	
50s	1.05		1.68	**	0.66	**	0.83		1.38		1.49	**
	(0.83–1.31)		(1.34–2.11)		(0.51–0.85)		(0.63–1.08)		(0.83–2.29)		(1.20–1.85)	
60s	0.94		1.40	*	0.64	**	0.96		1.23		1.54	**
	(0.73–1.22)		(1.08–1.81)		(0.48–0.86)		(0.72–1.29)		(0.69–2.20)		(1.21–1.96)	
Company employees etc=Ref	1		1		1		1		1		1	
Self-employed etc	1.04		0.91		1.37	*	0.73		1.62	*	0.82	
	(0.80–1.34)		(0.71–1.17)		(1.05–1.80)		(0.53–1.01)		(1.01–2.59)		(0.64–1.05)	
Other	0.99		1.04		0.86		0.97		0.87		0.92	
	(0.85–1.15)		(0.90–1.21)		(0.73–1.02)		(0.82–1.16)		(0.61–1.23)		(0.80–1.06)	
Absence of spouse=Ref	1		1		1		1		1		1	
Presence of spouse	1.12		1.01		1.14		0.95		1.02		1.07	
	(0.95–1.32)		(0.86–1.19)		(0.94–1.37)		(0.79–1.16)		(0.71–1.48)		(0.92–1.25)	
Absence of children=Ref	1		1		1		1		1		1	
Presence of children	1.11		0.79	**	1.20		1.16		0.83		0.85	*
	(0.93–1.32)		(0.67–0.94)		(0.99–1.46)		(0.94–1.41)		(0.56–1.23)		(0.72–1.00)	
Absence of grandchildren=Ref	1		1		1		1		1		1	
Presence of grandchildren	0.86		1		1.21		1.14		1.29		0.84	
	(0.66–1.11)		(0.77–1.29)		(0.91–1.62)		(0.85–1.52)		(0.73–2.28)		(0.66–1.07)	
Junior or high-school graduate=Ref	1		1		1		1		1		1	
University etc. graduate	1.20	*	1.07		1.16		1.27	*	0.87		1.10	
	(1.02–1.42)		(0.91–1.25)		(0.96–1.39)		(1.05–1.54)		(0.61–1.25)		(0.95–1.28)	
Humanities course=Ref	1		1		1		1		1		1	
Neither	0.74	**	1.06		0.77	*	0.82		0.73		0.80	*
	(0.61–0.91)		(0.88–1.27)		(0.62–0.96)		(0.65–1.03)		(0.47–1.14)		(0.67–0.95)	
Science course	1.37	**	1.28	**	0.96		1.10		0.91		1.15	
	(1.18–1.58)		(1.10–1.47)		(0.81–1.14)		(0.94–1.31)		(0.65–1.28)		(1.00–1.32)	
Do not smoke=Ref	1		1		1		1		1		1	
Do smoke	1.11		0.81	**	1.32	**	1.05		0.83		1.34	**
	(0.95–1.30)		(0.69–0.95)		(1.11–1.57)		(0.87–1.26)		(0.58–1.20)		(1.16–1.56)	
TV and radio: do not trust=Ref	1		1		1		1		1		1	
TV and radio: trust	0.94		0.85		0.90		1.13		0.69		1.08	
	(0.79–1.11)		(0.72–1.01)		(0.74–1.09)		(0.94–1.36)		(0.43–1.11)		(0.92–1.27)	
Newspapers: do not trust=Ref	1		1		1		1		1		1	
Newspapers: trust	1.08		1.14		1.02		1.19		0.96		1.06	
	(0.92–1.27)		(0.96–1.34)		(0.85–1.24)		(0.99–1.42)		(0.60–1.56)		(0.91–1.24)	
Central government: do not trust=Ref	1		1		1		1		1		1	
Central government: trust	1.53	**	1.49	**	0.69	**	2	**	0.36	**	2.18	**
	(1.30–1.81)		(1.25–1.76)		(0.56–0.85)		(1.68–2.39)		(0.18–0.69)		(1.84–2.59)	
Direct information from researchers: do not	1		1		1		1		1		1	

Direct information from researchers: trust	1.39** (1.17–1.65)	1.26* (1.05–1.50)	0.98 (0.80–1.20)	1.13 (0.93–1.37)	1.28 (0.83–1.98)	0.96 (0.81–1.14)
Direct information from friends: do not trust=Ref	1	1	1	1	1	1
