

S3 Table.

	Subjective understanding	Objective understanding	Perceived magnitude of risk	Perceived accuracy of information	Backlash against information	Risk acceptance
Nakadori=Ref	1	1	1	1	1	1
Hamadori	1.09 (0.81–1.46)	1.06 (0.79–1.42)	1.03 (0.76–1.40)	1.16 (0.84–1.60)	1.16 (0.69–1.96)	1.12 (0.84–1.49)
Aizu	0.91 (0.64–1.30)	1.19 (0.85–1.66)	0.92 (0.63–1.32)	1.22 (0.85–1.76)	0.93 (0.47–1.84)	0.94 (0.67–1.30)
Not evacuated=Ref	1	1	1	1	1	1
Evacuated	1.02 (0.74–1.41)	0.73 (0.53–1.00)	2.27 (1.66–3.10)	0.75 (0.53–1.08)	1.86 (1.12–3.08)	0.71 (0.52–0.96)
Men=Ref	1	1	1	1	1	1
Women	0.86 (0.65–1.13)	0.54 (0.41–0.70)	0.89 (0.67–1.18)	1.03 (0.77–1.40)	0.46 (0.27–0.79)	1.26 (0.97–1.64)
20s=Ref	1	1	1	1	1	1
30s	1.54 (0.97–2.46)	1.34 (0.86–2.08)	0.72 (0.45–1.17)	1.65 (0.99–2.74)	0.37 (0.17–0.82)	1.38 (0.90–2.12)
40s	1.42 (0.90–2.24)	1.27 (0.83–1.96)	0.89 (0.56–1.41)	1.62 (0.98–2.67)	0.62 (0.30–1.28)	1.12 (0.74–1.70)
50s	1.64 (1.01–2.66)	1.01 (0.64–1.60)	0.96 (0.59–1.55)	1.38 (0.82–2.35)	0.45 (0.20–1.00)	1.18 (0.76–1.83)
60s	0.99 (0.57–1.75)	0.93 (0.55–1.58)	1.12 (0.64–1.96)	1.19 (0.65–2.18)	0.45 (0.18–1.16)	1.18 (0.70–1.97)
Company employees etc.=Ref	1	1	1	1	1	1
Self-employed etc.	0.90 (0.59–1.36)	1.26 (0.84–1.88)	0.90 (0.58–1.38)	0.93 (0.59–1.46)	1.14 (0.55–2.34)	1.44 (0.95–2.18)
Other	0.93 (0.71–1.23)	1.17 (0.90–1.53)	0.74 (0.55–0.98)	0.71 (0.53–0.96)	1.04 (0.62–1.74)	0.85 (0.66–1.11)
Absence of spouse=Ref	1	1	1	1	1	1
Presence of spouse	1.12 (0.80–1.56)	1.02 (0.74–1.41)	1.23 (0.87–1.72)	0.99 (0.69–1.43)	1.01 (0.55–1.86)	1.06 (0.77–1.45)
Absence of children=Ref	1	1	1	1	1	1
Presence of children	0.85 (0.61–1.19)	1.03 (0.75–1.43)	0.97 (0.69–1.36)	1.11 (0.77–1.60)	1.04 (0.56–1.92)	0.92 (0.67–1.26)
Absence of grandchildren=Ref	1	1	1	1	1	1
Presence of grandchildren	1.92 (1.26–2.91)	0.91 (0.60–1.39)	1.22 (0.80–1.87)	1.38 (0.88–2.18)	1.17 (0.53–2.56)	1.07 (0.71–1.61)
Junior or high-school graduate=Ref	1	1	1	1	1	1
University etc. graduate etc.	1.22 (0.95–1.57)	1.25 (0.98–1.60)	0.94 (0.73–1.21)	1.14 (0.87–1.50)	1.01 (0.64–1.60)	1.18 (0.93–1.50)
Humanities course=Ref	1	1	1	1	1	1
Neither	0.61 (0.43–0.85)	0.90 (0.66–1.24)	1.05 (0.76–1.45)	0.61 (0.42–0.88)	1.35 (0.76–2.40)	0.92 (0.68–1.24)
Science course	1.14 (0.88–1.49)	1.16 (0.89–1.50)	0.83 (0.63–1.11)	0.88 (0.66–1.17)	1.26 (0.77–2.07)	1.05 (0.81–1.35)
Do not smoke=Ref	1	1	1	1	1	1
Do smoke	1.10 (0.84–1.46)	0.93 (0.71–1.22)	1.26 (0.95–1.67)	0.91 (0.67–1.23)	1.11 (0.68–1.80)	1.11 (0.85–1.45)

