

# SUPPLEMENTARY INFORMATION

MANUSCRIPT TITLE: HOW TO PRESENT ECONOMIC EVALUATIONS TO NON-TECHNICAL AUDIENCES? RANDOMIZED TRIALS WITH PROFESSIONALS AND THE GENERAL POPULATION.

AUTHORS: RENATA LINERTOVÁ, ARÁNZAZU HERNÁNDEZ-YUMAR, CARMEN FUENTES-GUIRADO, BENJAMÍN RODRÍGUEZ-DÍAZ, CRISTINA VALCÁRCEL-NAZCO, IÑAKI IMAZ, MONTSERRAT CARMONA-RODRÍGUEZ, LIDIA GARCÍA-PÉREZ

JOURNAL: ARCHIVES OF PUBLIC HEALTH

## S1. INFLUENCE OF PROFESSIONAL BACKGROUND / PROFILE ON COMPREHENSION.

### S1A. GENERAL POPULATION

#### ➤ Objective comprehension by profession profile

No. of questions correctly responded (out of 3 questions)	Healthcare (N = 42) N (%)	Research (N = 18) N (%)	Economics (N = 36) N (%)	None (N = 235) N (%)	p-value
Three (N (%))	33 (78.57)	13 (72.22)	26 (72.22)	150 (63.83)	0.139
Two (N (%))	7 (16.67)	5 (27.78)	8 (22.22)	51 (21.70)	
One (N (%))	2 (4.76)	0	0	24 (10.21)	
None (N (%))	0	0	2 (5.56)	10 (4.26)	

#### ➤ Subjective comprehension by professional background

	Healthcare (N = 42) N (%)	Research (N = 18) N (%)	Economics (N = 36) N (%)	None (N = 235) N (%)	p-value
Not at all (just guessing)	0	0	0	2 (0.85)	0.099
Not very sure	0	0	1 (2.78)	10 (4.26)	
More or less	8 (19.05)	1 (5.56)	7 (19.44)	51 (21.70)	
Quite sure	11 (26.19)	12 (66.67)	19 (52.78)	91 (38.72)	
Completely sure	23 (54.76)	5 (27.78)	9 (25.00)	81 (34.47)	

## S1B. SPECIALIZED POPULATION

### ➤ Objective comprehension by professional profile

No. of questions correctly responded (out of 3 questions)	Clinician (N = 52) N (%)	Non-clinical manager (N = 17) N (%)	Clinical manager (N = 13) N (%)	Methodologist in HTA (N = 23) N (%)	p-value
Three (N (%))	36 (69.23)	11 (64.71)	9 (69.23)	16 (69.57)	0.896
Two (N (%))	15 (28.85)	3 (17.65)	4 (30.77)	7 (30.43)	
One (N (%))	1 (1.92)	3 (17.65)	0	0	
None (N (%))	0	0	0	0	

### ➤ Subjective comprehension by professional profile

	Clinician (N = 52) N (%)	Non-clinical manager (N = 17) N (%)	Clinical manager (N = 13) N (%)	Methodologist in HTA (N = 23) N (%)	p-value
Not at all (just guessing)	0	0	0	0	0.109
Not very sure	3 (5.77)	1 (5.88)	0	0	
More or less	11 (21.15)	5 (29.41)	6 (46.15)	2 (8.70)	
Quite sure	29 (55.77)	11 (64.71)	4 (30.77)	16 (69.57)	
Completely sure	9 (17.31)	0	3 (23.08)	5 (21.74)	

## S2. ADDITIONAL QUESTIONS ON USEFULNESS AND ACCEPTABILITY

### S2A. PARTICIPANT-REPORTED SATISFACTION AND ACCEPTABILITY. GENERAL POPULATION

- A1 - I am satisfied with the appearance of the format
- A2 - I would understand better the information with more numeric data
- A3 – I would understand better the information with more explications
- A4 – I think that the format is appropriate for this type of information
- A5 – It was easy to remember the information to answer the questions
- A6 – I think that the information is understandable for someone with no knowledge of this topic
- A7 – I think that I could explain to somebody the presented information
- A8 – It is not possible to understand the topic with so little information

		Infographic (N = 120) N (%)	Plain text (N = 114) N (%)	Video- abstract (N = 90) N (%)	p-value	post-hoc
A1	Not at all	0	2 (1.75)	1 (1.11)	<b>0.011</b>	<b>0.005</b> <b>(infographic vs plain text);</b> <b>0.026 (video vs plain text)</b>
	Rather not	4 (3.33)	18 (15.79)	3 (3.33)		
	Neutral	18 (15.00)	18 (15.79)	9 (10.00)		
	Rather yes	48 (40.00)	41 (35.96)	45 (50.00)		
	Agree	50 (41.67)	35 (30.70)	32 (35.56)		
A2	Not at all	21 (17.50)	16 (14.04)	11 (12.22)	0.309	-
	Rather not	39 (32.50)	31 (27.19)	26 (28.89)		
	Neutral	34 (28.33)	34 (29.82)	37 (41.11)		
	Rather yes	22 (18.33)	27 (23.68)	11 (12.22)		
	Agree	4 (3.33)	6 (5.26)	5 (5.56)		
A3	Not at all	13 (10.83)	14 (12.28)	5 (5.56)	0.711	-
	Rather not	28 (23.33)	19 (16.67)	26 (28.89)		
	Neutral	38 (31.67)	39 (34.21)	34 (37.78)		
	Rather yes	31 (25.83)	31 (27.19)	16 (17.78)		
	Agree	10 (8.33)	11 (9.65)	9 (10.00)		
A4	Not at all	1 (0.83)	4 (3.51)	0	<b>0.010</b>	<b>0.043</b> <b>(infographic vs plain text);</b> <b>0.003 (video vs plain text)</b>
	Rather not	8 (6.67)	16 (14.04)	1 (1.11)		
	Neutral	25 (20.83)	23 (20.18)	12 (13.33)		
	Rather yes	42 (35.00)	39 (34.21)	46 (51.11)		
	Agree	44 (36.67)	32 (28.07)	31 (34.44)		
A5	Not at all	1 (0.83)	3 (2.63)	1 (1.11)	0.830	-
	Rather not	8 (6.67)	12 (10.53)	5 (5.56)		