Direct information from friends: trust	0.94 (0.75–1.18)	0.79* (0.62–1.00)	1.54** (1.21–1.96)	0.83 (0.64–1.08)	2.91** (1.86–4.54)	0.78* (0.63–0.98)
On-line information from researchers: do not trust=Ref	1	1	1	1	1	1
On-line information from researchers: trust	1.30** (1.09–1.56)	1.26* (1.05–1.51)	1.07 (0.87–1.32)	1.13 (0.93–1.38)	1.47 (0.92–2.34)	1.28** (1.08–1.53)
On-line information from others: do not trust=Ref	1	1	1	1	1	1
On-line information from others: trust	1.26* (1.00–1.59)	0.95 (0.74–1.20)	1.72** (1.34–2.21)	1.01 (0.77–1.31)	2.24** (1.39–3.62)	0.69** (0.55–0.87)
Trust any of above=Ref	1	1	1	1	1	1
Do not trust any of above	0.72** (0.60–0.88)	1.21 (1.00–1.46)	0.98 (0.79–1.22)	0.52** (0.41–0.66)	2.81** (1.76–4.46)	0.58** (0.48–0.70)
A1. Radiation dose only=Ref	1	1	1	1	1	1
A2. Food standard dose	2.67** (1.83–3.91)	1.07 (0.77–1.49)	1.13 (0.75–1.71)	1.49* (1.00–2.22)	0.74 (0.32–1.74)	1.04 (0.76–1.43)
A3. Results for 100 mSv	3.10** (2.12–4.52)	0.89 (0.64–1.26)	1.06 (0.70–1.61)	1.13 (0.75–1.70)	0.94 (0.41–2.12)	1.22 (0.89–1.68)
A4. 1960s dose	2.70** (1.85–3.94)	0.76 (0.54–1.06)	1.89** (1.29–2.77)	1.49* (1.00–2.21)	1 (0.46–2.17)	0.94 (0.68–1.30)
A5. Doses in other prefectures	2.52** (1.72–3.69)	0.82 (0.58–1.15)	1.83** (1.24–2.70)	1.46 (0.98–2.17)	0.72 (0.30–1.74)	1.03 (0.75–1.43)
A6. Natural radiation dose	2.35** (1.60–3.44)	1.10 (0.79–1.53)	1.54* (1.04–2.29)	1.30 (0.87–1.94)	1.04 (0.47–2.28)	1.30 (0.95–1.78)
A8. Airplane dose	2.97** (2.03–4.33)	1.04 (0.75–1.45)	1.30 (0.87–1.94)	1.57* (1.06–2.32)	1.13 (0.52–2.45)	1.26 (0.91–1.73)
A9. Arsenic risk	2.91** (1.99–4.25)	0.89 (0.64–1.25)	1.40 (0.94–2.10)	1.27 (0.85–1.90)	1.41 (0.67–2.96)	1.23 (0.89–1.69)
A10. Smoking risk	3.48** (2.39–5.07)	1.06 (0.76–1.48)	1.46 (0.98–2.17)	1.51* (1.02–2.24)	1.19 (0.54–2.61)	1.00 (0.73–1.38)
B1. Cancer risk from radiation	2.61** (1.78–3.82)	1.12 (0.80–1.56)	1.30 (0.87–1.94)	1.21 (0.81–1.81)	0.91 (0.40–2.05)	1.36 (0.99–1.86)
B7. Cancer risk from radiation and total cancer mortality rate	2.45** (1.67–3.58)	1.33 (0.95–1.84)	1.44 (0.96–2.14)	1.23 (0.82–1.84)	1.31 (0.61–2.81)	1.15 (0.84–1.58)
B9. Cancer risk from radiation and arsenic	2.96** (2.03–4.33)	1.17 (0.84–1.63)	1.85** (1.26–2.73)	1.16 (0.77–1.75)	1.25 (0.58–2.69)	1.04 (0.75–1.43)
B10. Cancer risk from radiation and smoking risk	3.27** (2.24–4.77)	1.58** (1.14–2.20)	1.16 (0.77–1.76)	1.33 (0.89–1.99)	0.89 (0.39–2.04)	1.20 (0.87–1.65)
C1. LLE from radiation	2.25** (1.53–3.31)	1.08 (0.78–1.51)	1.46 (0.98–2.18)	1.37 (0.92–2.05)	1.00 (0.45–2.18)	1.07 (0.78–1.48)
C10. LLE from radiation and smoking risk	2.79** (1.91–4.08)	0.84 (0.60–1.18)	1.56* (1.05–2.32)	1.26 (0.84–1.88)	1.51 (0.72–3.17)	1.12 (0.82–1.54)