TV and radio: do not trust=Ref	1	1	1	1	1	1
TV and radio: trust	0.85 (0.62–1.19)	1.12 (0.81–1.55)	1.04 (0.72–1.49)	1.20 (0.86–1.68)	0.79 (0.38–1.66)	1.07 (0.78–1.49)
Newspapers: do not trust=Ref	1	1	1	1	1	1
Newspapers: trust	1 (0.73–1.37)	0.93 (0.68–1.27)	1.38 (0.98–1.95)	0.95 (0.69–1.30)	0.46 (0.22–0.98)	* 1.09 (0.81–1.48)
Central government: do not trust=Ref	1	1	1	1	1	1
Central government: trust	1.60 (1.16–2.22)	** 1.82 (1.32–2.52)	** 0.48 (0.31–0.72)	** 2.24 (1.61–3.10)	** 0.45 (0.16–1.23)	1.84 (1.30–2.61)
Direct information from researchers: do not trust=Ref	1	1	1	1	1	1
Direct information from researchers: trust	1.28 (0.93–1.77)	1.25 (0.91–1.72)	0.74 (0.51–1.07)	1.39 (1.00–1.93)	* 0.97 (0.47–1.99)	1.27 (0.92–1.77)
Direct information from friends: do not trust=Ref	1	1	1	1	1	1
Direct information from friends: trust	0.98 (0.63–1.52)	0.63 (0.40–1.00)	1.54 (0.96–2.45)	0.86 (0.54–1.35)	1.71 (0.77–3.83)	0.85 (0.55–1.31)
On-line information from researchers: do not trust=Ref	1	1	1	1	1	1
On-line information from researchers: trust	1.21 (0.87–1.68)	1.21 (0.87–1.68)	0.98 (0.67–1.42)	0.88 (0.62–1.24)	0.86 (0.42–1.75)	0.96 (0.69–1.34)
On-line information from others: do not trust=Ref	1	1	1	1	1	1
On-line information from others: trust	0.72 (0.44–1.16)	0.91 (0.57–1.47)	2.41 (1.48–3.91)	** 0.52 (0.30–0.89)	* 2.16 (0.96–4.83)	0.64 (0.41–1.02)
Trust any of above=Ref	1	1	1	1	1	1
Do not trust any of above	0.62 (0.43–0.90)	* 1.09 (0.76–1.55)	1.89 (1.28–2.78)	** 0.30 (0.20–0.46)	** 1.74 (0.86–3.51)	0.47 (0.33–0.67)
A1. Radiation dose only=Ref	1	1	1	1	1	1
A2. Food standard dose	1.56 (1.11–2.19)	* 0.74 (0.54–1.02)	0.94 (0.68–1.30)	1.12 (0.79–1.59)	0.80 (0.44–1.43)	0.89 (0.66–1.21)
A6. Natural radiation dose	1.84 (1.31–2.58)	** 0.82 (0.60–1.12)	0.87 (0.62–1.20)	1 (0.70–1.42)	1.02 (0.59–1.77)	1.07 (0.79–1.46)
A10. Smoking risk	2.44 (1.75–3.42)	** 0.99 (0.73–1.35)	0.70 (0.50–0.98)	* 1.02 (0.72–1.46)	0.63 (0.34–1.17)	1.35 (0.99–1.84)