	Neutral	20 (16.67)	15 (13.16)	17 (18.89)		
	Rather yes	46 (38.33)	36 (31.58)	37 (41.11)		
	Agree	45 (37.50)	48 (42.11)	30 (33.33)		
A6	Not at all	3 (2.50)	2 (1.75)	0	0.893	-
	Rather not	8 (6.67)	10 (8.77)	4 (4.44)		
	Neutral	20 (16.67)	19 (16.67)	15 (16.67)		
	Rather yes	40 (33.33)	40 (35.09)	40 (44.44)		
	Agree	49 (40.83)	43 (37.72)	31 (34.44)		
A7	Not at all	4 (3.33)	3 (2.63)	2 (2.22)	0.902	-
	Rather not	9 (7.50)	13 (11.40)	8 (8.89)		
	Neutral	26 (21.67)	21 (18.42)	22 (24.44)		
	Rather yes	51 (42.50)	42 (36.84)	33 (36.67)		
	Agree	30 (25.00)	35 (30.70)	25 (27.78)		
A8	Not at all	25 (20.83)	36 (31.58)	22 (24.44)	0.179	-
	Rather not	44 (36.67)	38 (33.33)	27 (30.00)		
	Neutral	28 (23.33)	22 (19.30)	20 (22.22)		
	Rather yes	20 (16.67)	13 (11.40)	17 (18.89)		
	Agree	3 (2.50)	5 (4.39)	4 (4.44)		

Bold means statistically significant ( $p$ -values $\leq$ 0.05).

**S2B. PARTICIPANT-REPORTED SATISFACTION AND ACCEPTABILITY. SPECIALIZED POPULATION**

- B1 - I am satisfied with the appearance of the format
- B2 - I would understand better the information with more numeric data
- B3 – I would understand better the information with more explications
- B4 – I think that less data/explications would be enough to understand the conclusions of the study
- B5 – I think that the format is appropriate for this type of information
- B6 – It was easy to remember the information to answer the questions
- B7 – I think that the information is understandable for someone with no knowledge of economic evaluations
- B8 – I think that this information is sufficient for decision making

		Policy brief (N = 46) N (%)	Executive summary (N = 54) N (%)	p-value
B1	Not at all	0	1 (1.85)	0.088
	Rather not	2 (4.35)	3 (5.56)	
	Neutral	5 (10.87)	12 (22.22)	
	Rather yes	23 (50.00)	25 (46.30)	
	Agree	16 (34.78)	13 (24.07)	
B2	Not at all	9 (19.57)	11 (20.37)	0.934
	Rather not	17 (36.96)	21 (38.89)	
	Neutral	13 (28.26)	12 (22.22)	
	Rather yes	6 (13.04)	9 (16.67)	
	Agree	1 (2.17)	1 (1.85)	
B3	Not at all	4 (8.70)	2 (3.70)	0.057
	Rather not	12 (26.09)	14 (25.93)	
	Neutral	17 (36.96)	7 (12.96)	
	Rather yes	8 (17.39)	24 (44.44)	
	Agree	5 (10.87)	7 (12.96)	
B4	Not at all	12 (36.09)	14 (25.93)	0.812
	Rather not	23 (50.00)	25 (46.30)	
	Neutral	6 (13.04)	9 (16.67)	
	Rather yes	4 (8.70)	5 (9.26)	
	Agree	1 (2.17)	1 (1.85)	
B5	Not at all	0	2 (3.70)	<b>0.010</b>
	Rather not	1 (2.17)	7 (12.96)	
	Neutral	4 (8.70)	12 (22.22)	
	Rather yes	27 (58.70)	21 (38.89)	

	Agree	14 (30.43)	12 (22.22)	
B6	Not at all	0	1 (1.85)	<b>0.030</b>
	Rather not	2 (4.35)	8 (14.81)	
	Neutral	4 (8.70)	8 (14.81)	
	Rather yes	28 (60.87)	28 (51.85)	
	Agree	12 (26.09)	9 (16.67)	
B7	Not at all	5 (10.87)	8 (14.81)	<b>0.005</b>
	Rather not	8 (17.39)	17 (31.48)	
	Neutral	5 (10.87)	13 (24.07)	
	Rather yes	22 (47.83)	15 (27.78)	
	Agree	6 (13.04)	1 (1.85)	
B8	Not at all	1 (2.17)	4 (7.41)	0.347
	Rather not	12 (26.09)	17 (31.48)	
	Neutral	13 (28.26)	11 (20.37)	
	Rather yes	13 (28.26)	16 (29.63)	
	Agree	7 (15.22)	6 (11.11)	

Bold means statistically significant (p-values≤0.05).